Deutsche Börse Group's T7

Enhanced Trading Interface

Derivatives Message Reference

Release 14.1

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Derivatives Message Reference

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Contents

1 List of Abbreviations

Please find a list of all the abbreviations used in the document. The first time an abbreviation is introduced in the document it is written in brackets after the phrase.

BOC	Book or Cancel Order
CAO	Closing Auction Only Order
CLIP – Eurex Improve	Client Liquidity Improvement Process
ETI	Enhanced Trading Interface
HF	High-frequency (session)
IOC	Immediate or Cancel Order
LF	Low-frequency (session)
OCO	One Cancels the Other Order
PS (GW)	Partition specific (gateway)
SRQS – Eurex EnLight	Selective Request for Quote Service
TES	T7 Entry Service
UDF	User-defined field that is not part of the official FIX Specification

2 Introduction

The Deutsche Börse Group's T7 is the industry-leading, multi-asset trading platform of the Deutsche Börse Group, its affiliates and partners.

The system has best-in-class performance and is scalable to support markets of any size. It can be customized to support different types of markets.

The Enhanced Trading Interface (ETI) is the high performance interface designed for participants who require the highest throughput and the lowest latency for their transactions. It supports both, cash and derivatives markets.

The ETI Manual provides the description of the main concepts for all supported market types (cash and derivatives).

The purpose of this document is to provide all message formats for the derivative market part of ETI.

The chapter 3 Message Formats provides the detailed message formats and fields. An introduction to the XML Interface Description and important message flows are provided in the appendix.

In addition to this document a corresponding XML representation and the schema files as well as C-Header files are published.

3 Message Formats

This chapter provides details on the administrative and application messages used by ETI. Information on data types and the most important error codes are provided. Messages sent by participants not listed in this section are rejected by the server via a Reject (3) message.

Each ETI message format has a unique binary message type identifier (*TemplateID (28500)*) and is based on a standard FIX message.

The Interface version used by the participant needs to be provided during Session Logon in *DefaultCstmApplVerID (1408)*; the Session Logon Response will return the Interface Version, which the ETI Gateway currently uses, in the same field.

The Interface Version will allow the participant to recognize that ETI has changed. The Build Number shows to which ETI XML file, ETI XSD file, canned data, exchange software the ETI Manual belongs to.

3.1 Message Fragmentation

In case the complete data of a transaction does not fit into a single message, ETI automatically sends a sequence of messages to the participant.

The field *LastFragment (893)* in the corresponding header structure indicates whether the current message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction or if the application should wait for further messages in order to retrieve the full data set.
Another mechanism for message fragmentation that is used for inquiring reference data (session, user, enrichment rules) bases on the LastEntityProcess (25035) field that is part of the requests and the responses. In the first inquiry (request) LastEntityProcess (25035) must not be set. The application should continue sending the inquiries using the LastEntityProcess (25035) from the recent response. A response with LastEntityProcess (25035) not set indicates that no more data is available.

3.2 Data Types

ETI supports the following data types:

ETI Data Type	Description	No Value
signed int	Little endian byte order. Supported are 1, 2, 4 and 8-byte, signed integers two's complement representation.	1 byte signed int: 0x80 2 byte signed int: 0x8000 4 byte signed int: 0x80000000 8 byte signed int: 0x8000000000000000
unsigned int	Little endian byte order. Supported are 1, 2, 4 and 8-byte, unsigned integers.	1 byte unsigned int: 0xFF 2 byte unsigned int: 0xFFFF 4 byte unsigned int: 0xFFFFFFFF 8 byte unsigned int: 0xFFFFFFFFFFFFFFFF
Float	Encoded as 8-byte signed integer (8 implicit decimals).	0x8000000000000000
FloatDecimal4	Encoded as 8-byte signed integer (4 implicit decimals).	0x8000000000000000
FloatDecimal6	Encoded as 8-byte signed integer (6 implicit decimals).	0x8000000000000000
FloatDecimal7	Encoded as 8-byte signed integer (7 implicit decimals).	0x8000000000000000
Fixed String	Length information specifies the fixed size. Encoded as character array. Completely filled with valid characters (space padding if required).	0x00 at the first position
Fixed String (0- terminable)	Length information specifies the fixed size. Encoded as character array optionally 0-terminable (minimum string size of 1). XML file: attribute "isTerminable" is set to true. Padding after 0-terminator required up to fixed size.	0x00 at the first position

ETI Data Type	Description	No Value
Variable String	Length information specifies the maximum possible size. Separate counter field specifies the transmitted string size. XML file: attribute "variableSize" set to true. The message is filled up to a multiple of 8 bytes and truncated.	0x00 at the first position (if the field is not the last one of a certain message) OR the related counter field specifying the transmitted string size is set to 0.
Counter	This data type represents an unsigned integer as a counter for arrays of variable size.	see 1 byte unsigned int and 2 byte unsigned int respectively
LocalMktDate	Date of Local Market (as opposed to UTC) in YYYYMMDD 4 byte unsigned binary format. Example: date 10.09.2014 is represented by a 4 byte unsigned integer number 20140910.	see 4 byte unsigned int
LocalMonthYearCod	Month of the Local Market in YYYYMM 4 byte unsigned binary format.	See 4 byte unsigned int
PriceType	Price in integer format including 8 decimals. For certain asset classes, prices may have negative values.	see 8 byte signed int
Qty	Quantity in integer format including 4 decimals.	see 8 byte signed int
SeqNum	Message sequence number in 8 byte unsigned binary format.	see 8 byte unsigned int
UTCTimestamp	Date and time, in UTC, represented as nanoseconds past the UNIX epoch (00:00:00 UTC on 1 January 1970).	see 8 byte unsigned int
char	String of length 1.	0x00
Data	Byte array where each byte has a value from 0 to 255. The length information specifies the fixed size. Encoded as byte array. Byte array is always filled completely.	Each byte filled with 0x00.

ETI Data Type	Description	No Value

3.3 Error Codes

All rejections and errors on an application and session level are communicated via the FIX standard *Reject (3)* message; except for Mass Quote Response.

The error code will be provided in field *SessionRejectReason (373)*, the error text in field *VarText (30355)*.

ETI offers detailed error description in the error text, only for selected errors unique error codes are available.

ETI will provide the following dedicated error codes, which the participant application may interpret for automated processing:

SessionRejectReason (373)	Description
100	Reject due to exceeded throttle limit.
101	Stale request was not forwarded to T7.
102	Service temporarily not available.
103	Service not available.
211	User already logged in.
216	Gateway is standby.
217	Session login limit reached.
223	User entitlement data timeout.
224	Session limit reached (per PS Gateway and Business Unit).
225	User login tries (per time interval) reached.
226	Limit of outstanding session/user logins reached (per Business Unit).
227	Limit of outstanding session/user logins reached (per session).
228	Password timestamp not in grace period.
10000	Order not found.
10001	Price reasonability check failed.
10002	Client order ID not unique.
10003	Quote activation in progress.
10006	Stop buy price not reasonable.
10007	Stop sell price not reasonable.
10008	GFD order is not executable on current business day.

SessionRejectReason (373)	Description
10009	Execution restriction and instrument state mismatch.
10010	Throttle limit for creation of complex instrument exceeded.
10011	Order maintenance not allowed in current state.
10013	Required min lot size not reached.

4 Overview of Supported Message Types

The following message formats are based on:

- Interface Version: 14.1
- Build Number: 141.440.0.ga-141004040-43

Additionally, ETI clients implementing interface version '14.0' will be supported. Please refer to chapter Change Log for details regarding interface changes between the ETI versions '14.0' and '14.1'.

4.1 Session Layer

ETI Message	Sender	FIX Message	MsgType (35)
Session Logon	Participant	Logon	A
Session Logon (Password encrypted)	Participant	Logon	A
Session Logon Response	ETI Gateway	Logon	A
Session Logout	Participant	Logout	5
Session Logout Response	ETI Gateway	Logout	5
Session Logout Notification	ETI Gateway	Logout	5
Heartbeat	Participant	Heartbeat	0
Heartbeat Notification	ETI Gateway	Heartbeat	0
Legal Notification	ETI Gateway	UserNotification	CB
User Logon	Participant	UserRequest	BE
User Logon (Password encrypted)	Participant	UserRequest	BE
User Logon Response	ETI Gateway	UserResponse	BF
User Logout	Participant	UserRequest	BE
User Logout Response	ETI Gateway	UserResponse	BF
User Logout Notification	ETI Gateway	Logout	5
Throttle Update Notification	ETI Gateway	UserNotification	CB
Subscribe	Participant	ApplicationMessageRequest	BW
Subscribe Response	ETI Gateway	ApplicationMessageRequestAck	BX
Unsubscribe	Participant	ApplicationMessageRequest	BW
Unsubscribe Response	ETI Gateway	ApplicationMessageRequestAck	BX
Retransmit	Participant	ApplicationMessageRequest	BW
Retransmit Response	ETI Gateway	ApplicationMessageRequestAck	BX
Retransmit (Order/Quote Event)	Participant	ApplicationMessageRequest	BW
Retransmit Response (Order/Quote Event)	ETI Gateway	ApplicationMessageRequestAck	BX
Reject	ETI Gateway	Reject	3
Session List Inquire	Participant	SessionDetailsListRequest	U5
Session List Inquire Response	ETI Gateway	SessionDetailsListResponse	U6
Trade Enrichment List Inquire	Participant	TradeEnrichmentListRequest	U7

ETI Message	Sender	FIX Message	MsgType (35)
Trade Enrichment List Inquire Response	ETI Gateway	TradeEnrichmentListReport	U9
User List Inquire	Participant	PartyDetailsListRequest	CF
User List Inquire Response	ETI Gateway	PartyDetailsListReport	CG

4.2 Order Handling

ETI Message	Sender	FIX Message	MsgType (35)
New Order Single or Multi Leg	Participant	NewOrderSingle	D
New Order Single or Multi Leg (short layout)	Participant	NewOrderSingle	D
New Order Response (Standard Order)	ETI Gateway	ExecutionReport	8
New Order Response (Lean Order)	ETI Gateway	ExecutionReport	8
Immediate Execution Response	ETI Gateway	ExecutionReport	8
Book Order Execution	ETI Gateway	ExecutionReport	8
Replace Order Single or Multi Leg	Participant	OrderCancelReplaceRequest	G
Replace Order Single or Multi Leg (short layout)	Participant	OrderCancelReplaceRequest	G
Replace Order Response (Lean Order)	ETI Gateway	ExecutionReport	8
Replace Order Response (Standard Order)	ETI Gateway	ExecutionReport	8
Cancel Order Single or Multi Leg	Participant	OrderCancelRequest	F
Cancel Order Response (Standard Order)	ETI Gateway	ExecutionReport	8
Cancel Order Response (Lean Order)	ETI Gateway	ExecutionReport	8
Cancel Order Notification	ETI Gateway	ExecutionReport	8
Order Mass Cancellation Request	Participant	OrderMassActionRequest	CA
Order Mass Cancellation Response	ETI Gateway	OrderMassActionReport	BZ
Order Mass Cancellation Response No Hits	ETI Gateway	OrderMassActionReport	BZ
Order Mass Cancellation Notification	ETI Gateway	OrderMassActionReport	BZ
Extended Order Information	ETI Gateway	ExecutionReport	8
Mass Order	Participant	MassOrder	DJ
Mass Order Ack	ETI Gateway	MassOrderAck	DK

4.3 Quote Handling

ETI Message	Sender	FIX Message	MsgType (35)
Mass Quote	Participant	MassQuote	i
Mass Quote Response	ETI Gateway	MassQuoteAcknowledgement	b
Quote Execution Notification	ETI Gateway	QuoteExecutionReport	U8

ETI Message	Sender	FIX Message	MsgType (35)
Quote Mass Cancellation Request	Participant	OrderMassActionRequest	CA
Quote Mass Cancellation Response	ETI Gateway	OrderMassActionReport	BZ
Quote Mass Cancellation Notification	ETI Gateway	OrderMassActionReport	BZ
Quote Activation Request	Participant	OrderMassActionRequest	CA
Quote Activation Response	ETI Gateway	OrderMassActionReport	BZ
Quote Activation Notification	ETI Gateway	OrderMassActionReport	BZ
Inquire Market Maker Parameters	Participant	MMParameterRequest	U17
Inquire Market Maker Parameters Response	ETI Gateway	MMParameterResponse	U18
Market Maker Parameter Definition	Participant	MMParameterDefinitionRequest	U14
Market Maker Parameter Definition Response	ETI Gateway	RequestAcknowledge	U1

4.4 Strategy Creation

ETI Message	Sender	FIX Message	MsgType (35)
Create Strategy	Participant	SecurityDefinitionRequest	c
Create Strategy Response	ETI Gateway	SecurityDefinition	d

4.5 Flexible Instrument Creation

ETI Message	Sender	FIX Message	MsgType (35)
Create Flexible Instrument Request	Participant	SecurityDefinitionRequest	c
Create Flexible Instrument Response	ETI Gateway	SecurityDefinition	d

4.6 Scaled Simple Instrument Creation

ETI Message	Sender	FIX Message	MsgType (35)
Create Scaled Simple Instrument Request	Participant	SecurityDefinitionRequest	c
Create Scaled Simple Instrument Response	ETI Gateway	SecurityDefinition	d

4.7 Quote and Cross Request

ETI Message	Sender	FIX Message	MsgType (35)
Quote Request	Participant	QuoteRequest	R
Quote Request Response	ETI Gateway	RequestAcknowledge	U1
Cross Request	Participant	CrossRequest	DS
Cross Request Response	ETI Gateway	RequestAcknowledge	U1

4.8 CLIP Trading

ETI Message	Sender	FIX Message	MsgType (35)
CLIP Enter Request	Participant	CrossRequest	DS
Response to a CLIP Request	ETI Gateway	CrossRequestAck	DT
CLIP Execution Notification	ETI Gateway	ExecutionReport	8
CLIP Delete Request	Participant	CrossRequest	DS
CLIP Deletion Notification	ETI Gateway	ExecutionReport	8

4.9 Selective Request for Quote Service

ETI Message	Sender	FIX Message	MsgType (35)
SRQS Open Negotiation Request	Participant	QuoteRequest	R
SRQS Inquire Smart Respondent Request	Participant	PartyDetailsListRequest	CF
SRQS Inquire Smart Respondent Response	ETI Gateway	PartyDetailsListReport	CG
SRQS Quote Response	ETI Gateway	QuoteAck	CW
SRQS Quote Snapshot Notification	ETI Gateway	MassQuote	i
SRQS Quote Snapshot Request	Participant	QuoteRequest	R
SRQS Response	ETI Gateway	MassQuoteAcknowledgement	b
SRQS Open Negotiation Notification for Requester	ETI Gateway	QuoteStatusReport	AI
SRQS Open Negotiation Notification for Respondent	ETI Gateway	QuoteStatusReport	AI
SRQS Update Negotiation Request	Participant	QuoteRequest	R
SRQS Negotiation Notification for Requester	ETI Gateway	QuoteStatusReport	AI
SRQS Enter Quote Request	Participant	QuoteRequest	R
SRQS Quote Notification for Responder	ETI Gateway	Quote	S
SRQS Enter Quoting Status Request	Participant	MassQuoteAcknowledgement	b
SRQS Hit Quote Request	Participant	QuoteResponse	AJ
SRQS Deal Response	ETI Gateway	QuoteAck	CW
SRQS Create Deal Notification	ETI Gateway	TradeCaptureReport	AE
SRQS Update Deal Request	Participant	TradeCaptureReport	AE
SRQS Deal Notification	ETI Gateway	TradeCaptureReport	AE
SRQS Negotiation Status Notification	ETI Gateway	QuoteStatusReport	AI
SRQS Negotiation Notification for Respondent	ETI Gateway	QuoteStatusReport	AI
SRQS Status Notification	ETI Gateway	QuoteStatusReport	AI

4.10 TES Trading

ETI Message	Sender	FIX Message	MsgType (35)
Enter TES Trade Request	Participant	TradeCaptureReport	AE
TES Response	ETI Gateway	TradeCaptureReportAck	AR
TES Broadcast	ETI Gateway	TradeCaptureReport	AE
Modify TES Trade Request	Participant	TradeCaptureReport	AE
Delete TES Trade Request	Participant	TradeCaptureReport	AE
Delete TES Trade Broadcast	ETI Gateway	TradeCaptureReport	AE
Approve TES Trade Request	Participant	TradeCaptureReport	AE
Approve TES Trade Broadcast	ETI Gateway	TradeCaptureReport	AE
TES Status Broadcast	ETI Gateway	TradingSessionStatus	h
TES Execution Broadcast	ETI Gateway	TradeCaptureReport	AE
TES Trade Broadcast	ETI Gateway	TradeCaptureReport	AE
Reverse TES Trade Request	Participant	TradeCaptureReport	AE
Approve Reverse TES Trade Request	Participant	TradeCaptureReport	AE
TES Reversal Broadcast	ETI Gateway	TradeCaptureReport	AE
Upload TES Trade Request	Participant	TradeCaptureReport	AE
TES Trade Upload Broadcast	ETI Gateway	TradeCaptureReport	AE

4.11 Basket Trading

ETI Message	Sender	FIX Message	MsgType (35)
Enter Basket Trade Request	Participant	TradeMatchReport	DC
Basket Trading Response	ETI Gateway	TradeMatchReportAck	DD
Basket Trading Broadcast	ETI Gateway	TradeMatchReport	DC
Approve Basket Broadcast	ETI Gateway	TradeMatchReport	DC
Approve Basket Trade Request	Participant	TradeMatchReport	DC
Basket Execution Broadcast	ETI Gateway	TradeMatchReport	DC
Modify Basket Trade Request	Participant	TradeMatchReport	DC
Delete Basket Trade Request	Participant	TradeMatchReport	DC
Delete Basket Broadcast	ETI Gateway	TradeMatchReport	DC
Amend Basket Trade Request	Participant	TradeMatchReport	DC
Basket Roll Request	Participant	TradeMatchReport	DC
Basket Roll Broadcast	ETI Gateway	TradeMatchReport	DC

4.12 Other

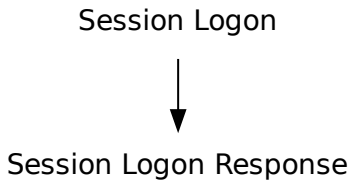
ETI Message	Sender	FIX Message	MsgType (35)
Trade Notification	ETI Gateway	TradeCaptureReport	AE
Inquire Margin Based Risk Limit Request	Participant	PartyRiskLimitsRequest	CL

ETI Message	Sender	FIX Message	MsgType (35)
Inquire Margin Based Risk Limit Response	ETI Gateway	PartyRiskLimitsReport	CM
Status Broadcast	ETI Gateway	TradingSessionStatus	h
Trade Notification Status	ETI Gateway	TradingSessionStatus	h
Update Remaining Risk Allowance Base Request	Participant	PartyRiskLimitsDefinitionRequest	CS
Update Remaining Risk Allowance Base Response	ETI Gateway	PartyRiskLimitsDefinitionRequest-Ack	CT
Trading Session Event	ETI Gateway	TradingSessionStatus	h
Mass Cancellation Event	ETI Gateway	OrderMassActionReport	BZ
Pre-Trade Risk Limits Definition Request	Participant	PartyRiskLimitsRequest	CL
Pre-Trade Risk Limit Response	ETI Gateway	PartyRiskLimitsReport	CM
Inquire Pre-Trade Risk Limits Request	Participant	PartyRiskLimitsRequest	CL
Service Availability	ETI Gateway	UserNotification	CB
Service Availability Market	ETI Gateway	UserNotification	CB
News	ETI Gateway	News	B
Entitlement Notification	ETI Gateway	PartyEntitlementsUpdateReport	CZ
Party Action Report	ETI Gateway	PartyActionReport	DI
Risk Notification	ETI Gateway	PartyRiskLimitsUpdateReport	CR
Ping Request	Participant	TestRequest	1
Ping Response	ETI Gateway	Heartbeat	0
Gap Fill	ETI Gateway	ApplicationMessageReport	BY

5 Session Layer

5.1 Session Logon

This message must be the first message sent by the participant to the assigned gateway authenticating the T7 ETI session. Password change is not supported. For more details, please refer to the ETI Manual, chapters Session Authentication and Logon.



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10000 (Logon, MsgType = A)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Must be set to 1.
50	SenderSubID	U	4	20	unsigned int	not used
<MessageBody>						
108	HeartBtInt	N	4	24	unsigned int	Heartbeat (in milliseconds) interval 0 = gateway will not take any action for skipped heartbeats (only allowed for non-production environments) not set: gateway will define interval
20055	PartyIDSessionID	Y	4	28	unsigned int	Session ID
1408	DefaultCstmApplVerID	Y	30	32	Fixed String (0-terminable)	Indicates the ETI interface version the participant application uses.The interface version can be found in XML and C-Header files. Valid characters: \x20, \x22-\x7B, \x7D, \x7E

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>554</td><td>Password</td><td>Y</td><td>32</td><td>62</td><td>Fixed String (0-terminable)</td><td>not encrypted
Valid characters: 0-9, A-Z, a-z, \x21, \x23, \x24, \x25, \x26, \x2A, \x2B, \x2D, \x2F, \x3D, \x40, \x5F</td></tr>
<tr><td>25012</td><td>ApplUsageOrders</td><td>N</td><td>1</td><td>94</td><td>char</td><td>Participant application: type of order processing.<table><tr><th>Value</th><th>Description</th></tr><tr><td>A</td><td>Automated</td></tr><tr><td>M</td><td>Manual</td></tr><tr><td>B</td><td>Both (Automated and Manual)</td></tr><tr><td>N</td><td>None</td></tr></table></td></tr>
<tr><td>25013</td><td>ApplUsageQuotes</td><td>N</td><td>1</td><td>95</td><td>char</td><td>Participant application: type of quote processing.<table><tr><th>Value</th><th>Description</th></tr><tr><td>A</td><td>Automated</td></tr><tr><td>M</td><td>Manual</td></tr><tr><td>B</td><td>Both (Automated and Manual)</td></tr><tr><td>N</td><td>None</td></tr></table></td></tr>
<tr><td>25014</td><td>OrderRoutingIndicator</td><td>N</td><td>1</td><td>96</td><td>char</td><td>Indicates if the participant application is an order routing system.<table><tr><th>Value</th><th>Description</th></tr><tr><td>Y</td><td>Yes</td></tr><tr><td>N</td><td>No</td></tr></table></td></tr>
<tr><td>1600</td><td>FIXEngineName</td><td>N</td><td>30</td><td>97</td><td>Fixed String (0-terminable)</td><td>Provides the name of the infrastructure component being used for session level communication.Normally this would be the FIX Engine or FIX Gateway product name.
Valid characters: \x20, \x22-\x7B, \x7D, \x7E</td></tr>
<tr><td>1601</td><td>FIXEngineVersion</td><td>N</td><td>30</td><td>127</td><td>Fixed String (0-terminable)</td><td>Provides the version of the FIX infrastructure component.
Valid characters: \x20, \x22-\x7B, \x7D, \x7E</td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1602	FIXEngineVendor	N	30	157	Fixed String (0-terminable)	Provides the name of the vendor providing the FIX infrastructure component. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
1603	ApplicationSystem-Name	N	30	187	Fixed String (0-terminable)	Provides the name of the application system being used to generate T7 ETI application messages.This will normally be a trading system, OMS, or EMS. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
1604	ApplicationSystem-Version	N	30	217	Fixed String (0-terminable)	Provides the version of the application system being used to initiate T7 ETI application messages. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
1605	ApplicationSystem-Vendor	N	30	247	Fixed String (0-terminable)	Provides the vendor of the application system as the 5-letter EUREX/XETRA Member ID. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
39030	Pad3	U	3	277	Fixed String	not used

5.2 Session Logon (Password encrypted)

ETI session logon with encrypted password. Password change is not supported. For more details, please refer to the ETI Manual, chapters Session Authentication and Logon.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 19000 (Logon, MsgType = A)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Must be set to 1.
50	SenderSubID	U	4	20	unsigned int	not used
<MessageBody>						
108	HeartBtInt	N	4	24	unsigned int	Heartbeat (in milliseconds) interval 0 = gateway will not take any action for skipped heartbeats (only allowed for non-production environments) not set: gateway will define interval
20055	PartyIDSessionID	Y	4	28	unsigned int	Session ID
1408	DefaultCstmApplVerID	Y	30	32	Fixed String (0-terminable)	Indicates the T7 ETI interface version the ETI gateway software uses. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
1402	EncryptedPassword	Y	684	62	Fixed String	Encrypted password. Valid characters: A-Z, a-z, 0-9, \x2B, \x2F, \x3D
25012	ApplUsageOrders	N	1	746	char	Participant application: type of order processing. Value: A = Automated; M = Manual; B = Both (Automated and Manual); N = None

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25013	ApplUsageQuotes	N	1	747	char	Participant application: type of quote processing. Value: A = Automated; M = Manual; B = Both (Automated and Manual); N = None
25014	OrderRoutingIndicator	N	1	748	char	Indicates if the participant application is an order routing system. Value: Y = Yes; N = No
1600	FIXEngineName	N	30	749	Fixed String (0-terminable)	Provides the name of the infrastructure component being used for session level communication.Normally this would be the FIX Engine or FIX Gateway product name. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
1601	FIXEngineVersion	N	30	779	Fixed String (0-terminable)	Provides the version of the FIX infrastructure component. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
1602	FIXEngineVendor	N	30	809	Fixed String (0-terminable)	Provides the name of the vendor providing the FIX infrastructure component. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
1603	ApplicationSystem-Name	N	30	839	Fixed String (0-terminable)	Provides the name of the application system being used to generate T7 ETI application messages.This will normally be a trading system, OMS, or EMS. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
1604	ApplicationSystem-Version	N	30	869	Fixed String (0-terminable)	Provides the version of the application system being used to initiate T7 ETI application messages. Valid characters: \x20, \x22-\x7B, \x7D, \x7E

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1605	ApplicationSystem-Vendor	N	30	899	Fixed String (0-terminable)	Provides the vendor of the application system as the 5-letter EUREX/XETRA Member ID. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
39070	Pad7	U	7	929	Fixed String	not used

5.3 Session Logon Response

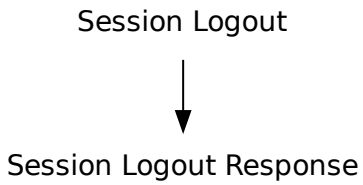
This message confirms the Session Logon request. For more details, please refer to the ETI Manual, chapters Session Authentication and Logon.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10001 (Logon, MsgType = A)
39020	Pad2	U	2	6	Fixed String	not used
<ResponseHeader>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Outgoing timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
39040	Pad4	U	4	28	Fixed String	not used
<MessageBody>						
1614	ThrottleTimeInterval	Y	8	32	signed int	Throttle time interval in number of milliseconds; applicable for transaction limit.
1613	ThrottleNoMsgs	Y	4	40	unsigned int	Transaction limit per ThrottleTimeInterval (1614). If set to 0, throttling will be switched off.
25002	ThrottleDisconnectLimit	Y	4	44	unsigned int	Disconnect limit: maximum number of sequential message rejects due to throttle violation allowed by the T7 ETI.
108	HeartBtInt	Y	4	48	unsigned int	Actual heartbeat interval (in milliseconds), gateway overrides out of range value or sets to default if logon omits the field
25004	SessionInstanceID	Y	4	52	unsigned int	Unique ID for the session instance assigned by the T7 system during session logon; to be communicated to helpdesk for troubleshooting.
25243	LatestPublicKeySeqNo	N	4	56	unsigned int	Sequence number of latest public key.
25242	PublicKeyLen	N	2	60	Counter	Byte length of the public key.

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1301</td><td>MarketID</td><td>Y</td><td>2</td><td>62</td><td>unsigned int</td><td>Market ID.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>XEUR</td></tr><tr><td>2</td><td>XEEE</td></tr><tr><td>12</td><td>NODX</td></tr><tr><td>*</td><td>More values</td></tr></table></td></tr>
<tr><td>339</td><td>TradSesMode</td><td>Y</td><td>1</td><td>64</td><td>unsigned int</td><td>Environment Type<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Development</td></tr><tr><td>2</td><td>Simulation</td></tr><tr><td>3</td><td>Production</td></tr><tr><td>4</td><td>Acceptance</td></tr><tr><td>5</td><td>Disaster Recovery</td></tr></table></td></tr>
<tr><td>1408</td><td>DefaultCstmApplVer-ID</td><td>Y</td><td>30</td><td>65</td><td>Fixed String (0-terminable)</td><td>Indicates the T7 ETI interface version the ETI gateway software uses.
Valid characters: \x20, \x22-\x7B, \x7D, \x7E</td></tr>
<tr><td>28763</td><td>DefaultCstmApplVer-SubID</td><td>Y</td><td>5</td><td>95</td><td>Fixed String</td><td>ETI subversion. Identifies ETI changes within one ETI version.<table><tr><th>Value</th><th>Description</th></tr><tr><td>D0001</td><td>Derivatives subversion</td></tr></table></td></tr>
<tr><td>5948</td><td>PartitionID</td><td>N</td><td>2</td><td>100</td><td>unsigned int</td><td>Grouping of T7 products. Only set for ETI HF Sessions.</td></tr>
<tr><td>25233</td><td>PublicKey</td><td>N</td><td>814</td><td>102</td><td>Variable String</td><td>Public key. Length is defined by field PublicKeyLen.
Valid characters: A-Z, a-z, 0-9, \x2B, \x2F, \x3D, \x2D, \x20, \x0A, \x0D</td></tr>
</table>

5.4 Session Logout

Session Logout request. For more details, please refer to the ETI Manual, chapter Logout.



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10002 (Logout, MsgType = 5)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	U	4	20	unsigned int	not used

5.5 Session Logout Response

This message confirms the Session Logout request. For more details, please refer to the ETI Manual, chapter Logout.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10003 (Logout, MsgType = 5)
39020	Pad2	U	2	6	Fixed String	not used
<ResponseHeader>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Outgoing timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
39040	Pad4	U	4	28	Fixed String	not used

5.6 Session Logout Notification

The Session Logout Notification message is used to inform about an unsolicited session logout triggered by the operator of the T7 system or by the T7 system itself. For more details, please refer to the ETI Manual, chapter Logout.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10012 (Logout, MsgType = 5)
39020	Pad2	U	2	6	Fixed String	not used
<NotifHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
<MessageBody>						
30354	VarTextLen	Y	2	16	Counter	Number of used bytes for field VarText (30355).
30355	VarText	Y	2000	18	Variable String	Error text. Valid characters: \x09, \x0A, \x0D, \x20-\x7B, \x7D, \x7E

5.7 Heartbeat

The Heartbeat message is used by the T7 ETI gateway to monitor the status of the communication link to the ETI client during periods of inactivity. For more details, please refer to the ETI Manual, chapter Heartbeat.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10011 (Heartbeat, MsgType = 0)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used

5.8 Heartbeat Notification

The Heartbeat notification may be used by the ETI client to monitor the status of the communication link to the T7 ETI gateway during periods of inactivity. For more details, please refer to the ETI Manual, chapter Heartbeat.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10023 (Heartbeat, MsgType = 0)
39020	Pad2	U	2	6	Fixed String	not used
<NotifHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway

5.9 Legal Notification

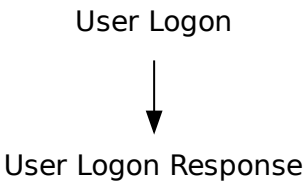
This message informs about the suspension from trading. For more details, please refer to the ETI Manual, chapter Risk Control.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10037 (UserNotification, MsgType = CB)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	U	4	24	unsigned int	not used
5948	PartitionID	Y	2	28	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 6 = Risk Control
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
60	TransactTime	Y	8	40	UTCTimestamp	Transaction timestamp.
30354	VarTextLen	Y	2	48	Counter	Number of used bytes for field VarText (30355).

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>926</td><td>UserStatus</td><td>Y</td><td>1</td><td>50</td><td>unsigned int</td><td>The status of the User<table><tr><td>Value</td><td>Description</td></tr><tr><td>10</td><td>Admission to trading suspended</td></tr><tr><td>11</td><td>Suspension revoked</td></tr></table></td></tr>
<tr><td>30355</td><td>VarText</td><td>Y</td><td>2000</td><td>51</td><td>Variable String</td><td>Error text.
Valid characters: \x09, \x0A, \x0D, \x20-\x7B, \x7D, \x7E</td></tr>
</table>

5.10 User Logon

Each user needs to logon to T7 via the User Logon message. For more details, please refer to the ETI Manual, chapter User Authentication.



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10018 (UserRequest, MsgType = BE)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	U	4	20	unsigned int	not used
<MessageBody>						
553	Username	Y	4	24	unsigned int	The trader ID
554	Password	Y	32	28	Fixed String (0-terminable)	not encrypted Valid characters: 0-9, A-Z, a-z, \x21, \x23, \x24, \x25, \x26, \x2A, \x2B, \x2D, \x2F, \x3D, \x40, \x5F
39040	Pad4	U	4	60	Fixed String	not used

5.11 User Logon (Password encrypted)

Each user needs to logon to T7 via the User Logon message. This request requires an encrypted password. For more details, please refer to the ETI Manual, chapter User Authentication. Encrypted version of UserLoginRequest.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 19018 (UserRequest, MsgType = BE)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	U	4	20	unsigned int	not used
<MessageBody>						
553	Username	Y	4	24	unsigned int	The trader ID
1402	EncryptedPassword	Y	684	28	Fixed String	Encrypted password. Valid characters: A-Z, a-z, 0-9, \x2B, \x2F, \x3D

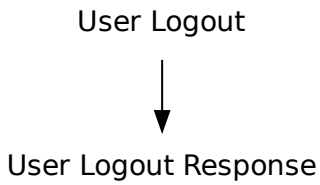
5.12 User Logon Response

The User Logon Response message is used to confirm a user logon. For more details, please refer to the ETI Manual, chapter User Authentication.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10019 (UserResponse, MsgType = BF)
39020	Pad2	U	2	6	Fixed String	not used
<ResponseHeader>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Outgoing timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
39040	Pad4	U	4	28	Fixed String	not used

5.13 User Logout

Each user may logout from T7 via the User Logout message.



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10029 (UserRequest, MsgType = BE)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	U	4	20	unsigned int	not used
<MessageBody>						
553	Username	Y	4	24	unsigned int	The trader ID
39040	Pad4	U	4	28	Fixed String	not used

5.14 User Logout Response

The User Logout Response message is used to confirm a user logout.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10024 (UserResponse, MsgType = BF)
39020	Pad2	U	2	6	Fixed String	not used
<ResponseHeader>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Outgoing timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
39040	Pad4	U	4	28	Fixed String	not used

5.15 User Logout Notification

The User Logout Notification message is used to confirm the forced logout of a user from the session that receives the message. The logout is performed by the exchange on behalf of the participant's request (for example via telephone).

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10043 (Logout, MsgType = 5)
39020	Pad2	U	2	6	Fixed String	not used
<NotifHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
<MessageBody>						
553	Username	Y	4	16	unsigned int	The trader ID
30354	VarTextLen	Y	2	20	Counter	Number of used bytes for field VarText (30355).
926	UserStatus	Y	1	22	unsigned int	The status of the User Value: 7 — Description: Forced user logout by exchange
30355	VarText	Y	2000	23	Variable String	Error text. Valid characters: \x09, \x0A, \x0D, \x20-\x7B, \x7D, \x7E

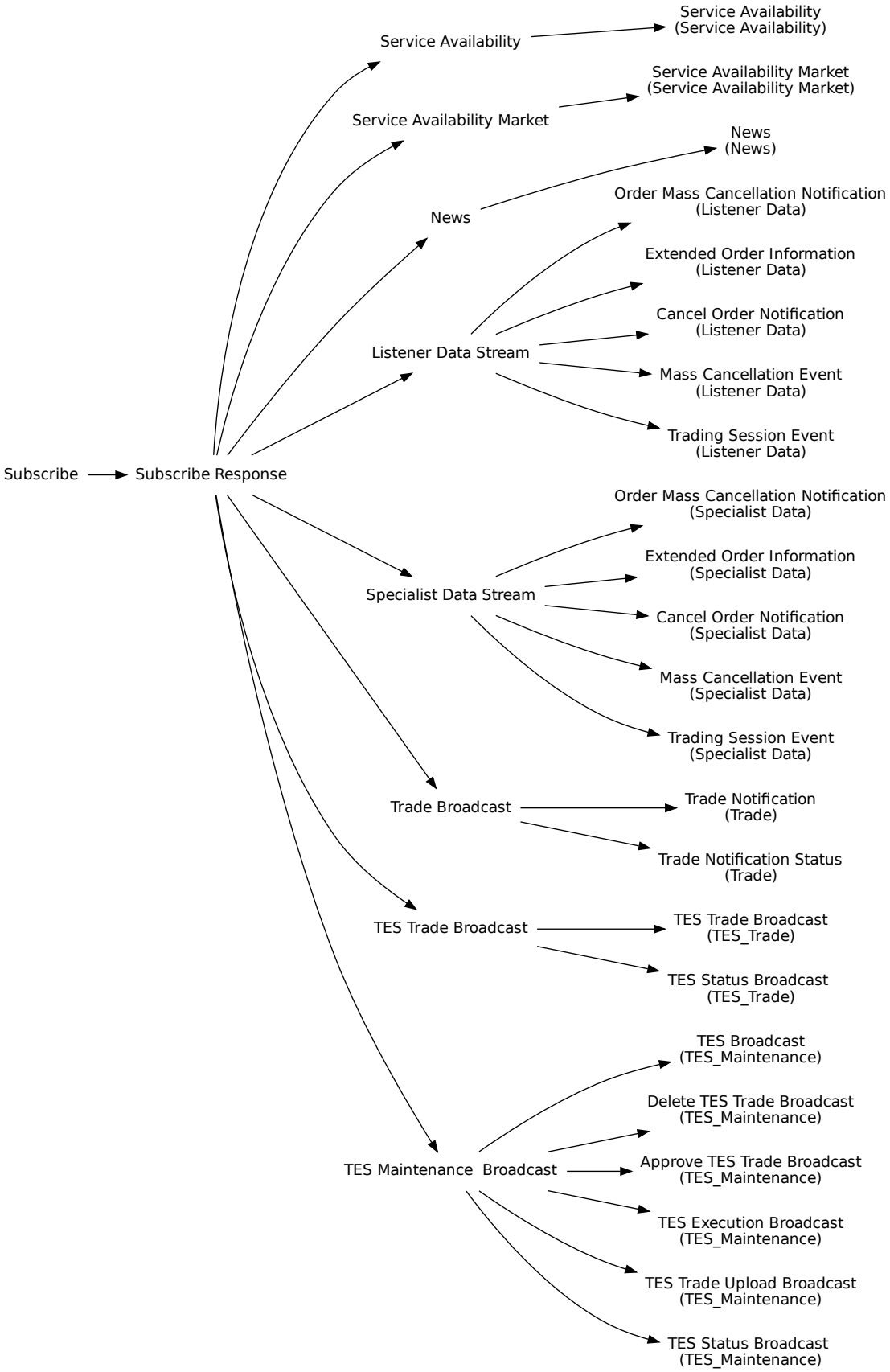
5.16 Throttle Update Notification

This message informs about throttle parameters that have been updated intraday.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10028 (UserNotification, MsgType = CB)
39020	Pad2	U	2	6	Fixed String	not used
<NotifHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
<MessageBody>						
1614	ThrottleTimeInterval	Y	8	16	signed int	Throttle time interval in number of milliseconds; applicable for transaction limit.
1613	ThrottleNoMsgs	Y	4	24	unsigned int	Transaction limit per ThrottleTimeInterval (1614). If set to 0, throttling will be switched off.
25002	ThrottleDisconnectLimit	Y	4	28	unsigned int	Disconnect limit: maximum number of sequential message rejects due to throttle violation allowed by the T7 ETI.

5.17 Subscribe

This message is used to subscribe to a T7 ETI broadcast. Multiple subscriptions to the same pair of RefApplId (1355) and SubscriptionScope (25001) are not allowed. For more details, please refer to the ETI Manual, chapter Broadcast.


Subscribe
Subscribe Response
Service Availability
Service Availability
(Service Availability)
Service Availability Market
Service Availability Market
(Service Availability Market)
News
News
(News)
Listener Data Stream
Order Mass Cancellation Notification
(Listener Data)
Extended Order Information
(Listener Data)
Cancel Order Notification
(Listener Data)
Mass Cancellation Event
(Listener Data)
Trading Session Event
(Listener Data)
Specialist Data Stream
Order Mass Cancellation Notification
(Specialist Data)
Extended Order Information
(Specialist Data)
Cancel Order Notification
(Specialist Data)
Mass Cancellation Event
(Specialist Data)
Trading Session Event
(Specialist Data)
Trade Broadcast
Trade Notification
(Trade)
Trade Notification Status
(Trade)
TES Trade Broadcast
TES Trade Broadcast
(TES_Trade)
TES Status Broadcast
(TES_Trade)
TES Maintenance Broadcast
TES Broadcast
(TES_Maintenance)
Delete TES Trade Broadcast
(TES_Maintenance)
Approve TES Trade Broadcast
(TES_Maintenance)
TES Execution Broadcast
(TES_Maintenance)
TES Trade Upload Broadcast
(TES_Maintenance)
TES Status Broadcast
(TES_Maintenance)

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10025 (ApplicationMessageRequest, MsgType = BW)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	U	4	20	unsigned int	not used
<MessageBody>						
25001	SubscriptionScope	N	4	24	unsigned int	For filter criteria for broadcast subscription see the ETI Manual, chapter Broadcast.
1355	RefApplID	Y	1	28	unsigned int	Application identifier of a T7 ETI data stream. Value: 1 — Trade 2 — News 3 — Service Availability 5 — Listener Data 7 — TES Maintenance 8 — TES Trade 9 — SRQS Maintenance 10 — Service Availability Market
39030	Pad3	U	3	29	Fixed String	not used

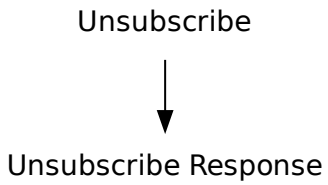
5.18 Subscribe Response

The Subscribe Broadcast Response message is used to confirm the broadcast subscription. For more details, please refer to the ETI Manual, chapter Broadcast.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10005 (ApplicationMessageRequestAck, MsgType = BX)
39020	Pad2	U	2	6	Fixed String	not used
<ResponseHeader>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Outgoing timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
39040	Pad4	U	4	28	Fixed String	not used
<MessageBody>						
28727	ApplSubID	Y	4	32	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
39040	Pad4	U	4	36	Fixed String	not used

5.19 Unsubscribe

This message is used to revoke a broadcast subscription.



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10006 (ApplicationMessageRequest, MsgType = BW)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	U	4	20	unsigned int	not used
<MessageBody>						
28728	RefApplSubID	Y	4	24	unsigned int	Unique ID for the subscription instance assigned by the T7 system during broadcast subscription.
39040	Pad4	U	4	28	Fixed String	not used

5.20 Unsubscribe Response

The Unsubscribe Broadcast Response message is used to confirm the revocation of a broadcast subscription.

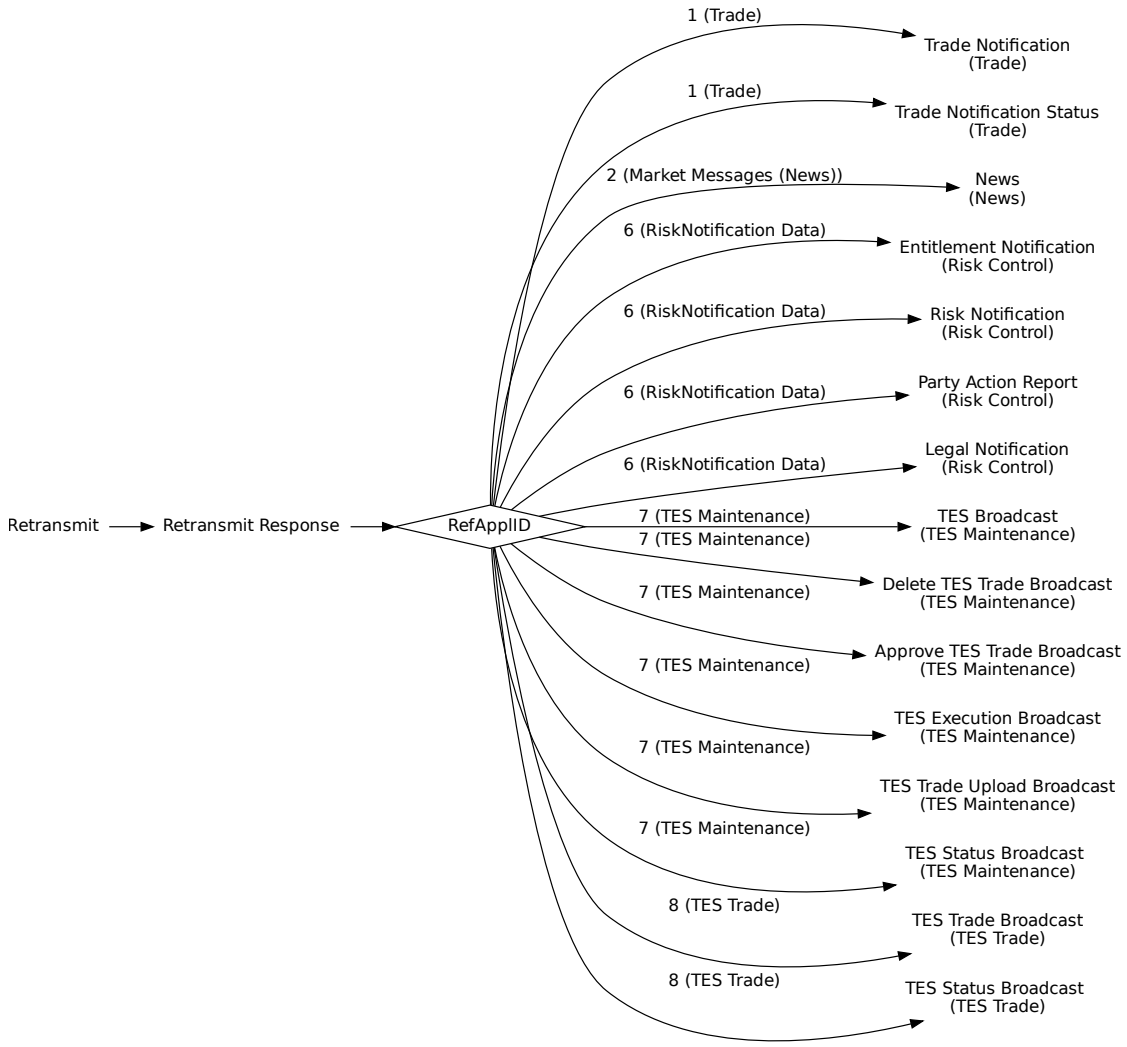
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10007 (ApplicationMessageRequestAck, MsgType = BX)
39020	Pad2	U	2	6	Fixed String	not used
<ResponseHeader>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Outgoing timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
39040	Pad4	U	4	28	Fixed String	not used

5.21 Retransmit

This message is used for re-transmission of trade, TES trades, SRQS (Eurex/Xetra EnLight) maintenance data, risk control and news data for recovery purposes.The specified application sequence number range will lead to the retransmission of data whose application sequence number is >= ApplBegSeqNum (1182) and <= ApplEndSeqNum (1183).Depending on RefApplID (1355), the request is sent to the respective service:

- RefApplID = 1 (Trade) => request is sent to the Trades service
- RefApplID = 2 (News) => request is sent to the News service
- RefApplID = 6 (Risk Control) => request is sent to the Risk Control service
- RefApplID = 7 (TES Maintenance) => request is sent to the TES Retransmission Service
- RefApplID = 8 (TES Trades) => request is sent to the TES Retransmission service
- RefApplID = 9 (SRQS Maintenance) => request is sent to the SRQS service

For more details, please refer to the ETI Manual, chapter Retransmission.



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10008 (ApplicationMessageRequest, MsgType = BW)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	U	4	20	unsigned int	not used
<MessageBody>						
1182	ApplBegSeqNum	N	8	24	SeqNum	Beginning range of application sequence numbers. 'no value' means first known sequence number: 1
1183	ApplEndSeqNum	N	8	32	SeqNum	Ending range of application sequence numbers.
5948	PartitionID	N	2	40	unsigned int	The application sequence numbers are only unique per RefApplID, SubcriptionScope and PartionID.Therefore, the PartitionID is required to define the scope of a Retransmission Request. Not to be set for News, Risk Control, and SRQS Maintenance.
1355	RefApplID	Y	1	42	unsigned int	Application identifier of a T7 ETI data stream. Value: 1 – Trade 2 – News 6 – Risk Control 7 – TES Maintenance 8 – TES Trade 9 – SRQS Maintenance
39050	Pad5	U	5	43	Fixed String	not used

5.22 Retransmit Response

The Retransmission Response message confirms the Retransmit request and delivers only a fixed number of the requested data packages. So the requesting client would have to send a new retransmission request (with updated sequence numbers) if the captured response does not contain all requested data. (See below: ApplEndSeqNum (1183)).
The field ApplTotalMessageCount (1349) indicates how many retransmitted broadcast messages will follow. For fragmented messages, each fragment counts as one message. They will not be interrupted by other messages.
All these messages will consist of:

- <MessageHeaderOut>.
- < RBCHeader>, where ApplSubID (28727) is always set to 'no value' and ApplResendFlag (1352) is always set to True (indicating a retransmission message).
- <MessageBody>, which is specific for the TemplateID (28500) in <MessageHeaderOut>.

For more details, please refer to chapter Retransmission.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10009 (ApplicationMessageRequestAck, MsgType = BX)
39020	Pad2	U	2	6	Fixed String	not used
<ResponseHeader>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Outgoing timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
39040	Pad4	U	4	28	Fixed String	not used
<MessageBody>						
1183	ApplEndSeqNum	N	8	32	SeqNum	Ending range of application sequence numbers. If it is not set to the related request's ApplEndSeqNum, the client will have to send another retransmission request (with an updated ApplBegSeqNum).'no value' means the requested data is not available.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1357	RefApplLastSeqNum	N	8	40	SeqNum	Last application sequence number known by the T7 system for a certain scope of RefApplID, SubscriptionScope and PartitionID. 'no value' means that there is no data persisted yet for the requested stream subscription scope.
1349	ApplTotalMessageCount	Y	2	48	unsigned int	Total number of messages (fragments) included in transmission.
39060	Pad6	U	6	50	Fixed String	not used

5.23 Retransmit (Order/Quote Event)

This message is used for re-transmission of recoverable order/quote event data for recovery purposes.The specified application message identifier range will lead to the retransmission of data whose application message identifier is > ApplBegMsgID (28718) and <= ApplEndMsgID (28719).

For more details, please refer to the ETI Manual, chapter Retransmission. This message is sent to the service "Retransmission of Order and Quote Events".

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10026 (ApplicationMessageRequest, MsgType = BW)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	U	4	20	unsigned int	not used
<MessageBody>						
25001	SubscriptionScope	N	4	24	unsigned int	Retransmission scope (for the supported RefApplIDs): - Session Data: 'no value' - Listener Data: session ID
5948	PartitionID	Y	2	28	unsigned int	Application message identifiers are only unique per RefApplID, SubcriptionScope and PartitionID. Therefore, the PartitionID is required to define the scope of a Retransmit request.
1355	RefApplID	Y	1	30	unsigned int	Application identifier of a T7 ETI data stream. Value: 4 — Session Data Value: 5 — Listener Data
28718	ApplBegMsgID	N	16	31	data	Beginning range of application message identifiers; "no value" indicates first known application message identifier.
28719	ApplEndMsgID	N	16	47	data	Ending range of application message identifiers; "no value" means last known application message identifier.
39000	Pad1	U	1	63	Fixed String	not used

5.24 Retransmit Response (Order/Quote Event)

This message confirms the Retransmit (Order/Quote Event) request and delivers only a fixed number of the requested data packages. So the requesting client would have to send a new Retransmit (Order/Quote Event) request (with updated application message identifiers), if the captured response does not contain all requested data.(See below: ApplEndMsgID (28719)).
The field ApplTotalMessageCount (1349) indicates how many retransmitted broadcast messages will follow. For fragmented messages, each fragment counts as one message.
They will not be interrupted by other messages.
All these messages will consist of:

- <MessageHeaderOut>.
- < RBCHeaderME>, where ApplSubID (28727) is always set to 'no value', TrdRegTSTimeOut (21003) is always set to 'no value', and ApplResendFlag (1352) is always set to True (indicating a retransmission message).
- <MessageBody>, which is specific for the TemplateID (28500) in <MessageHeaderOut>.

The retransmission message template used for order and quote events differs from the session data response template in the following cases:

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10027 (ApplicationMessageRequestAck, MsgType = BX)
39020	Pad2	U	2	6	Fixed String	not used
<ResponseHeader>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Outgoing timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
39040	Pad4	U	4	28	Fixed String	not used
<MessageBody>						
1349	ApplTotalMessage-Count	Y	2	32	unsigned int	Total number of messages (fragments) included in transmission.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
28719	ApplEndMsgID	N	16	34	data	Ending range of application message identifiers. If it is not set to the related request's ApplEndMsgID, the client will have to send another Retransmit request (with an updated ApplBegMsgID).
28722	RefApplLastMsgID	N	16	50	data	Last application message identifier known by the T7 system for a certain scope of RefApplID, SubscriptionScope and PartitionID.
39060	Pad6	U	6	66	Fixed String	not used

5.25 Reject

All rejections and errors on an application and session level are communicated via the FIX standard Reject (3) message; except for Mass Quote Response.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10010 (Reject, MsgType = 3)
39020	Pad2	U	2	6	Fixed String	not used
<NRResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	N	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	N	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	N	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
893	LastFragment	Y	1	52	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 — Description: Last Message
39030	Pad3	U	3	53	Fixed String	not used
<MessageBody>						
373	SessionRejectReason	Y	4	56	unsigned int	Error code. Valid values are listed after this table.
30354	VarTextLen	Y	2	60	Counter	Values <100 are reserved by FIX. We will use user-defined values for application level errors as well

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1409	SessionStatus	Y	1	62	unsigned int	Session status. Value: 0 = Session active; 4 = Session logout complete
30355	VarText	Y	2000	63	Variable String	Error text. Valid characters: \x09, \x0A, \x0D, \x20-\x7B, \x7D, \x7E

Valid Values of SessionRejectReason (datatype SessionRejectReason)

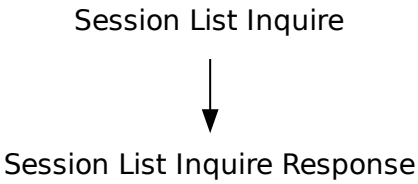
Valid Value	Description
1	Required Tag Missing
5	Value is incorrect (out of range) for this tag
7	Decryption problem
11	Invalid TemplateID
16	Incorrect NumInGroup count for repeating group
99	Other
100	Throttle limit exceeded
101	Stale request was not forwarded to T7
102	Service temporarily not available
103	Service not available
105	Error converting response or broadcast
152	Heartbeat violation error
200	Internal technical error
210	Validation Error
211	User already logged in
216	Gateway is standby
217	Session login limit (per time interval) reached
223	User Entitlement Data time out
224	Session limit reached (per PS Gateway and Business Unit)
225	User login tries limit (per time interval) reached
226	Limit of outstanding session/user logins reached (per Business Unit)
227	Limit of outstanding session/user logins reached (per Session)
228	Password timestamp not in grace period
10000	Order not found
10001	Price not reasonable
10002	Duplicate Order (ClOrdID)
10003	another quote activation request is pending for the same Product / Instrument Type / Session-ID
10006	Stop buy price not reasonable
10007	Stop sell price not reasonable

10008	GFD order is not executable on current business day
10010	Throttle limit for creation of complex instrument exceeded
10011	Order maintenance not allowed in current state
10013	Required min lot size not reached
10016	Pretrade Risk Limit exceeded

5.26 Session List Inquire

This message is used to get the list of sessions for the own business unit.These returned sessions (PartyIDSessionID (20055)) can be used as SubscriptionScope (25001) for retransmission and subscriptions requests to Listener Data (RefApplID (1355) = 4).

For more details, please refer to the ETI Manual, chapter Retransmission.



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10035 (SessionDetailsListRequest, MsgType = U5)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	U	4	20	unsigned int	not used

5.27 Session List Inquire Response

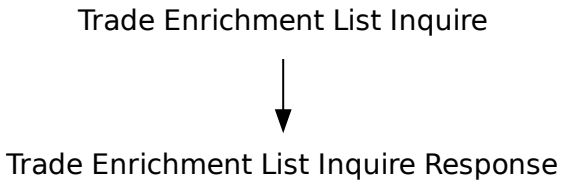
This message confirms the Session List Inquire request and provides information about sessions of the own business unit.The SessionSubMode (28735) is only set for LF sessions.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10036 (SessionDetailsListResponse, MsgType = U6)
39020	Pad2	U	2	6	Fixed String	not used
<ResponseHeader>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Outgoing timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
39040	Pad4	U	4	28	Fixed String	not used
<MessageBody>						
28734	NoSessions	Y	2	32	Counter	Number of sessions in a response.
39060	Pad6	U	6	34	Fixed String	not used
<SessionsGrp> Cardinality: 1-1000, Record counter: NoSessions						
20055	>PartyIDSessionID	Y	4	40	unsigned int	Session ID.
20359	>PartyIDSponsored-AccessUnit	N	4	44	unsigned int	Sponsored Access Unit ID.
28730	>SessionMode	Y	1	48	unsigned int	Session type. Value: 1 = ETI HF; 2 = ETI LF; 3 = GUI; 4 = FIX LF
28735	>SessionSubMode	N	1	49	unsigned int	Set if SessionMode(28730) = 2(LF) Value: 0 = Regular Trading Session; 2 = Regular Back Office Session; 4 = Sponsored Access Trading Session; 5 = Sponsored Access Back Office Session

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
22359	>PartySponsored-AccessUnit	N	30	50	Fixed String	Sponsored Access Unit name. Valid characters: \x01-\x7E

5.28 Trade Enrichment List Inquire

This message is used to get the list of enrichment rules and enrichment rule IDs for the own business unit.To retrieve all enrichment rule data, in the first request LastEntityProcessed (25035) must be set to 'no value'. While the LastEntityProcessed (25035) received in the response is not 'no value', continue sending requests using the LastEntityProcessed (25035) obtained from the response.



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10040 (TradeEnrichmentListRequest, MsgType = U7)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	U	4	20	unsigned int	not used
<MessageBody>						
25035	LastEntityProcessed	N	16	24	data	Paging key for reference data request.

5.29 Trade Enrichment List Inquire Response

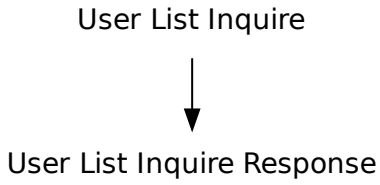
This message confirms the Enrichment List Inquire request and provides information about enrichment rules of the own business unit.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10041 (TradeEnrichmentListReport, MsgType = U9)
39020	Pad2	U	2	6	Fixed String	not used
<ResponseHeader>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Outgoing timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
39040	Pad4	U	4	28	Fixed String	not used
<MessageBody>						
25035	LastEntityProcessed	N	16	32	data	Paging key for reference data request.
28738	NoEnrichmentRules	Y	2	48	Counter	Number of enrichment rules in a response.
39060	Pad6	U	6	50	Fixed String	not used
<EnrichmentRulesGrp> Cardinality: 0-400, Record counter: NoEnrichmentRules						
20359	>PartyIDSponsored-AccessUnit	N	4	56	unsigned int	Sponsored Access Unit ID.
25033	>EnrichmentRuleID	Y	2	60	unsigned int	Identifies an enrichment rule.
20099	>PartyIDOrigination-Market	U	1	62	unsigned int	not used
1	>Account	N	2	63	Fixed String	Accounts to book trades and keep positions on. Valid characters: 1-9, \x41, \x47, \x49, \x4D, \x50, \x52
77	>PositionEffect	N	1	65	char	Field is used for T7 position management purposes and indicates whether the order is submitted to open or close a position. Value: C = Close; O = Open

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
20096	>PartyIDTakeUp-TradingFirm	N	5	66	Fixed String	Take-up Member Short Name. Valid characters: A-Z, 0-9, \x20
20013	>PartyIDOrder-OriginationFirm	N	7	71	Fixed String	External Member ID. Valid characters: A-Z, 0-9, \x20
20032	>PartyIDBeneficiary	N	9	78	Fixed String	Final Beneficiary. Valid characters: A-Z, 0-9, \x20
22359	>PartySponsored-AccessUnit	N	30	87	Fixed String	Sponsored Access Unit name. Valid characters: \x01-\x7E
25007	>FreeText1	N	12	117	Fixed String	First free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25008	>FreeText2	N	12	129	Fixed String	Second free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25009	>FreeText3	N	12	141	Fixed String	Third free-format text field for trader-specific or customer-related comments. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
39070	>Pad7	U	7	153	Fixed String	not used

5.30 User List Inquire

This message is used to get the list of traders of the own business unit. To retrieve all user data, in the first request LastEntityProcessed (25035) must be set to 'no value'. While the LastEntityProcessed (25035) received in the response is not 'no value', continue sending requests using the LastEntityProcessed (25035) obtained from the response.



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10038 (PartyDetailsListRequest, MsgType = CF)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	U	4	20	unsigned int	not used
<MessageBody>						
25035	LastEntityProcessed	N	16	24	data	Paging key for reference data request.

5.31 User List Inquire Response

This message confirms the User List Inquire request and provides information about the traders of the own business unit.

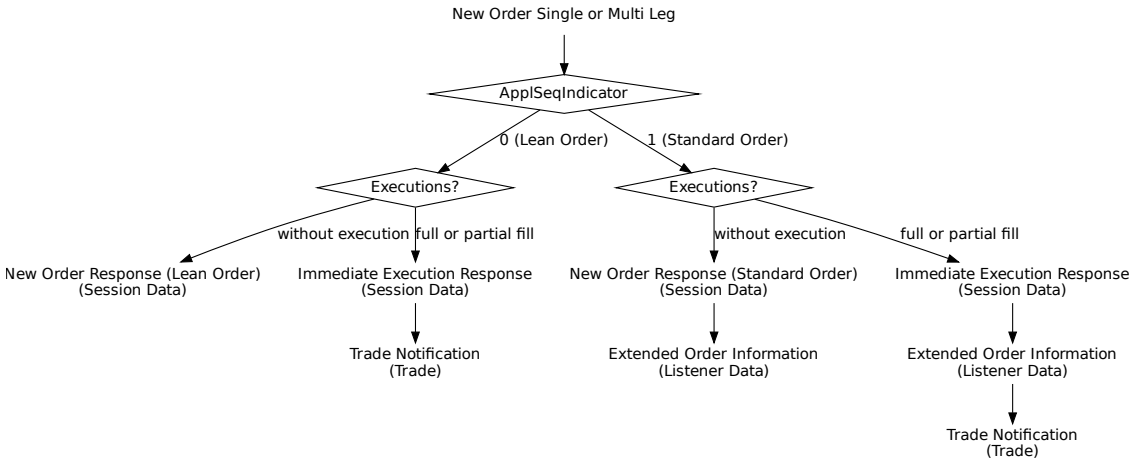
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10039 (PartyDetailsListReport, MsgType = CG)
39020	Pad2	U	2	6	Fixed String	not used
<ResponseHeader>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Outgoing timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
39040	Pad4	U	4	28	Fixed String	not used
<MessageBody>						
25035	LastEntityProcessed	N	16	32	data	Paging key for reference data request.
1671	NoPartyDetails	Y	2	48	Counter	Number of PartyDetailsGrp repeating group.
39060	Pad6	U	6	50	Fixed String	not used
<PartyDetailsGrp> Cardinality: 0 - 1000, Record counter: NoPartyDetails						
20212	>PartyDetailIDExecutingTrader	Y	4	56	unsigned int	Trader ID.
20359	>PartyIDSponsoredAccessUnit	N	4	60	unsigned int	Sponsored Access Unit ID.
22212	>PartyDetailExecutingTrader	Y	6	64	Fixed String	Trader name. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
1674	>PartyDetailRoleQualifier	Y	1	70	unsigned int	User Role Value: 10 = Trader; 11 = Head Trader; 12 = Supervisor
1672	>PartyDetailStatus	Y	1	71	unsigned int	Member status. Value: 0 = Active; 1 = Suspend

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
22276	>PartyDetailDeskID	N	3	72	Fixed String	Trader Group. Valid characters: A-Z, 0-9, \x20
22359	>PartySponsored-AccessUnit	N	30	75	Fixed String	Sponsored Access Unit name. Valid characters: \x01-\x7E
39070	>Pad7	U	7	105	Fixed String	not used

6 Order Handling

6.1 New Order Single or Multi Leg

The New Order Request message is used by the participant to submit an order add for a Single or Multi Leg instrument. This message is sent to the service "Order and Quote Management".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10138 (NewOrderSingle, MsgType = D)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
11	ClOrdID	N	8	24	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.
99	StopPx	N	8	32	PriceType	Stop price. Required if OrdType (40) is Stop (3) or used as the trigger price for an One-cancels-the-other order.

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>20003</td><td>PartyIDClientID</td><td>N</td><td>8</td><td>40</td><td>unsigned int</td><td>MiFID field: Client Identifier field (ESMA Field 3 (Section A))used to identify the client of an order for agent account of the member or participant of the trading venue. If the Client Identifier field is not provided for agent orders, then they will be rejected. For orders sent with Trading Capacity Proprietary or Market Making, the Client Identifier field may remain empty.</td></tr>
<tr><td>25123</td><td>ExecutingTrader</td><td>N</td><td>8</td><td>48</td><td>unsigned int</td><td>MiFID field: Executing Trader data Field(ESMA Field 5 (Section A))used to identify the person or algorithm within the member or participant of the trading venue who is responsible for the execution of the transaction resulting from the order.</td></tr>
<tr><td>28744</td><td>MatchInstCrossID</td><td>N</td><td>4</td><td>56</td><td>unsigned int</td><td>Self Match Prevention ID.</td></tr>
<tr><td>432</td><td>ExpireDate</td><td>N</td><td>4</td><td>60</td><td>LocalMktDate</td><td>Date of order expiry. Required if TimeInForce (59) = 6.</td></tr>
<tr><td>625</td><td>TradingSessionSubID</td><td>N</td><td>1</td><td>64</td><td>unsigned int</td><td>Marks a certain order to be included in a defined auction.<table><tr><th>Value</th><th>Description</th></tr><tr><td>2</td><td>Opening or opening auction</td></tr><tr><td>4</td><td>Closing or closing auction</td></tr><tr><td>8</td><td>Any auction</td></tr></table></td></tr>
<tr><td>2964</td><td>SelfMatchPrevention-Instruction</td><td>N</td><td>1</td><td>65</td><td>unsigned int</td><td>Indicate the instruction for SMP. If MatchInstCrossID (28744) is set then the default value for SelfMatch-PreventionInstruction is 100(Reject cross on business unit level)<table><tr><th>Value</th><th>Description</th></tr><tr><td>100</td><td>Reject cross on business unit level</td></tr><tr><td>101</td><td>Reject cross on market level</td></tr></table></td></tr>
</table>

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>31625</td><td>CrossMatchInstruction</td><td>N</td><td>1</td><td>66</td><td>unsigned int</td><td>Indicate the instruction for SMP. Applicable only when MatchInstCrossID (28744) is set. When CrossMatchInstruction is not set the default value is defined by the exchange<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Cancel incoming order</td></tr><tr><td>2</td><td>Cancel resting order</td></tr><tr><td>3</td><td>Reduce/Cancel both incoming and resting order</td></tr></table></td></tr>
<tr><td>28703</td><td>ApplSeqIndicator</td><td>Y</td><td>1</td><td>67</td><td>unsigned int</td><td>Indicates if the order is a Lean Order or a Standard Order.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>No Recovery Required</td></tr><tr><td>1</td><td>Recovery Required</td></tr></table></td></tr>
<tr><td>40</td><td>OrdType</td><td>Y</td><td>1</td><td>68</td><td>unsigned int</td><td>Order type.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Market</td></tr><tr><td>2</td><td>Limit</td></tr><tr><td>3</td><td>Stop</td></tr><tr><td>4</td><td>Stop Limit</td></tr></table></td></tr>
<tr><td>28710</td><td>PriceValidityCheckType</td><td>Y</td><td>1</td><td>69</td><td>unsigned int</td><td>Indicator how price validity check should be performed by the exchange(see the ETI Manual, chapter Price Reasonability Check).<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>None</td></tr><tr><td>1</td><td>Optional</td></tr><tr><td>2</td><td>Mandatory</td></tr></table></td></tr>
<tr><td>25126</td><td>ValueCheckTypeValue</td><td>Y</td><td>1</td><td>70</td><td>unsigned int</td><td>Indicator for checking the maximum order/quote value by the exchange.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Do not check</td></tr><tr><td>1</td><td>Check</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1724	OrderOrigination	N	1	71	unsigned int	MiFID field: Field to indicate order received from a direct access or sponsored access customer Value: 5 – Order received from a direct access customer Value: 105 – Order received from a sponsored access customer
20096	PartyIDTakeUp-TradingFirm	N	5	72	Fixed String	Take-up Member Short Name. Valid characters: A-Z, 0-9, \x20
20013	PartyIDOrder-OriginationFirm	N	7	77	Fixed String	External Member ID. Valid characters: A-Z, 0-9, \x20
20032	PartyIDBeneficiary	N	9	84	Fixed String	Final Beneficiary. Valid characters: A-Z, 0-9, \x20
1	Account	N	2	93	Fixed String	Accounts to book trades and keep positions on. Valid characters: 1-9, \x41, \x47, \x49, \x4D, \x50, \x52
20038	PartyIDPosition-Account	N	32	95	Fixed String	'Flexible Account' information. Valid characters: \x20, \x30-\x39, \x41-\x5A
77	PositionEffect	N	1	127	char	Field is used for T7 position management purposes and indicates whether the order is submitted to open or close a position. Value: C – Close Value: O – Open
20075	PartyIDLocationID	N	2	128	Fixed String	Country code. Will be set to "XX" for non-capital letters. Valid characters: \x01-\x7E

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1031</td><td>CustOrderHandling-Inst</td><td>N</td><td>1</td><td>130</td><td>Fixed String</td><td>Identifies the source of an order, in accordance with the FIA guidelines for a rate Identifier.The field is for participant use only.<table><tr><td>Value</td><td>Description</td></tr><tr><td>W</td><td>Desk</td></tr><tr><td>Y</td><td>Electronic</td></tr><tr><td>C</td><td>Vendor-provided Platform billed by Executing Broker</td></tr><tr><td>G</td><td>Sponsored Access via Exchange API or FIX provided by Executing Broker</td></tr><tr><td>H</td><td>Premium Algorithmic Trading Provider billed by Executing Broker</td></tr><tr><td>D</td><td>Other, including Other-provided Screen</td></tr><tr><td>*</td><td>More values</td></tr></table></td></tr>
<tr><td>2404</td><td>ComplianceText</td><td>N</td><td>20</td><td>131</td><td>Fixed String</td><td>This field is used to provide additional regulatory information (according to respective rules & regs, circulars and/or bilateral coordination between participant and Trading Surveillance Office).
Valid characters: \x20, \x22-\x7B, \x7D, \x7E</td></tr>
<tr><td>25007</td><td>FreeText1</td><td>N</td><td>12</td><td>151</td><td>Fixed String</td><td>First free-format text field for trader specific or customer-related comments
Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E</td></tr>
<tr><td>25008</td><td>FreeText2</td><td>N</td><td>12</td><td>163</td><td>Fixed String</td><td>Second free-format text field for trader specific or customer-related comments
Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E</td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25009	FreeText3	N	12	175	Fixed String	Third free-format text field for trader-specific or customer-related comments. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
30011	FIXClOrdID	N	20	187	Fixed String	User defined client order ID Valid characters: \x20-\x7E
25241	PartyEndClient-Identification	N	20	207	Fixed String	End client identifier. Valid characters: A-Z, 0-9, \x20, \x5F
25124	ExecutingTrader-Qualifier	Y	1	227	unsigned int	MiFID field: Qualifier for field ExecutingTrader. It is required to distinguish between natural persons and Algos. Value: 22 = Algo; 24 = Human/Natural person
21222	PartyIdInvestment-DecisionMaker-Qualifier	N	1	228	unsigned int	MiFID field: Qualifier for field PartyIdInvestmentDecisionMaker. Members/participants will have the possibility to specify an Investment qualifier value to distinguish between natural persons and Algos. Value: 22 = Algo; 24 = Human/Natural person
23003	OrderAttributeRisk-Reduction	N	1	229	unsigned int	MiFID field: Indication as to whether the transaction reduces risk in an objectively measurable way in accordance with Article 57 of Directive 2014/EU. The field is only applicable for commodity derivative transactions. Value: 1 = Risk reduction; 0 = No risk reduction
39022	Pad2_2	U	2	230	Fixed String	not used

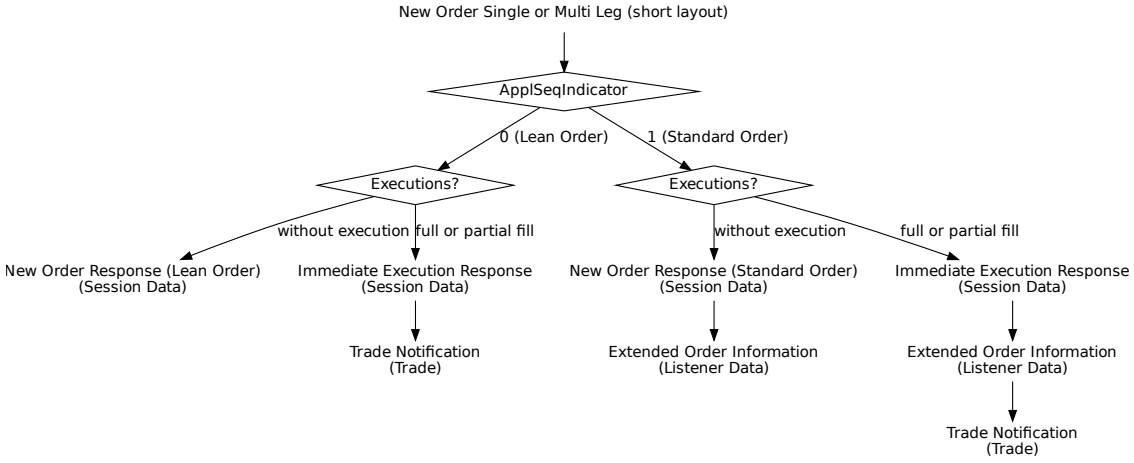
<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>20122</td><td>PartyIdInvestment-DecisionMaker</td><td>N</td><td>8</td><td>232</td><td>unsigned int</td><td>MiFID field: Investment decision within firm (ESMA Field 4 (Section A)) is the code used to identify the person or the algorithm within the member or participant of the Trading Venue who is responsible for the investment decision.</td></tr>
<tr><td>23002</td><td>OrderAttribute-LiquidityProvision</td><td>Y</td><td>1</td><td>240</td><td>unsigned int</td><td>MiFID field: Indication as to whether an order is submitted to a Trading Venue as part of a market making strategy.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Liquidity provision</td></tr><tr><td>0</td><td>No liquidity provision</td></tr></table></td></tr>
<tr><td>1815</td><td>TradingCapacity</td><td>Y</td><td>1</td><td>241</td><td>unsigned int</td><td>This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Customer (Agency)</td></tr><tr><td>5</td><td>Principal (Proprietary)</td></tr><tr><td>6</td><td>Market Maker</td></tr></table></td></tr>
<tr><td>1227</td><td>ProductComplex</td><td>Y</td><td>1</td><td>242</td><td>unsigned int</td><td>This field qualifies an instrument type on T7.<table><tr><th>Value</th><th>Description</th></tr><tr><td>2</td><td>Standard Option Strategy</td></tr><tr><td>3</td><td>Non-Standard Option Strategy</td></tr><tr><td>4</td><td>Volatility Strategy</td></tr><tr><td>5</td><td>Futures Spread</td></tr><tr><td>6</td><td>Inter-Product Spread</td></tr><tr><td>7</td><td>Standard Future Strategy</td></tr><tr><td>8</td><td>Pack and Bundle</td></tr><tr><td>9</td><td>Strip</td></tr><tr><td>11</td><td>Commodity Strip</td></tr><tr><td>1</td><td>Simple instrument</td></tr><tr><td>12</td><td>Scaled Simple Instrument</td></tr><tr><td>13</td><td>Non-Standard Volatility Strategy</td></tr><tr><td>14</td><td>Total Return Future Strategy</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
28555	NoLegOnbooks	Y	1	243	Counter	Number of InstrumentLeg repeating group instances. (only for on-book trades)
1300	MarketSegmentID	Y	4	244	signed int	Product identifier.
48	SecurityID	Y	8	248	signed int	Instrument identifier.
38	OrderQty	Y	8	256	Qty	Total Order Quantity.
44	Price	N	8	264	PriceType	Limit price. Required if OrdType (40) is Limit (2) or Stop Limit (4).
54	Side	Y	1	272	unsigned int	Side of the order. Value: 1 = Buy; 2 = Sell
18	ExecInst	Y	1	273	unsigned int	Instructions for order handling. Value: 1 = Persistent Order (FIX value 'H'); 2 = Non-persistent Order (FIX value 'Q'); 5 = Persistent and Book or Cancel order (FIX value 'H 6'); 6 = Non-persistent and Book or Cancel order (FIX value 'Q 6')
59	TimeInForce	Y	1	274	unsigned int	Execution and trading restriction parameters supported by T7. Value: 0 = Day (GFD); 1 = Good Till Cancelled (GTC) - Standard Orders only; 3 = Immediate or Cancel (IOC); 4 = Fill Or Kill (FOK); 6 = Good Till Date (GTD) - Standard Orders only
39000	Pad1	U	1	275	Fixed String	not used
30010	CheckSumCorrection	N	2	276	unsigned int	
39023	Pad2_3	U	2	278	Fixed String	not used
<LegOrdGrp> Cardinality: 0 - 144, Record counter: NoLegOnbooks						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
2680	>LegAccount	N	2	280	Fixed String	Leg-specific account to book trades and keep positions on. Valid characters: 1-9, \x41, \x47, \x4D, \x50
564	>LegPositionEffect	Y	1	282	char	Leg-specific field used for T7 position management purposes and indicates whether the leg is submitted to open or close a position. Value: C = Close; O = Open
39050	>Pad5	U	5	283	Fixed String	not used

6.2 New Order Single or Multi Leg (short layout)

This short order message layout is used by the participant to submit an order in a Single or Multi Leg instrument. For more details, please refer to the ETI Manual, chapter Short Order Message Layouts. This message is sent to the service "Order and Quote Management".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10139 (NewOrderSingle, MsgType = D)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
11	ClOrdID	Y	8	24	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
20003	PartyIDClientID	N	8	32	unsigned int	MiFID field: Client Identifier field (ESMA Field 3 (Section A))used to identify the client of an order for agent account of the member or participant of the trading venue. If the Client Identifier field is not provided for agent orders, then they will be rejected. For orders sent with Trading Capacity Proprietary or Market Making, the Client Identifier field may remain empty.
25123	ExecutingTrader	N	8	40	unsigned int	MiFID field: Executing Trader data Field(ESMA Field 5 (Section A))used to identify the person or algorithm within the member or participant of the trading venue who is responsible for the execution of the transaction resulting from the order.
28744	MatchInstCrossID	N	4	48	unsigned int	Self Match Prevention ID.
28703	ApplSeqIndicator	Y	1	52	unsigned int	Indicates if the order is a Lean Order or a Standard Order. Value: 0 = No Recovery Required; 1 = Recovery Required
28710	PriceValidityCheck-Type	Y	1	53	unsigned int	Indicator how price validity check should be performed by the exchange(see the ETI Manual, chapter Price Reasonability Check). Value: 0 = None; 1 = Optional; 2 = Mandatory
25126	ValueCheckTypeValue	Y	1	54	unsigned int	Indicator for checking the maximum order/quote value by the exchange. Value: 0 = Do not check; 1 = Check

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1815</td><td>TradingCapacity</td><td>Y</td><td>1</td><td>55</td><td>unsigned int</td><td>This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Customer (Agency)</td></tr><tr><td>5</td><td>Principal (Proprietary)</td></tr><tr><td>6</td><td>Market Maker</td></tr></table></td></tr>
<tr><td>1724</td><td>OrderOrigination</td><td>N</td><td>1</td><td>56</td><td>unsigned int</td><td>MiFID field: Field to indicate order received from a direct access or sponsored access customer<table><tr><th>Value</th><th>Description</th></tr><tr><td>5</td><td>Order received from a direct access customer</td></tr><tr><td>105</td><td>Order received from a sponsored access customer</td></tr></table></td></tr>
<tr><td>25124</td><td>ExecutingTrader-Qualifier</td><td>Y</td><td>1</td><td>57</td><td>unsigned int</td><td>MiFID field: Qualifier for field ExecutingTrader. It is required to distinguish between natural persons and Algos.<table><tr><th>Value</th><th>Description</th></tr><tr><td>22</td><td>Algo</td></tr><tr><td>24</td><td>Human/Natural person</td></tr></table></td></tr>
<tr><td>21222</td><td>PartyIdInvestment-DecisionMaker-Qualifier</td><td>N</td><td>1</td><td>58</td><td>unsigned int</td><td>MiFID field: Qualifier for field PartyIdInvestmentDecisionMaker. Members/participants will have the possibility to specify an Investment qualifier value to distinguish between natural persons and Algos.<table><tr><th>Value</th><th>Description</th></tr><tr><td>22</td><td>Algo</td></tr><tr><td>24</td><td>Human/Natural person</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
2404	ComplianceText	N	20	59	Fixed String	This field is used to provide additional regulatory information (according to respective rules & regs, circulars and/or bilateral coordination between participant and Trading Surveillance Office). Valid characters: \x20, \x22-\x7B, \x7D, \x7E
39000	Pad1	U	1	79	Fixed String	not used
20122	PartyIdInvestment-DecisionMaker	N	8	80	unsigned int	MiFID field: Investment decision within firm (ESMA Field 4 (Section A)) is the code used to identify the person or the algorithm within the member or participant of the Trading Venue who is responsible for the investment decision.
25033	EnrichmentRuleID	N	2	88	unsigned int	Identifies an enrichment rule.
23002	OrderAttribute-LiquidityProvision	Y	1	90	unsigned int	MiFID field: Indication as to whether an order is submitted to a Trading Venue as part of a market making strategy. Value: 1 – Liquidity provision Value: 0 – No liquidity provision
1227	ProductComplex	Y	1	91	unsigned int	This field qualifies an instrument type on T7. Value: 1 – Simple instrument Value: 2 – Standard Option Strategy Value: 3 – Non-Standard Option Strategy Value: 4 – Volatility Strategy Value: 5 – Futures Spread Value: 6 – Inter-Product Spread Value: 7 – Standard Future Strategy Value: 8 – Pack and Bundle Value: 9 – Strip Value: 11 – Commodity Strip Value: 13 – Non-Standard Volatility Strategy Value: 14 – Total Return Future Strategy

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
2964	SelfMatchPrevention-Instruction	N	1	92	unsigned int	Indicate the instruction for SMP. If MatchInstCrossID (28744) is set then the default value for SelfMatch-PreventionInstruction is 100(Reject cross on business unit level) Value: 100 – Reject cross on business unit level; 101 – Reject cross on market level
31625	CrossMatchInstruction	N	1	93	unsigned int	Indicate the instruction for SMP. Applicable only when MatchInstCrossID (28744) is set. When CrossMatch-Instruction is not set the default value is defined by the exchange Value: 1 – Cancel incoming order; 2 – Cancel resting order; 3 – Reduce/Cancel both incoming and resting order
39021	Pad2_1	U	2	94	Fixed String	not used
1300	MarketSegmentID	Y	4	96	signed int	Product identifier.
39041	Pad4_1	U	4	100	Fixed String	not used
48	SecurityID	Y	8	104	signed int	Instrument identifier.
38	OrderQty	Y	8	112	Qty	Total Order Quantity.
44	Price	Y	8	120	PriceType	Limit price. Required if OrdType (40) is Limit (2) or Stop Limit (4).
54	Side	Y	1	128	unsigned int	Side of the order. Value: 1 – Buy; 2 – Sell

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>18</td><td>ExecInst</td><td>Y</td><td>1</td><td>129</td><td>unsigned int</td><td>Instructions for order handling.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Persistent Order (FIX value 'H')</td></tr><tr><td>2</td><td>Non-persistent Order (FIX value 'Q')</td></tr><tr><td>5</td><td>Persistent and Book or Cancel order (FIX value 'H 6')</td></tr><tr><td>6</td><td>Non-persistent and Book or Cancel order (FIX value 'Q 6')</td></tr></table></td></tr>
<tr><td>59</td><td>TimeInForce</td><td>Y</td><td>1</td><td>130</td><td>unsigned int</td><td>Execution and trading restriction parameters supported by T7.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Day (GFD)</td></tr><tr><td>1</td><td>Good Till Cancelled (GTC) - Standard Orders only</td></tr><tr><td>3</td><td>Immediate or Cancel (IOC)</td></tr><tr><td>4</td><td>Fill Or Kill (FOK)</td></tr></table></td></tr>
<tr><td>39001</td><td>Pad1_1</td><td>U</td><td>1</td><td>131</td><td>Fixed String</td><td>not used</td></tr>
<tr><td>30010</td><td>CheckSumCorrection</td><td>N</td><td>2</td><td>132</td><td>unsigned int</td><td></td></tr>
<tr><td>39020</td><td>Pad2</td><td>U</td><td>2</td><td>134</td><td>Fixed String</td><td>not used</td></tr>
</table>

6.3 New Order Response (Standard Order)

This message confirms a New Order request for a Standard Order. For more details, please refer to the ETI Manual, chapter Order Status and Execution Reports.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10101 (ExecutionReport, MsgType = 8)
39020	Pad2	U	2	6	Fixed String	not used
<ResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	Y	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	Y	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
5948	PartitionID	Y	2	52	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1180	ApplID	Y	1	54	unsigned int	Identifier for an ETI data stream. Value: 4 — Description: Session Data
28704	ApplMsgID	N	16	55	data	Application message identifier assigned to an order or quote event.
893	LastFragment	Y	1	71	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 0 — Description: Not Last Message Value: 1 — Description: Last Message
<MessageBody>						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
37	OrderID	Y	8	72	unsigned int	Exchange Order ID generated by the T7 System; it remains constant over the lifetime of an order.
11	ClOrdID	N	8	80	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.
48	SecurityID	Y	8	88	signed int	Instrument identifier.
17	ExecID	Y	8	96	UTCTimestamp	Transaction timestamp.
151	LeavesQty	Y	8	104	Qty	Remaining quantity of an order.
84	CxlQty	Y	8	112	Qty	Total quantity cancelled for this order.
21009	TrdRegTSEntryTime	Y	8	120	UTCTimestamp	The entry timestamp is the time of the creation of the order.
21008	TrdRegTSTime-Priority	Y	8	128	UTCTimestamp	Priority timestamp.
39	OrdStatus	Y	1	136	char	Conveys the current status of an order. Value: 0 = New; 4 = Cancelled; 9 = Suspended
150	ExecType	Y	1	137	char	The reason why this message was generated. Value: 0 = New; 4 = Cancelled; L = Triggered
378	ExecRestatement-Reason	Y	2	138	unsigned int	Code to further qualify the field ExecType (150) of the Execution Report (8) message. Value: 101 = Order add accepted; 105 = IOC Order accepted; 212 = Book or Cancel Order accepted; 107 = FOK Order accepted; 114 = Order has been changed to IOC

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>2523</td><td>CrossedIndicator</td><td>Y</td><td>1</td><td>140</td><td>unsigned int</td><td>Indicates SMP involvement.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>No crossing (Order not subject to crossing)</td></tr><tr><td>1</td><td>Cross rejected (Order subject to crossing and match prevented)</td></tr></table></td></tr>
<tr><td>1227</td><td>ProductComplex</td><td>Y</td><td>1</td><td>141</td><td>unsigned int</td><td>This field qualifies an instrument type on T7.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Simple instrument</td></tr><tr><td>2</td><td>Standard Option Strategy</td></tr><tr><td>3</td><td>Non-Standard Option Strategy</td></tr><tr><td>4</td><td>Volatility Strategy</td></tr><tr><td>5</td><td>Futures Spread</td></tr><tr><td>6</td><td>Inter-Product Spread</td></tr><tr><td>7</td><td>Standard Future Strategy</td></tr><tr><td>8</td><td>Pack and Bundle</td></tr><tr><td>9</td><td>Strip</td></tr><tr><td>11</td><td>Commodity Strip</td></tr><tr><td>12</td><td>Scaled Simple Instrument</td></tr><tr><td>13</td><td>Non-Standard Volatility Strategy</td></tr><tr><td>14</td><td>Total Return Future Strategy</td></tr></table></td></tr>
<tr><td>1823</td><td>Triggered</td><td>Y</td><td>1</td><td>142</td><td>unsigned int</td><td>Indicates if an order has been previously triggered.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Not Triggered</td></tr><tr><td>1</td><td>Triggered Stop</td></tr><tr><td>2</td><td>Triggered OCO</td></tr></table></td></tr>
<tr><td>25159</td><td>TransactionDelay-Indicator</td><td>Y</td><td>1</td><td>143</td><td>unsigned int</td><td>Indicator for a delayed transaction.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Transaction not delayed</td></tr><tr><td>1</td><td>Transaction delayed</td></tr></table></td></tr>
<tr><td>28790</td><td>NoOrderEvents</td><td>Y</td><td>1</td><td>144</td><td>Counter</td><td>Number of order events</td></tr>
<tr><td>39070</td><td>Pad7</td><td>U</td><td>7</td><td>145</td><td>Fixed String</td><td>not used</td></tr>
<tr><td colspan="7"><OrderEventGrp> Cardinality: 0 - 100, Record counter: NoOrderEvents</td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1799	>OrderEventPx	N	8	152	PriceType	Price level for the order event.
1800	>OrderEventQty	Y	8	160	Qty	Quantity for the order event.
30060	>OrderEventMatchID	N	4	168	unsigned int	Unique identifier for each price level (match step) of an order event.
1798	>OrderEventReason	Y	1	172	unsigned int	Action that caused the event to occur. Value: 100 — Description: SMP event
39030	>Pad3	U	3	173	Fixed String	not used

6.4 New Order Response (Lean Order)

This message confirms a New Order request for a Lean Order. For more details, please refer to the ETI Manual, chapter Order Status and Execution Reports.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10102 (ExecutionReport, MsgType = 8)
39020	Pad2	U	2	6	Fixed String	not used
<NRResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	Y	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	Y	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
893	LastFragment	Y	1	52	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 0 — Not Last Message Value: 1 — Last Message
39030	Pad3	U	3	53	Fixed String	not used
<MessageBody>						
37	OrderID	Y	8	56	unsigned int	Exchange Order ID generated by the T7 System; it remains constant over the lifetime of an order.
11	ClOrdID	N	8	64	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.
48	SecurityID	Y	8	72	signed int	Instrument identifier.
17	ExecID	Y	8	80	UTCTimestamp	Transaction timestamp.
151	LeavesQty	Y	8	88	Qty	Remaining quantity of an order.
84	CxlQty	Y	8	96	Qty	Total quantity cancelled for this order.

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>39</td><td>OrdStatus</td><td>Y</td><td>1</td><td>104</td><td>char</td><td>Conveys the current status of an order.<table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>New</td></tr><tr><td>4</td><td>Cancelled</td></tr><tr><td>9</td><td>Suspended</td></tr></table></td></tr>
<tr><td>150</td><td>ExecType</td><td>Y</td><td>1</td><td>105</td><td>char</td><td>The reason why this message was generated.<table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>New</td></tr><tr><td>4</td><td>Cancelled</td></tr><tr><td>L</td><td>Triggered</td></tr></table></td></tr>
<tr><td>378</td><td>ExecRestatement-Reason</td><td>Y</td><td>2</td><td>106</td><td>unsigned int</td><td>Code to further qualify the field ExecType (150) of the Execution Report (8) message.<table><tr><td>Value</td><td>Description</td></tr><tr><td>101</td><td>Order add accepted</td></tr><tr><td>105</td><td>IOC Order accepted</td></tr><tr><td>212</td><td>Book or Cancel Order accepted</td></tr><tr><td>107</td><td>FOK Order accepted</td></tr><tr><td>114</td><td>Order has been changed to IOC</td></tr></table></td></tr>
<tr><td>2523</td><td>CrossedIndicator</td><td>Y</td><td>1</td><td>108</td><td>unsigned int</td><td>Indicates SMP involvement.<table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>No crossing (Order not subject to crossing)</td></tr><tr><td>1</td><td>Cross rejected (Order subject to crossing and match prevented)</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1227	ProductComplex	Y	1	109	unsigned int	This field qualifies an instrument type on T7. Value: 1 = Simple instrument; 2 = Standard Option Strategy; 3 = Non-Standard Option Strategy; 4 = Volatility Strategy; 5 = Futures Spread; 6 = Inter-Product Spread; 7 = Standard Future Strategy; 8 = Pack and Bundle; 9 = Strip; 11 = Commodity Strip; 12 = Scaled Simple Instrument; 13 = Non-Standard Volatility Strategy; 14 = Total Return Future Strategy
1823	Triggered	Y	1	110	unsigned int	Indicates if an order has been previously triggered. Value: 0 = Not Triggered; 1 = Triggered Stop; 2 = Triggered OCO
25159	TransactionDelay-Indicator	Y	1	111	unsigned int	Indicator for a delayed transaction. Value: 0 = Transaction not delayed; 1 = Transaction delayed
28790	NoOrderEvents	Y	1	112	Counter	Number of order events
39070	Pad7	U	7	113	Fixed String	not used
<OrderEventGrp> Cardinality: 0-100, Record counter: NoOrderEvents						
1799	>OrderEventPx	N	8	120	PriceType	Price level for the order event.
1800	>OrderEventQty	Y	8	128	Qty	Quantity for the order event.
30060	>OrderEventMatchID	N	4	136	unsigned int	Unique identifier for each price level (match step) of an order event.

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1798</td><td>>OrderEventReason</td><td>Y</td><td>1</td><td>140</td><td>unsigned int</td><td>Action that caused the event to occur.

<table><tr><td>Value</td><td>Description</td></tr><tr><td>100</td><td>SMP event</td></tr></table></td></tr>
<tr><td>39030</td><td>>Pad3</td><td>U</td><td>3</td><td>141</td><td>Fixed String</td><td>not used</td></tr>
</table>

6.5 Immediate Execution Response

This message informs about the immediate execution of an incoming order or the execution of a book order due to a replace request. For more details, please refer to the ETI Manual, chapter Order Status and Execution Reports.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10103 (ExecutionReport, MsgType = 8)
39020	Pad2	U	2	6	Fixed String	not used
<ResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	Y	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	Y	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
5948	PartitionID	Y	2	52	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1180	ApplID	Y	1	54	unsigned int	Identifier for an ETI data stream. Value: 4 — Session Data
28704	ApplMsgID	N	16	55	data	Not set if the submitting session is not the owner of the executed order.
893	LastFragment	Y	1	71	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 0 — Not Last Message Value: 1 — Last Message
<MessageBody>						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
37	OrderID	Y	8	72	unsigned int	Exchange Order ID generated by the T7 System; it remains constant over the lifetime of an order.
11	ClOrdID	N	8	80	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.
41	OrigClOrdID	N	8	88	unsigned int	ClOrdID (11) of the last successfully processed task (request) referring to the specific order.
48	SecurityID	Y	8	96	signed int	Instrument identifier.
17	ExecID	Y	8	104	UTCTimestamp	Transaction timestamp.
21009	TrdRegTSEntryTime	N	8	112	UTCTimestamp	The entry timestamp is the time of the creation of the order.
21008	TrdRegTSTime-Priority	N	8	120	UTCTimestamp	Priority timestamp.
151	LeavesQty	Y	8	128	Qty	Remaining quantity of an order.
14	CumQty	Y	8	136	Qty	Cumulated executed quantity of an order.
84	CxlQty	Y	8	144	Qty	Total quantity cancelled for this order.
1300	MarketSegmentID	Y	4	152	signed int	Product identifier.
30555	NoLegExecs	Y	2	156	Counter	Number of InstrmntLegExec repeating group instances.
378	ExecRestatement-Reason	Y	2	158	unsigned int	Code to further qualify the field ExecType (150) of the Execution Report (8) message. Value: 101 – Order add accepted; 102 – Order modify accepted; 105 – IOC Order accepted; 107 – FOK Order accepted; 181 – Ownership Changed; 114 – Order has been changed to IOC
54	Side	Y	1	160	unsigned int	Side of the order. Value: 1 – Buy; 2 – Sell

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1227</td><td>ProductComplex</td><td>Y</td><td>1</td><td>161</td><td>unsigned int</td><td>This field qualifies an instrument type on T7.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Simple instrument</td></tr><tr><td>2</td><td>Standard Option Strategy</td></tr><tr><td>3</td><td>Non-Standard Option Strategy</td></tr><tr><td>4</td><td>Volatility Strategy</td></tr><tr><td>5</td><td>Futures Spread</td></tr><tr><td>6</td><td>Inter-Product Spread</td></tr><tr><td>7</td><td>Standard Future Strategy</td></tr><tr><td>8</td><td>Pack and Bundle</td></tr><tr><td>9</td><td>Strip</td></tr><tr><td>11</td><td>Commodity Strip</td></tr><tr><td>12</td><td>Scaled Simple Instrument</td></tr><tr><td>13</td><td>Non-Standard Volatility Strategy</td></tr><tr><td>14</td><td>Total Return Future Strategy</td></tr></table></td></tr>
<tr><td>39</td><td>OrdStatus</td><td>Y</td><td>1</td><td>162</td><td>char</td><td>Conveys the current status of an order.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Partially filled</td></tr><tr><td>2</td><td>Filled</td></tr><tr><td>4</td><td>Cancelled</td></tr></table></td></tr>
<tr><td>150</td><td>ExecType</td><td>Y</td><td>1</td><td>163</td><td>char</td><td>The reason why this message was generated.<table><tr><td>Value</td><td>Description</td></tr><tr><td>F</td><td>Trade</td></tr></table></td></tr>
<tr><td>1823</td><td>Triggered</td><td>Y</td><td>1</td><td>164</td><td>unsigned int</td><td>Indicates if an order has been previously triggered.<table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>Not Triggered</td></tr><tr><td>1</td><td>Triggered Stop</td></tr><tr><td>2</td><td>Triggered OCO</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
2523	CrossedIndicator	Y	1	165	unsigned int	Indicates SMP involvement. Value: 0 – No crossing (Order not subject to crossing) Value: 1 – Cross rejected (Order subject to crossing and match prevented)
25159	TransactionDelay-Indicator	Y	1	166	unsigned int	Indicator for a delayed transaction. Value: 0 – Transaction not delayed Value: 1 – Transaction delayed
1362	NoFills	Y	1	167	Counter	Specifies the number of partial fills included in this Execution Report.
28790	NoOrderEvents	Y	1	168	Counter	Number of order events
39070	Pad7	U	7	169	Fixed String	not used
<FillsGrp> Cardinality: 0-100, Record counter: NoFills						
1364	>FillPx	Y	8	176	PriceType	Price of Fill.
1365	>FillQty	Y	8	184	Qty	Quantity of Fill.
28708	>FillMatchID	Y	4	192	unsigned int	Unique identifier for each price level (match step) of a match event; it is used for public trade reporting.
1363	>FillExecID	Y	4	196	signed int	Private identifier of an order match step event, which can be reconciled with the field SideTradeID (1506) in the Trade Notification.
1443	>FillLiquidityInd	N	1	200	unsigned int	Indicates whether the order added or removed liquidity. Required only for execution reports generated for fills. Value: 2 – Removed Liquidity Value: 5 – Triggered Stop Order
39070	>Pad7	U	7	201	Fixed String	not used
<InstrmntLegExecGrp> Cardinality: 0-600, Record counter: NoLegExecs						
602	>LegSecurityID	Y	8	0	signed int	Instrument identifier of the leg security.
637	>LegLastPx	Y	8	8	PriceType	Price of this leg fill.
1418	>LegLastQty	Y	8	16	Qty	Quantity executed in this leg fill.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1893	>LegExecID	Y	4	24	signed int	Private identifier of a leg match step, which can be reconciled with the field SideTradeID (1506) in the Trade Notification.
624	>LegSide	N	1	28	unsigned int	The side of the individual leg of a strategy as defined in its signature. LegSide should always be mandatory, except for Scaled Simple Instrument, LegSide should be empty. Value: 1 = Buy; 2 = Sell
2421	>FillRefID	Y	1	29	unsigned int	Reference to the corresponding FillsGrp repeating group instance.
39020	>Pad2	U	2	30	Fixed String	not used
<OrderEventGrp> Cardinality: 0-100, Record counter: NoOrderEvents						
1799	>OrderEventPx	N	8	0	PriceType	Price level for the order event.
1800	>OrderEventQty	Y	8	8	Qty	Quantity for the order event.
30060	>OrderEventMatchID	Y	4	16	unsigned int	Unique identifier for each price level (match step) of an order event.
1798	>OrderEventReason	Y	1	20	unsigned int	Action that caused the event to occur. Value: 100 = SMP event
39030	>Pad3	U	3	21	Fixed String	not used

6.6 Book Order Execution

This message informs about the execution of a resting book order. For more details, please refer to the ETI Manual, chapter Order Status and Execution Reports.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10104 (ExecutionReport, MsgType = 8)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeaderME>						
21003	TrdRegTSTimeOut	N	8	8	UTCTimestamp	Matching engine out timestamp.
25043	NotificationIn	N	8	16	UTCTimestamp	Timestamp the gateway receives a notification message from the Matching Engine.
52	SendingTime	Y	8	24	UTCTimestamp	Outgoing timestamp; filled always by the gateway
28727	ApplSubID	U	4	32	unsigned int	not used
5948	PartitionID	Y	2	36	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
28704	ApplMsgID	Y	16	38	data	Application message identifier assigned to an order or quote event.
1180	ApplID	Y	1	54	unsigned int	Identifier for an ETI data stream. Value: 4 — Session Data
1352	ApplResendFlag	Y	1	55	unsigned int	Indicates a retransmission message. Value: 0 — False Value: 1 — True
893	LastFragment	Y	1	56	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 0 — Not Last Message Value: 1 — Last Message
39070	Pad7	U	7	57	Fixed String	not used
<MessageBody>						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
37	OrderID	Y	8	64	unsigned int	Exchange Order ID generated by the T7 System; it remains constant over the lifetime of an order.
11	ClOrdID	N	8	72	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.
41	OrigClOrdID	N	8	80	unsigned int	ClOrdID (11) of the last successfully processed task (request) referring to the specific order.
48	SecurityID	Y	8	88	signed int	Instrument identifier.
17	ExecID	Y	8	96	UTCTimestamp	Transaction timestamp.
151	LeavesQty	Y	8	104	Qty	Remaining quantity of an order.
14	CumQty	Y	8	112	Qty	Cumulated executed quantity of an order.
84	CxlQty	Y	8	120	Qty	Total quantity cancelled for this order.
1300	MarketSegmentID	Y	4	128	signed int	Product identifier.
2424	MassOrderReportID	N	4	132	unsigned int	Mass order response identifier generated by the exchange
30555	NoLegExecs	Y	2	136	Counter	Number of InstrmntLegExec repeating group instances.
378	ExecRestatement-Reason	Y	2	138	unsigned int	Code to further qualify the field ExecType (150) of the Execution Report (8) message.

Value	Description
101	Order add accepted
108	Book Order executed
135	Market Order triggered and executed
164	One-cancels-the-other Order has been triggered
172	Stop Order has been triggered
150	Closing Auction Order has been inactivated
152	Opening Auction Order has been inactivated
154	Any Auction Order has been inactivated
199	Pending order cancellation processed (end of FREEZE state)
181	Ownership Changed

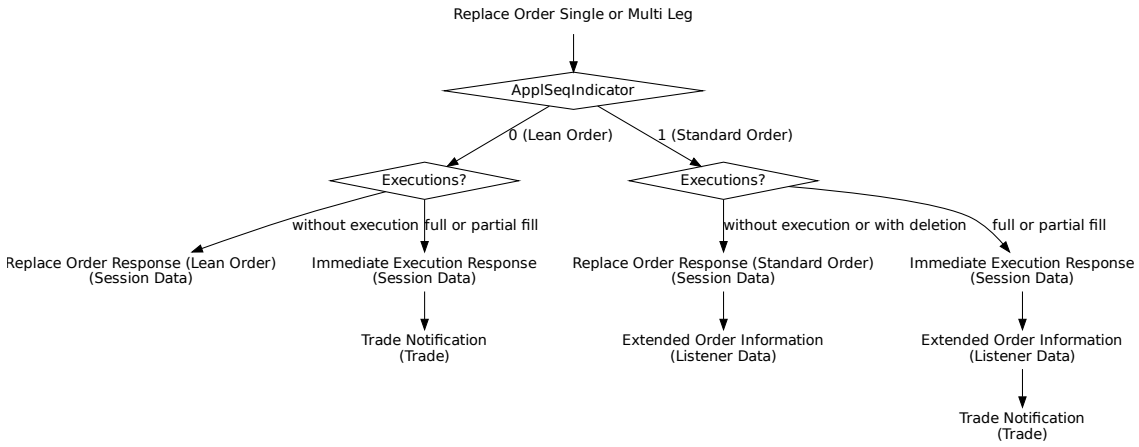
<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>54</td><td>Side</td><td>Y</td><td>1</td><td>140</td><td>unsigned int</td><td>Side of the order.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Buy</td></tr><tr><td>2</td><td>Sell</td></tr></table></td></tr>
<tr><td>1227</td><td>ProductComplex</td><td>Y</td><td>1</td><td>141</td><td>unsigned int</td><td>This field qualifies an instrument type on T7.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Simple instrument</td></tr><tr><td>2</td><td>Standard Option Strategy</td></tr><tr><td>3</td><td>Non-Standard Option Strategy</td></tr><tr><td>4</td><td>Volatility Strategy</td></tr><tr><td>5</td><td>Futures Spread</td></tr><tr><td>6</td><td>Inter-Product Spread</td></tr><tr><td>7</td><td>Standard Future Strategy</td></tr><tr><td>8</td><td>Pack and Bundle</td></tr><tr><td>9</td><td>Strip</td></tr><tr><td>11</td><td>Commodity Strip</td></tr><tr><td>12</td><td>Scaled Simple Instrument</td></tr><tr><td>13</td><td>Non-Standard Volatility Strategy</td></tr><tr><td>14</td><td>Total Return Future Strategy</td></tr></table></td></tr>
<tr><td>39</td><td>OrdStatus</td><td>Y</td><td>1</td><td>142</td><td>char</td><td>Conveys the current status of an order.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Partially filled</td></tr><tr><td>2</td><td>Filled</td></tr><tr><td>9</td><td>Suspended</td></tr><tr><td>4</td><td>Cancelled</td></tr></table></td></tr>
<tr><td>150</td><td>ExecType</td><td>Y</td><td>1</td><td>143</td><td>char</td><td>The reason why this message was generated.<table><tr><td>Value</td><td>Description</td></tr><tr><td>F</td><td>Trade</td></tr><tr><td>9</td><td>Suspended</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1823	Triggered	Y	1	144	unsigned int	Indicates if an order has been previously triggered. Value: 0 = Not Triggered; 1 = Triggered Stop; 2 = Triggered OCO
2523	CrossedIndicator	Y	1	145	unsigned int	Indicates SMP involvement. Value: 0 = No crossing (Order not subject to crossing); 1 = Cross rejected (Order subject to crossing and match prevented)
30011	FIXClOrdID	N	20	146	Fixed String	User defined client order ID Valid characters: \x20-\x7E
1362	NoFills	Y	1	166	Counter	Specifies the number of partial fills included in this Execution Report.
28790	NoOrderEvents	Y	1	167	Counter	Number of order events
<FillsGrp> Cardinality: 0-100, Record counter: NoFills						
1364	>FillPx	Y	8	168	PriceType	Price of Fill.
1365	>FillQty	Y	8	176	Qty	Quantity of Fill.
28708	>FillMatchID	Y	4	184	unsigned int	Unique identifier for each price level (match step) of a match event; it is used for public trade reporting.
1363	>FillExecID	Y	4	188	signed int	Private identifier of an order match step event, which can be reconciled with the field SideTradeID (1506) in the Trade Notification.
1443	>FillLiquidityInd	N	1	192	unsigned int	Indicates whether the order added or removed liquidity. Required only for execution reports generated for fills. Value: 1 = Added Liquidity; 4 = Auction; 5 = Triggered Stop Order; 6 = Triggered OCO Order; 7 = Triggered Market Order
39070	>Pad7	U	7	193	Fixed String	not used
<InstrmntLegExecGrp> Cardinality: 0-600, Record counter: NoLegExecs						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
602	>LegSecurityID	Y	8	0	signed int	Instrument identifier of the leg security.
637	>LegLastPx	Y	8	8	PriceType	Price of this leg fill.
1418	>LegLastQty	Y	8	16	Qty	Quantity executed in this leg fill.
1893	>LegExecID	Y	4	24	signed int	Private identifier of a leg match step, which can be reconciled with the field SideTradeID (1506) in the Trade Notification.
624	>LegSide	N	1	28	unsigned int	The side of the individual leg of a strategy as defined in its signature. LegSide should always be mandatory, except for Scaled Simple Instrument, LegSide should be empty. Value: 1 = Buy; 2 = Sell
2421	>FillRefID	Y	1	29	unsigned int	Reference to the corresponding FillsGrp repeating group instance.
39020	>Pad2	U	2	30	Fixed String	not used
<OrderEventGrp> Cardinality: 0-100, Record counter: NoOrderEvents						
1799	>OrderEventPx	N	8	0	PriceType	Price level for the order event.
1800	>OrderEventQty	Y	8	8	Qty	Quantity for the order event.
30060	>OrderEventMatchID	Y	4	16	unsigned int	Unique identifier for each price level (match step) of an order event.
1798	>OrderEventReason	Y	1	20	unsigned int	Action that caused the event to occur. Value: 100 = SMP event
39030	>Pad3	U	3	21	Fixed String	not used

6.7 Replace Order Single or Multi Leg

This message is used to replace an existing order in a Single or Multi Leg instrument. For more details, please refer to the ETI Manual, chapters Modification and Total Order Quantity Modification. This message is sent to the service "Order and Quote Management".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10140 (OrderCancelReplaceRequest, MsgType = G)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
37	OrderID	N	8	24	unsigned int	Exchange Order ID generated by the T7 System; it remains constant over the lifetime of an order.
11	ClOrdID	N	8	32	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.
41	OrigClOrdID	N	8	40	unsigned int	ClOrdID (11) of the last successfully processed task (request) referring to the specific order.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
99	StopPx	N	8	48	PriceType	Stop price. Required if OrdType (40) is Stop (3) or used as the trigger price for an One-cancels-the-other order.
20003	PartyIDClientID	N	8	56	unsigned int	MiFID field: Client Identifier field (ESMA Field 3 (Section A))used to identify the client of an order for agent account of the member or participant of the trading venue. If the Client Identifier field is not provided for agent orders, then they will be rejected. For orders sent with Trading Capacity Proprietary or Market Making, the Client Identifier field may remain empty.
25123	ExecutingTrader	N	8	64	unsigned int	MiFID field: Executing Trader data Field(ESMA Field 5 (Section A))used to identify the person or algorithm within the member or participant of the trading venue who is responsible for the execution of the transaction resulting from the order.
28744	MatchInstCrossID	N	4	72	unsigned int	Self Match Prevention ID.
432	ExpireDate	N	4	76	LocalMktDate	Date of order expiry. Required if TimeInForce (59) = 6.
20655	TargetPartyIDSession-ID	N	4	80	unsigned int	Session ID.
625	TradingSessionSubID	N	1	84	unsigned int	Marks a certain order to be included in a defined auction. Value: 2 – Opening or opening auction Value: 4 – Closing or closing auction Value: 8 – Any auction
28743	OwnershipIndicator	Y	1	85	unsigned int	Indicator to change the ownership of an order. Value: 0 – Do not change ownership Value: 1 – Change ownership to executing party (User ID)

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
28703	ApplSeqIndicator	Y	1	86	unsigned int	Indicates if the order is a Lean Order or a Standard Order. Value: 0 = No Recovery Required; 1 = Recovery Required
40	OrdType	Y	1	87	unsigned int	Order type. Value: 1 = Market; 2 = Limit; 3 = Stop; 4 = Stop Limit
28710	PriceValidityCheck-Type	Y	1	88	unsigned int	Indicator how price validity check should be performed by the exchange(see the ETI Manual, chapter Price Reasonability Check). Value: 0 = None; 1 = Optional; 2 = Mandatory
25126	ValueCheckTypeValue	Y	1	89	unsigned int	Indicator for checking the maximum order/quote value by the exchange. Value: 0 = Do not check; 1 = Check
1724	OrderOrigination	N	1	90	unsigned int	MiFID field: Field to indicate order received from a direct access or sponsored access customer Value: 5 = Order received from a direct access customer; 105 = Order received from a sponsored access customer
20096	PartyIDTakeUp-TradingFirm	N	5	91	Fixed String	Take-up Member Short Name. Valid characters: A-Z, 0-9, \x20
20013	PartyIDOrder-OriginationFirm	N	7	96	Fixed String	External Member ID. Valid characters: A-Z, 0-9, \x20
20032	PartyIDBeneficiary	N	9	103	Fixed String	Final Beneficiary. Valid characters: A-Z, 0-9, \x20

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1	Account	N	2	112	Fixed String	Account mnemonic as agreed between buy and sell sides, e.g. broker and institution or investor/intermediary and fund manager. Only applicable for single leg instruments. Valid characters: 1-9, \x41, \x47, \x49, \x4D, \x50, \x52
20038	PartyIDPosition-Account	N	32	114	Fixed String	'Flexible Account' information. Valid characters: \x20, \x30-\x39, \x41-\x5A
77	PositionEffect	N	1	146	char	Indicates whether the resulting position after a trade should be an opening position or closing position. Used for omnibus accounting - where accounts are held on a gross basis instead of being netted together. Mandatory for single leg instruments. Value: C = Close; O = Open
20075	PartyIDLocationID	N	2	147	Fixed String	Country code. Will be set to "XX" for non-capital letters. Valid characters: \x01-\x7E

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1031</td><td>CustOrderHandling-Inst</td><td>N</td><td>1</td><td>149</td><td>Fixed String</td><td>Identifies the source of an order, in accordance with the FIA guidelines for a rate Identifier.The field is for participant use only.<table><tr><td>Value</td><td>Description</td></tr><tr><td>W</td><td>Desk</td></tr><tr><td>Y</td><td>Electronic</td></tr><tr><td>C</td><td>Vendor-provided Platform billed by Executing Broker</td></tr><tr><td>G</td><td>Sponsored Access via Exchange API or FIX provided by Executing Broker</td></tr><tr><td>H</td><td>Premium Algorithmic Trading Provider billed by Executing Broker</td></tr><tr><td>D</td><td>Other, including Other-provided Screen</td></tr><tr><td>*</td><td>More values</td></tr></table></td></tr>
<tr><td>2404</td><td>ComplianceText</td><td>N</td><td>20</td><td>150</td><td>Fixed String</td><td>This field is used to provide additional regulatory information (according to respective rules & regs, circulars and/or bilateral coordination between participant and Trading Surveillance Office).
Valid characters: \x20, \x22-\x7B, \x7D, \x7E</td></tr>
<tr><td>25007</td><td>FreeText1</td><td>N</td><td>12</td><td>170</td><td>Fixed String</td><td>First free-format text field for trader specific or customer-related comments
Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E</td></tr>
<tr><td>25008</td><td>FreeText2</td><td>N</td><td>12</td><td>182</td><td>Fixed String</td><td>Second free-format text field for trader specific or customer-related comments
Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E</td></tr>
</table>

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>25009</td><td>FreeText3</td><td>N</td><td>12</td><td>194</td><td>Fixed String</td><td>Third free-format text field for trader-specific or customer-related comments.
Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E</td></tr>
<tr><td>30011</td><td>FIXClOrdID</td><td>N</td><td>20</td><td>206</td><td>Fixed String</td><td>User defined client order ID
Valid characters: \x20-\x7E</td></tr>
<tr><td>25241</td><td>PartyEndClient-Identification</td><td>N</td><td>20</td><td>226</td><td>Fixed String</td><td>End client identifier.
Valid characters: A-Z, 0-9, \x20, \x5F</td></tr>
<tr><td>25124</td><td>ExecutingTrader-Qualifier</td><td>N</td><td>1</td><td>246</td><td>unsigned int</td><td>MiFID field: Qualifier for field ExecutingTrader. It is required to distinguish between natural persons and Algos.<table><tr><th>Value</th><th>Description</th></tr><tr><td>22</td><td>Algo</td></tr><tr><td>24</td><td>Human/Natural person</td></tr></table></td></tr>
<tr><td>21222</td><td>PartyIdInvestment-DecisionMaker-Qualifier</td><td>N</td><td>1</td><td>247</td><td>unsigned int</td><td>MiFID field: Qualifier for field PartyIdInvestmentDecisionMaker. Members/participants will have the possibility to specify an Investment qualifier value to distinguish between natural persons and Algos.<table><tr><th>Value</th><th>Description</th></tr><tr><td>22</td><td>Algo</td></tr><tr><td>24</td><td>Human/Natural person</td></tr></table></td></tr>
<tr><td>20122</td><td>PartyIdInvestment-DecisionMaker</td><td>N</td><td>8</td><td>248</td><td>unsigned int</td><td>MiFID field: Investment decision within firm (ESMA Field 4 (Section A)) is the code used to identify the person or the algorithm within the member or participant of the Trading Venue who is responsible for the investment decision.</td></tr>
</table>

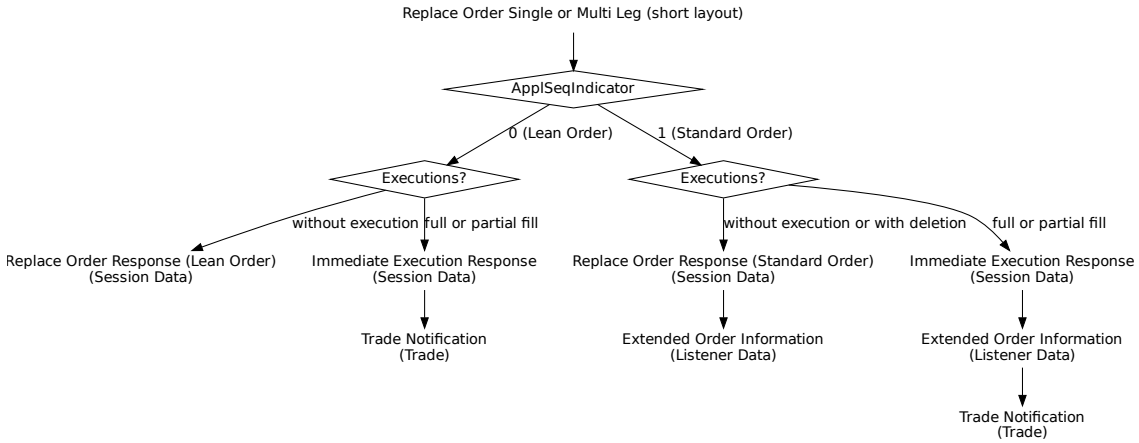
<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>23002</td><td>OrderAttribute-LiquidityProvision</td><td>Y</td><td>1</td><td>256</td><td>unsigned int</td><td>MiFID field: Indication as to whether an order is submitted to a Trading Venue as part of a market making strategy.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Liquidity provision</td></tr><tr><td>0</td><td>No liquidity provision</td></tr></table></td></tr>
<tr><td>1815</td><td>TradingCapacity</td><td>Y</td><td>1</td><td>257</td><td>unsigned int</td><td>This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Customer (Agency)</td></tr><tr><td>5</td><td>Principal (Proprietary)</td></tr><tr><td>6</td><td>Market Maker</td></tr></table></td></tr>
<tr><td>1227</td><td>ProductComplex</td><td>Y</td><td>1</td><td>258</td><td>unsigned int</td><td>This field qualifies an instrument type on T7.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Simple instrument</td></tr><tr><td>2</td><td>Standard Option Strategy</td></tr><tr><td>3</td><td>Non-Standard Option Strategy</td></tr><tr><td>4</td><td>Volatility Strategy</td></tr><tr><td>5</td><td>Futures Spread</td></tr><tr><td>6</td><td>Inter-Product Spread</td></tr><tr><td>7</td><td>Standard Future Strategy</td></tr><tr><td>8</td><td>Pack and Bundle</td></tr><tr><td>9</td><td>Strip</td></tr><tr><td>11</td><td>Commodity Strip</td></tr><tr><td>12</td><td>Scaled Simple Instrument</td></tr><tr><td>13</td><td>Non-Standard Volatility Strategy</td></tr><tr><td>14</td><td>Total Return Future Strategy</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
2964	SelfMatchPrevention-Instruction	N	1	259	unsigned int	Indicate the instruction for SMP. If MatchInstCrossID (28744) is set then the default value for SelfMatch-PreventionInstruction is 100(Reject cross on business unit level) Value: 100 – Reject cross on business unit level; 101 – Reject cross on market level
31625	CrossMatchInstruction	N	1	260	unsigned int	Indicate the instruction for SMP. Applicable only when MatchInstCrossID (28744) is set. When CrossMatch-Instruction is not set the default value is defined by the exchange Value: 1 – Cancel incoming order; 2 – Cancel resting order; 3 – Reduce/Cancel both incoming and resting order
28555	NoLegOnbooks	Y	1	261	Counter	Number of InstrumentLeg repeating group instances. (only for on-book trades) Must be zero for single leg instruments.
39022	Pad2_2	U	2	262	Fixed String	not used
1300	MarketSegmentID	Y	4	264	signed int	Product identifier.
39040	Pad4	U	4	268	Fixed String	not used
48	SecurityID	Y	8	272	signed int	Instrument identifier.
38	OrderQty	Y	8	280	Qty	Total Order Quantity.
44	Price	N	8	288	PriceType	Limit price. Required if OrdType (40) is Limit (2) or Stop Limit (4).
54	Side	Y	1	296	unsigned int	Side of the order. Value: 1 – Buy; 2 – Sell

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>18</td><td>ExecInst</td><td>Y</td><td>1</td><td>297</td><td>unsigned int</td><td>Instructions for order handling.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Persistent Order (FIX value 'H')</td></tr><tr><td>2</td><td>Non-persistent Order (FIX value 'Q')</td></tr><tr><td>5</td><td>Persistent and Book or Cancel order (FIX value 'H 6')</td></tr><tr><td>6</td><td>Non-persistent and Book or Cancel order (FIX value 'Q 6')</td></tr></table></td></tr>
<tr><td>59</td><td>TimeInForce</td><td>Y</td><td>1</td><td>298</td><td>unsigned int</td><td>Execution and trading restriction parameters supported by T7.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Day (GFD)</td></tr><tr><td>1</td><td>Good Till Cancelled (GTC) - Standard Orders only</td></tr><tr><td>3</td><td>Immediate or Cancel (IOC)</td></tr><tr><td>4</td><td>Fill Or Kill (FOK)</td></tr><tr><td>6</td><td>Good Till Date (GTD) - Standard Orders only</td></tr></table></td></tr>
<tr><td>39001</td><td>Pad1_1</td><td>U</td><td>1</td><td>299</td><td>Fixed String</td><td>not used</td></tr>
<tr><td>30010</td><td>CheckSumCorrection</td><td>N</td><td>2</td><td>300</td><td>unsigned int</td><td></td></tr>
<tr><td>39023</td><td>Pad2_3</td><td>U</td><td>2</td><td>302</td><td>Fixed String</td><td>not used</td></tr>
<tr><td colspan="7"><LegOrdGrp> Cardinality: 0-144, Record counter: NoLegOnbooks</td></tr>
<tr><td>2680</td><td>>LegAccount</td><td>N</td><td>2</td><td>304</td><td>Fixed String</td><td>Leg-specific account to book trades and keep positions on.
Valid characters: 1-9, \x41, \x47, \x4D, \x50</td></tr>
<tr><td>564</td><td>>LegPositionEffect</td><td>Y</td><td>1</td><td>306</td><td>char</td><td>Leg-specific field used for T7 position management purposes and indicates whether the leg is submitted to open or close a position.<table><tr><th>Value</th><th>Description</th></tr><tr><td>C</td><td>Close</td></tr><tr><td>O</td><td>Open</td></tr></table></td></tr>
<tr><td>39050</td><td>>Pad5</td><td>U</td><td>5</td><td>307</td><td>Fixed String</td><td>not used</td></tr>
</table>

6.8 Replace Order Single or Multi Leg (short layout)

This short order message layout is used by the participant to replace an order in a Single or Multi Leg instrument. Selected order attributes are implicitly set. For more details, please refer to the ETI Manual, chapter Short Order Message Layouts. This message is sent to the service "Order and Quote Management".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10141 (OrderCancelReplaceRequest, MsgType = G)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
11	ClOrdID	N	8	24	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.
41	OrigClOrdID	Y	8	32	unsigned int	ClOrdID (11) of the last successfully processed task (request) referring to the specific order.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
20003	PartyIDClientID	N	8	40	unsigned int	MiFID field: Client Identifier field (ESMA Field 3 (Section A))used to identify the client of an order for agent account of the member or participant of the trading venue. If the Client Identifier field is not provided for agent orders, then they will be rejected. For orders sent with Trading Capacity Proprietary or Market Making, the Client Identifier field may remain empty.
25123	ExecutingTrader	N	8	48	unsigned int	MiFID field: Executing Trader data Field(ESMA Field 5 (Section A))used to identify the person or algorithm within the member or participant of the trading venue who is responsible for the execution of the transaction resulting from the order.
28744	MatchInstCrossID	N	4	56	unsigned int	Self Match Prevention ID.
28703	ApplSeqIndicator	Y	1	60	unsigned int	Indicates if the order is a Lean Order or a Standard Order. Value: 0 = No Recovery Required; 1 = Recovery Required
28710	PriceValidityCheck-Type	Y	1	61	unsigned int	Indicator how price validity check should be performed by the exchange(see the ETI Manual, chapter Price Reasonability Check). Value: 0 = None; 1 = Optional; 2 = Mandatory
25126	ValueCheckTypeValue	Y	1	62	unsigned int	Indicator for checking the maximum order/quote value by the exchange. Value: 0 = Do not check; 1 = Check

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1815</td><td>TradingCapacity</td><td>Y</td><td>1</td><td>63</td><td>unsigned int</td><td>This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Customer (Agency)</td></tr><tr><td>5</td><td>Principal (Proprietary)</td></tr><tr><td>6</td><td>Market Maker</td></tr></table></td></tr>
<tr><td>1724</td><td>OrderOrigination</td><td>N</td><td>1</td><td>64</td><td>unsigned int</td><td>MiFID field: Field to indicate order received from a direct access or sponsored access customer<table><tr><td>Value</td><td>Description</td></tr><tr><td>5</td><td>Order received from a direct access customer</td></tr><tr><td>105</td><td>Order received from a sponsored access customer</td></tr></table></td></tr>
<tr><td>25124</td><td>ExecutingTrader-Qualifier</td><td>Y</td><td>1</td><td>65</td><td>unsigned int</td><td>MiFID field: Qualifier for field ExecutingTrader. It is required to distinguish between natural persons and Algos.<table><tr><td>Value</td><td>Description</td></tr><tr><td>22</td><td>Algo</td></tr><tr><td>24</td><td>Human/Natural person</td></tr></table></td></tr>
<tr><td>21222</td><td>PartyIdInvestment-DecisionMaker-Qualifier</td><td>N</td><td>1</td><td>66</td><td>unsigned int</td><td>MiFID field: Qualifier for field PartyIdInvestmentDecisionMaker. Members/participants will have the possibility to specify an Investment qualifier value to distinguish between natural persons and Algos.<table><tr><td>Value</td><td>Description</td></tr><tr><td>22</td><td>Algo</td></tr><tr><td>24</td><td>Human/Natural person</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
2404	ComplianceText	N	20	67	Fixed String	This field is used to provide additional regulatory information (according to respective rules & regs, circulars and/or bilateral coordination between participant and Trading Surveillance Office). Valid characters: \x20, \x22-\x7B, \x7D, \x7E
39000	Pad1	U	1	87	Fixed String	not used
20122	PartyIdInvestment-DecisionMaker	N	8	88	unsigned int	MiFID field: Investment decision within firm (ESMA Field 4 (Section A)) is the code used to identify the person or the algorithm within the member or participant of the Trading Venue who is responsible for the investment decision.
25033	EnrichmentRuleID	N	2	96	unsigned int	Identifies an enrichment rule.
23002	OrderAttribute-LiquidityProvision	Y	1	98	unsigned int	MiFID field: Indication as to whether an order is submitted to a Trading Venue as part of a market making strategy. Value: 1 – Liquidity provision Value: 0 – No liquidity provision
1227	ProductComplex	Y	1	99	unsigned int	This field qualifies an instrument type on T7. Value: 1 – Simple instrument Value: 2 – Standard Option Strategy Value: 3 – Non-Standard Option Strategy Value: 4 – Volatility Strategy Value: 5 – Futures Spread Value: 6 – Inter-Product Spread Value: 7 – Standard Future Strategy Value: 8 – Pack and Bundle Value: 9 – Strip Value: 11 – Commodity Strip Value: 13 – Non-Standard Volatility Strategy Value: 14 – Total Return Future Strategy

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
2964	SelfMatchPrevention-Instruction	N	1	100	unsigned int	Indicate the instruction for SMP. If MatchInstCrossID (28744) is set then the default value for SelfMatch-PreventionInstruction is 100(Reject cross on business unit level) Value: 100 – Reject cross on business unit level; 101 – Reject cross on market level
31625	CrossMatchInstruction	N	1	101	unsigned int	Indicate the instruction for SMP. Applicable only when MatchInstCrossID (28744) is set. When CrossMatch-Instruction is not set the default value is defined by the exchange Value: 1 – Cancel incoming order; 2 – Cancel resting order; 3 – Reduce/Cancel both incoming and resting order
39021	Pad2_1	U	2	102	Fixed String	not used
1300	MarketSegmentID	Y	4	104	signed int	Product identifier.
39041	Pad4_1	U	4	108	Fixed String	not used
48	SecurityID	Y	8	112	signed int	Instrument identifier.
38	OrderQty	Y	8	120	Qty	Total Order Quantity.
44	Price	N	8	128	PriceType	Limit price. Required if OrdType (40) is Limit (2) or Stop Limit (4).
54	Side	Y	1	136	unsigned int	Side of the order. Value: 1 – Buy; 2 – Sell

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>18</td><td>ExecInst</td><td>Y</td><td>1</td><td>137</td><td>unsigned int</td><td>Instructions for order handling.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Persistent Order (FIX value 'H')</td></tr><tr><td>2</td><td>Non-persistent Order (FIX value 'Q')</td></tr><tr><td>5</td><td>Persistent and Book or Cancel order (FIX value 'H 6')</td></tr><tr><td>6</td><td>Non-persistent and Book or Cancel order (FIX value 'Q 6')</td></tr></table></td></tr>
<tr><td>59</td><td>TimeInForce</td><td>Y</td><td>1</td><td>138</td><td>unsigned int</td><td>Execution and trading restriction parameters supported by T7.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Day (GFD)</td></tr><tr><td>1</td><td>Good Till Cancelled (GTC) - Standard Orders only</td></tr><tr><td>3</td><td>Immediate or Cancel (IOC)</td></tr><tr><td>4</td><td>Fill Or Kill (FOK)</td></tr></table></td></tr>
<tr><td>39001</td><td>Pad1_1</td><td>U</td><td>1</td><td>139</td><td>Fixed String</td><td>not used</td></tr>
<tr><td>30010</td><td>CheckSumCorrection</td><td>N</td><td>2</td><td>140</td><td>unsigned int</td><td></td></tr>
<tr><td>39020</td><td>Pad2</td><td>U</td><td>2</td><td>142</td><td>Fixed String</td><td>not used</td></tr>
</table>

6.9 Replace Order Response (Lean Order)

This message confirms a Replace Order request for a Lean Order. For more details, please refer to the ETI Manual, chapter Order Status and Execution Reports.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10108 (ExecutionReport, MsgType = 8)
39020	Pad2	U	2	6	Fixed String	not used
<NRResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	Y	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	Y	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
893	LastFragment	Y	1	52	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 0 — Not Last Message Value: 1 — Last Message
39030	Pad3	U	3	53	Fixed String	not used
<MessageBody>						
37	OrderID	Y	8	56	unsigned int	Exchange Order ID generated by the T7 System; it remains constant over the lifetime of an order.
11	ClOrdID	N	8	64	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.
41	OrigClOrdID	N	8	72	unsigned int	ClOrdID (11) of the last successfully processed task (request) referring to the specific order.
48	SecurityID	Y	8	80	signed int	Instrument identifier.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
17	ExecID	Y	8	88	UTCTimestamp	Transaction timestamp.
151	LeavesQty	Y	8	96	Qty	Remaining quantity of an order.
14	CumQty	Y	8	104	Qty	Cumulated executed quantity of an order.
84	CxlQty	Y	8	112	Qty	Total quantity cancelled for this order.
39	OrdStatus	Y	1	120	char	Conveys the current status of an order. Value: 0 = New; 1 = Partially filled; 2 = Filled; 4 = Cancelled; 9 = Suspended
150	ExecType	Y	1	121	char	The reason why this message was generated. Value: 4 = Cancelled; 5 = Replaced; L = Triggered
378	ExecRestatement-Reason	Y	2	122	unsigned int	Code to further qualify the field ExecType (150) of the Execution Report (8) message. Value: 102 = Order modify accepted; 105 = IOC Order accepted; 181 = Ownership Changed; 212 = Book or Cancel Order accepted; 107 = FOK Order accepted; 114 = Order has been changed to IOC
2523	CrossedIndicator	Y	1	124	unsigned int	Indicates SMP involvement. Value: 0 = No crossing (Order not subject to crossing); 1 = Cross rejected (Order subject to crossing and match prevented)

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1227</td><td>ProductComplex</td><td>Y</td><td>1</td><td>125</td><td>unsigned int</td><td>This field qualifies an instrument type on T7.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Simple instrument</td></tr><tr><td>2</td><td>Standard Option Strategy</td></tr><tr><td>3</td><td>Non-Standard Option Strategy</td></tr><tr><td>4</td><td>Volatility Strategy</td></tr><tr><td>5</td><td>Futures Spread</td></tr><tr><td>6</td><td>Inter-Product Spread</td></tr><tr><td>7</td><td>Standard Future Strategy</td></tr><tr><td>8</td><td>Pack and Bundle</td></tr><tr><td>9</td><td>Strip</td></tr><tr><td>11</td><td>Commodity Strip</td></tr><tr><td>12</td><td>Scaled Simple Instrument</td></tr><tr><td>13</td><td>Non-Standard Volatility Strategy</td></tr><tr><td>14</td><td>Total Return Future Strategy</td></tr></table></td></tr>
<tr><td>1823</td><td>Triggered</td><td>Y</td><td>1</td><td>126</td><td>unsigned int</td><td>Indicates if an order has been previously triggered.<table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>Not Triggered</td></tr><tr><td>1</td><td>Triggered Stop</td></tr><tr><td>2</td><td>Triggered OCO</td></tr></table></td></tr>
<tr><td>25159</td><td>TransactionDelay-Indicator</td><td>Y</td><td>1</td><td>127</td><td>unsigned int</td><td>Indicator for a delayed transaction.<table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>Transaction not delayed</td></tr><tr><td>1</td><td>Transaction delayed</td></tr></table></td></tr>
<tr><td>28790</td><td>NoOrderEvents</td><td>Y</td><td>1</td><td>128</td><td>Counter</td><td>Number of order events</td></tr>
<tr><td>39070</td><td>Pad7</td><td>U</td><td>7</td><td>129</td><td>Fixed String</td><td>not used</td></tr>
<tr><td colspan="7"><OrderEventGrp> Cardinality: 0-100, Record counter: NoOrderEvents</td></tr>
<tr><td>1799</td><td>>OrderEventPx</td><td>N</td><td>8</td><td>136</td><td>PriceType</td><td>Price level for the order event.</td></tr>
<tr><td>1800</td><td>>OrderEventQty</td><td>Y</td><td>8</td><td>144</td><td>Qty</td><td>Quantity for the order event.</td></tr>
<tr><td>30060</td><td>>OrderEventMatchID</td><td>N</td><td>4</td><td>152</td><td>unsigned int</td><td>Unique identifier for each price level (match step) of an order event.</td></tr>
</table>

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1798</td><td>>OrderEventReason</td><td>Y</td><td>1</td><td>156</td><td>unsigned int</td><td>Action that caused the event to occur.

<table><tr><td>Value</td><td>Description</td></tr><tr><td>100</td><td>SMP event</td></tr></table></td></tr>
<tr><td>39030</td><td>>Pad3</td><td>U</td><td>3</td><td>157</td><td>Fixed String</td><td>not used</td></tr>
</table>

6.10 Replace Order Response (Standard Order)

This message confirms a Replace Order request for a Standard Order. For more details, please refer to the ETI Manual, chapter Order Status and Execution Reports.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10107 (ExecutionReport, MsgType = 8)
39020	Pad2	U	2	6	Fixed String	not used
<ResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	Y	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	Y	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
5948	PartitionID	Y	2	52	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1180	ApplID	Y	1	54	unsigned int	Identifier for an ETI data stream. Value: 4 — Description: Session Data
28704	ApplMsgID	N	16	55	data	Not set if the submitting session is not the owner of the replaced order.
893	LastFragment	Y	1	71	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 0 — Description: Not Last Message Value: 1 — Description: Last Message
<MessageBody>						

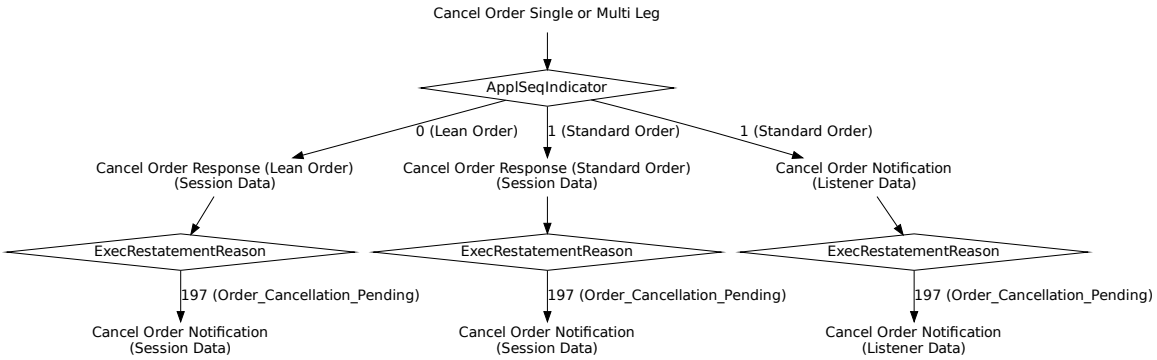
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
37	OrderID	Y	8	72	unsigned int	Exchange Order ID generated by the T7 System; it remains constant over the lifetime of an order.
11	ClOrdID	N	8	80	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.
41	OrigClOrdID	N	8	88	unsigned int	ClOrdID (11) of the last successfully processed task (request) referring to the specific order.
48	SecurityID	Y	8	96	signed int	Instrument identifier.
17	ExecID	Y	8	104	UTCTimestamp	Transaction timestamp.
151	LeavesQty	Y	8	112	Qty	Remaining quantity of an order.
14	CumQty	Y	8	120	Qty	Cumulated executed quantity of an order.
84	CxlQty	Y	8	128	Qty	Total quantity cancelled for this order.
21008	TrdRegTSTime-Priority	Y	8	136	UTCTimestamp	Priority timestamp.
39	OrdStatus	Y	1	144	char	Conveys the current status of an order. Value: 0 = New; 1 = Partially filled; 2 = Filled; 4 = Cancelled; 9 = Suspended
150	ExecType	Y	1	145	char	The reason why this message was generated. Value: 4 = Cancelled; 5 = Replaced; L = Triggered

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>378</td><td>ExecRestatement-Reason</td><td>Y</td><td>2</td><td>146</td><td>unsigned int</td><td>Code to further qualify the field ExecType (150) of the Execution Report (8) message.<table><tr><th>Value</th><th>Description</th></tr><tr><td>102</td><td>Order modify accepted</td></tr><tr><td>105</td><td>IOC Order accepted</td></tr><tr><td>181</td><td>Ownership Changed</td></tr><tr><td>212</td><td>Book or Cancel Order accepted</td></tr><tr><td>107</td><td>FOK Order accepted</td></tr><tr><td>114</td><td>Order has been changed to IOC</td></tr></table></td></tr>
<tr><td>2523</td><td>CrossedIndicator</td><td>Y</td><td>1</td><td>148</td><td>unsigned int</td><td>Indicates SMP involvement.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>No crossing (Order not subject to crossing)</td></tr><tr><td>1</td><td>Cross rejected (Order subject to crossing and match prevented)</td></tr></table></td></tr>
<tr><td>1227</td><td>ProductComplex</td><td>Y</td><td>1</td><td>149</td><td>unsigned int</td><td>This field qualifies an instrument type on T7.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Simple instrument</td></tr><tr><td>2</td><td>Standard Option Strategy</td></tr><tr><td>3</td><td>Non-Standard Option Strategy</td></tr><tr><td>4</td><td>Volatility Strategy</td></tr><tr><td>5</td><td>Futures Spread</td></tr><tr><td>6</td><td>Inter-Product Spread</td></tr><tr><td>7</td><td>Standard Future Strategy</td></tr><tr><td>8</td><td>Pack and Bundle</td></tr><tr><td>9</td><td>Strip</td></tr><tr><td>11</td><td>Commodity Strip</td></tr><tr><td>12</td><td>Scaled Simple Instrument</td></tr><tr><td>13</td><td>Non-Standard Volatility Strategy</td></tr><tr><td>14</td><td>Total Return Future Strategy</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1823	Triggered	Y	1	150	unsigned int	Indicates if an order has been previously triggered. Value: 0 = Not Triggered; 1 = Triggered Stop; 2 = Triggered OCO
25159	TransactionDelay-Indicator	Y	1	151	unsigned int	Indicator for a delayed transaction. Value: 0 = Transaction not delayed; 1 = Transaction delayed
28790	NoOrderEvents	Y	1	152	Counter	Number of order events
39070	Pad7	U	7	153	Fixed String	not used
<OrderEventGrp> Cardinality: 0-100, Record counter: NoOrderEvents						
1799	>OrderEventPx	N	8	160	PriceType	Price level for the order event.
1800	>OrderEventQty	Y	8	168	Qty	Quantity for the order event.
30060	>OrderEventMatchID	N	4	176	unsigned int	Unique identifier for each price level (match step) of an order event.
1798	>OrderEventReason	Y	1	180	unsigned int	Action that caused the event to occur. Value: 100 = SMP event
39030	>Pad3	U	3	181	Fixed String	not used

6.11 Cancel Order Single or Multi Leg

This message is used to cancel a single or complex order. For more details, please refer to the ETI Manual, chapter Cancellation. This message is sent to the service "Order and Quote Management".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10142 (OrderCancelRequest, MsgType = F)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
37	OrderID	N	8	24	unsigned int	Exchange Order ID generated by the T7 System; it remains constant over the lifetime of an order.
11	ClOrdID	N	8	32	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.
41	OrigClOrdID	N	8	40	unsigned int	ClOrdID (11) of the last successfully processed task (request) referring to the specific order.
48	SecurityID	Y	8	48	signed int	Instrument identifier.

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>20122</td><td>PartyIdInvestment-DecisionMaker</td><td>N</td><td>8</td><td>56</td><td>unsigned int</td><td>MiFID field: Investment decision within firm (ESMA Field 4 (Section A)) is the code used to identify the person or the algorithm within the member or participant of the Trading Venue who is responsible for the investment decision.</td></tr>
<tr><td>25123</td><td>ExecutingTrader</td><td>N</td><td>8</td><td>64</td><td>unsigned int</td><td>MiFID field: Executing Trader data Field(ESMA Field 5 (Section A))used to identify the person or algorithm within the member or participant of the trading venue who is responsible for the execution of the transaction resulting from the order.</td></tr>
<tr><td>1300</td><td>MarketSegmentID</td><td>Y</td><td>4</td><td>72</td><td>signed int</td><td>Product identifier.</td></tr>
<tr><td>20655</td><td>TargetPartyIDSession-ID</td><td>N</td><td>4</td><td>76</td><td>unsigned int</td><td>Session ID.</td></tr>
<tr><td>1724</td><td>OrderOrigination</td><td>N</td><td>1</td><td>80</td><td>unsigned int</td><td>MiFID field: Field to indicate order received from a direct access or sponsored access customer<table><tr><th>Value</th><th>Description</th></tr><tr><td>5</td><td>Order received from a direct access customer</td></tr><tr><td>105</td><td>Order received from a sponsored access customer</td></tr></table></td></tr>
<tr><td>21222</td><td>PartyIdInvestment-DecisionMaker-Qualifier</td><td>N</td><td>1</td><td>81</td><td>unsigned int</td><td>MiFID field: Qualifier for field PartyIdInvestmentDecisionMaker. Members/participants will have the possibility to specify an Investment qualifier value to distinguish between natural persons and Algos.<table><tr><th>Value</th><th>Description</th></tr><tr><td>22</td><td>Algo</td></tr><tr><td>24</td><td>Human/Natural person</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25124	ExecutingTrader-Qualifier	Y	1	82	unsigned int	MiFID field: Qualifier for field ExecutingTrader. It is required to distinguish between natural persons and Algos. Value: 22 = Algo; 24 = Human/Natural person
30011	FIXClOrdID	N	20	83	Fixed String	User defined client order ID Valid characters: \x20-\x7E
2404	ComplianceText	N	20	103	Fixed String	This field is used to provide additional regulatory information (according to respective rules & regs, circulars and/or bilateral coordination between participant and Trading Surveillance Office). Valid characters: \x20, \x22-\x7B, \x7D, \x7E
39050	Pad5	U	5	123	Fixed String	not used

6.12 Cancel Order Response (Standard Order)

This message confirms the cancellation of a Standard Order. For more details, please refer to the ETI Manual, chapter Order Status and Execution Reports.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10110 (ExecutionReport, MsgType = 8)
39020	Pad2	U	2	6	Fixed String	not used
<ResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	Y	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	Y	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
5948	PartitionID	Y	2	52	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1180	ApplID	Y	1	54	unsigned int	Identifier for an ETI data stream. Value: 4 — Session Data
28704	ApplMsgID	N	16	55	data	Not set if the submitting session is not the owner of the cancelled order.
893	LastFragment	Y	1	71	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 — Last Message
<MessageBody>						
37	OrderID	Y	8	72	unsigned int	Exchange Order ID generated by the T7 System; it remains constant over the lifetime of an order.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
11	ClOrdID	N	8	80	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.
41	OrigClOrdID	N	8	88	unsigned int	ClOrdID (11) of the last successfully processed task (request) referring to the specific order.
48	SecurityID	Y	8	96	signed int	Instrument identifier.
17	ExecID	Y	8	104	UTCTimestamp	Transaction timestamp.
14	CumQty	Y	8	112	Qty	Cumulated executed quantity of an order.
84	CxlQty	Y	8	120	Qty	Total quantity cancelled for this order.
39	OrdStatus	Y	1	128	char	Conveys the current status of an order. Value: 4 – Cancelled; 6 – Pending Cancel (i.e. result of Order Cancel Request); 9 – Suspended
150	ExecType	Y	1	129	char	The reason why this message was generated. Value: 4 – Cancelled; 6 – Pending Cancel (e.g. result of Order Cancel Request)
378	ExecRestatement-Reason	Y	2	130	unsigned int	Code to further qualify the field ExecType (150) of the Execution Report (8) message. Value: 103 – Order delete accepted; 197 – Pending order deletion; 199 – Pending order cancellation processed (end of FREEZE state)

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1227</td><td>ProductComplex</td><td>Y</td><td>1</td><td>132</td><td>unsigned int</td><td>This field qualifies an instrument type on T7.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Simple instrument</td></tr><tr><td>2</td><td>Standard Option Strategy</td></tr><tr><td>3</td><td>Non-Standard Option Strategy</td></tr><tr><td>4</td><td>Volatility Strategy</td></tr><tr><td>5</td><td>Futures Spread</td></tr><tr><td>6</td><td>Inter-Product Spread</td></tr><tr><td>7</td><td>Standard Future Strategy</td></tr><tr><td>8</td><td>Pack and Bundle</td></tr><tr><td>9</td><td>Strip</td></tr><tr><td>11</td><td>Commodity Strip</td></tr><tr><td>12</td><td>Scaled Simple Instrument</td></tr><tr><td>13</td><td>Non-Standard Volatility Strategy</td></tr><tr><td>14</td><td>Total Return Future Strategy</td></tr></table></td></tr>
<tr><td>25159</td><td>TransactionDelay-Indicator</td><td>Y</td><td>1</td><td>133</td><td>unsigned int</td><td>Indicator for a delayed transaction.<table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>Transaction not delayed</td></tr><tr><td>1</td><td>Transaction delayed</td></tr></table></td></tr>
<tr><td>39020</td><td>Pad2</td><td>U</td><td>2</td><td>134</td><td>Fixed String</td><td>not used</td></tr>
</table>

6.13 Cancel Order Response (Lean Order)

This message confirms the cancellation of a Lean Order. For more details, please refer to the ETI Manual, chapter Order Status and Execution Reports.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10111 (ExecutionReport, MsgType = 8)
39020	Pad2	U	2	6	Fixed String	not used
<NRResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	Y	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	Y	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
893	LastFragment	Y	1	52	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 — Description: Last Message
39030	Pad3	U	3	53	Fixed String	not used
<MessageBody>						
37	OrderID	Y	8	56	unsigned int	Exchange Order ID generated by the T7 System; it remains constant over the lifetime of an order.
11	ClOrdID	N	8	64	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.
41	OrigClOrdID	N	8	72	unsigned int	ClOrdID (11) of the last successfully processed task (request) referring to the specific order.
48	SecurityID	Y	8	80	signed int	Instrument identifier.
17	ExecID	Y	8	88	UTCTimestamp	Transaction timestamp.

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>14</td><td>CumQty</td><td>Y</td><td>8</td><td>96</td><td>Qty</td><td>Cumulated executed quantity of an order.</td></tr>
<tr><td>84</td><td>CxlQty</td><td>Y</td><td>8</td><td>104</td><td>Qty</td><td>Total quantity cancelled for this order.</td></tr>
<tr><td>39</td><td>OrdStatus</td><td>Y</td><td>1</td><td>112</td><td>char</td><td>Conveys the current status of an order.<table><tr><td>Value</td><td>Description</td></tr><tr><td>4</td><td>Cancelled</td></tr><tr><td>6</td><td>Pending Cancel (i.e. result of Order Cancel Request)</td></tr><tr><td>9</td><td>Suspended</td></tr></table></td></tr>
<tr><td>150</td><td>ExecType</td><td>Y</td><td>1</td><td>113</td><td>char</td><td>The reason why this message was generated.<table><tr><td>Value</td><td>Description</td></tr><tr><td>4</td><td>Cancelled</td></tr><tr><td>6</td><td>Pending Cancel (e.g. result of Order Cancel Request)</td></tr></table></td></tr>
<tr><td>378</td><td>ExecRestatement-Reason</td><td>Y</td><td>2</td><td>114</td><td>unsigned int</td><td>Code to further qualify the field ExecType (150) of the Execution Report (8) message.<table><tr><td>Value</td><td>Description</td></tr><tr><td>103</td><td>Order delete accepted</td></tr><tr><td>197</td><td>Pending order deletion</td></tr></table></td></tr>
</table>

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1227</td><td>ProductComplex</td><td>Y</td><td>1</td><td>116</td><td>unsigned int</td><td>This field qualifies an instrument type on T7.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Simple instrument</td></tr><tr><td>2</td><td>Standard Option Strategy</td></tr><tr><td>3</td><td>Non-Standard Option Strategy</td></tr><tr><td>4</td><td>Volatility Strategy</td></tr><tr><td>5</td><td>Futures Spread</td></tr><tr><td>6</td><td>Inter-Product Spread</td></tr><tr><td>7</td><td>Standard Future Strategy</td></tr><tr><td>8</td><td>Pack and Bundle</td></tr><tr><td>9</td><td>Strip</td></tr><tr><td>11</td><td>Commodity Strip</td></tr><tr><td>12</td><td>Scaled Simple Instrument</td></tr><tr><td>13</td><td>Non-Standard Volatility Strategy</td></tr><tr><td>14</td><td>Total Return Future Strategy</td></tr></table></td></tr>
<tr><td>25159</td><td>TransactionDelay-Indicator</td><td>Y</td><td>1</td><td>117</td><td>unsigned int</td><td>Indicator for a delayed transaction.<table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>Transaction not delayed</td></tr><tr><td>1</td><td>Transaction delayed</td></tr></table></td></tr>
<tr><td>39020</td><td>Pad2</td><td>U</td><td>2</td><td>118</td><td>Fixed String</td><td>not used</td></tr>
</table>

6.14 Cancel Order Notification

This message informs about an unsolicited cancellation of a single order. For more details, please refer to the ETI Manual, chapter Order Status and Execution Reports.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10112 (ExecutionReport, MsgType = 8)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeaderME>						
21003	TrdRegTSTimeOut	N	8	8	UTCTimestamp	Matching engine out timestamp.
25043	NotificationIn	N	8	16	UTCTimestamp	Timestamp the gateway receives a notification message from the Matching Engine.
52	SendingTime	Y	8	24	UTCTimestamp	Outgoing timestamp; filled always by the gateway
28727	ApplSubID	N	4	32	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	Y	2	36	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
28704	ApplMsgID	N	16	38	data	Application message identifier assigned to an order or quote event.
1180	ApplID	N	1	54	unsigned int	Identifier for an ETI data stream. Value: 4 — Session Data Value: 5 — Listener Data
1352	ApplResendFlag	Y	1	55	unsigned int	Indicates a retransmission message. Value: 0 — False Value: 1 — True

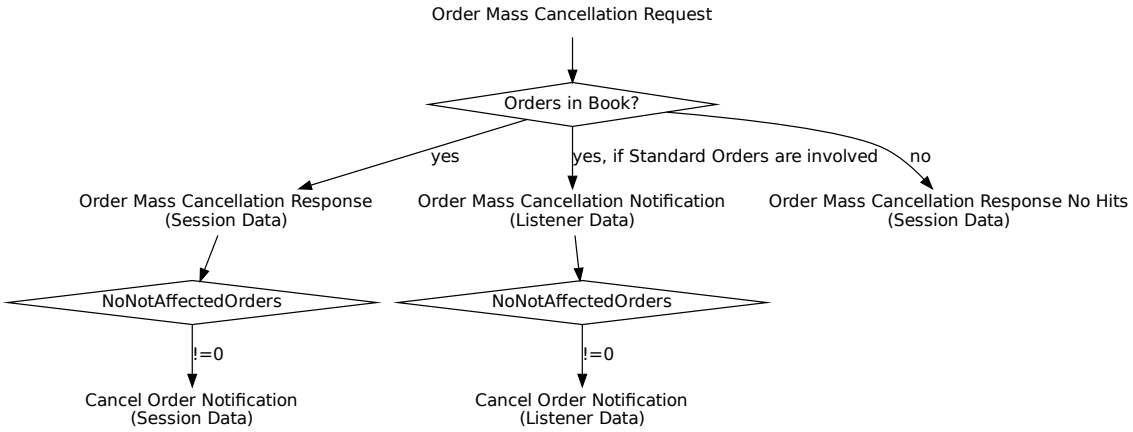
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
893	LastFragment	Y	1	56	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 – Last Message
39070	Pad7	U	7	57	Fixed String	not used
<MessageBody>						
37	OrderID	Y	8	64	unsigned int	Exchange Order ID generated by the T7 System; it remains constant over the lifetime of an order.
11	ClOrdID	N	8	72	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.
41	OrigClOrdID	N	8	80	unsigned int	ClOrdID (11) of the last successfully processed task (request) referring to the specific order.
48	SecurityID	Y	8	88	signed int	Instrument identifier.
17	ExecID	Y	8	96	UTCTimestamp	Transaction timestamp.
14	CumQty	Y	8	104	Qty	Cumulated executed quantity of an order.
84	CxlQty	Y	8	112	Qty	Total quantity cancelled for this order.
1300	MarketSegmentID	Y	4	120	signed int	Product identifier.
20036	PartyIDEntering-Trader	N	4	124	unsigned int	Entering User ID.
20055	PartyIDSessionID	N	4	128	unsigned int	Session ID.
378	ExecRestatement-Reason	Y	2	132	unsigned int	Code to further qualify the field ExecType (150) of the Execution Report (8) message. 103 – Order delete accepted 122 – Instrument State Change 197 – Pending order deletion 199 – Pending order cancellation processed (end of FREEZE state) 261 – Panic Cancel 302 – Market Order uncrossing

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
20007	PartyIDEnteringFirm	N	1	134	unsigned int	Entering Entity ID. Value: 1 = Participant; 2 = Market Supervision
39	OrdStatus	Y	1	135	char	Conveys the current status of an order. Value: 4 = Cancelled; 6 = Pending Cancel (i.e. result of Order Cancel Request); 9 = Suspended
150	ExecType	Y	1	136	char	The reason why this message was generated. Value: 4 = Cancelled; 6 = Pending Cancel (e.g. result of Order Cancel Request)
1227	ProductComplex	Y	1	137	unsigned int	This field qualifies an instrument type on T7. Value: 1 = Simple instrument; 2 = Standard Option Strategy; 3 = Non-Standard Option Strategy; 4 = Volatility Strategy; 5 = Futures Spread; 6 = Inter-Product Spread; 7 = Standard Future Strategy; 8 = Pack and Bundle; 9 = Strip; 11 = Commodity Strip; 12 = Scaled Simple Instrument; 13 = Non-Standard Volatility Strategy; 14 = Total Return Future Strategy

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
54	Side	Y	1	138	unsigned int	Side of the order. Value: 1 = Buy; 2 = Sell
30011	FIXClOrdID	N	20	139	Fixed String	User defined client order ID Valid characters: \x20-\x7E
39000	Pad1	U	1	159	Fixed String	not used

6.15 Order Mass Cancellation Request

This message is used for mass cancellation of orders. For more details, please refer to the ETI Manual, chapter Order Mass Cancellation. This message is sent to the service "Order and Quote Management".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10120 (OrderMassActionRequest, MsgType = CA)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
48	SecurityID	N	8	24	signed int	Instrument identifier.
44	Price	N	8	32	PriceType	Price boundary for deletion.
20122	PartyIdInvestment-DecisionMaker	N	8	40	unsigned int	MiFID field: Investment decision within firm (ESMA Field 4 (Section A)) is the code used to identify the person or the algorithm within the member or participant of the Trading Venue who is responsible for the investment decision.

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>25123</td><td>ExecutingTrader</td><td>N</td><td>8</td><td>48</td><td>unsigned int</td><td>MiFID field: Executing Trader data Field(ESMA Field 5 (Section A))used to identify the person or algorithm within the member or participant of the trading venue who is responsible for the execution of the transaction resulting from the order.</td></tr>
<tr><td>1300</td><td>MarketSegmentID</td><td>Y</td><td>4</td><td>56</td><td>signed int</td><td>Product identifier.</td></tr>
<tr><td>20655</td><td>TargetPartyIDSession-ID</td><td>N</td><td>4</td><td>60</td><td>unsigned int</td><td>Session ID.</td></tr>
<tr><td>20612</td><td>TargetParty-IDExecutingTrader</td><td>N</td><td>4</td><td>64</td><td>unsigned int</td><td>Owning User ID.</td></tr>
<tr><td>54</td><td>Side</td><td>N</td><td>1</td><td>68</td><td>unsigned int</td><td>Side of the order.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Buy</td></tr><tr><td>2</td><td>Sell</td></tr></table></td></tr>
<tr><td>1724</td><td>OrderOrigination</td><td>N</td><td>1</td><td>69</td><td>unsigned int</td><td>MiFID field: Field to indicate order received from a direct access or sponsored access customer<table><tr><th>Value</th><th>Description</th></tr><tr><td>5</td><td>Order received from a direct access customer</td></tr><tr><td>105</td><td>Order received from a sponsored access customer</td></tr></table></td></tr>
<tr><td>21222</td><td>PartyIdInvestment-DecisionMaker-Qualifier</td><td>N</td><td>1</td><td>70</td><td>unsigned int</td><td>MiFID field: Qualifier for field PartyIdInvestmentDecisionMaker. Members/participants will have the possibility to specify an Investment qualifier value to distinguish between natural persons and Algos.<table><tr><th>Value</th><th>Description</th></tr><tr><td>22</td><td>Algo</td></tr><tr><td>24</td><td>Human/Natural person</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25124	ExecutingTrader-Qualifier	Y	1	71	unsigned int	MiFID field: Qualifier for field ExecutingTrader. It is required to distinguish between natural persons and Algos.

Value	Description
22	Algo
24	Human/Natural person

6.16 Order Mass Cancellation Response

This message confirms the Mass Cancellation request for orders. For more details, please refer to the ETI Manual, chapter Mass Cancellation Notification and Mass Cancellation Events.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10121 (OrderMassActionReport, MsgType = BZ)
39020	Pad2	U	2	6	Fixed String	not used
<ResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	Y	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	Y	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
5948	PartitionID	Y	2	52	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1180	ApplID	Y	1	54	unsigned int	Identifier for an ETI data stream. Value: 4 — Session Data
28704	ApplMsgID	Y	16	55	data	Application message identifier assigned to an order or quote event.
893	LastFragment	Y	1	71	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 0 — Not Last Message Value: 1 — Last Message
<MessageBody>						
1369	MassActionReportID	Y	8	72	UTCTimestamp	Transaction timestamp.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1370	NoNotAffectedOrders	Y	2	80	Counter	Number of NotAffectedOrders repeating group instances.
28782	NoAffectedOrder-Requests	Y	2	82	Counter	Number of affected order transactions
39040	Pad4	U	4	84	Fixed String	not used
<NotAffectedOrdersGrp> Cardinality: 0-500, Record counter: NoNotAffectedOrders						
1371	>NotAffectedOrderID	Y	8	88	unsigned int	Exchange Order ID of an order whose cancellation is pending.
1372	>NotAffOrigClOrdID	N	8	96	unsigned int	Original Client Order ID of an order whose cancellation is pending.
<AffectedOrderRequestsGrp> Cardinality: 0-500, Record counter: NoAffectedOrderRequests						
28783	>AffectedOrder-RequestID	Y	4	0	unsigned int	ETI message sequence number affected by the transaction.
39040	>Pad4	U	4	4	Fixed String	not used

6.17 Order Mass Cancellation Response No Hits

This message confirms the Mass Cancellation request for orders if the order book of the session was not affected.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10124 (OrderMassActionReport, MsgType = BZ)
39020	Pad2	U	2	6	Fixed String	not used
<NRResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	Y	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	Y	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
893	LastFragment	Y	1	52	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 — Description: Last Message
39030	Pad3	U	3	53	Fixed String	not used
<MessageBody>						
1369	MassActionReportID	Y	8	56	UTCTimestamp	Transaction timestamp.

6.18 Order Mass Cancellation Notification

This message informs about an unsolicited mass cancellation event of orders. For more details, please refer to the ETI Manual, chapter Mass Cancellation Notification and Mass Cancellation Events.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10122 (OrderMassActionReport, MsgType = BZ)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeaderME>						
21003	TrdRegTSTimeOut	N	8	8	UTCTimestamp	Matching engine out timestamp.
25043	NotificationIn	N	8	16	UTCTimestamp	Timestamp the gateway receives a notification message from the Matching Engine.
52	SendingTime	Y	8	24	UTCTimestamp	Outgoing timestamp; filled always by the gateway
28727	ApplSubID	N	4	32	unsigned int	Only set for Listener Data.
5948	PartitionID	Y	2	36	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
28704	ApplMsgID	Y	16	38	data	Application message identifier assigned to an order or quote event.
1180	ApplID	Y	1	54	unsigned int	Identifier for an ETI data stream. Value: 4 – Session Data Value: 5 – Listener Data
1352	ApplResendFlag	Y	1	55	unsigned int	Indicates a retransmission message. Value: 0 – False Value: 1 – True
893	LastFragment	Y	1	56	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 0 – Not Last Message Value: 1 – Last Message

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
39070	Pad7	U	7	57	Fixed String	not used
<MessageBody>						
1369	MassActionReportID	Y	8	64	UTCTimestamp	Transaction timestamp.
48	SecurityID	N	8	72	signed int	Instrument identifier. Only set for mass cancellations on instrument (SecurityID) level.
44	Price	N	8	80	PriceType	Price boundary for deletion.
1300	MarketSegmentID	Y	4	88	signed int	Product identifier.
20655	TargetPartyIDSession-ID	Y	4	92	unsigned int	Session ID.
20612	TargetParty-IDExecutingTrader	N	4	96	unsigned int	Owning User ID.
20036	PartyIDEntering-Trader	N	4	100	unsigned int	Entering User ID.
1370	NoNotAffectedOrders	Y	2	104	Counter	Number of NotAffectedOrders repeating group instances.
28782	NoAffectedOrder-Requests	Y	2	106	Counter	Number of affected order transactions
20007	PartyIDEnteringFirm	N	1	108	unsigned int	Entering Entity ID. Value: 1 = Participant; 2 = Market Supervision
28721	MassActionReason	Y	1	109	unsigned int	Reason for mass cancellation. Value: 0 = No special reason; 1 = Trading was stopped; 2 = Emergency; 3 = Market Maker Protection; 6 = Session loss or logout; 7 = Duplicate Session Login; 8 = Clearing Risk Control; 100 = Internal connection loss; 107 = Instrument Suspended; 117 = Member has been disabled

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>18</td><td>ExecInst</td><td>Y</td><td>1</td><td>110</td><td>unsigned int</td><td>Instructions for order handling.<table><tr><td>Value</td><td>Description</td></tr><tr><td>3</td><td>Persistent and non-persistent orders affected (FIX value 'H Q')</td></tr><tr><td>2</td><td>Non-persistent Order (FIX value 'Q')</td></tr></table></td></tr>
<tr><td>54</td><td>Side</td><td>N</td><td>1</td><td>111</td><td>unsigned int</td><td>Side of the order.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Buy</td></tr><tr><td>2</td><td>Sell</td></tr></table></td></tr>
<tr><td colspan="7"><NotAffectedOrdersGrp> Cardinality: 0-500, Record counter: NoNotAffectedOrders</td></tr>
<tr><td>1371</td><td>>NotAffectedOrderID</td><td>Y</td><td>8</td><td>112</td><td>unsigned int</td><td>Exchange Order ID of an order whose cancellation is pending.</td></tr>
<tr><td>1372</td><td>>NotAffOrigClOrdID</td><td>N</td><td>8</td><td>120</td><td>unsigned int</td><td>Original Client Order ID of an order whose cancellation is pending.</td></tr>
<tr><td colspan="7"><AffectedOrderRequestsGrp> Cardinality: 0-500, Record counter: NoAffectedOrderRequests</td></tr>
<tr><td>28783</td><td>>AffectedOrder-RequestID</td><td>Y</td><td>4</td><td>0</td><td>unsigned int</td><td>ETI message sequence number affected by the transaction.</td></tr>
<tr><td>39040</td><td>>Pad4</td><td>U</td><td>4</td><td>4</td><td>Fixed String</td><td>not used</td></tr>
</table>

6.19 Extended Order Information

This message format is used for order book restatement, retransmission of order events, the Listener Broadcast and for unsolicited order events within the session data. For more details, please refer to the ETI Manual, chapter Order Status and Execution Reports.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10117 (ExecutionReport, MsgType = 8)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeaderME>						
21003	TrdRegTSTimeOut	N	8	8	UTCTimestamp	Matching engine out timestamp.
25043	NotificationIn	N	8	16	UTCTimestamp	Timestamp the gateway receives a notification message from the Matching Engine.
52	SendingTime	Y	8	24	UTCTimestamp	Outgoing timestamp; filled always by the gateway
28727	ApplSubID	N	4	32	unsigned int	Only set for Listener Data.
5948	PartitionID	Y	2	36	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
28704	ApplMsgID	N	16	38	data	Application message identifier assigned to an order or quote event.
1180	ApplID	Y	1	54	unsigned int	Identifier for an ETI data stream. Value: 4 — Session Data Value: 5 — Listener Data
1352	ApplResendFlag	Y	1	55	unsigned int	Indicates a retransmission message. Value: 0 — False Value: 1 — True
893	LastFragment	Y	1	56	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 0 — Not Last Message Value: 1 — Last Message

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
39070	Pad7	U	7	57	Fixed String	not used
<MessageBody>						
37	OrderID	Y	8	64	unsigned int	Exchange Order ID generated by the T7 System; it remains constant over the lifetime of an order.
11	ClOrdID	N	8	72	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.
41	OrigClOrdID	N	8	80	unsigned int	ClOrdID (11) of the last successfully processed task (request) referring to the specific order.
48	SecurityID	Y	8	88	signed int	Instrument identifier.
17	ExecID	Y	8	96	UTCTimestamp	Transaction timestamp.
21009	TrdRegTSEntryTime	Y	8	104	UTCTimestamp	The entry timestamp is the time of the creation of the order.
21008	TrdRegTSTime-Priority	Y	8	112	UTCTimestamp	Priority timestamp.
44	Price	N	8	120	PriceType	Limit price. Required if OrdType (40) is Limit (2) or Stop Limit (4).
151	LeavesQty	Y	8	128	Qty	Remaining quantity of an order.
14	CumQty	Y	8	136	Qty	Cumulated executed quantity of an order.
84	CxlQty	Y	8	144	Qty	Total quantity cancelled for this order.
38	OrderQty	Y	8	152	Qty	Total Order Quantity.
99	StopPx	N	8	160	PriceType	Stop price. Required if OrdType (40) is Stop (3) or used as the trigger price for an One-cancels-the-other order.
1300	MarketSegmentID	Y	4	168	signed int	Product identifier.
2424	MassOrderReportID	N	4	172	unsigned int	Mass order response identifier generated by the exchange
432	ExpireDate	N	4	176	LocalMktDate	Date of order expiry. Required if TimeInForce (59) = 6.
28744	MatchInstCrossID	N	4	180	unsigned int	Self Match Prevention ID.
20059	PartyIDExecutingUnit	N	4	184	unsigned int	Business Unit ID.
20055	PartyIDSessionID	N	4	188	unsigned int	Session ID.
20012	PartyIDExecuting-Trader	N	4	192	unsigned int	Owning User ID.
20036	PartyIDEntering-Trader	N	4	196	unsigned int	Entering User ID.
30555	NoLegExecs	Y	2	200	Counter	Number of InstrmntLegExec repeating group instances.

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>378</td><td>ExecRestatement-Reason</td><td>Y</td><td>2</td><td>202</td><td>unsigned int</td><td>Code to further qualify the field ExecType (150) of the Execution Report (8) message.
Valid values are listed after this table.</td></tr>
<tr><td>20007</td><td>PartyIDEnteringFirm</td><td>N</td><td>1</td><td>204</td><td>unsigned int</td><td>Entering Entity ID.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Participant</td></tr><tr><td>2</td><td>Market Supervision</td></tr></table></td></tr>
<tr><td>2964</td><td>SelfMatchPrevention-Instruction</td><td>N</td><td>1</td><td>205</td><td>unsigned int</td><td>Indicate the instruction for SMP. If MatchInstCrossID (28744) is set then the default value for SelfMatchPreventionInstruction is 100(Reject cross on business unit level)<table><tr><th>Value</th><th>Description</th></tr><tr><td>100</td><td>Reject cross on business unit level</td></tr><tr><td>101</td><td>Reject cross on market level</td></tr></table></td></tr>
<tr><td>1227</td><td>ProductComplex</td><td>Y</td><td>1</td><td>206</td><td>unsigned int</td><td>This field qualifies an instrument type on T7.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Simple instrument</td></tr><tr><td>2</td><td>Standard Option Strategy</td></tr><tr><td>3</td><td>Non-Standard Option Strategy</td></tr><tr><td>4</td><td>Volatility Strategy</td></tr><tr><td>5</td><td>Futures Spread</td></tr><tr><td>6</td><td>Inter-Product Spread</td></tr><tr><td>7</td><td>Standard Future Strategy</td></tr><tr><td>8</td><td>Pack and Bundle</td></tr><tr><td>9</td><td>Strip</td></tr><tr><td>11</td><td>Commodity Strip</td></tr><tr><td>12</td><td>Scaled Simple Instrument</td></tr><tr><td>13</td><td>Non-Standard Volatility Strategy</td></tr><tr><td>14</td><td>Total Return Future Strategy</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
39	OrdStatus	Y	1	207	char	Conveys the current status of an order. Value: 0 New; 1 Partially filled; 2 Filled; 4 Cancelled; 9 Suspended
150	ExecType	Y	1	208	char	The reason why this message was generated. Value: 0 New; 4 Cancelled; 5 Replaced; 9 Suspended; D Restated; L Triggered; F Trade
54	Side	Y	1	209	unsigned int	Side of the order. Value: 1 Buy; 2 Sell
40	OrdType	Y	1	210	unsigned int	Order type. Value: 1 Market; 2 Limit; 3 Stop; 4 Stop Limit
1815	TradingCapacity	Y	1	211	unsigned int	This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker. Value: 1 Customer (Agency); 5 Principal (Proprietary); 6 Market Maker

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
59	TimeInForce	N	1	212	unsigned int	Execution and trading restriction parameters supported by T7. Value: 0 – Day (GFD); 1 – Good Till Cancelled (GTC) - Standard Orders only; 3 – Immediate or Cancel (IOC); 4 – Fill Or Kill (FOK); 6 – Good Till Date (GTD) - Standard Orders only
18	ExecInst	N	1	213	unsigned int	Instructions for order handling. Value: 1 – Persistent Order (FIX value 'H'); 2 – Non-persistent Order (FIX value 'Q'); 5 – Persistent and Book or Cancel order (FIX value 'H 6'); 6 – Non-persistent and Book or Cancel order (FIX value 'Q 6')
625	TradingSessionSubID	N	1	214	unsigned int	Marks a certain order to be included in a defined auction. Value: 2 – Opening or opening auction; 4 – Closing or closing auction; 8 – Any auction
28703	ApplSeqIndicator	N	1	215	unsigned int	Indicates if the order is a Lean Order or a Standard Order. Value: 0 – No Recovery Required; 1 – Recovery Required
1	Account	N	2	216	Fixed String	Accounts to book trades and keep positions on. Valid characters: 1-9, \x41, \x47, \x49, \x4D, \x50, \x52
20038	PartyIDPosition-Account	N	32	218	Fixed String	'Flexible Account' information. Valid characters: \x20, \x30-\x39, \x41-\x5A

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
77	PositionEffect	N	1	250	char	Field is used for T7 position management purposes and indicates whether the order is submitted to open or close a position. Value: C = Close; O = Open
20096	PartyIDTakeUp-TradingFirm	N	5	251	Fixed String	Take-up Member Short Name. Valid characters: A-Z, 0-9, \x20
20013	PartyIDOrder-OriginationFirm	N	7	256	Fixed String	External Member ID. Valid characters: A-Z, 0-9, \x20
20032	PartyIDBeneficiary	N	9	263	Fixed String	Final Beneficiary. Valid characters: A-Z, 0-9, \x20
20075	PartyIDLocationID	N	2	272	Fixed String	Country code. Will be set to "XX" for non-capital letters. Valid characters: \x01-\x7E
1031	CustOrderHandling-Inst	N	1	274	Fixed String	Identifies the source of an order, in accordance with the FIA guidelines for a rate Identifier.The field is for participant use only. Value: W = Desk; Y = Electronic; C = Vendor-provided Platform billed by Executing Broker; G = Sponsored Access via Exchange API or FIX provided by Executing Broker; H = Premium Algorithmic Trading Provider billed by Executing Broker; D = Other, including Other-provided Screen; * = More values

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
2404	ComplianceText	N	20	275	Fixed String	This field is used to provide additional regulatory information (according to respective rules & regs, circulars and/or bilateral coordination between participant and Trading Surveillance Office). Valid characters: \x20, \x22-\x7B, \x7D, \x7E
25007	FreeText1	N	12	295	Fixed String	First free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25008	FreeText2	N	12	307	Fixed String	Second free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25009	FreeText3	N	12	319	Fixed String	Third free-format text field for trader-specific or customer-related comments. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
30011	FIXClOrdID	N	20	331	Fixed String	User defined client order ID Valid characters: \x20-\x7E
1362	NoFills	Y	1	351	Counter	Specifies the number of partial fills included in this Execution Report.
28555	NoLegOnbooks	Y	1	352	Counter	Number of InstrumentLeg repeating group instances. (only for on-book trades)
28790	NoOrderEvents	Y	1	353	Counter	Number of order events
1823	Triggered	Y	1	354	unsigned int	Indicates if an order has been previously triggered. Value: 0 = Not Triggered; 1 = Triggered Stop; 2 = Triggered OCO

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
2523	CrossedIndicator	Y	1	355	unsigned int	Indicates SMP involvement. Value: 0 – No crossing (Order not subject to crossing); 1 – Cross rejected (Order subject to crossing and match prevented)
39040	Pad4	U	4	356	Fixed String	not used
<LegOrdGrp> Cardinality: 0-144, Record counter: NoLegOnbooks						
2680	>LegAccount	N	2	360	Fixed String	Leg-specific account to book trades and keep positions on. Valid characters: 1-9, \x41, \x47, \x4D, \x50
564	>LegPositionEffect	Y	1	362	char	Leg-specific field used for T7 position management purposes and indicates whether the leg is submitted to open or close a position. Value: C – Close; O – Open
39050	>Pad5	U	5	363	Fixed String	not used
<FillsGrp> Cardinality: 0-100, Record counter: NoFills						
1364	>FillPx	Y	8	0	PriceType	Price of Fill.
1365	>FillQty	N	8	8	Qty	Quantity of Fill.
28708	>FillMatchID	Y	4	16	unsigned int	Unique identifier for each price level (match step) of a match event; it is used for public trade reporting.
1363	>FillExecID	Y	4	20	signed int	Private identifier of an order match step event, which can be reconciled with the field SideTradeID (1506) in the Trade Notification.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1443	>FillLiquidityInd	N	1	24	unsigned int	Indicates whether the order added or removed liquidity. Required only for execution reports generated for fills. Value: 1 = Added Liquidity; 2 = Removed Liquidity; 4 = Auction; 5 = Triggered Stop Order; 6 = Triggered OCO Order; 7 = Triggered Market Order
39070	>Pad7	U	7	25	Fixed String	not used
<InstrmntLegExecGrp> Cardinality: 0-600, Record counter: NoLegExecs						
602	>LegSecurityID	Y	8	0	signed int	Instrument identifier of the leg security.
637	>LegLastPx	Y	8	8	PriceType	Price of this leg fill.
1418	>LegLastQty	Y	8	16	Qty	Quantity executed in this leg fill.
1893	>LegExecID	Y	4	24	signed int	Private identifier of a leg match step, which can be reconciled with the field SideTradeID (1506) in the Trade Notification.
624	>LegSide	N	1	28	unsigned int	The side of the individual leg of a strategy as defined in its signature. LegSide should always be mandatory, except for Scaled Simple Instrument, LegSide should be empty. Value: 1 = Buy; 2 = Sell
2421	>FillRefID	Y	1	29	unsigned int	Reference to the corresponding FillsGrp repeating group instance.
39020	>Pad2	U	2	30	Fixed String	not used
<OrderEventGrp> Cardinality: 0-100, Record counter: NoOrderEvents						
1799	>OrderEventPx	N	8	0	PriceType	Price level for the order event.
1800	>OrderEventQty	Y	8	8	Qty	Quantity for the order event.
30060	>OrderEventMatchID	N	4	16	unsigned int	Unique identifier for each price level (match step) of an order event.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1798	>OrderEventReason	Y	1	20	unsigned int	Action that caused the event to occur. Value: 100 — SMP event
39030	>Pad3	U	3	21	Fixed String	not used

Valid Values of ExecRestatementReason (datatype ExecRestatementReason)

Valid Value	Description
1	Order book restatement
101	Order add accepted
102	Order modify accepted
103	Order delete accepted
105	IOC Order accepted
107	FOK Order accepted
122	Instrument State Change
108	Book Order executed
135	Market Order triggered and executed
149	Closing Auction Order has been activated
150	Closing Auction Order has been inactivated
151	Opening Auction Order has been activated
152	Opening Auction Order has been inactivated
153	Any Auction Order has been activated
154	Any Auction Order has been inactivated
164	One-cancels-the-other Order has been triggered
172	Stop Order has been triggered
212	Book or Cancel Order accepted
197	Pending order deletion
199	Pending order cancellation processed (end of FREEZE state)
181	Ownership Changed
114	Order has been changed to IOC
117	Member has been disabled
340	CLIP execution after improvement period
343	CLIP Request deleted by arrangement time out
344	CLIP Request deleted by arrangement validation
346	Cross order added
347	Cross order cancelled

6.20 Mass Order

This message is sent to the service "Order and Quote Management".

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10115 (MassOrder, MsgType = DJ)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
2423	MassOrderRequestID	N	8	24	unsigned int	Customer defined mass order identifier
20003	PartyIDClientID	N	8	32	unsigned int	MiFID field: Client Identifier field (ESMA Field 3 (Section A))used to identify the client of an order for agent account of the member or participant of the trading venue. If the Client Identifier field is not provided for agent orders, then they will be rejected. For orders sent with Trading Capacity Proprietary or Market Making, the Client Identifier field may remain empty.
20122	PartyIdInvestment-DecisionMaker	N	8	40	unsigned int	MiFID field: Investment decision within firm (ESMA Field 4 (Section A)) is the code used to identify the person or the algorithm within the member or participant of the Trading Venue who is responsible for the investment decision.
25123	ExecutingTrader	N	8	48	unsigned int	MiFID field: Executing Trader data Field(ESMA Field 5 (Section A))used to identify the person or algorithm within the member or participant of the trading venue who is responsible for the execution of the transaction resulting from the order.

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>20096</td><td>PartyIDTakeUp-TradingFirm</td><td>N</td><td>5</td><td>56</td><td>Fixed String</td><td>Take-up Member Short Name.
Valid characters: A-Z, 0-9, \x20</td></tr>
<tr><td>20013</td><td>PartyIDOrder-OriginationFirm</td><td>N</td><td>7</td><td>61</td><td>Fixed String</td><td>External Member ID.
Valid characters: A-Z, 0-9, \x20</td></tr>
<tr><td>20032</td><td>PartyIDBeneficiary</td><td>N</td><td>9</td><td>68</td><td>Fixed String</td><td>Final Beneficiary.
Valid characters: A-Z, 0-9, \x20</td></tr>
<tr><td>28710</td><td>PriceValidityCheck-Type</td><td>Y</td><td>1</td><td>77</td><td>unsigned int</td><td>Indicator how price validity check should be performed by the exchange(see the ETI Manual, chapter Price Reasonability Check).<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>None</td></tr><tr><td>1</td><td>Optional</td></tr><tr><td>2</td><td>Mandatory</td></tr></table></td></tr>
<tr><td>25126</td><td>ValueCheckTypeValue</td><td>Y</td><td>1</td><td>78</td><td>unsigned int</td><td>Indicator for checking the maximum order/quote value by the exchange.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Do not check</td></tr><tr><td>1</td><td>Check</td></tr></table></td></tr>
<tr><td>23002</td><td>OrderAttribute-LiquidityProvision</td><td>Y</td><td>1</td><td>79</td><td>unsigned int</td><td>MiFID field: Indication as to whether an order is submitted to a Trading Venue as part of a market making strategy.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Liquidity provision</td></tr><tr><td>0</td><td>No liquidity provision</td></tr></table></td></tr>
<tr><td>23003</td><td>OrderAttributeRisk-Reduction</td><td>N</td><td>1</td><td>80</td><td>unsigned int</td><td>MiFID field: Indication as to whether the transaction reduces risk in an objectively measurable way in accordance with Article 57 of Directive 2014/EU. The field is only applicable for commodity derivative transactions.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Risk reduction</td></tr><tr><td>0</td><td>No risk reduction</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
625	TradingSessionSubID	N	1	81	unsigned int	Marks a certain order to be included in a defined auction. Value: 2 – Opening or opening auction; 4 – Closing or closing auction; 8 – Any auction
1815	TradingCapacity	Y	1	82	unsigned int	This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker. Value: 1 – Customer (Agency); 5 – Principal (Proprietary); 6 – Market Maker
1724	OrderOrigination	N	1	83	unsigned int	MiFID field: Field to indicate order received from a direct access or sponsored access customer Value: 5 – Order received from a direct access customer; 105 – Order received from a sponsored access customer
21222	PartyIdInvestment-DecisionMaker-Qualifier	N	1	84	unsigned int	MiFID field: Qualifier for field PartyIdInvestmentDecisionMaker. Members/participants will have the possibility to specify an Investment qualifier value to distinguish between natural persons and Algos. Value: 22 – Algo; 24 – Human/Natural person
25124	ExecutingTrader-Qualifier	Y	1	85	unsigned int	MiFID field: Qualifier for field ExecutingTrader. It is required to distinguish between natural persons and Algos. Value: 22 – Algo; 24 – Human/Natural person

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1	Account	N	2	86	Fixed String	Accounts to book trades and keep positions on. Valid characters: 1-9, \x41, \x47, \x49, \x4D, \x50, \x52
20038	PartyIDPosition-Account	N	32	88	Fixed String	'Flexible Account' information. Valid characters: \x20, \x30-\x39, \x41-\x5A
77	PositionEffect	Y	1	120	char	Field is used for T7 position management purposes and indicates whether the order is submitted to open or close a position. Value: C – Close; O – Open
20075	PartyIDLocationID	N	2	121	Fixed String	Country code. Will be set to "XX" for non-capital letters. Valid characters: \x01-\x7E
1031	CustOrderHandling-Inst	N	1	123	Fixed String	Identifies the source of an order, in accordance with the FIA guidelines for a rate Identifier.The field is for participant use only. Value: W – Desk; Y – Electronic; C – Vendor-provided Platform billed by Executing Broker; G – Sponsored Access via Exchange API or FIX provided by Executing Broker; H – Premium Algorithmic Trading Provider billed by Executing Broker; D – Other, including Other-provided Screen; * – More values

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
2404	ComplianceText	N	20	124	Fixed String	This field is used to provide additional regulatory information (according to respective rules & regs, circulars and/or bilateral coordination between participant and Trading Surveillance Office). Valid characters: \x20, \x22-\x7B, \x7D, \x7E
25007	FreeText1	N	12	144	Fixed String	First free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25008	FreeText2	N	12	156	Fixed String	Second free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25009	FreeText3	N	12	168	Fixed String	Third free-format text field for trader-specific or customer-related comments. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25241	PartyEndClient-Identification	N	20	180	Fixed String	End client identifier. Valid characters: A-Z, 0-9, \x20, \x5F
2428	NoOrderEntries	Y	1	200	Counter	Number of order entries
39070	Pad7	U	7	201	Fixed String	not used
<OrderEntryGrp> Cardinality: 2-12, Record counter: NoOrderEntries						
44	>Price	Y	8	208	PriceType	Limit price. Required if OrdType (40) is Limit (2) or Stop Limit (4).
38	>OrderQty	Y	8	216	Qty	Total Order Quantity.
1300	>MarketSegmentID	Y	4	224	signed int	Product identifier.
39040	>Pad4	U	4	228	Fixed String	not used
48	>SecurityID	Y	8	232	signed int	Instrument identifier.
54	>Side	Y	1	240	unsigned int	Side of the order. Value: 1 = Buy; 2 = Sell

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1227</td><td>>ProductComplex</td><td>Y</td><td>1</td><td>241</td><td>unsigned int</td><td>This field qualifies an instrument type on T7.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Simple instrument</td></tr><tr><td>2</td><td>Standard Option Strategy</td></tr><tr><td>3</td><td>Non-Standard Option Strategy</td></tr><tr><td>4</td><td>Volatility Strategy</td></tr><tr><td>5</td><td>Futures Spread</td></tr><tr><td>6</td><td>Inter-Product Spread</td></tr><tr><td>7</td><td>Standard Future Strategy</td></tr><tr><td>8</td><td>Pack and Bundle</td></tr><tr><td>9</td><td>Strip</td></tr><tr><td>10</td><td>Flexible Simple Instrument</td></tr><tr><td>11</td><td>Commodity Strip</td></tr><tr><td>12</td><td>Scaled Simple Instrument</td></tr><tr><td>13</td><td>Non-Standard Volatility Strategy</td></tr><tr><td>14</td><td>Total Return Future Strategy</td></tr></table></td></tr>
<tr><td>39060</td><td>>Pad6</td><td>U</td><td>6</td><td>242</td><td>Fixed String</td><td>not used</td></tr>
</table>

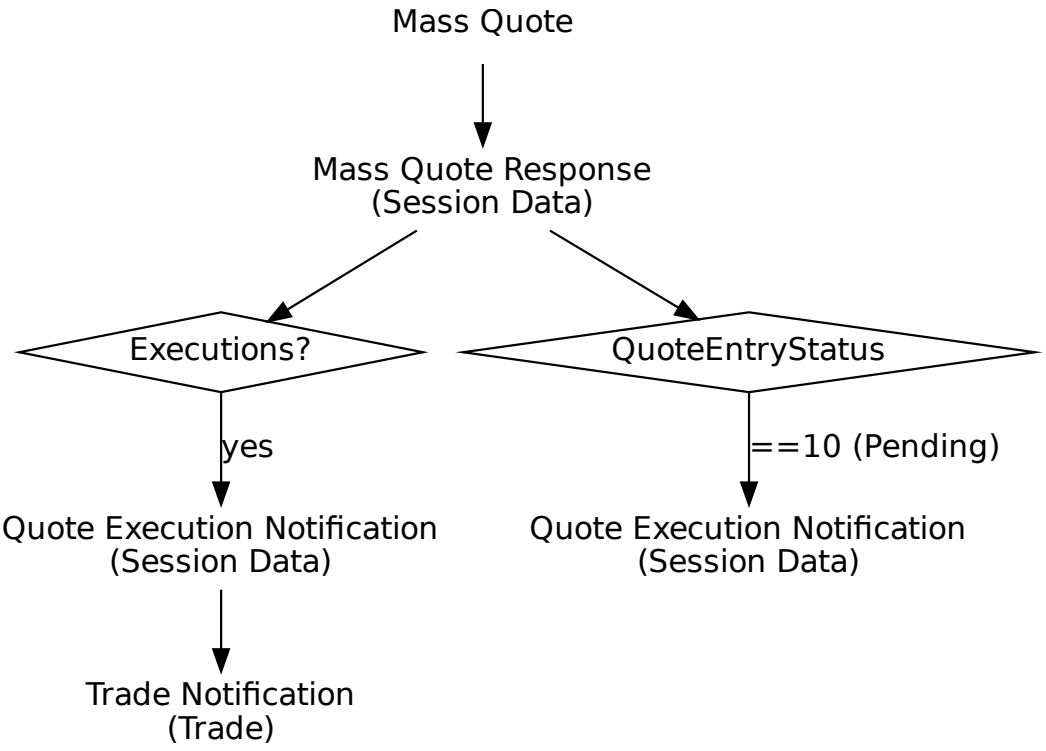
6.21 Mass Order Ack

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10116 (MassOrderAck, MsgType = DK)
39020	Pad2	U	2	6	Fixed String	not used
<NRResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	Y	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	Y	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
893	LastFragment	Y	1	52	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 — Description: Last Message
39030	Pad3	U	3	53	Fixed String	not used
<MessageBody>						
2423	MassOrderRequestID	N	8	56	unsigned int	Customer defined mass order identifier
2424	MassOrderReportID	Y	4	64	unsigned int	Mass order response identifier generated by the exchange
39040	Pad4	U	4	68	Fixed String	not used

7 Quote Handling

7.1 Mass Quote

Quotes are entered using the Mass Quote message. For more details, please refer to the ETI Manual, chapter Maintaining Quotes. This message is sent to the service "Order and Quote Management".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10405 (MassQuote, MsgType = i)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
117	QuoteID	Y	8	24	unsigned int	Customer defined mass quote identifier.
20122	PartyIdInvestment-DecisionMaker	N	8	32	unsigned int	MiFID field: Investment decision within firm (ESMA Field 4 (Section A)) is the code used to identify the person or the algorithm within the member or participant of the Trading Venue who is responsible for the investment decision.
25123	ExecutingTrader	N	8	40	unsigned int	MiFID field: Executing Trader data Field(ESMA Field 5 (Section A))used to identify the person or algorithm within the member or participant of the trading venue who is responsible for the execution of the transaction resulting from the order.
1300	MarketSegmentID	Y	4	48	signed int	Product identifier.
28744	MatchInstCrossID	N	4	52	unsigned int	Self Match Prevention ID.
25033	EnrichmentRuleID	N	2	56	unsigned int	Identifies an enrichment rule.
2964	SelfMatchPrevention-Instruction	N	1	58	unsigned int	Indicate the instruction for SMP. If MatchInstCrossID (28744) is set then the default value for SelfMatch-PreventionInstruction is 100(Reject cross on business unit level) Value: 100 – Reject cross on business unit level Value: 101 – Reject cross on market level
31625	CrossMatchInstruction	N	1	59	unsigned int	Indicate the instruction for SMP. Applicable only when MatchInstCrossID (28744) is set. When CrossMatch-Instruction is not set the default value is defined by the exchange Value: 1 – Cancel incoming order Value: 2 – Cancel resting order Value: 3 – Reduce/Cancel both incoming and resting order

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>28710</td><td>PriceValidityCheck-Type</td><td>Y</td><td>1</td><td>60</td><td>unsigned int</td><td>Indicator how price validity check should be performed by the exchange(see the ETI Manual, chapter Price Reasonability Check).<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>None</td></tr><tr><td>1</td><td>Optional</td></tr><tr><td>2</td><td>Mandatory</td></tr></table></td></tr>
<tr><td>25126</td><td>ValueCheckTypeValue</td><td>Y</td><td>1</td><td>61</td><td>unsigned int</td><td>Indicator for checking the maximum order/quote value by the exchange.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Do not check</td></tr><tr><td>1</td><td>Check</td></tr></table></td></tr>
<tr><td>28723</td><td>QuoteSizeType</td><td>Y</td><td>1</td><td>62</td><td>unsigned int</td><td>Identifies the quoting model.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Total Size (Quote Modification)</td></tr><tr><td>2</td><td>Open Size(Quote Entry)</td></tr></table></td></tr>
<tr><td>537</td><td>QuoteType</td><td>Y</td><td>1</td><td>63</td><td>unsigned int</td><td>Quote Type<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Indicative (for Continuous Auction Issuer trading model and Eurex/Xetra EnLight only)</td></tr><tr><td>1</td><td>Tradeable</td></tr><tr><td>100</td><td>Tradeable(BOC)</td></tr></table></td></tr>
<tr><td>23002</td><td>OrderAttribute-LiquidityProvision</td><td>Y</td><td>1</td><td>64</td><td>unsigned int</td><td>MiFID field: Indication as to whether an order is submitted to a Trading Venue as part of a market making strategy.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Liquidity provision</td></tr><tr><td>0</td><td>No liquidity provision</td></tr></table></td></tr>
<tr><td>295</td><td>NoQuoteEntries</td><td>Y</td><td>1</td><td>65</td><td>Counter</td><td>The number of quote entries for a Mass Quote.</td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
21222	PartyIdInvestment-DecisionMaker-Qualifier	N	1	66	unsigned int	MiFID field: Qualifier for field PartyIdInvestmentDecisionMaker. Members/participants will have the possibility to specify an Investment qualifier value to distinguish between natural persons and Algos. Value: 22 = Algo; 24 = Human/Natural person
25124	ExecutingTrader-Qualifier	Y	1	67	unsigned int	MiFID field: Qualifier for field ExecutingTrader. It is required to distinguish between natural persons and Algos. Value: 22 = Algo; 24 = Human/Natural person
39040	Pad4	U	4	68	Fixed String	not used
<QuoteEntryGrp> Cardinality: 0-100, Record counter: NoQuoteEntries						
48	>SecurityID	Y	8	72	signed int	Instrument identifier.
132	>BidPx	N	8	80	PriceType	Bid price/rate.
134	>BidSize	N	8	88	Qty	Quantity of bid.
133	>OfferPx	N	8	96	PriceType	Offer price/rate.
135	>OfferSize	N	8	104	Qty	Quantity of offer.

7.2 Mass Quote Response

This message is the acknowledgement for a Mass Quote request. For more details, please refer to the ETI Manual, chapter Maintaining Quotes. For a list of scenarios for the valid values of QuoteEntryStatus, please refer to the ETI Manual, chapter Quote Entry Status.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10406 (MassQuoteAcknowledgement, MsgType = b)
39020	Pad2	U	2	6	Fixed String	not used
<NRResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	Y	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	Y	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
893	LastFragment	Y	1	52	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 — Description: Last Message
39030	Pad3	U	3	53	Fixed String	not used
<MessageBody>						
117	QuoteID	Y	8	56	unsigned int	Customer defined mass quote identifier.
693	QuoteResponseID	Y	8	64	UTCTimestamp	Mass quote response identifier generated by the exchange.
1300	MarketSegmentID	Y	4	72	signed int	Product identifier.
28789	NoQuoteSideEntries	Y	1	76	Counter	Number of quote sides
39030	Pad3	U	3	77	Fixed String	not used
<QuoteEntryAckGrp> Cardinality: 0-200, Record counter: NoQuoteSideEntries						
48	>SecurityID	Y	8	80	signed int	Instrument identifier.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
28788	>CxlSize	N	8	88	Qty	Cancelled quantity
368	>QuoteEntryReject-Reason	N	4	96	unsigned int	Reason code indicating why the quote entry has been rejected. Valid values are listed after this table.
1167	>QuoteEntryStatus	Y	1	100	unsigned int	Identifies the status of an individual quote. Value: Description 0: Accepted with warning 5: Rejected 6: Removed from Market 10: Pending
54	>Side	Y	1	101	unsigned int	Side of the order. Value: Description 1: Buy 2: Sell
39020	>Pad2	U	2	102	Fixed String	not used

Valid Values of QuoteEntryRejectReason (datatype QuoteEntryRejectReason)

Valid Value	Description
1	Unknown security
6	Duplicate quote
8	Invalid price
16	Reference price not available
100	Single sided quotes not allowed
103	Invalid usage of quoting model
106	Invalid size
107	Invalid underlying price
108	Bid price not reasonable
109	Ask price not reasonable
110	Bid price exceeds extended price range
111	Ask price exceeds extended price range
115	Instrument state freeze
116	Deletion already pending
119	Entitlement not assigned for underlying
124	Instrument is currently not tradeable on book
125	Quantity exceeds trader specific limit
126	Value exceeds trader specific limit

127	Invalid quote spread
128	Book-or-Cancel quote type
131	Instrument state does not allow processing
134	Invalid quote type
143	Trading indication running for trader
144	On-Book trading disabled for instrument type
147	Liquidity provider protection bid side cancelled
148	Liquidity provider protection ask side cancelled
155	Quote entry outside quoting period not allowed
156	Match price resulting from entry of the matching quote is not a valid price step
161	Quantity exceeds transaction size limit
163	Too many orders and quotes in order book
166	Contract cannot be traded due to insufficient eligibility
167	the VF underlying price timed out, rejection of quote
168	the BU is suspended due to an ARP level 3 soft breach
169	incoming quote pair rejected due to no clearing product assignment
170	Value exceeds Product specific limit
*	More values

7.3 Quote Execution Notification

This message informs about quote match events. For more details, please refer to the ETI Manual, chapter Maintaining Quotes.

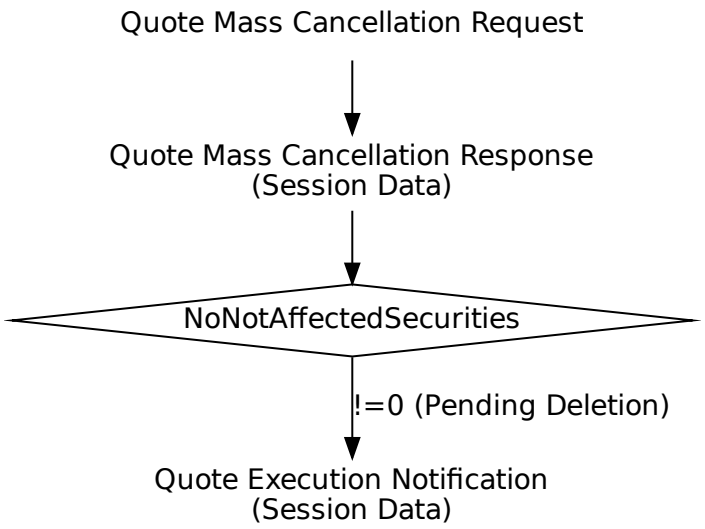
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10407 (QuoteExecutionReport, MsgType = U8)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeaderME>						
21003	TrdRegTSTimeOut	N	8	8	UTCTimestamp	Matching engine out timestamp.
25043	NotificationIn	N	8	16	UTCTimestamp	Timestamp the gateway receives a notification message from the Matching Engine.
52	SendingTime	Y	8	24	UTCTimestamp	Outgoing timestamp; filled always by the gateway
28727	ApplSubID	U	4	32	unsigned int	not used
5948	PartitionID	Y	2	36	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
28704	ApplMsgID	N	16	38	data	Application message identifier assigned to an order or quote event.
1180	ApplID	Y	1	54	unsigned int	Identifier for an ETI data stream. Value: 4 — Session Data
1352	ApplResendFlag	Y	1	55	unsigned int	Indicates a retransmission message. Value: 0 — False Value: 1 — True
893	LastFragment	Y	1	56	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 0 — Not Last Message Value: 1 — Last Message
39070	Pad7	U	7	57	Fixed String	not used
<MessageBody>						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
17	ExecID	Y	8	64	UTCTimestamp	Transaction timestamp.
1300	MarketSegmentID	Y	4	72	signed int	Product identifier.
30555	NoLegExecs	Y	2	76	Counter	Number of InstrmntLegExec repeating group instances.
28706	NoQuoteEvents	Y	1	78	Counter	Number of QuoteEvent repeating group instances.
39000	Pad1	U	1	79	Fixed String	not used
<QuoteEventGrp> Cardinality: 1 - 100, Record counter: NoQuoteEvents						
48	>SecurityID	Y	8	80	signed int	Instrument identifier.
28553	>QuoteEventPx	N	8	88	PriceType	Price of this fill.
28542	>QuoteEventQty	N	8	96	Qty	Quantity executed in this fill.
1166	>QuoteMsgID	Y	8	104	unsigned int	Customer defined mass quote identifier.
28714	>QuoteEventMatchID	N	4	112	unsigned int	Unique identifier for each price level (match step) of a match event; it is used for public trade reporting.
28711	>QuoteEventExecID	N	4	116	signed int	Private identifier of a quote match step, which can be reconciled with the field SideTradeID (1506) in the Trade Notification.
28539	>QuoteEventType	Y	1	120	unsigned int	Conveys the quote event type. Value: 3 – Removed Quote Side Value: 4 – Partially Filled Value: 5 – Filled Value: 6 – Quantity removed
28581	>QuoteEventSide	Y	1	121	unsigned int	Side of the quote. Value: 1 – Buy Value: 2 – Sell
28641	>QuoteEventLiquidityInd	N	1	122	unsigned int	Indicates whether the quote added or removed liquidity. Value: 1 – Added Liquidity Value: 2 – Removed Liquidity Value: 4 – Auction

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
28733	>QuoteEventReason	N	1	123	unsigned int	Additional information why quote side was removed. Value: 14 – Pending Cancellation Executed; 15 – Invalid Price; 16 – Quote subject to crossing and match prevented; 17 – Quote deleted due to Book-or-Cancel quote type; 18 – Quote deleted due to passive liquidity protection
39040	>Pad4	U	4	124	Fixed String	not used
<QuoteLegExecGrp> Cardinality: 0-600, Record counter: NoLegExecs						
602	>LegSecurityID	Y	8	0	signed int	Instrument identifier of the leg security.
637	>LegLastPx	Y	8	8	PriceType	Price of this leg fill.
1418	>LegLastQty	Y	8	16	Qty	Quantity executed in this leg fill.
1893	>LegExecID	Y	4	24	signed int	Private identifier of a leg match step, which can be reconciled with the field SideTradeID (1506) in the Trade Notification.
624	>LegSide	Y	1	28	unsigned int	The side of the individual leg of a strategy as defined in its signature. Value: 1 – Buy; 2 – Sell
25011	>NoQuoteEvents-Index	Y	1	29	unsigned int	Reference to the corresponding QuoteEvent repeating group instance.
39020	>Pad2	U	2	30	Fixed String	not used

7.4 Quote Mass Cancellation Request

This message is used for the mass cancellation of quotes. For more details, please refer to the ETI Manual, chapter Maintaining Quotes. This message is sent to the service "Order and Quote Management".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10408 (OrderMassActionRequest, MsgType = CA)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
20122	PartyIdInvestment-DecisionMaker	N	8	24	unsigned int	MiFID field: Investment decision within firm (ESMA Field 4 (Section A)) is the code used to identify the person or the algorithm within the member or participant of the Trading Venue who is responsible for the investment decision.
25123	ExecutingTrader	N	8	32	unsigned int	MiFID field: Executing Trader data Field(ESMA Field 5 (Section A))used to identify the person or algorithm within the member or participant of the trading venue who is responsible for the execution of the transaction resulting from the order.
1300	MarketSegmentID	Y	4	40	signed int	Product identifier.
20655	TargetPartyIDSession-ID	N	4	44	unsigned int	Session ID.
21222	PartyIdInvestment-DecisionMaker-Qualifier	N	1	48	unsigned int	MiFID field: Qualifier for field PartyIdInvestmentDecisionMaker. Members/participants will have the possibility to specify an Investment qualifier value to distinguish between natural persons and Algos. Value: 22 = Algo; 24 = Human/Natural person
25124	ExecutingTrader-Qualifier	Y	1	49	unsigned int	MiFID field: Qualifier for field ExecutingTrader. It is required to distinguish between natural persons and Algos. Value: 22 = Algo; 24 = Human/Natural person
39060	Pad6	U	6	50	Fixed String	not used

7.5 Quote Mass Cancellation Response

This message confirms a Quote Mass Cancellation request.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10409 (OrderMassActionReport, MsgType = BZ)
39020	Pad2	U	2	6	Fixed String	not used
<NRResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	N	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	N	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
893	LastFragment	Y	1	52	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 0 – Not Last Message Value: 1 – Last Message
39030	Pad3	U	3	53	Fixed String	not used
<MessageBody>						
1369	MassActionReportID	Y	8	56	UTCTimestamp	Transaction timestamp.
28707	NoNotAffected-Securities	Y	2	64	Counter	Number of NotAffectedSecurities repeating group instances.
39060	Pad6	U	6	66	Fixed String	not used
<NotAffectedSecuritiesGrp> Cardinality: 0-500, Record counter: NoNotAffectedSecurities						
28702	>NotAffected-SecurityID	Y	8	72	signed int	Instrument ID whose quote mass cancellation is pending.

7.6 Quote Mass Cancellation Notification

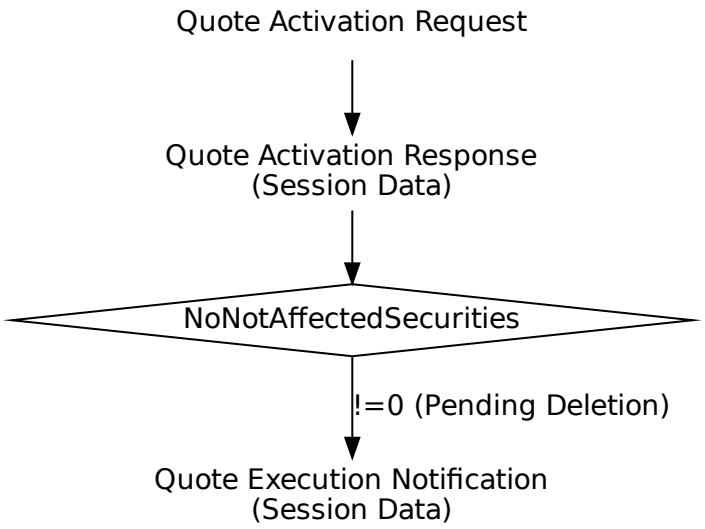
This message informs about an unsolicited Quote Mass Cancellation event. For more details, please refer to the ETI Manual, chapter Mass Cancellation Notification and Mass Cancellation Events.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10410 (OrderMassActionReport, MsgType = BZ)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeaderME>						
21003	TrdRegTSTimeOut	N	8	8	UTCTimestamp	Matching engine out timestamp.
25043	NotificationIn	N	8	16	UTCTimestamp	Timestamp the gateway receives a notification message from the Matching Engine.
52	SendingTime	Y	8	24	UTCTimestamp	Outgoing timestamp; filled always by the gateway
28727	ApplSubID	U	4	32	unsigned int	not used
5948	PartitionID	Y	2	36	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
28704	ApplMsgID	N	16	38	data	Application message identifier assigned to an order or quote event.
1180	ApplID	Y	1	54	unsigned int	Identifier for an ETI data stream. Value: 4 — Session Data
1352	ApplResendFlag	Y	1	55	unsigned int	Indicates a retransmission message. Value: 0 — False Value: 1 — True
893	LastFragment	Y	1	56	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 0 — Not Last Message Value: 1 — Last Message
39070	Pad7	U	7	57	Fixed String	not used

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageBody>						
1369	MassActionReportID	Y	8	64	UTCTimestamp	Transaction timestamp.
48	SecurityID	U	8	72	signed int	not used
1300	MarketSegmentID	Y	4	80	signed int	Product identifier.
20655	TargetPartyIDSession-ID	Y	4	84	unsigned int	Session ID.
20036	PartyIDEntering-Trader	N	4	88	unsigned int	Entering User ID.
20612	TargetParty-IDExecutingTrader	N	4	92	unsigned int	Owning User ID.
28707	NoNotAffected-Securities	Y	2	96	Counter	Number of NotAffectedSecurities repeating group instances.
28721	MassActionReason	Y	1	98	unsigned int	Reason for mass cancellation. Value: Description 0: No special reason 1: Trading was stopped 2: Emergency 3: Market Maker Protection 6: Session loss or logout 7: Duplicate Session Login 8: Clearing Risk Control 100: Internal connection loss 117: Member has been disabled
20007	PartyIDEnteringFirm	N	1	99	unsigned int	Entering Entity ID. Value: Description 1: Participant 2: Market Supervision
20676	TargetPartyIDDeskID	N	3	100	Fixed String	Trader Group. Valid characters: A-Z, 0-9, \x20
39000	Pad1	U	1	103	Fixed String	not used
<NotAffectedSecuritiesGrp> Cardinality: 0-500, Record counter: NoNotAffectedSecurities						
28702	>NotAffected-SecurityID	Y	8	104	signed int	Instrument ID whose quote mass cancellation or activation is pending.

7.7 Quote Activation Request

This message is used for inactivation and activation of quotes of a session within the product scope. For more details, please refer to the ETI Manual, chapter Quote Activation/Inactivation. This message is sent to the service "Order and Quote Management".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10403 (OrderMassActionRequest, MsgType = CA)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
20122	PartyIdInvestment-DecisionMaker	N	8	24	unsigned int	MiFID field: Investment decision within firm (ESMA Field 4 (Section A)) is the code used to identify the person or the algorithm within the member or participant of the Trading Venue who is responsible for the investment decision.
25123	ExecutingTrader	N	8	32	unsigned int	MiFID field: Executing Trader data Field(ESMA Field 5 (Section A))used to identify the person or algorithm within the member or participant of the trading venue who is responsible for the execution of the transaction resulting from the order.
1300	MarketSegmentID	Y	4	40	signed int	Product identifier.
20655	TargetPartyIDSession-ID	Y	4	44	unsigned int	Session ID.
1373	MassActionType	Y	1	48	unsigned int	Specifies the type of action requested. Value: 1 = Suspend quotes; 2 = Release quotes from suspension; 3 = Suspend and delete Quotes
28768	MassActionSubType	N	1	49	unsigned int	Restriction for MassAction-Type(1373) = Release_quotes(2). Value: 1 = Book or cancel
21222	PartyIdInvestment-DecisionMaker-Qualifier	N	1	50	unsigned int	MiFID field: Qualifier for field Party-IdInvestmentDecisionMaker. Members/participants will have the possibility to specify an Investment qualifier value to distinguish between natural persons and Algos. Value: 22 = Algo; 24 = Human/Natural person

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>25124</td><td>ExecutingTrader-Qualifier</td><td>Y</td><td>1</td><td>51</td><td>unsigned int</td><td>MiFID field: Qualifier for field ExecutingTrader. It is required to distinguish between natural persons and Algos.<table><tr><td>Value</td><td>Description</td></tr><tr><td>22</td><td>Algo</td></tr><tr><td>24</td><td>Human/Natural person</td></tr></table></td></tr>
<tr><td>39040</td><td>Pad4</td><td>U</td><td>4</td><td>52</td><td>Fixed String</td><td>not used</td></tr>
</table>

7.8 Quote Activation Response

The Quote Activation Response message confirms a Quote Activation Request.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10404 (OrderMassActionReport, MsgType = BZ)
39020	Pad2	U	2	6	Fixed String	not used
<NRResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	N	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	N	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
893	LastFragment	Y	1	52	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 0 – Not Last Message Value: 1 – Last Message
39030	Pad3	U	3	53	Fixed String	not used
<MessageBody>						
1369	MassActionReportID	Y	8	56	UTCTimestamp	Transaction timestamp.
28707	NoNotAffected-Securities	Y	2	64	Counter	Number of NotAffectedSecurities repeating group instances.
39060	Pad6	U	6	66	Fixed String	not used
<NotAffectedSecuritiesGrp> Cardinality: 0-500, Record counter: NoNotAffectedSecurities						
28702	>NotAffected-SecurityID	Y	8	72	signed int	Instrument ID whose quote mass cancellation or activation is pending.

7.9 Quote Activation Notification

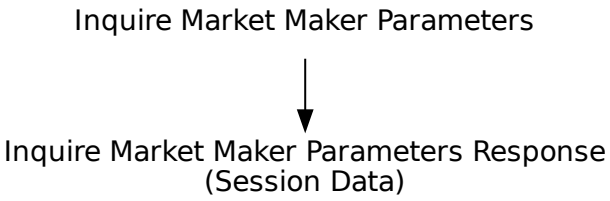
This message informs about an unsolicited inactivation and activation of quotes.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10411 (OrderMassActionReport, MsgType = BZ)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeaderME>						
21003	TrdRegTSTimeOut	N	8	8	UTCTimestamp	Matching engine out timestamp.
25043	NotificationIn	N	8	16	UTCTimestamp	Timestamp the gateway receives a notification message from the Matching Engine.
52	SendingTime	Y	8	24	UTCTimestamp	Outgoing timestamp; filled always by the gateway
28727	ApplSubID	U	4	32	unsigned int	not used
5948	PartitionID	Y	2	36	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
28704	ApplMsgID	Y	16	38	data	Application message identifier assigned to an order or quote event.
1180	ApplID	Y	1	54	unsigned int	Identifier for an ETI data stream. Value: 4 — Session Data
1352	ApplResendFlag	Y	1	55	unsigned int	Indicates a retransmission message. Value: 0 — False Value: 1 — True
893	LastFragment	Y	1	56	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 0 — Not Last Message Value: 1 — Last Message
39070	Pad7	U	7	57	Fixed String	not used
<MessageBody>						
1369	MassActionReportID	Y	8	64	UTCTimestamp	Transaction timestamp.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1300	MarketSegmentID	Y	4	72	signed int	Product identifier.
20036	PartyIDEntering-Trader	N	4	76	unsigned int	Entering User ID.
28707	NoNotAffected-Securities	Y	2	80	Counter	Number of NotAffectedSecurities repeating group instances.
20007	PartyIDEnteringFirm	N	1	82	unsigned int	Entering Entity ID. Value: 1 = Participant; 2 = Market Supervision
1373	MassActionType	Y	1	83	unsigned int	Specifies the type of action requested. Value: 1 = Suspend quotes; 2 = Release quotes from suspension; 3 = Suspend and delete Quotes
28768	MassActionSubType	N	1	84	unsigned int	Restriction for MassActionType(1373) = Release_quotes(2). Value: 1 = Book or cancel
28721	MassActionReason	Y	1	85	unsigned int	Reason for mass cancellation. Value: 0 = No special reason; 3 = Market Maker Protection
39020	Pad2	U	2	86	Fixed String	not used
<NotAffectedSecuritiesGrp> Cardinality: 0-500, Record counter: NoNotAffectedSecurities						
28702	>NotAffected-SecurityID	Y	8	88	signed int	Instrument ID whose quote mass cancellation or activation is pending.

7.10 Inquire Market Maker Parameters

This message is used to inquire for the Market Maker Parameters currently active for a session. For more details, please refer to the ETI Manual, chapter Market Maker Protection. This message is sent to the service "Order and Quote Management".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10305 (MMParameterRequest, MsgType = U17)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
1300	MarketSegmentID	Y	4	24	signed int	Product identifier.
20655	TargetPartyIDSessionID	N	4	28	unsigned int	Session ID.

7.11 Inquire Market Maker Parameters Response

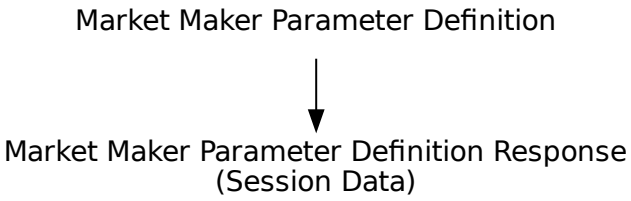
This message is the positive response to the Inquire Market Maker Parameters request.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10306 (MMParameterResponse, MsgType = U18)
39020	Pad2	U	2	6	Fixed String	not used
<NRResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	Y	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	Y	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
893	LastFragment	Y	1	52	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 — Description: Last Message
39030	Pad3	U	3	53	Fixed String	not used
<MessageBody>						
28717	MMParameterReportID	Y	8	56	UTCTimestamp	Transaction timestamp.
1300	MarketSegmentID	Y	4	64	signed int	Product identifier.
28705	NoMMParameters	Y	1	68	Counter	Number of MMParameters repeating group instances.
39030	Pad3	U	3	69	Fixed String	not used
<MMParameterGrp> Cardinality: 0 - 9, Record counter: NoMMParameters						
1629	>ExposureDuration	Y	8	72	signed int	Participant defined time frame (in milliseconds) the risk protection parameters should be counted.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
14	>CumQty	Y	8	80	Qty	Volume threshold: total number of traded contracts.
7966	>Delta	Y	8	88	Qty	The Delta counter holds for futures the difference of bought future contracts and sold future contracts.For options it is the the difference of (long calls + short puts) and (short calls + long puts).
7968	>Vega	Y	8	96	Qty	Absolute number of contracts purchased reduced by the number of contracts sold (for options only)
28615	>PctCount	Y	4	104	signed int	The Percent counter sums up each trade as a percentage of the original volume.
20655	>TargetParty-IDSessionID	N	4	108	unsigned int	Session ID.
25253	>MMRiskLimit-ActionType	Y	1	112	unsigned int	Action for reaching risk limit. Value: 1 — Quote inactivate Value: 2 — Quote inactivate and delete
39070	>Pad7	U	7	113	Fixed String	not used

7.12 Market Maker Parameter Definition

This message is used for definition of market maker protection parameters for a session. For more details, please refer to the ETI Manual, chapter Market Maker Protection. This message is sent to the service "Order and Quote Management".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10303 (MMParameterDefinitionRequest, MsgType = U14)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
1629	ExposureDuration	Y	8	24	signed int	Participant defined time frame (in milliseconds) the risk protection parameters should be counted.
14	CumQty	Y	8	32	Qty	Volume threshold: total number of traded contracts.
7966	Delta	Y	8	40	Qty	The Delta counter holds for futures the difference of bought future contracts and sold future contracts.For options it is the the difference of (long calls + short puts) and (short calls + long puts).

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
7968	Vega	Y	8	48	Qty	Absolute number of contracts purchased reduced by the number of contracts sold (for options only)
25253	MMRiskLimitAction-Type	Y	1	56	unsigned int	Action for reaching risk limit. Value: 1 = Quote inactivate; 2 = Quote inactivate and delete
39030	Pad3	U	3	57	Fixed String	not used
1300	MarketSegmentID	Y	4	60	signed int	Product identifier.
20655	TargetPartyIDSession-ID	N	4	64	unsigned int	Session ID.
28615	PctCount	Y	4	68	signed int	The Percent counter sums up each trade as a percentage of the original volume.

7.13 Market Maker Parameter Definition Response

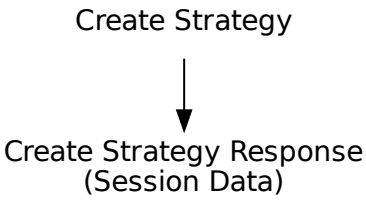
This message confirms a Market Maker Parameter Definition request.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10304 (RequestAcknowledge, MsgType = U1)
39020	Pad2	U	2	6	Fixed String	not used
<NRResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	Y	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	Y	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
893	LastFragment	Y	1	52	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 — Description: Last Message
39030	Pad3	U	3	53	Fixed String	not used
<MessageBody>						
17	ExecID	N	8	56	UTCTimestamp	Transaction timestamp.

8 Strategy Creation

8.1 Create Strategy

The Security Definition Request message is used to create a strategy on T7. For more details, please refer to the ETI Manual, chapter Creation of a Strategy. This message is sent to the service "Order and Quote Management".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10301 (SecurityDefinitionRequest, MsgType = c)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
28908	RelatedPx	N	8	24	PriceType	Basis Price or Custom Underlying Price for Total Return Future Strategy
1300	MarketSegmentID	Y	4	32	signed int	Product identifier.
762	SecuritySubType	N	4	36	signed int	Strategy Type.Required for ProductComplex (1227) = 2=Standard Option Strategy, 4=Option Volatility Strategy, 6=Inter Product Spread, 7=Standard Future Strategy, 8=Pack and Bundle, 14 = Total Return Future Strategy

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
28907	QuantityScalingFactor	N	2	40	unsigned int	Quantity Scaling Factor for Scaled Instruments.
1227	ProductComplex	Y	1	42	unsigned int	This field qualifies an instrument type on T7. Value: 2 – Standard Option Strategy 3 – Non-Standard Option Strategy 4 – Volatility Strategy 5 – Futures Spread 6 – Inter-Product Spread 7 – Standard Future Strategy 8 – Pack and Bundle 9 – Strip 11 – Commodity Strip 12 – Scaled Simple Instrument 13 – Non-Standard Volatility Strategy 14 – Total Return Future Strategy
28555	NoLegOnbooks	Y	1	43	Counter	Number of InstrumentLeg repeating group instances. (only for on-book trades)
1377	MultilegModel	N	1	44	unsigned int	Specifies if a strategy is temporarily (user-defined) or permanently (predefined) available. Value: 0 – Predefined Multileg Security 1 – User-defined Multleg Security
28803	EnableCustom-CommodityStrip	N	1	45	unsigned int	Flag to enable customer defined commodity strips. Only for Nodal Market Supervision users. Value: 1 – Yes

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
2404	ComplianceText	N	20	46	Fixed String	This field is used to provide additional regulatory information (according to respective rules & regs, circulars and/or bilateral coordination between participant and Trading Surveillance Office). Valid characters: \x20, \x22-\x7B, \x7D, \x7E
28699	DisplayNameAlias	N	190	66	Fixed String	User-defined aliases for the complex instrument name. Only for Nodal Market Supervision users. Valid characters: \x20, \x23-\x25, \x28-\x2B, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
28802	PeriodAlias	N	45	256	Fixed String	User-defined aliases for the period of a complex instrument. Only for Nodal Market Supervision users. Valid characters: \x20, \x23-\x25, \x28-\x2B, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
39030	Pad3	U	3	301	Fixed String	not used
<InstrmtLegGrp> Cardinality: 0 - 144, Record counter: NoLegOnbooks						
602	>LegSecurityID	Y	8	304	signed int	Instrument identifier of the leg security.
566	>LegPrice	N	8	312	PriceType	Strategy leg underlying price
600	>LegSymbol	N	4	320	signed int	Product identifier of the leg security
623	>LegRatioQty	Y	4	324	unsigned int	The ratio of quantity for this individual leg relative to the entire multileg security.
624	>LegSide	Y	1	328	unsigned int	The side of the individual leg of a strategy as defined in its signature. Value: 1 = Buy; 2 = Sell
609	>LegSecurityType	Y	1	329	unsigned int	Indicates type of leg. Value: 1 = Multileg Instrument; 2 = Underlying Leg
39060	>Pad6	U	6	330	Fixed String	not used

8.2 Create Strategy Response

This message confirms the creation of a strategy or returns the parameters of an existing strategy. For more details, please refer to the ETI Manual, chapter Creation of a Strategy.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10302 (SecurityDefinition, MsgType = d)
39020	Pad2	U	2	6	Fixed String	not used
<NRResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	Y	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	Y	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
893	LastFragment	Y	1	52	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 — Description: Last Message
39030	Pad3	U	3	53	Fixed String	not used
<MessageBody>						
1148	LowLimitPrice	N	8	56	PriceType	Allowable low limit price for the trading day. A key parameter in validating order price. Used as the lower band for validating order prices. Orders submitted with prices below the lower limit will be rejected.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1149	HighLimitPrice	N	8	64	PriceType	Allowable high limit price for the trading day. A key parameter in validating order price. Used as the upper band for validating order prices. Orders submitted with prices above the upper limit will be rejected.
28908	RelatedPx	N	8	72	PriceType	Basis Price or Custom Underlying Price for Total Return Future Strategy
48	SecurityID	Y	8	80	signed int	Instrument identifier.
779	LastUpdateTime	Y	8	88	UTCTimestamp	Creation timestamp of the strategy.
322	SecurityResponseID	Y	8	96	UTCTimestamp	Identifier for the Security Definition message.
1300	MarketSegmentID	Y	4	104	signed int	Product identifier.
28614	NumberOfSecurities	Y	4	108	signed int	Number of strategies that have been created per session, product, instrument type and business day.
762	SecuritySubType	N	4	112	signed int	Sub-type qualification/identification of the SecurityType
28907	QuantityScalingFactor	N	2	116	unsigned int	Quantity Scaling Factor for Scaled Instruments.
1377	MultilegModel	Y	1	118	unsigned int	Specifies if a strategy is temporarily (user-defined) or permanently (predefined) available. Value: 0 — Predefined Multileg Security Value: 1 — User-defined Multleg Security

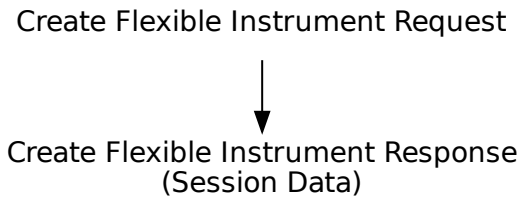
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1144	ImpliedMarket-Indicator	Y	1	119	unsigned int	Indicates that an implied market to be created for either the legs of a multi-leg instrument (Implied-in) or for the multi-leg instrument based on the existence of the legs (Implied-out).Determination as to whether implied markets should be created is generally done at the level of the multi-leg instrument.Commonly used in listed derivatives. Value: 0 – Not implied Value: 3 – Both Implied-in and Implied-out
1227	ProductComplex	Y	1	120	unsigned int	This field qualifies an instrument type on T7. Value: 2 – Standard Option Strategy Value: 3 – Non-Standard Option Strategy Value: 4 – Volatility Strategy Value: 5 – Futures Spread Value: 6 – Inter-Product Spread Value: 7 – Standard Future Strategy Value: 8 – Pack and Bundle Value: 9 – Strip Value: 11 – Commodity Strip Value: 12 – Scaled Simple Instrument Value: 13 – Non-Standard Volatility Strategy Value: 14 – Total Return Future Strategy
28555	NoLegOnbooks	Y	1	121	Counter	Number of InstrumentLeg repeating group instances. (only for on-book trades)
39060	Pad6	U	6	122	Fixed String	not used
<InstrmtLegGrp> Cardinality: 0 - 144, Record counter: NoLegOnbooks						
602	>LegSecurityID	Y	8	128	signed int	Instrument identifier of the leg security.
566	>LegPrice	N	8	136	PriceType	Strategy leg underlying price
600	>LegSymbol	N	4	144	signed int	Product identifier of the leg security

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>623</td><td>>LegRatioQty</td><td>Y</td><td>4</td><td>148</td><td>unsigned int</td><td>The ratio of quantity for this individual leg relative to the entire multileg security.</td></tr>
<tr><td>624</td><td>>LegSide</td><td>Y</td><td>1</td><td>152</td><td>unsigned int</td><td>The side of the individual leg of a strategy as defined in its signature.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Buy</td></tr><tr><td>2</td><td>Sell</td></tr></table></td></tr>
<tr><td>609</td><td>>LegSecurityType</td><td>Y</td><td>1</td><td>153</td><td>unsigned int</td><td>Indicates type of leg.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Multileg Instrument</td></tr><tr><td>2</td><td>Underlying Leg</td></tr></table></td></tr>
<tr><td>39060</td><td>>Pad6</td><td>U</td><td>6</td><td>154</td><td>Fixed String</td><td>not used</td></tr>
</table>

9 Flexible Instrument Creation

9.1 Create Flexible Instrument Request

This message is used to create a flexible instrument on T7. This message is sent to the service "Order and Quote Management".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10309 (SecurityDefinitionRequest, MsgType = c)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
202	StrikePrice	N	8	24	PriceType	Strike Price for an Option.
1300	MarketSegmentID	Y	4	32	signed int	Product identifier.
541	MaturityDate	N	4	36	LocalMktDate	Date of maturity.
30866	ContractDate	N	4	40	LocalMktDate	Business date to identify an instrument
1193	SettlMethod	Y	1	44	char	Settlement method for a contract or instrument. Value: Description C: Cash Settlement P: Physical Settlement
206	OptAttribute	N	1	45	unsigned int	Version of option contract.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
201	PutOrCall	N	1	46	unsigned int	Indicates whether an option contract is a put or call. Value: 0 = Put; 1 = Call
1194	ExerciseStyle	N	1	47	unsigned int	Type of exercise of an instrument. Value: 0 = European; 1 = American
2404	ComplianceText	N	20	48	Fixed String	This field is used to provide additional regulatory information (according to respective rules & regs, circulars and/or bilateral coordination between participant and Trading Surveillance Office). Valid characters: \x20, \x22-\x7B, \x7D, \x7E
39040	Pad4	U	4	68	Fixed String	not used

9.2 Create Flexible Instrument Response

This message confirms the creation of a flexible instrument.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10310 (SecurityDefinition, MsgType = d)
39020	Pad2	U	2	6	Fixed String	not used
<NRResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	Y	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	Y	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
893	LastFragment	Y	1	52	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 — Description: Last Message
39030	Pad3	U	3	53	Fixed String	not used
<MessageBody>						
322	SecurityResponseID	Y	8	56	UTCTimestamp	Identifier for the Security Definition message.
48	SecurityID	Y	8	64	signed int	Instrument identifier.
202	StrikePrice	N	8	72	PriceType	Strike Price for an Option.
1300	MarketSegmentID	Y	4	80	signed int	Product identifier.
541	MaturityDate	N	4	84	LocalMktDate	Date of maturity.
30866	ContractDate	N	4	88	LocalMktDate	Business date to identify an instrument

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1227	ProductComplex	N	1	92	unsigned int	This field qualifies an instrument type on T7. Value: 10 — Flexible Simple Instrument
1193	SettlMethod	Y	1	93	char	Settlement method for a contract or instrument. Value: C — Cash Settlement Value: P — Physical Settlement
206	OptAttribute	N	1	94	unsigned int	Version of option contract.
201	PutOrCall	N	1	95	unsigned int	Indicates whether an option contract is a put or call. Value: 0 — Put Value: 1 — Call
1194	ExerciseStyle	N	1	96	unsigned int	Type of exercise of an instrument. Value: 0 — European Value: 1 — American
39070	Pad7	U	7	97	Fixed String	not used

10 Scaled Simple Instrument Creation

10.1 Create Scaled Simple Instrument Request

This message is sent to the service "Order and Quote Management".

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10327 (SecurityDefinitionRequest, MsgType = c)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
1650	RelatedSecurityID	Y	8	24	signed int	Instrument identifier of the original T7 strategy.
1300	MarketSegmentID	Y	4	32	signed int	Product identifier.
28907	QuantityScalingFactor	Y	2	36	unsigned int	Quantity Scaling Factor for Scaled Instruments.
1377	MultilegModel	N	1	38	unsigned int	Specifies if a strategy is temporarily (user-defined) or permanently (predefined) available. Value: 0 — Predefined Multileg Security Value: 1 — User-defined Multleg Security
28699	DisplayNameAlias	N	190	39	Fixed String	User-defined aliases for the complex instrument name. Only for Nodal Market Supervision users. Valid characters: \x20, \x23-\x25, \x28-\x2B, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
28802	PeriodAlias	N	45	229	Fixed String	User-defined aliases for the period of a complex instrument. Only for Nodal Market Supervision users. Valid characters: \x20, \x23-\x25, \x28-\x2B, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
39060	Pad6	U	6	274	Fixed String	not used

10.2 Create Scaled Simple Instrument Response

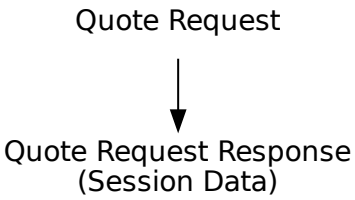
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10328 (SecurityDefinition, MsgType = d)
39020	Pad2	U	2	6	Fixed String	not used
<NRResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	Y	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	Y	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
893	LastFragment	Y	1	52	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 — Description: Last Message
39030	Pad3	U	3	53	Fixed String	not used
<MessageBody>						
1650	RelatedSecurityID	Y	8	56	signed int	Instrument identifier of the original T7 strategy.
48	SecurityID	Y	8	64	signed int	Instrument identifier.
779	LastUpdateTime	Y	8	72	UTCTimestamp	Creation timestamp of the strategy.
322	SecurityResponseID	Y	8	80	UTCTimestamp	Identifier for the Security Definition message.
1300	MarketSegmentID	Y	4	88	signed int	Product identifier.
28907	QuantityScalingFactor	Y	2	92	unsigned int	Quantity Scaling Factor for Scaled Instruments.

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1377</td><td>MultilegModel</td><td>Y</td><td>1</td><td>94</td><td>unsigned int</td><td>Specifies if a strategy is temporarily (user-defined) or permanently (predefined) available.<table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>Predefined Multileg Security</td></tr><tr><td>1</td><td>User-defined Multleg Security</td></tr></table></td></tr>
<tr><td>1144</td><td>ImpliedMarket-Indicator</td><td>Y</td><td>1</td><td>95</td><td>unsigned int</td><td>Indicates that an implied market to be created for either the legs of a multi-leg instrument (Implied-in) or for the multi-leg instrument based on the existence of the legs (Implied-out).Determination as to whether implied markets should be created is generally done at the level of the multi-leg instrument.Commonly used in listed derivatives.<table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>Not implied</td></tr><tr><td>3</td><td>Both Implied-in and Implied-out</td></tr></table></td></tr>
<tr><td>1227</td><td>ProductComplex</td><td>Y</td><td>1</td><td>96</td><td>unsigned int</td><td>This field qualifies an instrument type on T7.<table><tr><td>Value</td><td>Description</td></tr><tr><td>12</td><td>Scaled Simple Instrument</td></tr></table></td></tr>
<tr><td>39070</td><td>Pad7</td><td>U</td><td>7</td><td>97</td><td>Fixed String</td><td>not used</td></tr>
</table>

11 Quote and Cross Request

11.1 Quote Request

This message is used to send a Quote Request. For more details, please refer to the ETI Manual, chapter Request for Quote. This message is sent to the service "Order and Quote Management".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10401 (QuoteRequest, MsgType = R)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
48	SecurityID	Y	8	24	signed int	Instrument identifier.
38	OrderQty	N	8	32	Qty	Total Order Quantity.
1300	MarketSegmentID	Y	4	40	signed int	Product identifier.
54	Side	N	1	44	unsigned int	Side of the order. Value: 1 = Buy; 2 = Sell

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
2404	ComplianceText	N	20	45	Fixed String	This field is used to provide additional regulatory information (according to respective rules & regs, circulars and/or bilateral coordination between participant and Trading Surveillance Office). Valid characters: \x20, \x22-\x7B, \x7D, \x7E
39070	Pad7	U	7	65	Fixed String	not used

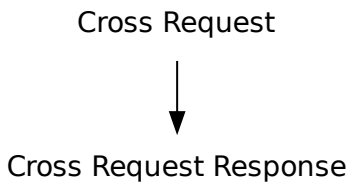
11.2 Quote Request Response

This message confirms a Quote Request.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10402 (RequestAcknowledge, MsgType = U1)
39020	Pad2	U	2	6	Fixed String	not used
<NRResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	Y	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	Y	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
893	LastFragment	Y	1	52	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 — Description: Last Message
39030	Pad3	U	3	53	Fixed String	not used
<MessageBody>						
17	ExecID	Y	8	56	UTCTimestamp	Transaction timestamp.

11.3 Cross Request

This message is used to create a Cross Request. For more details, please refer to the ETI Manual, chapter Cross Request. This message is sent to the service "Order and Quote Management".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10118 (CrossRequest, MsgType = DS)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
48	SecurityID	Y	8	24	signed int	Instrument identifier.
38	OrderQty	Y	8	32	Qty	Total Order Quantity.
1300	MarketSegmentID	Y	4	40	signed int	Product identifier.
2404	ComplianceText	N	20	44	Fixed String	This field is used to provide additional regulatory information (according to respective rules & regs, circulars and/or bilateral coordination between participant and Trading Surveillance Office). Valid characters: \x20, \x22-\x7B, \x7D, \x7E

11.4 Cross Request Response

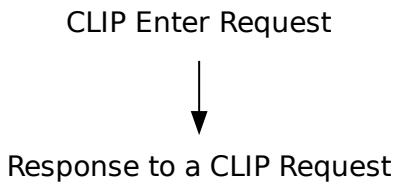
This message confirms a Cross Request.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10119 (RequestAcknowledge, MsgType = U1)
39020	Pad2	U	2	6	Fixed String	not used
<NRResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	Y	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	Y	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
893	LastFragment	Y	1	52	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 — Description: Last Message
39030	Pad3	U	3	53	Fixed String	not used
<MessageBody>						
17	ExecID	Y	8	56	UTCTimestamp	Transaction timestamp.

12 CLIP Trading

12.1 CLIP Enter Request

This message is sent to the service "Order and Quote Management".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10131 (Cross-Request, MsgType = DS)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
48	SecurityID	Y	8	24	signed int	Instrument identifier.
44	Price	Y	8	32	PriceType	Limit price. Required if OrdType (40) is Limit (2) or Stop Limit (4).
38	OrderQty	Y	8	40	Qty	Total Order Quantity.
1300	MarketSegmentID	Y	4	48	signed int	Product identifier.
548	CrossID	N	4	52	signed int	User defined CLIP arrangement ID.
2672	CrossRequestID	N	4	56	signed int	User defined transaction ID.
552	NoSides	Y	1	60	Counter	
1829	NoCrossLegs	Y	1	61	Counter	
28771	CrossRequestType	Y	1	62	unsigned int	Type of the Cross Request. Value: 1 — Cross Announcement Value: 2 — Liquidity Improvement Cross

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
549	CrossType	N	1	63	unsigned int	Type of cross being submitted to a market. Mandatory for CrossRequestType(28771) = 1(Cross Announcement) Value: 2 — Immediate-or-cancel-cross Value: 3 — One sided cross - unfilled quantity remains active after crossing. Only applicable for CrossRequestType(28771) = 1(Cross Announcement)
550	CrossPrioritization	N	1	64	unsigned int	Prioritization of a cross order. Mandatory for CrossRequestType(28771) = 1(Cross Announcement) Value: 1 — Buy side is prioritized Value: 2 — Sell side is prioritized
25130	SideDisclosure-Instruction	N	1	65	unsigned int	Instruction to show side. Only supported for CrossRequestType(28771) = 2(Liquidity Improvement Cross) Value: 0 — No Value: 1 — Yes
25131	PriceDisclosure-Instruction	N	1	66	unsigned int	Instruction to show price. Only supported for CrossRequestType(28771) = 2(Liquidity Improvement Cross) Value: 0 — No Value: 1 — Yes
25136	OrderQtyDisclosure-Instruction	N	1	67	unsigned int	Instruction to show total quantity. Only supported for CrossRequestType(28771) = 2(Liquidity Improvement Cross) Value: 0 — No Value: 1 — Yes

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
28710	PriceValidityCheck-Type	N	1	68	unsigned int	Indicator how price validity check should be performed by the exchange(see the ETI Manual, chapter Price Reasonability Check). Mandatory for CrossRequestType(28771) = 1(Cross Announcement) Value: 0 None; 1 Optional; 2 Mandatory
25126	ValueCheckTypeValue	N	1	69	unsigned int	Indicator for checking the maximum order/quote value by the exchange. Mandatory for CrossRequestType(28771) = 1(Cross Announcement) Value: 0 Do not check; 1 Check
22417	RootPartyContraFirm	N	5	70	Fixed String	The identifier of the member counterparty institution. Valid characters: A-Z, 0-9, \x20
22437	RootPartyContra-Trader	N	6	75	Fixed String	The identifier of the trader counterparty. Valid characters: A-Z, 0-9, \x20
39070	Pad7	U	7	81	Fixed String	not used
<CrossRequestSideGrp> Cardinality: 1-2, Record counter: NoSides						
11	>ClOrdID	N	8	88	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.
20003	>PartyIDClientID	N	8	96	unsigned int	MiFID field: Client Identifier field (ESMA Field 3 (Section A))used to identify the client of an order for agent account of the member or participant of the trading venue. If the Client Identifier field is not provided for agent orders, then they will be rejected. For orders sent with Trading Capacity Proprietary or Market Making, the Client Identifier field may remain empty.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
20122	>PartyIdInvestment-DecisionMaker	N	8	104	unsigned int	MiFID field: Investment decision within firm (ESMA Field 4 (Section A)) is the code used to identify the person or the algorithm within the member or participant of the Trading Venue who is responsible for the investment decision.
25123	>ExecutingTrader	N	8	112	unsigned int	MiFID field: Executing Trader data Field(ESMA Field 5 (Section A))used to identify the person or algorithm within the member or participant of the trading venue who is responsible for the execution of the transaction resulting from the order.
28773	>MaximumPrice	N	8	120	PriceType	Maximum Price. Only applicable for CrossRequestType(28771) = 2(Liquidity Improvement Cross)
28744	>MatchInstCrossID	N	4	128	unsigned int	Self Match Prevention ID. Only applicable for CrossRequestType(28771) = 1(Cross Announcement)
979	>InputSource	N	1	132	unsigned int	Role on/for a message Only applicable for CrossRequestType(28771) = 2(Liquidity Improvement Cross) Value: 1 = Client Broker; 2 = Proprietary Broker
54	>Side	Y	1	133	unsigned int	Side of the order. Value: 1 = Buy; 2 = Sell

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
2964	>SelfMatch-PreventionInstruction	N	1	134	unsigned int	Indicate the instruction for SMP. If MatchInstCrossID (28744) is set then the default value for SelfMatch-PreventionInstruction is 100(Reject cross on business unit level) Only applicable for CrossRequestType(28771) = 1(Cross Announcement) Value: 100 = Reject cross on business unit level; 101 = Reject cross on market level
31625	>CrossMatch-Instruction	N	1	135	unsigned int	Indicate the instruction for SMP. Applicable only when MatchInstCrossID (28744) is set. When CrossMatch-Instruction is not set the default value is defined by the exchange Only applicable for CrossRequestType(28771) = 1(Cross Announcement) Value: 1 = Cancel incoming order; 2 = Cancel resting order; 3 = Reduce/Cancel both incoming and resting order
1815	>TradingCapacity	Y	1	136	unsigned int	This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker. Value: 1 = Customer (Agency); 5 = Principal (Proprietary); 6 = Market Maker
25124	>ExecutingTrader-Qualifier	Y	1	137	unsigned int	MiFID field: Qualifier for field ExecutingTrader. It is required to distinguish between natural persons and Algos. Value: 22 = Algo; 24 = Human/Natural person

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>23002</td><td>>OrderAttribute-LiquidityProvision</td><td>Y</td><td>1</td><td>138</td><td>unsigned int</td><td>MiFID field: Indication as to whether an order is submitted to a Trading Venue as part of a market making strategy.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Liquidity provision</td></tr><tr><td>0</td><td>No liquidity provision</td></tr></table></td></tr>
<tr><td>21222</td><td>>PartyIdInvestment-DecisionMaker-Qualifier</td><td>N</td><td>1</td><td>139</td><td>unsigned int</td><td>MiFID field: Qualifier for field PartyIdInvestmentDecisionMaker. Members/participants will have the possibility to specify an Investment qualifier value to distinguish between natural persons and Algos.<table><tr><th>Value</th><th>Description</th></tr><tr><td>22</td><td>Algo</td></tr><tr><td>24</td><td>Human/Natural person</td></tr></table></td></tr>
<tr><td>23003</td><td>>OrderAttributeRisk-Reduction</td><td>N</td><td>1</td><td>140</td><td>unsigned int</td><td>MiFID field: Indication as to whether the transaction reduces risk in an objectively measurable way in accordance with Article 57 of Directive 2014/EU. The field is only applicable for commodity derivative transactions.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Risk reduction</td></tr><tr><td>0</td><td>No risk reduction</td></tr></table></td></tr>
<tr><td>1724</td><td>>OrderOrigination</td><td>N</td><td>1</td><td>141</td><td>unsigned int</td><td>MiFID field: Field to indicate order received from a direct access or sponsored access customer<table><tr><th>Value</th><th>Description</th></tr><tr><td>5</td><td>Order received from a direct access customer</td></tr><tr><td>105</td><td>Order received from a sponsored access customer</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
77	>PositionEffect	N	1	142	char	Field is used for T7 position management purposes and indicates whether the order is submitted to open or close a position. Value: C – Close; O – Open
1031	>CustOrderHandling-Inst	N	1	143	Fixed String	Identifies the source of an order, in accordance with the FIA guidelines for a rate Identifier.The field is for participant use only. Value: W – Desk; Y – Electronic; C – Vendor-provided Platform billed by Executing Broker; G – Sponsored Access via Exchange API or FIX provided by Executing Broker; H – Premium Algorithmic Trading Provider billed by Executing Broker; D – Other, including Other-provided Screen; * – More values
1	>Account	N	2	144	Fixed String	Accounts to book trades and keep positions on. Valid characters: 1-9, \x41, \x47, \x49, \x4D, \x50, \x52
20038	>PartyIDPosition-Account	N	32	146	Fixed String	'Flexible Account' information. Valid characters: \x20, \x30-\x39, \x41-\x5A
25007	>FreeText1	N	12	178	Fixed String	First free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25008	>FreeText2	N	12	190	Fixed String	Second free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25009	>FreeText3	N	12	202	Fixed String	Third free-format text field for trader-specific or customer-related comments. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
20013	>PartyIDOrder-OriginationFirm	N	7	214	Fixed String	External Member ID. Valid characters: A-Z, 0-9, \x20
20032	>PartyIDBeneficiary	N	9	221	Fixed String	Final Beneficiary. Valid characters: A-Z, 0-9, \x20
20096	>PartyIDTakeUp-TradingFirm	N	5	230	Fixed String	Take-up Member Short Name. Valid characters: A-Z, 0-9, \x20
28774	>SideComplianceText	N	20	235	Fixed String	Valid characters: \x20, \x22-\x7B, \x7D, \x7E
20075	>PartyIDLocationID	N	2	255	Fixed String	Country code. Will be set to "XX" for non-capital letters. Valid characters: \x01-\x7E
25241	>PartyEndClient-Identification	N	20	257	Fixed String	End client identifier. Valid characters: A-Z, 0-9, \x20, \x5F
39030	>Pad3	U	3	277	Fixed String	not used
<SideCrossLegGrp> Cardinality: 0-40, Record counter: NoCrossLegs						
25153	>LegInputSource	Y	1	0	unsigned int	Role on/for a message. Client Broker(1) and Proprietary Broker(2) for CrossRequestType(28771) = 2(Liquidity Improvement Cross); Buy side(3) and Sell side(4) for CrossRequestType(28771) = 1(Cross Announcement) Value: 1 Client Broker; 2 Proprietary Broker; 3 Buy side; 4 Sell side

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>564</td><td>>LegPositionEffect</td><td>Y</td><td>1</td><td>1</td><td>char</td><td>Leg-specific field used for T7 position management purposes and indicates whether the leg is submitted to open or close a position.<table><tr><td>Value</td><td>Description</td></tr><tr><td>C</td><td>Close</td></tr><tr><td>O</td><td>Open</td></tr></table></td></tr>
<tr><td>2680</td><td>>LegAccount</td><td>N</td><td>2</td><td>2</td><td>Fixed String</td><td>Leg-specific account to book trades and keep positions on.
Valid characters: 1-9, \x41, \x47, \x4D, \x50</td></tr>
<tr><td>39040</td><td>>Pad4</td><td>U</td><td>4</td><td>4</td><td>Fixed String</td><td>not used</td></tr>
</table>

12.2 Response to a CLIP Request

CLIP Response

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10133 (CrossRequestAck, MsgType = DT)
39020	Pad2	U	2	6	Fixed String	not used
<NRResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	Y	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	Y	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
893	LastFragment	Y	1	52	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 — Description: Last Message
39030	Pad3	U	3	53	Fixed String	not used
<MessageBody>						
17	ExecID	Y	8	56	UTCTimestamp	Transaction timestamp.
48	SecurityID	Y	8	64	signed int	Instrument identifier.
1300	MarketSegmentID	Y	4	72	signed int	Product identifier.
2672	CrossRequestID	N	4	76	signed int	User defined transaction ID.
552	NoSides	Y	1	80	Counter	

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25244	ImpliedCheckPrice-Indicator	N	1	81	unsigned int	Indicates whether a option strategy synthetic BBO is used for the price improvement check Value: 0 = No; 1 = Yes
39060	Pad6	U	6	82	Fixed String	not used
<CrossRequestAckSideGrp> Cardinality: 1-2, Record counter: NoSides						
37	>OrderID	Y	8	88	unsigned int	Exchange Order ID generated by the T7 System; it remains constant over the lifetime of an order.
11	>ClOrdID	N	8	96	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.
979	>InputSource	N	1	104	unsigned int	Role on/for a message Value: 1 = Client Broker; 2 = Proprietary Broker
54	>Side	Y	1	105	unsigned int	Side of the order. Value: 1 = Buy; 2 = Sell
39060	>Pad6	U	6	106	Fixed String	not used

12.3 CLIP Execution Notification

CLIP Execution Notification

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10135 (ExecutionReport, MsgType = 8)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeaderME>						
21003	TrdRegTSTimeOut	N	8	8	UTCTimestamp	Matching engine out timestamp.
25043	NotificationIn	N	8	16	UTCTimestamp	Timestamp the gateway receives a notification message from the Matching Engine.
52	SendingTime	Y	8	24	UTCTimestamp	Outgoing timestamp; filled always by the gateway
28727	ApplSubID	U	4	32	unsigned int	not used
5948	PartitionID	Y	2	36	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
28704	ApplMsgID	Y	16	38	data	Application message identifier assigned to an order or quote event.
1180	ApplID	Y	1	54	unsigned int	Identifier for an ETI data stream. Value: 4 — Description: Session Data
1352	ApplResendFlag	Y	1	55	unsigned int	Indicates a retransmission message. Value: 0 — Description: False
893	LastFragment	Y	1	56	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 0 — Description: Not Last Message Value: 1 — Description: Last Message
39070	Pad7	U	7	57	Fixed String	not used
<MessageBody>						

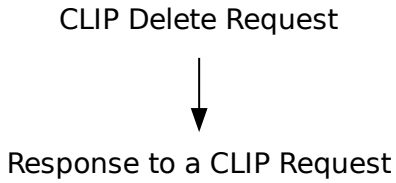
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
11	ClOrdID	N	8	64	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.
41	OrigClOrdID	N	8	72	unsigned int	ClOrdID (11) of the last successfully processed task (request) referring to the specific order.
37	OrderID	Y	8	80	unsigned int	Exchange Order ID generated by the T7 System; it remains constant over the lifetime of an order.
17	ExecID	Y	8	88	UTCTimestamp	Transaction timestamp.
48	SecurityID	Y	8	96	signed int	Instrument identifier.
84	CxlQty	Y	8	104	Qty	Total quantity cancelled for this order.
151	LeavesQty	Y	8	112	Qty	Remaining quantity of an order.
14	CumQty	Y	8	120	Qty	Cumulated executed quantity of an order.
1300	MarketSegmentID	Y	4	128	signed int	Product identifier.
378	ExecRestatement-Reason	Y	2	132	unsigned int	Code to further qualify the field ExecType (150) of the Execution Report (8) message. Value: 340 — Description: CLIP execution after improvement period
30555	NoLegExecs	Y	2	134	Counter	Number of InstrmntLegExec repeating group instances.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1227	ProductComplex	Y	1	136	unsigned int	This field qualifies an instrument type on T7. Value: Description 1: Simple instrument 2: Standard Option Strategy 3: Non-Standard Option Strategy 4: Volatility Strategy 5: Futures Spread 6: Inter-Product Spread 7: Standard Future Strategy 8: Pack and Bundle 9: Strip 11: Commodity Strip 12: Scaled Simple Instrument 13: Non-Standard Volatility Strategy 14: Total Return Future Strategy
54	Side	Y	1	137	unsigned int	Side of the order. Value: Description 1: Buy 2: Sell
39	OrdStatus	Y	1	138	char	Conveys the current status of an order. Value: Description 4: Cancelled 1: Partially filled 2: Filled
150	ExecType	Y	1	139	char	The reason why this message was generated. Value: Description 4: Cancelled F: Trade
574	MatchType	Y	1	140	unsigned int	The point in the matching process at which this trade was matched. Value: Description 13: Liquidity Improvement Cross

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1362	NoFills	Y	1	141	Counter	Specifies the number of partial fills included in this Execution Report.
39020	Pad2	U	2	142	Fixed String	not used
<FillsGrp> Cardinality: 0-100, Record counter: NoFills						
1364	>FillPx	Y	8	144	PriceType	Price of Fill.
1365	>FillQty	Y	8	152	Qty	Quantity of Fill.
28708	>FillMatchID	Y	4	160	unsigned int	Unique identifier for each price level (match step) of a match event; it is used for public trade reporting.
1363	>FillExecID	Y	4	164	signed int	Private identifier of an order match step event, which can be reconciled with the field SideTradeID (1506) in the Trade Notification.
1443	>FillLiquidityInd	N	1	168	unsigned int	Indicates whether the order added or removed liquidity. Required only for execution reports generated for fills. Value: 2 = Removed Liquidity; 1 = Added Liquidity
39070	>Pad7	U	7	169	Fixed String	not used
<InstrmntLegExecGrp> Cardinality: 0-600, Record counter: NoLegExecs						
602	>LegSecurityID	Y	8	0	signed int	Instrument identifier of the leg security.
637	>LegLastPx	Y	8	8	PriceType	Price of this leg fill.
1418	>LegLastQty	Y	8	16	Qty	Quantity executed in this leg fill.
1893	>LegExecID	Y	4	24	signed int	Private identifier of a leg match step, which can be reconciled with the field SideTradeID (1506) in the Trade Notification.
624	>LegSide	N	1	28	unsigned int	The side of the individual leg of a strategy as defined in its signature. LegSide should always be mandatory, except for Scaled Simple Instrument, LegSide should be empty. Value: 1 = Buy; 2 = Sell
2421	>FillRefID	Y	1	29	unsigned int	Reference to the corresponding FillsGrp repeating group instance.
39020	>Pad2	U	2	30	Fixed String	not used

12.4 CLIP Delete Request

This message is sent to the service "Order and Quote Management".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10132 (Cross-Request, MsgType = DS)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
11	ClOrdID	N	8	24	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.
37	OrderID	N	8	32	unsigned int	Exchange Order ID generated by the T7 System; it remains constant over the lifetime of an order.
48	SecurityID	Y	8	40	signed int	Instrument identifier.
20122	PartyIdInvestment-DecisionMaker	N	8	48	unsigned int	MiFID field: Investment decision within firm (ESMA Field 4 (Section A)) is the code used to identify the person or the algorithm within the member or participant of the Trading Venue who is responsible for the investment decision.

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>25123</td><td>ExecutingTrader</td><td>N</td><td>8</td><td>56</td><td>unsigned int</td><td>MiFID field: Executing Trader data Field(ESMA Field 5 (Section A))used to identify the person or algorithm within the member or participant of the trading venue who is responsible for the execution of the transaction resulting from the order.</td></tr>
<tr><td>1300</td><td>MarketSegmentID</td><td>Y</td><td>4</td><td>64</td><td>signed int</td><td>Product identifier.</td></tr>
<tr><td>2672</td><td>CrossRequestID</td><td>N</td><td>4</td><td>68</td><td>signed int</td><td>User defined transaction ID.</td></tr>
<tr><td>25124</td><td>ExecutingTrader-Qualifier</td><td>Y</td><td>1</td><td>72</td><td>unsigned int</td><td>MiFID field: Qualifier for field ExecutingTrader. It is required to distinguish between natural persons and Algos.<table><tr><th>Value</th><th>Description</th></tr><tr><td>22</td><td>Algo</td></tr><tr><td>24</td><td>Human/Natural person</td></tr></table></td></tr>
<tr><td>21222</td><td>PartyIdInvestment-DecisionMaker-Qualifier</td><td>N</td><td>1</td><td>73</td><td>unsigned int</td><td>MiFID field: Qualifier for field PartyIdInvestmentDecisionMaker. Members/participants will have the possibility to specify an Investment qualifier value to distinguish between natural persons and Algos.<table><tr><th>Value</th><th>Description</th></tr><tr><td>22</td><td>Algo</td></tr><tr><td>24</td><td>Human/Natural person</td></tr></table></td></tr>
<tr><td>39060</td><td>Pad6</td><td>U</td><td>6</td><td>74</td><td>Fixed String</td><td>not used</td></tr>
</table>

12.5 CLIP Deletion Notification

CLIP Deletion Notification

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10134 (ExecutionReport, MsgType = 8)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeaderME>						
21003	TrdRegTSTimeOut	N	8	8	UTCTimestamp	Matching engine out timestamp.
25043	NotificationIn	N	8	16	UTCTimestamp	Timestamp the gateway receives a notification message from the Matching Engine.
52	SendingTime	Y	8	24	UTCTimestamp	Outgoing timestamp; filled always by the gateway
28727	ApplSubID	U	4	32	unsigned int	not used
5948	PartitionID	Y	2	36	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
28704	ApplMsgID	U	16	38	data	not used
1180	ApplID	Y	1	54	unsigned int	Identifier for an ETI data stream. Value: 4 — Description: Session Data
1352	ApplResendFlag	U	1	55	unsigned int	not used
893	LastFragment	Y	1	56	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 — Description: Last Message
39070	Pad7	U	7	57	Fixed String	not used
<MessageBody>						
11	ClOrdID	N	8	64	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.
41	OrigClOrdID	N	8	72	unsigned int	ClOrdID (11) of the last successfully processed task (request) referring to the specific order.

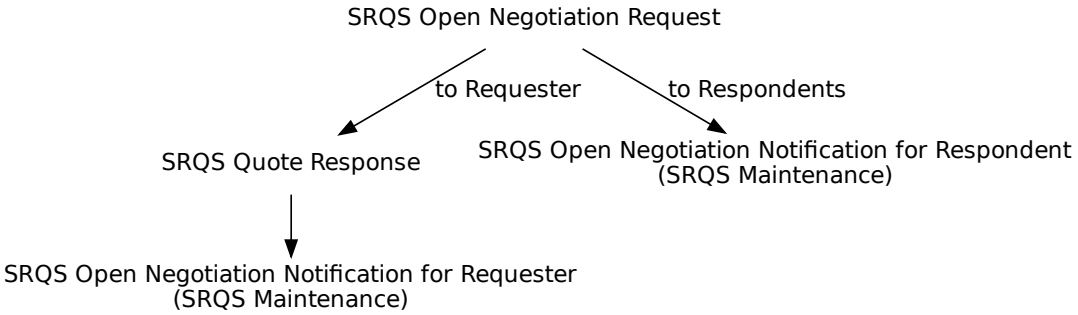
<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>37</td><td>OrderID</td><td>Y</td><td>8</td><td>80</td><td>unsigned int</td><td>Exchange Order ID generated by the T7 System; it remains constant over the lifetime of an order.</td></tr>
<tr><td>17</td><td>ExecID</td><td>Y</td><td>8</td><td>88</td><td>UTCTimestamp</td><td>Transaction timestamp.</td></tr>
<tr><td>48</td><td>SecurityID</td><td>Y</td><td>8</td><td>96</td><td>signed int</td><td>Instrument identifier.</td></tr>
<tr><td>84</td><td>CxlQty</td><td>Y</td><td>8</td><td>104</td><td>Qty</td><td>Total quantity cancelled for this order.</td></tr>
<tr><td>1300</td><td>MarketSegmentID</td><td>Y</td><td>4</td><td>112</td><td>signed int</td><td>Product identifier.</td></tr>
<tr><td>378</td><td>ExecRestatement-Reason</td><td>Y</td><td>2</td><td>116</td><td>unsigned int</td><td>Code to further qualify the field ExecType (150) of the Execution Report (8) message.<table><tr><th>Value</th><th>Description</th></tr><tr><td>343</td><td>CLIP Request deleted by arrangement time out</td></tr><tr><td>344</td><td>CLIP Request deleted by arrangement validation</td></tr><tr><td>340</td><td>CLIP execution after improvement period</td></tr><tr><td>122</td><td>Instrument State Change</td></tr><tr><td>117</td><td>Member has been disabled</td></tr></table></td></tr>
<tr><td>1227</td><td>ProductComplex</td><td>Y</td><td>1</td><td>118</td><td>unsigned int</td><td>This field qualifies an instrument type on T7.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Simple instrument</td></tr><tr><td>2</td><td>Standard Option Strategy</td></tr><tr><td>3</td><td>Non-Standard Option Strategy</td></tr><tr><td>4</td><td>Volatility Strategy</td></tr><tr><td>5</td><td>Futures Spread</td></tr><tr><td>6</td><td>Inter-Product Spread</td></tr><tr><td>7</td><td>Standard Future Strategy</td></tr><tr><td>8</td><td>Pack and Bundle</td></tr><tr><td>9</td><td>Strip</td></tr><tr><td>11</td><td>Commodity Strip</td></tr><tr><td>12</td><td>Scaled Simple Instrument</td></tr><tr><td>13</td><td>Non-Standard Volatility Strategy</td></tr><tr><td>14</td><td>Total Return Future Strategy</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
54	Side	Y	1	119	unsigned int	Side of the order. Value: 1 = Buy; 2 = Sell
39	OrdStatus	Y	1	120	char	Conveys the current status of an order. Value: 4 = Cancelled
150	ExecType	Y	1	121	char	The reason why this message was generated. Value: 4 = Cancelled; F = Trade
39060	Pad6	U	6	122	Fixed String	not used

13 Selective Request for Quote Service

13.1 SRQS Open Negotiation Request

By submitting this message the requester (typically a broker) sends a RfQ (request for quotes) to targeted respondents (market makers). Bid Price (132) and Offer (Ask) Price (133) in the SRQS Negotiation are used by the requester to provide indicative prices to selected respondents in order to receive from them quotes within these indicative prices. No validation is done on these prices with respect to the side (54) of the SRQS Negotiation. This message is sent to the service "Selective Request for Quote Service".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10700 (QuoteRequest, MsgType = R)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
48	SecurityID	N	8	24	signed int	Instrument identifier.
132	BidPx	N	8	32	PriceType	Bid price/rate.
133	OfferPx	N	8	40	PriceType	Offer price/rate.
38	OrderQty	N	8	48	Qty	Open/total quantity of the SRQS negotiation.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
28759	QuoteRefPrice	N	8	56	PriceType	Depending upon Negotiation workflow this price can either be a reference price or an underlying price.
25149	UnderlyingDelta-Percentage	N	8	64	floatDecimal4	The effective underlying delta of a Vola-Strategy.
62	ValidUntilTime	N	8	72	UTCTimestamp	Time until an entity is valid.
1300	MarketSegmentID	Y	4	80	signed int	Product identifier.
762	SecuritySubType	N	4	84	signed int	Sub-type qualification/identification of the SecurityType
537	QuoteType	N	1	88	unsigned int	Quote Type Value: 0 — Indicative (for Continuous Auction Issuer trading model and Eurex/Xetra EnLight only) Value: 1 — Tradeable
28786	QuoteSubType	N	1	89	unsigned int	Sub-type of QuoteType Value: 1 — Working Delta Value: 2 — Basis Trade Value: 3 — Regular LDS Negotiation Value: 4 — Negotiate the underlying outside the exchange Value: 5 — Option Volatility Strategy with fixed Underlying price and delta Value: 6 — Option Volatility Strategy - Underlying price is negotiated on exchange
555	NoLegs	N	1	90	Counter	Number of QuoteReqLegs repeating group instances.
1461	NoTargetPartyIDs	Y	1	91	Counter	Number of TargetParties records.
25145	NumberOfResp-DisclosureInstruction	N	1	92	unsigned int	Instruction to show total number of Respondents in an EnLight event. Value: 0 — No Value: 1 — Yes

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>54</td><td>Side</td><td>N</td><td>1</td><td>93</td><td>unsigned int</td><td>Side of the order.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Buy</td></tr><tr><td>2</td><td>Sell</td></tr></table></td></tr>
<tr><td>1227</td><td>ProductComplex</td><td>N</td><td>1</td><td>94</td><td>unsigned int</td><td>This field qualifies an instrument type on T7.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Simple instrument</td></tr><tr><td>2</td><td>Standard Option Strategy</td></tr><tr><td>3</td><td>Non-Standard Option Strategy</td></tr><tr><td>4</td><td>Volatility Strategy</td></tr><tr><td>5</td><td>Futures Spread</td></tr><tr><td>6</td><td>Inter-Product Spread</td></tr><tr><td>7</td><td>Standard Future Strategy</td></tr><tr><td>8</td><td>Pack and Bundle</td></tr><tr><td>9</td><td>Strip</td></tr><tr><td>11</td><td>Commodity Strip</td></tr><tr><td>13</td><td>Non-Standard Volatility Strategy</td></tr></table></td></tr>
<tr><td>1172</td><td>RespondentType</td><td>N</td><td>1</td><td>95</td><td>unsigned int</td><td>Specifies the type of respondents requested.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Respondents are known during a negotiation</td></tr><tr><td>102</td><td>Respondents are anonymized after negotiation start, Requester will remain anonymous from start</td></tr></table></td></tr>
<tr><td>25194</td><td>ShowLastDealOnClosure</td><td>N</td><td>1</td><td>96</td><td>unsigned int</td><td>Instruction to show last deal information after negotiation closure<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>No</td></tr><tr><td>1</td><td>Yes</td></tr></table></td></tr>
<tr><td>25206</td><td>BidPxIsLocked</td><td>N</td><td>1</td><td>97</td><td>unsigned int</td><td>BidPx is locked.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>No</td></tr><tr><td>1</td><td>Yes</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25207	OfferPxIsLocked	N	1	98	unsigned int	OfferPx is locked. Value: 0 = No; 1 = Yes
25208	SideIsLocked	N	1	99	unsigned int	Side is locked. Value: 0 = No; 1 = Yes
25209	OrderQtyIsLocked	N	1	100	unsigned int	OrderQty is locked. Value: 0 = No; 1 = Yes
2788	TradeAggregation-TransType	N	1	101	unsigned int	Trade Aggregation Identifier. Value: 0 = New
276	QuoteCondition	Y	1	102	char	Status of the quote. Value: A = Active; z = Suspended
22001	PartyExecutingFirm	Y	5	103	Fixed String	Owning business unit name. Valid characters: A-Z, 0-9, \x20
22012	PartyExecutingTrader	Y	6	108	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20
25172	FreeText5	N	132	114	Fixed String	Text field Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
131	QuoteReqID	N	20	246	Fixed String	SRQS negotiation report ID Valid characters: \x01-\x7E
22011	PartyOrder-OriginationTrader	N	132	266	Fixed String	Buy-side user information. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25225	ChargeID	N	132	398	Fixed String	Charge ID of Third Party Platform. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
39060	Pad6	U	6	530	Fixed String	not used
<QuotReqLegsGrp> Cardinality: 0 - 20, Record counter: NoLegs						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
602	>LegSecurityID	Y	8	536	signed int	Instrument identifier of the leg security.
623	>LegRatioQty	N	4	544	unsigned int	The ratio of quantity for this individual leg relative to the entire multileg security.
600	>LegSymbol	N	4	548	signed int	Product identifier of the leg security
609	>LegSecurityType	Y	1	552	unsigned int	Indicates type of leg. Value: 1 = Multileg Instrument; 2 = Underlying Leg
624	>LegSide	N	1	553	unsigned int	The side of the individual leg of a strategy as defined in its signature. Value: 1 = Buy; 2 = Sell
39060	>Pad6	U	6	554	Fixed String	not used
<TargetParties> Cardinality: 0-50, Record counter: NoTargetPartyIDs						
20612	>TargetParty-IDExecutingTrader	U	4	0	unsigned int	not used
25130	>SideDisclosure-Instruction	Y	1	4	unsigned int	Instruction to show side. Value: 0 = No; 1 = Yes
25131	>PriceDisclosure-Instruction	Y	1	5	unsigned int	Instruction to show price. Value: 0 = No; 1 = Yes
25137	>LeavesQty-DisclosureInstruction	Y	1	6	unsigned int	Instruction to show leaves quantity. Value: 0 = No; 1 = Yes
25146	>LastPxDisclosure-Instruction	U	1	7	unsigned int	not used
25147	>LastQtyDisclosure-Instruction	U	1	8	unsigned int	not used

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
31814	>Free-Text5Disclosure-Instruction	Y	1	9	unsigned int	Instruction to show FreeText5. Value: 0 = No; 1 = Yes
25190	>PartyOrder-OriginationDisclosure-Instruction	Y	1	10	unsigned int	Instruction to show buy-side user information. Value: 0 = No; 1 = Yes
25138	>QuoteInstruction	U	1	11	unsigned int	not used
25226	>ChargeIDDisclosure-Instruction	Y	1	12	unsigned int	Instruction to show Charge ID. Value: 0 = No; 1 = Yes
22601	>TargetParty-ExecutingFirm	Y	5	13	Fixed String	Name of target business unit. Valid characters: A-Z, 0-9, \x20
22602	>TargetParty-ExecutingTrader	Y	6	18	Fixed String	Name of target user/trader. Valid characters: A-Z, 0-9, \x20
1672	>PartyDetailStatus	U	1	24	unsigned int	not used
25185	>PartyDetailStatus-Information	U	1	25	unsigned int	not used
39060	>Pad6	U	6	26	Fixed String	not used

13.2 SRQS Inquire Smart Respondent Request

This message is used to inquire all smart respondents for a XetraEnLight negotiation. This message is sent to the service "Selective Request for Quote Service".

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10718 (PartyDetailsListRequest, MsgType = CF)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
1300	MarketSegmentID	Y	4	24	signed int	Product identifier.
25176	EurexVolumeRanking	Y	1	28	unsigned int	Eurex Volume Ranking. Value: Description 1: Low 2: Medium 3: High
25177	EnlightRFQAvgRespTimeRanking	Y	1	29	unsigned int	Enlight RFQ Average Response Time Ranking. Value: Description 1: Low 2: Medium 3: High
25178	EnlightRFQAvgRespRateRanking	Y	1	30	unsigned int	Enlight RFQ Average Response Rate Ranking Value: Description 1: Low 2: Medium 3: High

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>25179</td><td>TradeToQuoteRatio-Ranking</td><td>Y</td><td>1</td><td>31</td><td>unsigned int</td><td>Trade to Quote Ratio (TQR) Ranking.

<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Low</td></tr><tr><td>2</td><td>Medium</td></tr><tr><td>3</td><td>High</td></tr></table></td></tr>
</table>

13.3 SRQS Inquire Smart Respondent Response

This message informs about all smart respondents for a XetraEnLight negotiation.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10719 (PartyDetailsListReport, MsgType = CG)
39020	Pad2	U	2	6	Fixed String	not used
<ResponseHeader>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Outgoing timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
39040	Pad4	U	4	28	Fixed String	not used
<MessageBody>						
1300	MarketSegmentID	Y	4	32	signed int	Product identifier.
1671	NoPartyDetails	Y	2	36	Counter	Number of PartyDetailsGrp repeating group.
39020	Pad2	U	2	38	Fixed String	not used
<SmartPartyDetailGrp> Cardinality: 0 - 1000, Record counter: NoPartyDetails						
22259	>PartyDetailExecutingUnit	Y	5	40	Fixed String	Detail BusinessUnit name Valid characters: A-Z, 0-9, \x20
22212	>PartyDetailExecutingTrader	Y	6	45	Fixed String	Trader name. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
39050	>Pad5	U	5	51	Fixed String	not used

13.4 SRQS Quote Response

This message confirms SRQS Open Negotiation, SRQS Update Negotiation and SRQS Enter Quote requests.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10703 (QuoteAck, MsgType = CW)
39020	Pad2	U	2	6	Fixed String	not used
<ResponseHeader>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Outgoing timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
39040	Pad4	U	4	28	Fixed String	not used
<MessageBody>						
117	QuoteID	N	8	32	unsigned int	System defined unique quote identifier
28758	NegotiationID	Y	4	40	unsigned int	ID of a SRQS negotiation.
131	QuoteReqID	N	20	44	Fixed String	SRQS negotiation report ID Valid characters: \x01-\x7E

13.5 SRQS Quote Snapshot Notification

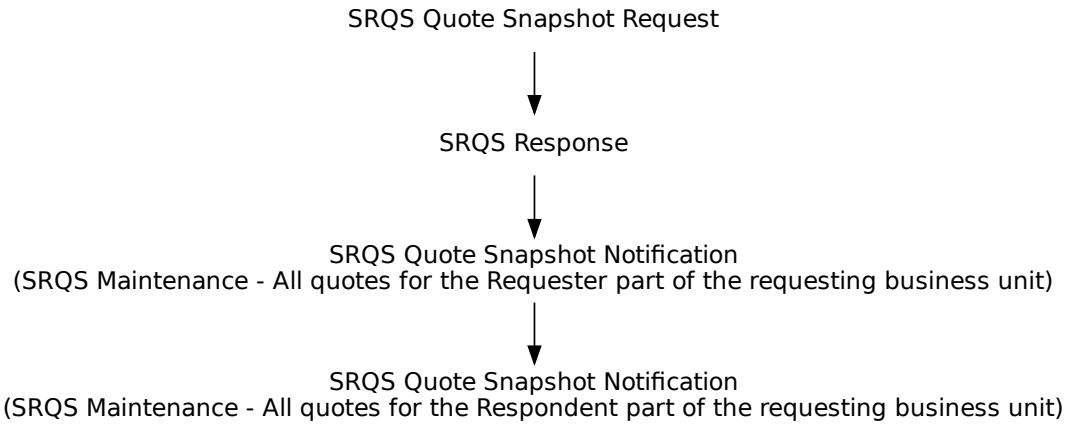
This message informs about SRQS quote book information.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10723 (MassQuote, MsgType = i)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	U	8	16	unsigned int	not used
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	U	2	28	unsigned int	not used
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 9 = SRQS Maintenance
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 0 = Not Last Message; 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
295	NoQuoteEntries	N	1	40	Counter	The number of quote entries for a Mass Quote.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1011	MessageEventSource	Y	1	41	char	Receiver of a message. Value: R = Broadcast to requestor; Q = Broadcast to quote submitter
39060	Pad6	U	6	42	Fixed String	not used
<SRQSQuoteEntryGrp> Cardinality: 0-100, Record counter: NoQuoteEntries						
60	>TransactTime	Y	8	48	UTCTimestamp	Transaction timestamp.
126	>ExpireTime	N	8	56	UTCTimestamp	Time an entity expires.
117	>QuoteID	N	8	64	unsigned int	System defined unique quote identifier
1751	>SecondaryQuoteID	U	8	72	unsigned int	not used
132	>BidPx	N	8	80	PriceType	Bid price/rate.
134	>BidSize	N	8	88	Qty	Quantity of bid.
133	>OfferPx	N	8	96	PriceType	Offer price/rate.
135	>OfferSize	N	8	104	Qty	Quantity of offer.
810	>UnderlyingPx	N	8	112	PriceType	Underlying price associated with a derivative instrument.
25149	>UnderlyingDelta-Percentage	N	8	120	floatDecimal4	The effective underlying delta of a Vola-Strategy.
28759	>QuoteRefPrice	N	8	128	PriceType	Depending upon Negotiation workflow this price can either be a reference price or an underlying price.
20012	>PartyIDExecuting-Trader	N	4	136	unsigned int	Anonymous SmartRFQ user ID
28758	>NegotiationID	Y	4	140	unsigned int	ID of a SRQS negotiation.
28787	>QuotingStatus	Y	1	144	unsigned int	Quoting status for the executing party Value: 1 = Open/Active; 2 = Open/Working; 3 = Closed/Inactive
28762	>FirmNegotiationID	N	20	145	Fixed String	User defined ID of a SRQS negotiation. Valid characters: \x01-\x7E
22001	>PartyExecutingFirm	N	5	165	Fixed String	Owning business unit name. Valid characters: A-Z, 0-9, \x20
22012	>PartyExecuting-Trader	N	6	170	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20
22036	>PartyEnteringTrader	N	6	176	Fixed String	The entering user Valid characters: A-Z, 0-9, \x20
39020	>Pad2	U	2	182	Fixed String	not used

13.6 SRQS Quote Snapshot Request

This message is used to request a snapshot of SRQS quote book information. This message is sent to the service "Selective Request for Quote Service".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10720 (QuoteRequest, MsgType = R)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.

13.7 SRQS Response

This message confirms a SRQS Request.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10722 (MassQuoteAcknowledgement, MsgType = b)
39020	Pad2	U	2	6	Fixed String	not used
<ResponseHeader>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Outgoing timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
39040	Pad4	U	4	28	Fixed String	not used

13.8 SRQS Open Negotiation Notification for Requester

This message informs the requester about a new SRQS negotiation.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10710 (QuoteStatusReport, MsgType = AI)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	U	2	28	unsigned int	not used
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 9 = SRQS Maintenance
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
60	TransactTime	Y	8	40	UTCTimestamp	Transaction timestamp.
48	SecurityID	N	8	48	signed int	Instrument identifier.
132	BidPx	N	8	56	PriceType	Bid price/rate.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
133	OfferPx	N	8	64	PriceType	Offer price/rate.
38	OrderQty	N	8	72	Qty	Open/total quantity of the SRQS negotiation.
31	LastPx	N	8	80	PriceType	Price of this fill.
32	LastQty	N	8	88	Qty	Quantity executed in this fill.
28759	QuoteRefPrice	N	8	96	PriceType	Depending upon Negotiation workflow this price can either be a reference price or an underlying price.
25149	UnderlyingDelta-Percentage	N	8	104	floatDecimal4	The effective underlying delta of a Vola-Strategy.
126	ExpireTime	N	8	112	UTCTimestamp	Time an entity expires.
25184	TradeToRequestRatio	N	8	120	floatDecimal4	Ratio indicating amount of Trades to RFQ requested.
28758	NegotiationID	Y	4	128	unsigned int	ID of a SRQS negotiation.
1300	MarketSegmentID	Y	4	132	signed int	Product identifier.
762	SecuritySubType	N	4	136	signed int	Sub-type qualification/identification of the SecurityType
25150	NumberOf-Respondents	N	4	140	unsigned int	Total number of Respondents in a SRQS event.
537	QuoteType	Y	1	144	unsigned int	Quote Type Value: 0 — Indicative (for Continuous Auction Issuer trading model and Eurex/Xetra EnLight only) Value: 1 — Tradeable
28786	QuoteSubType	Y	1	145	unsigned int	Sub-type of QuoteType Value: 1 — Working Delta Value: 2 — Basis Trade Value: 3 — Regular LDS Negotiation Value: 4 — Negotiate the underlying outside the exchange Value: 5 — Option Volatility Strategy with fixed Underlying price and delta Value: 6 — Option Volatility Strategy - Underlying price is negotiated on exchange
555	NoLegs	Y	1	146	Counter	Number of QuotReqLegs repeating group instances.

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1461</td><td>NoTargetPartyIDs</td><td>Y</td><td>1</td><td>147</td><td>Counter</td><td>Number of TargetParties records.</td></tr>
<tr><td>54</td><td>Side</td><td>N</td><td>1</td><td>148</td><td>unsigned int</td><td>Side of the order.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Buy</td></tr><tr><td>2</td><td>Sell</td></tr></table></td></tr>
<tr><td>1227</td><td>ProductComplex</td><td>N</td><td>1</td><td>149</td><td>unsigned int</td><td>This field qualifies an instrument type on T7.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Simple instrument</td></tr><tr><td>2</td><td>Standard Option Strategy</td></tr><tr><td>3</td><td>Non-Standard Option Strategy</td></tr><tr><td>4</td><td>Volatility Strategy</td></tr><tr><td>5</td><td>Futures Spread</td></tr><tr><td>6</td><td>Inter-Product Spread</td></tr><tr><td>7</td><td>Standard Future Strategy</td></tr><tr><td>8</td><td>Pack and Bundle</td></tr><tr><td>9</td><td>Strip</td></tr><tr><td>11</td><td>Commodity Strip</td></tr><tr><td>13</td><td>Non-Standard Volatility Strategy</td></tr></table></td></tr>
<tr><td>25145</td><td>NumberOfResp-DisclosureInstruction</td><td>Y</td><td>1</td><td>150</td><td>unsigned int</td><td>Instruction to show total number of Respondents in an EnLight event.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>No</td></tr><tr><td>1</td><td>Yes</td></tr></table></td></tr>
<tr><td>1172</td><td>RespondentType</td><td>N</td><td>1</td><td>151</td><td>unsigned int</td><td>Specifies the type of respondents requested.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Respondents are known during a negotiation</td></tr><tr><td>102</td><td>Respondents are anonymized after negotiation start, Requester will remain anonymous from start</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25194	ShowLastDealOn-Closure	Y	1	152	unsigned int	Instruction to show last deal information after negotiation closure Value: 0 = No; 1 = Yes
25206	BidPxIsLocked	N	1	153	unsigned int	BidPx is locked. Value: 0 = No; 1 = Yes
25207	OfferPxIsLocked	N	1	154	unsigned int	OfferPx is locked. Value: 0 = No; 1 = Yes
25208	SideIsLocked	N	1	155	unsigned int	Side is locked. Value: 0 = No; 1 = Yes
25209	OrderQtyIsLocked	N	1	156	unsigned int	OrderQty is locked. Value: 0 = No; 1 = Yes
2788	TradeAggregation-TransType	N	1	157	unsigned int	Trade Aggregation Identifier. Value: 0 = New
276	QuoteCondition	Y	1	158	char	Status of the quote. Value: A = Active; z = Suspended
22001	PartyExecutingFirm	Y	5	159	Fixed String	Owning business unit name. Valid characters: A-Z, 0-9, \x20
22012	PartyExecutingTrader	Y	6	164	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20
22036	PartyEnteringTrader	Y	6	170	Fixed String	The entering user Valid characters: A-Z, 0-9, \x20

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
28762	FirmNegotiationID	N	20	176	Fixed String	User defined ID of a SRQS negotiation. Valid characters: \x01-\x7E
25172	FreeText5	N	132	196	Fixed String	Text field Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
22011	PartyOrder-OriginationTrader	N	132	328	Fixed String	Buy-side user information. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25225	ChargeID	N	132	460	Fixed String	Charge ID of Third Party Platform. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
<QuotReqLegsGrp> Cardinality: 0-20, Record counter: NoLegs						
602	>LegSecurityID	Y	8	592	signed int	Instrument identifier of the leg security.
623	>LegRatioQty	N	4	600	unsigned int	The ratio of quantity for this individual leg relative to the entire multileg security.
600	>LegSymbol	N	4	604	signed int	Product identifier of the leg security
609	>LegSecurityType	Y	1	608	unsigned int	Indicates type of leg. Value: 1 – Multileg Instrument Value: 2 – Underlying Leg
624	>LegSide	N	1	609	unsigned int	The side of the individual leg of a strategy as defined in its signature. Value: 1 – Buy Value: 2 – Sell
39060	>Pad6	U	6	610	Fixed String	not used
<TargetParties> Cardinality: 0-50, Record counter: NoTargetPartyIDs						
20612	>TargetParty-IDExecutingTrader	N	4	0	unsigned int	Anonymous user ID
25130	>SideDisclosure-Instruction	Y	1	4	unsigned int	Instruction to show side. Value: 0 – No Value: 1 – Yes

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25131	>PriceDisclosure-Instruction	Y	1	5	unsigned int	Instruction to show price. Value: 0 = No; 1 = Yes
25137	>LeavesQty-DisclosureInstruction	Y	1	6	unsigned int	Instruction to show leaves quantity. Value: 0 = No; 1 = Yes
25146	>LastPxDisclosure-Instruction	U	1	7	unsigned int	not used
25147	>LastQtyDisclosure-Instruction	U	1	8	unsigned int	not used
31814	>Free-Text5Disclosure-Instruction	Y	1	9	unsigned int	Instruction to show FreeText5. Value: 0 = No; 1 = Yes
25190	>PartyOrder-OriginationDisclosure-Instruction	Y	1	10	unsigned int	Instruction to show buy-side user information. Value: 0 = No; 1 = Yes
25138	>QuoteInstruction	U	1	11	unsigned int	not used
25226	>ChargeIDDisclosure-Instruction	Y	1	12	unsigned int	Instruction to show Charge ID. Value: 0 = No; 1 = Yes
22601	>TargetParty-ExecutingFirm	N	5	13	Fixed String	Name of target business unit. Valid characters: A-Z, 0-9, \x20
22602	>TargetParty-ExecutingTrader	N	6	18	Fixed String	Name of target user/trader. Valid characters: A-Z, 0-9, \x20
1672	>PartyDetailStatus	N	1	24	unsigned int	Member status. Value: 0 = Active; 1 = Suspend; 2 = Rejected

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>25185</td><td>>PartyDetailStatus-Information</td><td>N</td><td>1</td><td>25</td><td>unsigned int</td><td>Reason for a responder reject<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>High TRR (TradeToRequest-Ratio) threshold</td></tr><tr><td>2</td><td>Anonymous negotiation blocked by responder</td></tr></table></td></tr>
<tr><td>39060</td><td>>Pad6</td><td>U</td><td>6</td><td>26</td><td>Fixed String</td><td>not used</td></tr>
</table>

13.9 SRQS Open Negotiation Notification for Respondent

This message informs the (targeted) respondents about a new negotiation.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10711 (QuoteStatusReport, MsgType = AI)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	U	2	28	unsigned int	not used
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 – False; 1 – True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 9 – SRQS Maintenance
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 – Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
60	TransactTime	Y	8	40	UTCTimestamp	Transaction timestamp.
28764	NegotiationStartTime	N	8	48	UTCTimestamp	Start time of SRQS negotiation.
48	SecurityID	N	8	56	signed int	Instrument identifier.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
132	BidPx	N	8	64	PriceType	Bid price/rate.
133	OfferPx	N	8	72	PriceType	Offer price/rate.
151	LeavesQty	N	8	80	Qty	Open quantity of the SRQS negotiation.
32	LastQty	N	8	88	Qty	Quantity executed in this fill.
31	LastPx	N	8	96	PriceType	Price of this fill.
28759	QuoteRefPrice	N	8	104	PriceType	Depending upon Negotiation workflow this price can either be a reference price or an underlying price.
25149	UnderlyingDelta-Percentage	N	8	112	floatDecimal4	The effective underlying delta of a Vola-Strategy.
126	ExpireTime	N	8	120	UTCTimestamp	Time an entity expires.
25184	TradeToRequestRatio	N	8	128	floatDecimal4	Ratio indicating amount of Trades to RFQ requested.
25201	TradeToQuoteRatio	N	8	136	floatDecimal4	Ratio of Trades to Quotes.
28758	NegotiationID	Y	4	144	unsigned int	ID of a SRQS negotiation.
1300	MarketSegmentID	Y	4	148	signed int	Product identifier.
762	SecuritySubType	N	4	152	signed int	Sub-type qualification/identification of the SecurityType
25150	NumberOf-Respondents	N	4	156	unsigned int	Total number of Respondents in a SRQS event.
25202	TradeToQuoteRatio-Position	N	2	160	unsigned int	Ranking position of Ratio of Trades to Quotes.
537	QuoteType	Y	1	162	unsigned int	Quote Type Value: 0 – Indicative (for Continuous Auction Issuer trading model and Eurex/Xetra EnLight only) Value: 1 – Tradeable

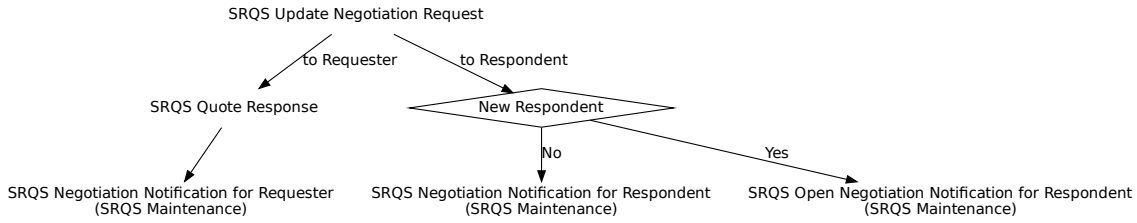
<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>28786</td><td>QuoteSubType</td><td>Y</td><td>1</td><td>163</td><td>unsigned int</td><td>Sub-type of QuoteType<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Working Delta</td></tr><tr><td>2</td><td>Basis Trade</td></tr><tr><td>3</td><td>Regular LDS Negotiation</td></tr><tr><td>4</td><td>Negotiate the underlying outside the exchange</td></tr><tr><td>5</td><td>Option Volatility Strategy with fixed Underlying price and delta</td></tr><tr><td>6</td><td>Option Volatility Strategy - Underlying price is negotiated on exchange</td></tr></table></td></tr>
<tr><td>555</td><td>NoLegs</td><td>Y</td><td>1</td><td>164</td><td>Counter</td><td>Number of QuotReqLegs repeating group instances.</td></tr>
<tr><td>54</td><td>Side</td><td>N</td><td>1</td><td>165</td><td>unsigned int</td><td>Side of the order.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Buy</td></tr><tr><td>2</td><td>Sell</td></tr></table></td></tr>
<tr><td>1227</td><td>ProductComplex</td><td>N</td><td>1</td><td>166</td><td>unsigned int</td><td>This field qualifies an instrument type on T7.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Simple instrument</td></tr><tr><td>2</td><td>Standard Option Strategy</td></tr><tr><td>3</td><td>Non-Standard Option Strategy</td></tr><tr><td>4</td><td>Volatility Strategy</td></tr><tr><td>5</td><td>Futures Spread</td></tr><tr><td>6</td><td>Inter-Product Spread</td></tr><tr><td>7</td><td>Standard Future Strategy</td></tr><tr><td>8</td><td>Pack and Bundle</td></tr><tr><td>9</td><td>Strip</td></tr><tr><td>11</td><td>Commodity Strip</td></tr><tr><td>13</td><td>Non-Standard Volatility Strategy</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1172	RespondentType	Y	1	167	unsigned int	Specifies the type of respondents requested. Value: 1 — Respondents are known during a negotiation Value: 102 — Respondents are anonymized after negotiation start, Requester will remain anonymous from start
2788	TradeAggregation-TransType	N	1	168	unsigned int	Trade Aggregation Identifier. Value: 0 — New
276	QuoteCondition	Y	1	169	char	Status of the quote. Value: A — Active
22001	PartyExecutingFirm	N	5	170	Fixed String	Owning business unit name. Valid characters: A-Z, 0-9, \x20
22012	PartyExecutingTrader	N	6	175	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20
22036	PartyEnteringTrader	N	6	181	Fixed String	The entering user Valid characters: A-Z, 0-9, \x20
22601	TargetPartyExecuting-Firm	N	5	187	Fixed String	Name of target business unit. Valid characters: A-Z, 0-9, \x20
22602	TargetPartyExecuting-Trader	N	6	192	Fixed String	Name of target user/trader. Valid characters: A-Z, 0-9, \x20
28762	FirmNegotiationID	N	20	198	Fixed String	User defined ID of a SRQS negotiation. Valid characters: \x01-\x7E
25172	FreeText5	N	132	218	Fixed String	Text field Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
22011	PartyOrder-OriginationTrader	N	132	350	Fixed String	Buy-side user information. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25225	ChargeID	N	132	482	Fixed String	Charge ID of Third Party Platform. Valid characters: \x20, \x22-\x7B, \x7D, \x7E

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
39020	Pad2	U	2	614	Fixed String	not used
<QuotReqLegsGrp> Cardinality: 0-20, Record counter: NoLegs						
602	>LegSecurityID	Y	8	616	signed int	Instrument identifier of the leg security.
623	>LegRatioQty	N	4	624	unsigned int	The ratio of quantity for this individual leg relative to the entire multileg security.
600	>LegSymbol	N	4	628	signed int	Product identifier of the leg security
609	>LegSecurityType	Y	1	632	unsigned int	Indicates type of leg. Value: 1 – Multileg Instrument Value: 2 – Underlying Leg
624	>LegSide	N	1	633	unsigned int	The side of the individual leg of a strategy as defined in its signature. Value: 1 – Buy Value: 2 – Sell
39060	>Pad6	U	6	634	Fixed String	not used

13.10 SRQS Update Negotiation Request

This message is submitted by the requester in order to modify a SRQS negotiation. This message is sent to the service "Selective Request for Quote Service".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10701 (QuoteRequest, MsgType = R)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
28759	QuoteRefPrice	N	8	24	PriceType	Depending upon Negotiation workflow this price can either be a reference price or an underlying price.
25149	UnderlyingDeltaPercentage	N	8	32	floatDecimal4	The effective underlying delta of a Vola-Strategy.
132	BidPx	N	8	40	PriceType	Bid price/rate.
133	OfferPx	N	8	48	PriceType	Offer price/rate.
38	OrderQty	N	8	56	Qty	Total quantity of the SRQS negotiation.
1300	MarketSegmentID	Y	4	64	signed int	Product identifier.
28758	NegotiationID	Y	4	68	unsigned int	ID of a SRQS negotiation.
1461	NoTargetPartyIDs	Y	1	72	Counter	Number of TargetParties records.

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>25145</td><td>NumberOfResp-DisclosureInstruction</td><td>Y</td><td>1</td><td>73</td><td>unsigned int</td><td>Instruction to show total number of Respondents in an EnLight event.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>No</td></tr><tr><td>1</td><td>Yes</td></tr></table></td></tr>
<tr><td>54</td><td>Side</td><td>N</td><td>1</td><td>74</td><td>unsigned int</td><td>Side of the order.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Buy</td></tr><tr><td>2</td><td>Sell</td></tr></table></td></tr>
<tr><td>25194</td><td>ShowLastDealOn-Closure</td><td>Y</td><td>1</td><td>75</td><td>unsigned int</td><td>Instruction to show last deal information after negotiation closure<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>No</td></tr><tr><td>1</td><td>Yes</td></tr></table></td></tr>
<tr><td>537</td><td>QuoteType</td><td>N</td><td>1</td><td>76</td><td>unsigned int</td><td>Quote Type<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Indicative (for Continuous Auction Issuer trading model and Eurex/Xetra EnLight only)</td></tr><tr><td>1</td><td>Tradeable</td></tr></table></td></tr>
<tr><td>28786</td><td>QuoteSubType</td><td>N</td><td>1</td><td>77</td><td>unsigned int</td><td>Sub-type of QuoteType<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Working Delta</td></tr><tr><td>2</td><td>Basis Trade</td></tr><tr><td>3</td><td>Regular LDS Negotiation</td></tr><tr><td>4</td><td>Negotiate the underlying outside the exchange</td></tr><tr><td>5</td><td>Option Volatility Strategy with fixed Underlying price and delta</td></tr><tr><td>6</td><td>Option Volatility Strategy - Underlying price is negotiated on exchange</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1172	RespondentType	N	1	78	unsigned int	Specifies the type of respondents requested. Value: 1 – Respondents are known during a negotiation Value: 102 – Respondents are anonymized after negotiation start, Requester will remain anonymous from start
2788	TradeAggregation-TransType	N	1	79	unsigned int	Trade Aggregation Identifier. Value: 0 – New
276	QuoteCondition	Y	1	80	char	Status of the quote. Value: A – Active Value: B – Closed
22001	PartyExecutingFirm	Y	5	81	Fixed String	Owning business unit name. Valid characters: A-Z, 0-9, \x20
22012	PartyExecutingTrader	Y	6	86	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20
25172	FreeText5	N	132	92	Fixed String	Text field Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
22011	PartyOrder-OriginationTrader	N	132	224	Fixed String	Buy-side user information. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25225	ChargeID	N	132	356	Fixed String	Charge ID of Third Party Platform. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
<TargetParties> Cardinality: 0-50, Record counter: NoTargetPartyIDs						
20612	>TargetParty-IDExecutingTrader	N	4	488	unsigned int	Anonymous user ID
25130	>SideDisclosure-Instruction	Y	1	492	unsigned int	Instruction to show side. Value: 0 – No Value: 1 – Yes

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25131	>PriceDisclosure-Instruction	Y	1	493	unsigned int	Instruction to show price. Value: 0 = No; 1 = Yes
25137	>LeavesQty-DisclosureInstruction	Y	1	494	unsigned int	Instruction to show leaves quantity. Value: 0 = No; 1 = Yes
25146	>LastPxDisclosure-Instruction	Y	1	495	unsigned int	Instruction to show last deal price. Value: 0 = No; 1 = Yes
25147	>LastQtyDisclosure-Instruction	Y	1	496	unsigned int	Instruction to show last deal quantity. Can only be set to 1 (Yes) if LastQty-DisclosureInstruction = 1(Yes). Value: 0 = No; 1 = Yes
31814	>Free-Text5Disclosure-Instruction	Y	1	497	unsigned int	Instruction to show FreeText5. Value: 0 = No; 1 = Yes
25190	>PartyOrder-OriginationDisclosure-Instruction	Y	1	498	unsigned int	Instruction to show buy-side user information. Value: 0 = No; 1 = Yes
25138	>QuoteInstruction	Y	1	499	unsigned int	Quoting instruction. Value: 0 = Do not re-quote; 1 = (Re-)Quote

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25226	>ChargeIDDisclosure-Instruction	Y	1	500	unsigned int	Instruction to show Charge ID. Value: 0 = No; 1 = Yes
22601	>TargetParty-ExecutingFirm	N	5	501	Fixed String	Name of target business unit. Valid characters: A-Z, 0-9, \x20
22602	>TargetParty-ExecutingTrader	N	6	506	Fixed String	Name of target user/trader. Valid characters: A-Z, 0-9, \x20
1672	>PartyDetailStatus	U	1	512	unsigned int	not used
25185	>PartyDetailStatus-Information	U	1	513	unsigned int	not used
39060	>Pad6	U	6	514	Fixed String	not used

13.11 SRQS Negotiation Notification for Requester

This message informs the requester about SRQS negotiation updates.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10712 (QuoteStatusReport, MsgType = AI)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	U	2	28	unsigned int	not used
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 9 = SRQS Maintenance
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
60	TransactTime	Y	8	40	UTCTimestamp	Transaction timestamp.
21001	TrdRegTSExecution-Time	N	8	48	UTCTimestamp	Time of the last SRQS Deal

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
28759	QuoteRefPrice	N	8	56	PriceType	Depending upon Negotiation workflow this price can either be a reference price or an underlying price.
25149	UnderlyingDelta-Percentage	N	8	64	floatDecimal4	The effective underlying delta of a Vola-Strategy.
132	BidPx	N	8	72	PriceType	Bid price/rate.
133	OfferPx	N	8	80	PriceType	Offer price/rate.
38	OrderQty	N	8	88	Qty	Total quantity of the SRQS negotiation.
31	LastPx	N	8	96	PriceType	Price of this fill.
151	LeavesQty	N	8	104	Qty	Open quantity of the SRQS negotiation.
32	LastQty	N	8	112	Qty	Quantity executed in this fill.
168	EffectiveTime	N	8	120	UTCTimestamp	Time an SRQS STP deal is executed
779	LastUpdateTime	N	8	128	UTCTimestamp	Creation timestamp of the strategy.
25184	TradeToRequestRatio	N	8	136	floatDecimal4	Ratio indicating amount of Trades to RFQ requested.
28758	NegotiationID	Y	4	144	unsigned int	ID of a SRQS negotiation.
25150	NumberOf-Respondents	N	4	148	unsigned int	Total number of Respondents in a SRQS event.
537	QuoteType	Y	1	152	unsigned int	Quote Type Value: 0 — Indicative (for Continuous Auction Issuer trading model and Eurex/Xetra EnLight only) Value: 1 — Tradeable
28786	QuoteSubType	Y	1	153	unsigned int	Sub-type of QuoteType Value: 1 — Working Delta Value: 2 — Basis Trade Value: 3 — Regular LDS Negotiation Value: 4 — Negotiate the underlying outside the exchange Value: 5 — Option Volatility Strategy with fixed Underlying price and delta Value: 6 — Option Volatility Strategy - Underlying price is negotiated on exchange

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1172	RespondentType	N	1	154	unsigned int	Specifies the type of respondents requested. Set for activation of a suspended negotiation. Value: 1 — Respondents are known during a negotiation Value: 102 — Respondents are anonymized after negotiation start, Requester will remain anonymous from start
1461	NoTargetPartyIDs	Y	1	155	Counter	Number of TargetParties records.
25145	NumberOfResp-DisclosureInstruction	Y	1	156	unsigned int	Instruction to show total number of Respondents in an EnLight event. Value: 0 — No Value: 1 — Yes
54	Side	N	1	157	unsigned int	Side of the order. Value: 1 — Buy Value: 2 — Sell
25194	ShowLastDealOn-Closure	Y	1	158	unsigned int	Instruction to show last deal information after negotiation closure Value: 0 — No Value: 1 — Yes
2788	TradeAggregation-TransType	N	1	159	unsigned int	Trade Aggregation Identifier. Value: 0 — New
276	QuoteCondition	Y	1	160	char	Status of the quote. Value: A — Active Value: B — Closed
22001	PartyExecutingFirm	Y	5	161	Fixed String	Owning business unit name. Valid characters: A-Z, 0-9, \x20
22012	PartyExecutingTrader	Y	6	166	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20

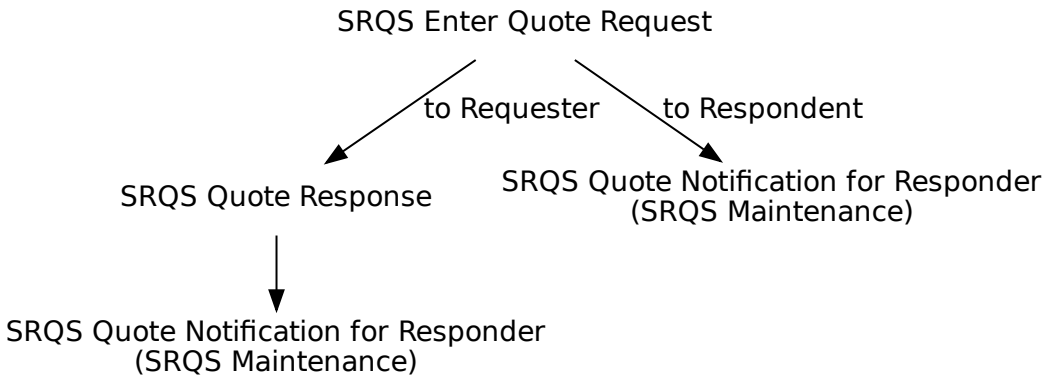
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
22036	PartyEnteringTrader	Y	6	172	Fixed String	The entering user Valid characters: A-Z, 0-9, \x20
28762	FirmNegotiationID	N	20	178	Fixed String	User defined ID of a SRQS negotiation. Valid characters: \x01-\x7E
25172	FreeText5	N	132	198	Fixed String	Text field Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
22011	PartyOrder-OriginationTrader	N	132	330	Fixed String	Buy-side user information. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25225	ChargeID	N	132	462	Fixed String	Charge ID of Third Party Platform. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
39060	Pad6	U	6	594	Fixed String	not used
<TargetParties> Cardinality: 0-50, Record counter: NoTargetPartyIDs						
20612	>TargetParty-IDExecutingTrader	N	4	600	unsigned int	Anonymous user ID
25130	>SideDisclosure-Instruction	Y	1	604	unsigned int	Instruction to show side. Value: 0 = No; 1 = Yes
25131	>PriceDisclosure-Instruction	Y	1	605	unsigned int	Instruction to show price. Value: 0 = No; 1 = Yes
25137	>LeavesQty-DisclosureInstruction	Y	1	606	unsigned int	Instruction to show leaves quantity. Value: 0 = No; 1 = Yes
25146	>LastPxDisclosure-Instruction	Y	1	607	unsigned int	Instruction to show last deal price. Value: 0 = No; 1 = Yes

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25147	>LastQtyDisclosure-Instruction	Y	1	608	unsigned int	Instruction to show last deal quantity. Can only be set to 1 (Yes) if LastQty-DisclosureInstruction = 1(Yes). Value: 0 = No; 1 = Yes
31814	>Free-Text5Disclosure-Instruction	Y	1	609	unsigned int	Instruction to show FreeText5. Value: 0 = No; 1 = Yes
25190	>PartyOrder-OriginationDisclosure-Instruction	Y	1	610	unsigned int	Instruction to show buy-side user information. Value: 0 = No; 1 = Yes
25138	>QuoteInstruction	Y	1	611	unsigned int	Quoting instruction. Value: 0 = Do not re-quote; 1 = (Re-)Quote
25226	>ChargeIDDisclosure-Instruction	Y	1	612	unsigned int	Instruction to show Charge ID. Value: 0 = No; 1 = Yes
22601	>TargetParty-ExecutingFirm	N	5	613	Fixed String	Name of target business unit. Valid characters: A-Z, 0-9, \x20
22602	>TargetParty-ExecutingTrader	N	6	618	Fixed String	Name of target user/trader. Valid characters: A-Z, 0-9, \x20
1672	>PartyDetailStatus	N	1	624	unsigned int	Member status. Value: 0 = Active; 1 = Suspend; 2 = Rejected

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>25185</td><td>>PartyDetailStatus-Information</td><td>N</td><td>1</td><td>625</td><td>unsigned int</td><td>Reason for a responder reject<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>High TRR (TradeToRequest-Ratio) threshold</td></tr><tr><td>2</td><td>Anonymous negotiation blocked by responder</td></tr></table></td></tr>
<tr><td>39060</td><td>>Pad6</td><td>U</td><td>6</td><td>626</td><td>Fixed String</td><td>not used</td></tr>
</table>

13.12 SRQS Enter Quote Request

This message is submitted by any (targeted) respondent within the context of a SRQS negotiation (in order to respond to a RfQ). This message is sent to the service "Selective Request for Quote Service".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10702 (QuoteRequest, MsgType = R)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
132	BidPx	N	8	24	PriceType	Bid price/rate.
133	OfferPx	N	8	32	PriceType	Offer price/rate.
25149	UnderlyingDeltaPercentage	N	8	40	floatDecimal4	The effective underlying delta of a Vola-Strategy.
134	BidSize	N	8	48	Qty	Quantity of bid.
135	OfferSize	N	8	56	Qty	Quantity of offer.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
20003	PartyIDClientID	N	8	64	unsigned int	MiFID field: Client Identifier field (ESMA Field 3 (Section A))used to identify the client of an order for agent account of the member or participant of the trading venue. If the Client Identifier field is not provided for agent orders, then they will be rejected. For orders sent with Trading Capacity Proprietary or Market Making, the Client Identifier field may remain empty.
20122	PartyIdInvestment-DecisionMaker	N	8	72	unsigned int	MiFID field: Investment decision within firm (ESMA Field 4 (Section A)) is the code used to identify the person or the algorithm within the member or participant of the Trading Venue who is responsible for the investment decision.
25123	ExecutingTrader	N	8	80	unsigned int	MiFID field: Executing Trader data Field(ESMA Field 5 (Section A))used to identify the person or algorithm within the member or participant of the trading venue who is responsible for the execution of the transaction resulting from the order.
28759	QuoteRefPrice	N	8	88	PriceType	Depending upon Negotiation workflow this price can either be a reference price or an underlying price.
62	ValidUntilTime	N	8	96	UTCTimestamp	Time until an entity is valid.
1300	MarketSegmentID	Y	4	104	signed int	Product identifier.
28758	NegotiationID	Y	4	108	unsigned int	ID of a SRQS negotiation.
23002	OrderAttribute-LiquidityProvision	N	1	112	unsigned int	MiFID field: Indication as to whether an order is submitted to a Trading Venue as part of a market making strategy. Value: 1 – Liquidity provision Value: 0 – No liquidity provision

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25124	ExecutingTrader-Qualifier	N	1	113	unsigned int	MiFID field: Qualifier for field ExecutingTrader. It is required to distinguish between natural persons and Algos. Value: 22 = Algo; 24 = Human/Natural person
21222	PartyIdInvestment-DecisionMaker-Qualifier	N	1	114	unsigned int	MiFID field: Qualifier for field PartyIdInvestmentDecisionMaker. Members/participants will have the possibility to specify an Investment qualifier value to distinguish between natural persons and Algos. Value: 22 = Algo; 24 = Human/Natural person
1815	TradingCapacity	N	1	115	unsigned int	This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker. Value: 1 = Customer (Agency); 5 = Principal (Proprietary); 6 = Market Maker
22001	PartyExecutingFirm	Y	5	116	Fixed String	Owning business unit name. Valid characters: A-Z, 0-9, \x20
22012	PartyExecutingTrader	Y	6	121	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20
25007	FreeText1	N	12	127	Fixed String	First free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25008	FreeText2	N	12	139	Fixed String	Second free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>25009</td><td>FreeText3</td><td>N</td><td>12</td><td>151</td><td>Fixed String</td><td>Third free-format text field for trader-specific or customer-related comments.
Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E</td></tr>
<tr><td>25172</td><td>FreeText5</td><td>N</td><td>132</td><td>163</td><td>Fixed String</td><td>Text field
Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E</td></tr>
<tr><td>77</td><td>PositionEffect</td><td>N</td><td>1</td><td>295</td><td>char</td><td>Field is used for T7 position management purposes and indicates whether the order is submitted to open or close a position.<table><tr><td>Value</td><td>Description</td></tr><tr><td>C</td><td>Close</td></tr><tr><td>O</td><td>Open</td></tr></table></td></tr>
<tr><td>1</td><td>Account</td><td>N</td><td>2</td><td>296</td><td>Fixed String</td><td>Accounts to book trades and keep positions on.
Valid characters: 1-9, \x41, \x47, \x49, \x4D, \x50, \x52</td></tr>
<tr><td>20032</td><td>PartyIDBeneficiary</td><td>N</td><td>9</td><td>298</td><td>Fixed String</td><td>Final Beneficiary.
Valid characters: A-Z, 0-9, \x20</td></tr>
<tr><td>1031</td><td>CustOrderHandling-Inst</td><td>N</td><td>1</td><td>307</td><td>Fixed String</td><td>Identifies the source of an order, in accordance with the FIA guidelines for a rate Identifier.The field is for participant use only.<table><tr><td>Value</td><td>Description</td></tr><tr><td>W</td><td>Desk</td></tr><tr><td>Y</td><td>Electronic</td></tr><tr><td>C</td><td>Vendor-provided Platform billed by Executing Broker</td></tr><tr><td>G</td><td>Sponsored Access via Exchange API or FIX provided by Executing Broker</td></tr><tr><td>H</td><td>Premium Algorithmic Trading Provider billed by Executing Broker</td></tr><tr><td>D</td><td>Other, including Other-provided Screen</td></tr><tr><td>*</td><td>More values</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
20013	PartyIDOrder-OriginationFirm	N	7	308	Fixed String	External Member ID. Valid characters: A-Z, 0-9, \x20
20038	PartyIDPosition-Account	N	32	315	Fixed String	'Flexible Account' information. Valid characters: \x20, \x30-\x39, \x41-\x5A
20075	PartyIDLocationID	N	2	347	Fixed String	Country code. Will be set to "XX" for non-capital letters. Valid characters: \x01-\x7E
2404	ComplianceText	N	20	349	Fixed String	This field is used to provide additional regulatory information (according to respective rules & regs, circulars and/or bilateral coordination between participant and Trading Surveillance Office). Valid characters: \x20, \x22-\x7B, \x7D, \x7E
20096	PartyIDTakeUp-TradingFirm	N	5	369	Fixed String	Take-up Member Short Name. Valid characters: A-Z, 0-9, \x20
39020	Pad2	U	2	374	Fixed String	not used

13.13 SRQS Quote Notification for Responder

This message informs both, requester and quote submitting respondent about a quote entry within the context of a SRQS negotiation.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10707 (Quote, MsgType = S)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	U	8	16	unsigned int	not used
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	U	2	28	unsigned int	not used
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 9 = SRQS Maintenance
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
60	TransactTime	Y	8	40	UTCTimestamp	Transaction timestamp.
117	QuoteID	N	8	48	unsigned int	System defined unique quote identifier
1751	SecondaryQuoteID	N	8	56	unsigned int	Identifier of the replaced quote.
132	BidPx	N	8	64	PriceType	Bid price/rate.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
134	BidSize	N	8	72	Qty	Quantity of bid.
133	OfferPx	N	8	80	PriceType	Offer price/rate.
135	OfferSize	N	8	88	Qty	Quantity of offer.
25149	UnderlyingDelta-Percentage	N	8	96	floatDecimal4	The effective underlying delta of a Vola-Strategy.
28759	QuoteRefPrice	N	8	104	PriceType	Depending upon Negotiation workflow this price can either be a reference price or an underlying price.
126	ExpireTime	N	8	112	UTCTimestamp	Time an entity expires.
28758	NegotiationID	Y	4	120	unsigned int	ID of a SRQS negotiation.
28787	QuotingStatus	Y	1	124	unsigned int	Quoting status for the executing party Value: 1 = Open/Active; 2 = Open/Working; 3 = Closed/Inactive
1011	MessageEventSource	Y	1	125	char	Receiver of a message. Value: R = Broadcast to requestor; Q = Broadcast to quote submitter
1815	TradingCapacity	N	1	126	unsigned int	This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker. Value: 1 = Customer (Agency); 5 = Principal (Proprietary); 6 = Market Maker
28747	QuoteCancelReason	N	1	127	unsigned int	Reason for quote cancellation. Value: 5 = Expired
20012	PartyIDExecuting-Trader	N	4	128	unsigned int	Anonymous user ID
22001	PartyExecutingFirm	N	5	132	Fixed String	Owning business unit name. Valid characters: A-Z, 0-9, \x20
22012	PartyExecutingTrader	N	6	137	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20
22036	PartyEnteringTrader	N	6	143	Fixed String	The entering user Valid characters: A-Z, 0-9, \x20

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
131	QuoteReqID	N	20	149	Fixed String	SRQS negotiation report ID Valid characters: \x01-\x7E
25007	FreeText1	N	12	169	Fixed String	First free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25008	FreeText2	N	12	181	Fixed String	Second free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25009	FreeText3	N	12	193	Fixed String	Third free-format text field for trader-specific or customer-related comments. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25172	FreeText5	N	132	205	Fixed String	Text field Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
77	PositionEffect	N	1	337	char	Field is used for T7 position management purposes and indicates whether the order is submitted to open or close a position. Value: C — Close; O — Open
1	Account	N	2	338	Fixed String	Accounts to book trades and keep positions on. Valid characters: 1-9, \x41, \x47, \x49, \x4D, \x50, \x52
20032	PartyIDBeneficiary	N	9	340	Fixed String	Final Beneficiary. Valid characters: A-Z, 0-9, \x20

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1031	CustOrderHandling-Inst	N	1	349	Fixed String	Identifies the source of an order, in accordance with the FIA guidelines for a rate Identifier.The field is for participant use only. Value: Description W: Desk Y: Electronic C: Vendor-provided Platform billed by Executing Broker G: Sponsored Access via Exchange API or FIX provided by Executing Broker H: Premium Algorithmic Trading Provider billed by Executing Broker D: Other, including Other-provided Screen *: More values
20013	PartyIDOrder-OriginationFirm	N	7	350	Fixed String	External Member ID. Valid characters: A-Z, 0-9, \x20
20038	PartyIDPosition-Account	N	32	357	Fixed String	'Flexible Account' information. Valid characters: \x20, \x30-\x39, \x41-\x5A
20075	PartyIDLocationID	N	2	389	Fixed String	Country code. Will be set to "XX" for non-capital letters. Valid characters: \x01-\x7E
2404	ComplianceText	N	20	391	Fixed String	This field is used to provide additional regulatory information (according to respective rules & regs, circulars and/or bilateral coordination between participant and Trading Surveillance Office). Valid characters: \x20, \x22-\x7B, \x7D, \x7E
20096	PartyIDTakeUp-TradingFirm	N	5	411	Fixed String	Take-up Member Short Name. Valid characters: A-Z, 0-9, \x20

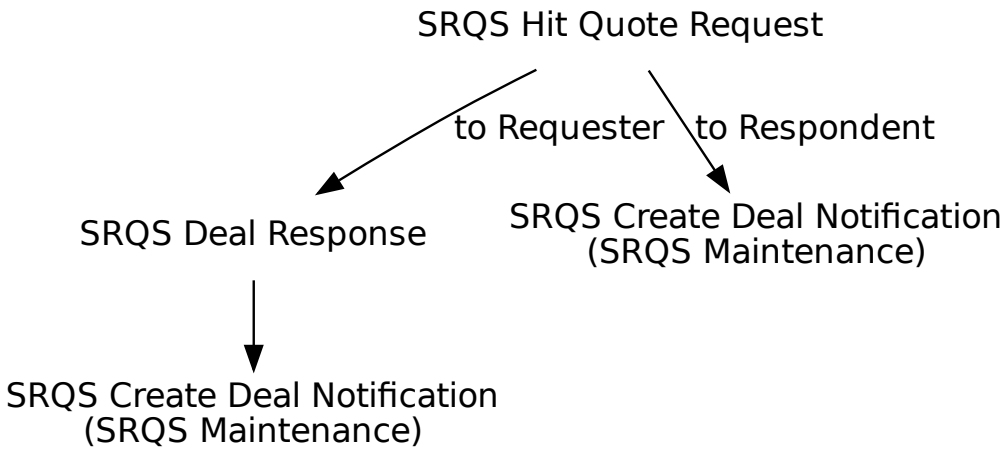
13.14 SRQS Enter Quoting Status Request

This message is used to enter a SRQS quoting status. This message is sent to the service "Selective Request for Quote Service".

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10717 (MassQuoteAcknowledgement, MsgType = b)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
1300	MarketSegmentID	Y	4	24	signed int	Product identifier.
28758	NegotiationID	Y	4	28	unsigned int	ID of a SRQS negotiation.
28787	QuotingStatus	N	1	32	unsigned int	Quoting status for the executing party Value: 2 = Open/Working; 3 = Closed/Inactive
22001	PartyExecutingFirm	Y	5	33	Fixed String	Owning business unit name. Valid characters: A-Z, 0-9, \x20
22012	PartyExecutingTrader	Y	6	38	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20
25172	FreeText5	N	132	44	Fixed String	Text field Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E

13.15 SRQS Hit Quote Request

The message is submitted by the requester in order to create a SRQS deal by targeting a specific quote side of one of the respondents. This message is sent to the service "Selective Request for Quote Service".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10704 (QuoteResponse, MsgType = AJ)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
62	ValidUntilTime	N	8	24	UTCTimestamp	Time until an entity is valid.
879	UnderlyingQty	N	8	32	Qty	Nominal value of an underlying
30889	UnderlyingPriceStipValue	N	8	40	PriceType	Limit price for the underlying price

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
20003	PartyIDClientID	N	8	48	unsigned int	MiFID field: Client Identifier field (ESMA Field 3 (Section A))used to identify the client of an order for agent account of the member or participant of the trading venue. If the Client Identifier field is not provided for agent orders, then they will be rejected. For orders sent with Trading Capacity Proprietary or Market Making, the Client Identifier field may remain empty.
20122	PartyIdInvestment-DecisionMaker	N	8	56	unsigned int	MiFID field: Investment decision within firm (ESMA Field 4 (Section A)) is the code used to identify the person or the algorithm within the member or participant of the Trading Venue who is responsible for the investment decision.
25123	ExecutingTrader	N	8	64	unsigned int	MiFID field: Executing Trader data Field(ESMA Field 5 (Section A))used to identify the person or algorithm within the member or participant of the trading venue who is responsible for the execution of the transaction resulting from the order.
1300	MarketSegmentID	Y	4	72	signed int	Product identifier.
28758	NegotiationID	Y	4	76	unsigned int	ID of a SRQS negotiation.
23002	OrderAttribute-LiquidityProvision	N	1	80	unsigned int	MiFID field: Indication as to whether an order is submitted to a Trading Venue as part of a market making strategy. Value: 1 – Liquidity provision Value: 0 – No liquidity provision
25124	ExecutingTrader-Qualifier	N	1	81	unsigned int	MiFID field: Qualifier for field ExecutingTrader. It is required to distinguish between natural persons and Algos. Value: 22 – Algo Value: 24 – Human/Natural person

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>21222</td><td>PartyIdInvestment-DecisionMaker-Qualifier</td><td>N</td><td>1</td><td>82</td><td>unsigned int</td><td>MiFID field: Qualifier for field PartyIdInvestmentDecisionMaker. Members/participants will have the possibility to specify an Investment qualifier value to distinguish between natural persons and Algos.<table><tr><th>Value</th><th>Description</th></tr><tr><td>22</td><td>Algo</td></tr><tr><td>24</td><td>Human/Natural person</td></tr></table></td></tr>
<tr><td>1815</td><td>TradingCapacity</td><td>N</td><td>1</td><td>83</td><td>unsigned int</td><td>This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Customer (Agency)</td></tr><tr><td>5</td><td>Principal (Proprietary)</td></tr><tr><td>6</td><td>Market Maker</td></tr></table></td></tr>
<tr><td>1390</td><td>TradePublishIndicator</td><td>N</td><td>1</td><td>84</td><td>unsigned int</td><td>Indicates if a trade should be reported via the market reporting service.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Do not publish trade</td></tr><tr><td>1</td><td>Publish trade</td></tr></table></td></tr>
<tr><td>1724</td><td>OrderOrigination</td><td>N</td><td>1</td><td>85</td><td>unsigned int</td><td>MiFID field: Field to indicate order received from a direct access or sponsored access customer<table><tr><th>Value</th><th>Description</th></tr><tr><td>5</td><td>Order received from a direct access customer</td></tr><tr><td>105</td><td>Order received from a sponsored access customer</td></tr></table></td></tr>
<tr><td>30059</td><td>HedgingInstruction</td><td>N</td><td>1</td><td>86</td><td>unsigned int</td><td>Indication for the hedge transaction.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Execute hedge transaction in the closing auction of the underlying</td></tr></table></td></tr>
<tr><td>25218</td><td>NoSRQSQuoteGrps</td><td>Y</td><td>1</td><td>87</td><td>Counter</td><td>Number of SRQS quotes</td></tr>
<tr><td>22001</td><td>PartyExecutingFirm</td><td>Y</td><td>5</td><td>88</td><td>Fixed String</td><td>Owning business unit name.
Valid characters: A-Z, 0-9, \x20</td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
22012	PartyExecutingTrader	Y	6	93	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20
1041	FirmTradeID	N	20	99	Fixed String	User defined deal ID Valid characters: \x01-\x7E
25007	FreeText1	N	12	119	Fixed String	First free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25008	FreeText2	N	12	131	Fixed String	Second free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25009	FreeText3	N	12	143	Fixed String	Third free-format text field for trader-specific or customer-related comments. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25172	FreeText5	N	132	155	Fixed String	Text field Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
77	PositionEffect	N	1	287	char	Field is used for T7 position management purposes and indicates whether the order is submitted to open or close a position. Value: C – Close; O – Open
1	Account	N	2	288	Fixed String	Accounts to book trades and keep positions on. Valid characters: 1-9, \x41, \x47, \x49, \x4D, \x50, \x52
20032	PartyIDBeneficiary	N	9	290	Fixed String	Final Beneficiary. Valid characters: A-Z, 0-9, \x20

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1031	CustOrderHandling-Inst	N	1	299	Fixed String	Identifies the source of an order, in accordance with the FIA guidelines for a rate Identifier.The field is for participant use only. Value: Description W: Desk Y: Electronic C: Vendor-provided Platform billed by Executing Broker G: Sponsored Access via Exchange API or FIX provided by Executing Broker H: Premium Algorithmic Trading Provider billed by Executing Broker D: Other, including Other-provided Screen *: More values
20013	PartyIDOrder-OriginationFirm	N	7	300	Fixed String	External Member ID. Valid characters: A-Z, 0-9, \x20
20038	PartyIDPosition-Account	N	32	307	Fixed String	'Flexible Account' information. Valid characters: \x20, \x30-\x39, \x41-\x5A
20075	PartyIDLocationID	N	2	339	Fixed String	Country code. Will be set to "XX" for non-capital letters. Valid characters: \x01-\x7E
2404	ComplianceText	N	20	341	Fixed String	This field is used to provide additional regulatory information (according to respective rules & regs, circulars and/or bilateral coordination between participant and Trading Surveillance Office). Valid characters: \x20, \x22-\x7B, \x7D, \x7E
20096	PartyIDTakeUp-TradingFirm	N	5	361	Fixed String	Take-up Member Short Name. Valid characters: A-Z, 0-9, \x20
25241	PartyEndClient-Identification	N	20	366	Fixed String	End client identifier. Valid characters: A-Z, 0-9, \x20, \x5F
39060	Pad6	U	6	386	Fixed String	not used
<SRQSHitQuoteGrp> Cardinality: 0-30, Record counter: NoSRQSQuoteGrps						
38	>OrderQty	Y	8	392	Qty	Total Order Quantity.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
117	>QuoteID	Y	8	400	unsigned int	System defined unique quote identifier
54	>Side	Y	1	408	unsigned int	Side of the order. Value: 1 = Buy; 2 = Sell
39070	>Pad7	U	7	409	Fixed String	not used

13.16 SRQS Deal Response

This message confirms the SRQS Hit Quote and SRQS Update Deal requests.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10705 (QuoteAck, MsgType = CW)
39020	Pad2	U	2	6	Fixed String	not used
<ResponseHeader>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Outgoing timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
39040	Pad4	U	4	28	Fixed String	not used
<MessageBody>						
48	SecurityID	N	8	32	signed int	Instrument identifier.
28758	NegotiationID	Y	4	40	unsigned int	ID of a SRQS negotiation.
1003	TradeID	N	4	44	unsigned int	System defined SRQS deal identifier.
1040	SecondaryTradeID	N	4	48	unsigned int	Second system defined SRQS deal identifier. Please refer to the functional refernce for the details.
25218	NoSRQSQuoteGrps	Y	1	52	Counter	Number of SRQS quotes
1041	FirmTradeID	N	20	53	Fixed String	User defined deal ID Valid characters: \x01-\x7E
28762	FirmNegotiationID	N	20	73	Fixed String	User defined ID of a SRQS negotiation. Valid characters: \x01-\x7E
39030	Pad3	U	3	93	Fixed String	not used
<SRQSQuoteGrp> Cardinality: 0 - 30, Record counter: NoSRQSQuoteGrps						
117	>QuoteID	Y	8	96	unsigned int	System defined unique quote identifier

13.17 SRQS Create Deal Notification

This message informs both, requester and respondent about the creation of a SRQS deal.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10708 (TradeCaptureReport, MsgType = AE)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	U	2	28	unsigned int	not used
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 9 = SRQS Maintenance
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
60	TransactTime	Y	8	40	UTCTimestamp	Transaction timestamp.
31	LastPx	Y	8	48	PriceType	Price of this fill.
32	LastQty	Y	8	56	Qty	Quantity of the SRQS deal.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
48	SecurityID	N	8	64	signed int	Instrument identifier.
126	ExpireTime	N	8	72	UTCTimestamp	Time an entity expires.
810	UnderlyingPx	N	8	80	PriceType	Underlying price associated with a derivative instrument.
25149	UnderlyingDelta-Percentage	N	8	88	floatDecimal4	The effective underlying delta of a Vola-Strategy.
25151	UnderlyingEffective-DeltaPercentage	N	8	96	floatDecimal4	The effective underlying delta of a Vola-Strategy.
879	UnderlyingQty	N	8	104	Qty	Nominal value of an underlying
30889	UnderlyingPriceStip-Value	N	8	112	PriceType	Limit price for the underlying price
28758	NegotiationID	Y	4	120	unsigned int	ID of a SRQS negotiation.
1003	TradeID	Y	4	124	unsigned int	System defined SRQS deal ID.
1126	OrigTradeID	N	4	128	unsigned int	In case of a trade reversal/modification this field provides the original trade identifier.
939	TrdRptStatus	Y	1	132	unsigned int	Status of the SRQS deal. Value: 0 = Accepted; 4 = Pending new
856	TradeReportType	N	1	133	unsigned int	Used for negotiations for working delta or basis trades. Only for TrdRptStatus = 'Accepted Value: 5 = No/Was (Replaced)
1011	MessageEventSource	Y	1	134	char	Receiver of a message. Value: R = Broadcast to requestor; Q = Broadcast to quote submitter
54	Side	Y	1	135	unsigned int	Side of the order. Value: 1 = Buy; 2 = Sell
28769	NoOrderBookItems	N	1	136	Counter	

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1815	TradingCapacity	N	1	137	unsigned int	This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker. Value: 1 = Customer (Agency); 5 = Principal (Proprietary); 6 = Market Maker
1390	TradePublishIndicator	N	1	138	unsigned int	Indicates if a trade should be reported via the market reporting service. Value: 0 = Do not publish trade; 1 = Publish trade
30059	HedgingInstruction	N	1	139	unsigned int	Indication for the hedge transaction. Value: 1 = Execute hedge transaction in the closing auction of the underlying
25219	NoSRQSTargetParty-TrdGrps	Y	1	140	Counter	Number of SRQS deals
22401	RootPartyExecuting-Firm	N	5	141	Fixed String	Business unit name of the requester. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
22412	RootPartyExecuting-Trader	N	6	146	Fixed String	Owning trader name of the SRQS negotiation. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
22436	RootPartyEntering-Trader	N	6	152	Fixed String	Entering trader name of the requester. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
1041	FirmTradeID	N	20	158	Fixed String	User defined deal ID Valid characters: \x01-\x7E
28762	FirmNegotiationID	N	20	178	Fixed String	User defined ID of a SRQS negotiation. Valid characters: \x01-\x7E

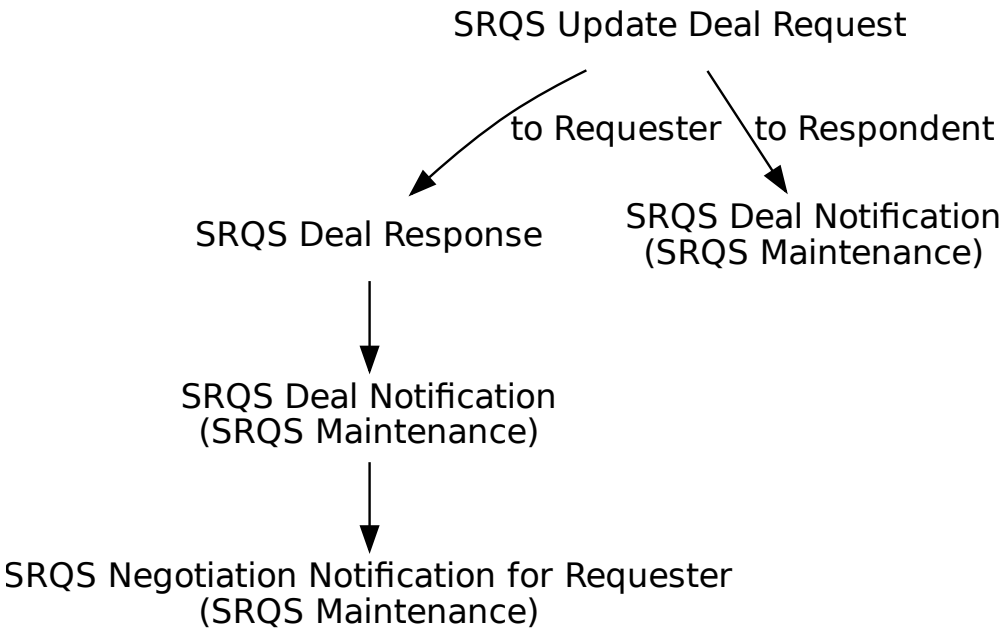
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25007	FreeText1	N	12	198	Fixed String	First free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25008	FreeText2	N	12	210	Fixed String	Second free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25009	FreeText3	N	12	222	Fixed String	Third free-format text field for trader-specific or customer-related comments. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25172	FreeText5	N	132	234	Fixed String	Text field Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
77	PositionEffect	N	1	366	char	Field is used for T7 position management purposes and indicates whether the order is submitted to open or close a position. Value: C = Close; O = Open
1	Account	N	2	367	Fixed String	Accounts to book trades and keep positions on. Valid characters: 1-9, \x41, \x47, \x49, \x4D, \x50, \x52
20032	PartyIDBeneficiary	N	9	369	Fixed String	Final Beneficiary. Valid characters: A-Z, 0-9, \x20

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1031	CustOrderHandling-Inst	N	1	378	Fixed String	Identifies the source of an order, in accordance with the FIA guidelines for a rate Identifier.The field is for participant use only. Value: Description W: Desk Y: Electronic C: Vendor-provided Platform billed by Executing Broker G: Sponsored Access via Exchange API or FIX provided by Executing Broker H: Premium Algorithmic Trading Provider billed by Executing Broker D: Other, including Other-provided Screen *: More values
20013	PartyIDOrder-OriginationFirm	N	7	379	Fixed String	External Member ID. Valid characters: A-Z, 0-9, \x20
20038	PartyIDPosition-Account	N	32	386	Fixed String	'Flexible Account' information. Valid characters: \x20, \x30-\x39, \x41-\x5A
20075	PartyIDLocationID	N	2	418	Fixed String	Country code. Will be set to "XX" for non-capital letters. Valid characters: \x01-\x7E
2404	ComplianceText	N	20	420	Fixed String	This field is used to provide additional regulatory information (according to respective rules & regs, circulars and/or bilateral coordination between participant and Trading Surveillance Office). Valid characters: \x20, \x22-\x7B, \x7D, \x7E
20096	PartyIDTakeUp-TradingFirm	N	5	440	Fixed String	Take-up Member Short Name. Valid characters: A-Z, 0-9, \x20
39030	Pad3	U	3	445	Fixed String	not used
<OrderBookItemGrp> Cardinality: 0-26, Record counter: NoOrderBookItems						
48	>SecurityID	Y	8	448	signed int	Instrument identifier.
25132	>BestBidPx	N	8	456	PriceType	On-book trading best bid price.
25134	>BestBidSize	N	8	464	Qty	On-book trading best bid quantity.
25133	>BestOfferPx	N	8	472	PriceType	On-book trading best offer price.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25135	>BestOfferSize	N	8	480	Qty	On-book trading best ask quantity.
1024	>MDBookType	Y	1	488	unsigned int	Type of market data Value: 1 = Top of book; 2 = Price depth (aggregated)
1173	>MDSubBookType	N	1	489	unsigned int	Sub-type/qualifier of market data Value: 1 = Implied; 2 = Volume Weighted Average
39060	>Pad6	U	6	490	Fixed String	not used
<SRQSTargetPartyTrdGrp> Cardinality: 1-30, Record counter: NoSRQSTargetPartyTrdGrps						
1009	>SideLastQty	Y	8	0	Qty	Fill quantity for the original T7 strategy.
117	>QuoteID	Y	8	8	unsigned int	System defined unique quote identifier
20612	>TargetParty-IDExecutingTrader	N	4	16	unsigned int	Owning User ID.
22601	>TargetParty-ExecutingFirm	N	5	20	Fixed String	Name of target business unit. Valid characters: A-Z, 0-9, \x20
22602	>TargetParty-ExecutingTrader	N	6	25	Fixed String	Name of target user/trader. Valid characters: A-Z, 0-9, \x20
22636	>TargetParty-EnteringTrader	N	6	31	Fixed String	Name of target user/trader. Valid characters: A-Z, 0-9, \x20
39030	>Pad3	U	3	37	Fixed String	not used

13.18 SRQS Update Deal Request

This message is used to change the state of a SRQS deal. The message flow below does not reflect "working delta". Please refer to the appendix for more details. This message is sent to the service "Selective Request for Quote Service".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10706 (TradeCaptureReport, MsgType = AE)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
30889	UnderlyingPriceStipValue	N	8	24	PriceType	Limit price for the underlying price

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
810	UnderlyingPx	N	8	32	PriceType	Underlying price associated with a derivative instrument.
32	LastQty	N	8	40	Qty	Quantity executed in this fill.
1300	MarketSegmentID	Y	4	48	signed int	Product identifier.
28758	NegotiationID	Y	4	52	unsigned int	ID of a SRQS negotiation.
1003	TradeID	Y	4	56	unsigned int	System defined SRQS deal ID.
856	TradeReportType	Y	1	60	unsigned int	The TradeReportType is used to finalize a pending deal (Accept) or to reject a pending deal (Trade_report_cancel) or to reject a pending cancelled deal (Decline). Value: 2 = Accept; 3 = Decline; 6 = Trade Report Cancel
939	TrdRptStatus	N	1	61	unsigned int	Used for negotiations for working delta or basis trades. It is used to set a negotiation to working status (Deemed_verified) or to set a pending/working deal to final (Accepted). Value: 0 = Accepted; 4 = Pending new; 9 = Deemed verified
22001	PartyExecutingFirm	Y	5	62	Fixed String	Owning business unit name. Valid characters: A-Z, 0-9, \x20
22012	PartyExecutingTrader	Y	6	67	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20
25172	FreeText5	N	132	73	Fixed String	Text field Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
39030	Pad3	U	3	205	Fixed String	not used

13.19 SRQS Deal Notification

This message informs about the change of a SRQS deal state.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10709 (TradeCaptureReport, MsgType = AE)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	U	2	28	unsigned int	not used
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 9 = SRQS Maintenance
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
60	TransactTime	Y	8	40	UTCTimestamp	Transaction timestamp.
30889	UnderlyingPriceStipValue	N	8	48	PriceType	Limit price for the underlying price

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>810</td><td>UnderlyingPx</td><td>N</td><td>8</td><td>56</td><td>PriceType</td><td>Underlying price associated with a derivative instrument.</td></tr>
<tr><td>31</td><td>LastPx</td><td>N</td><td>8</td><td>64</td><td>PriceType</td><td>Price of this fill.</td></tr>
<tr><td>32</td><td>LastQty</td><td>N</td><td>8</td><td>72</td><td>Qty</td><td>Quantity executed in this fill.</td></tr>
<tr><td>28758</td><td>NegotiationID</td><td>Y</td><td>4</td><td>80</td><td>unsigned int</td><td>ID of a SRQS negotiation.</td></tr>
<tr><td>1003</td><td>TradeID</td><td>Y</td><td>4</td><td>84</td><td>unsigned int</td><td>System defined SRQS deal ID.</td></tr>
<tr><td>1663</td><td>RequestingPartySub-IDType</td><td>N</td><td>2</td><td>88</td><td>unsigned int</td><td>Party type initiating SRQS deal deletion<table><tr><th>Value</th><th>Description</th></tr><tr><td>5000</td><td>Requester</td></tr><tr><td>5001</td><td>Responder</td></tr><tr><td>5002</td><td>Both (Requester and Responder)</td></tr><tr><td>5003</td><td>System</td></tr></table></td></tr>
<tr><td>939</td><td>TrdRptStatus</td><td>Y</td><td>1</td><td>90</td><td>unsigned int</td><td>Status of the SRQS deal.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Accepted</td></tr><tr><td>4</td><td>Pending new</td></tr><tr><td>2</td><td>Cancelled</td></tr><tr><td>7</td><td>Terminated</td></tr><tr><td>9</td><td>Deemed verified</td></tr></table></td></tr>
<tr><td>749</td><td>TradeRequestResult</td><td>N</td><td>1</td><td>91</td><td>unsigned int</td><td>Trade request transaction type<table><tr><th>Value</th><th>Description</th></tr><tr><td>100</td><td>Deal cancellation pending</td></tr><tr><td>101</td><td>Deal cancellation declined</td></tr><tr><td>102</td><td>Deal cancellation approved</td></tr></table></td></tr>
<tr><td>1011</td><td>MessageEventSource</td><td>Y</td><td>1</td><td>92</td><td>char</td><td>Receiver of a message.<table><tr><th>Value</th><th>Description</th></tr><tr><td>R</td><td>Broadcast to requestor</td></tr><tr><td>Q</td><td>Broadcast to quote submitter</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1815	TradingCapacity	N	1	93	unsigned int	This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker. Value: 1 = Customer (Agency); 5 = Principal (Proprietary); 6 = Market Maker
25219	NoSRQSTargetParty-TrdGrps	N	1	94	Counter	Number of SRQS deals
22401	RootPartyExecuting-Firm	N	5	95	Fixed String	Business unit name of the requester. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
22412	RootPartyExecuting-Trader	N	6	100	Fixed String	Owning trader name of the SRQS negotiation. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
22436	RootPartyEntering-Trader	N	6	106	Fixed String	Entering trader name of the requester. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
1041	FirmTradeID	N	20	112	Fixed String	User defined deal ID Valid characters: \x01-\x7E
28762	FirmNegotiationID	N	20	132	Fixed String	User defined ID of a SRQS negotiation. Valid characters: \x01-\x7E
25007	FreeText1	N	12	152	Fixed String	First free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25008	FreeText2	N	12	164	Fixed String	Second free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>25009</td><td>FreeText3</td><td>N</td><td>12</td><td>176</td><td>Fixed String</td><td>Third free-format text field for trader-specific or customer-related comments.
Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E</td></tr>
<tr><td>25172</td><td>FreeText5</td><td>N</td><td>132</td><td>188</td><td>Fixed String</td><td>Text field
Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E</td></tr>
<tr><td>77</td><td>PositionEffect</td><td>N</td><td>1</td><td>320</td><td>char</td><td>Field is used for T7 position management purposes and indicates whether the order is submitted to open or close a position.<table><tr><td>Value</td><td>Description</td></tr><tr><td>C</td><td>Close</td></tr><tr><td>O</td><td>Open</td></tr></table></td></tr>
<tr><td>1</td><td>Account</td><td>N</td><td>2</td><td>321</td><td>Fixed String</td><td>Accounts to book trades and keep positions on.
Valid characters: 1-9, \x41, \x47, \x49, \x4D, \x50, \x52</td></tr>
<tr><td>20032</td><td>PartyIDBeneficiary</td><td>N</td><td>9</td><td>323</td><td>Fixed String</td><td>Final Beneficiary.
Valid characters: A-Z, 0-9, \x20</td></tr>
<tr><td>1031</td><td>CustOrderHandling-Inst</td><td>N</td><td>1</td><td>332</td><td>Fixed String</td><td>Identifies the source of an order, in accordance with the FIA guidelines for a rate Identifier.The field is for participant use only.<table><tr><td>Value</td><td>Description</td></tr><tr><td>W</td><td>Desk</td></tr><tr><td>Y</td><td>Electronic</td></tr><tr><td>C</td><td>Vendor-provided Platform billed by Executing Broker</td></tr><tr><td>G</td><td>Sponsored Access via Exchange API or FIX provided by Executing Broker</td></tr><tr><td>H</td><td>Premium Algorithmic Trading Provider billed by Executing Broker</td></tr><tr><td>D</td><td>Other, including Other-provided Screen</td></tr><tr><td>*</td><td>More values</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
20013	PartyIDOrder-OriginationFirm	N	7	333	Fixed String	External Member ID. Valid characters: A-Z, 0-9, \x20
20038	PartyIDPosition-Account	N	32	340	Fixed String	'Flexible Account' information. Valid characters: \x20, \x30-\x39, \x41-\x5A
20075	PartyIDLocationID	N	2	372	Fixed String	Country code. Will be set to "XX" for non-capital letters. Valid characters: \x01-\x7E
2404	ComplianceText	N	20	374	Fixed String	This field is used to provide additional regulatory information (according to respective rules & regs, circulars and/or bilateral coordination between participant and Trading Surveillance Office). Valid characters: \x20, \x22-\x7B, \x7D, \x7E
20096	PartyIDTakeUp-TradingFirm	N	5	394	Fixed String	Take-up Member Short Name. Valid characters: A-Z, 0-9, \x20
39000	Pad1	U	1	399	Fixed String	not used
<SRQSTargetPartyTrdGrp> Cardinality: 1-30, Record counter: NoSRQSTargetPartyTrdGrps						
1009	>SideLastQty	U	8	400	Qty	not used
117	>QuoteID	U	8	408	unsigned int	not used
20612	>TargetParty-IDExecutingTrader	N	4	416	unsigned int	Owning User ID.
22601	>TargetParty-ExecutingFirm	N	5	420	Fixed String	Name of target business unit. Valid characters: A-Z, 0-9, \x20
22602	>TargetParty-ExecutingTrader	N	6	425	Fixed String	Name of target user/trader. Valid characters: A-Z, 0-9, \x20
22636	>TargetParty-EnteringTrader	N	6	431	Fixed String	Name of target user/trader. Valid characters: A-Z, 0-9, \x20
39030	>Pad3	U	3	437	Fixed String	not used

13.20 SRQS Negotiation Status Notification

This message informs about a SRQS negotiation state change.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10715 (QuoteStatusReport, MsgType = AI)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	U	2	28	unsigned int	not used
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 9 = SRQS Maintenance
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
60	TransactTime	Y	8	40	UTCTimestamp	Transaction timestamp.
168	EffectiveTime	N	8	48	UTCTimestamp	Time an SRQS STP deal is executed
28758	NegotiationID	Y	4	56	unsigned int	ID of a SRQS negotiation.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
276	QuoteCondition	Y	1	60	char	Status of the quote. Value: 8 — Description: Expired
28762	FirmNegotiationID	N	20	61	Fixed String	User defined ID of a SRQS negotiation. Valid characters: \x01-\x7E
39070	Pad7	U	7	81	Fixed String	not used

13.21 SRQS Negotiation Notification for Respondent

This message informs the targeted respondents about SRQS negotiation updates.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10713 (QuoteStatusReport, MsgType = AI)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	U	2	28	unsigned int	not used
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 9 = SRQS Maintenance
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
60	TransactTime	Y	8	40	UTCTimestamp	Transaction timestamp.
28759	QuoteRefPrice	N	8	48	PriceType	Depending upon Negotiation workflow this price can either be a reference price or an underlying price.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25149	UnderlyingDelta-Percentage	N	8	56	floatDecimal4	The effective underlying delta of a Vola-Strategy.
132	BidPx	N	8	64	PriceType	Bid price/rate.
133	OfferPx	N	8	72	PriceType	Offer price/rate.
31	LastPx	N	8	80	PriceType	Price of this fill.
151	LeavesQty	N	8	88	Qty	Open quantity of the SRQS negotiation.
32	LastQty	N	8	96	Qty	Quantity executed in this fill.
168	EffectiveTime	N	8	104	UTCTimestamp	Time an SRQS STP deal is executed
779	LastUpdateTime	N	8	112	UTCTimestamp	Creation timestamp of the strategy.
25201	TradeToQuoteRatio	N	8	120	floatDecimal4	Ratio of Trades to Quotes.
28758	NegotiationID	Y	4	128	unsigned int	ID of a SRQS negotiation.
25150	NumberOf-Respondents	N	4	132	unsigned int	Total number of Respondents in a SRQS event.
25202	TradeToQuoteRatio-Position	N	2	136	unsigned int	Ranking position of Ratio of Trades to Quotes.
537	QuoteType	Y	1	138	unsigned int	Quote Type Value: 0 — Indicative (for Continuous Auction Issuer trading model and Eurex/Xetra EnLight only) Value: 1 — Tradeable
28786	QuoteSubType	Y	1	139	unsigned int	Sub-type of QuoteType Value: 1 — Working Delta Value: 2 — Basis Trade Value: 3 — Regular LDS Negotiation Value: 4 — Negotiate the underlying outside the exchange Value: 5 — Option Volatility Strategy with fixed Underlying price and delta Value: 6 — Option Volatility Strategy - Underlying price is negotiated on exchange

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25138	QuoteInstruction	Y	1	140	unsigned int	Quoting instruction. Value: 0 = Do not re-quote; 1 = (Re-)Quote
54	Side	N	1	141	unsigned int	Side of the order. Value: 1 = Buy; 2 = Sell
2788	TradeAggregation-TransType	N	1	142	unsigned int	Trade Aggregation Identifier. Value: 0 = New
276	QuoteCondition	Y	1	143	char	Status of the quote. Value: A = Active; B = Closed
22001	PartyExecutingFirm	N	5	144	Fixed String	Owning business unit name. Valid characters: A-Z, 0-9, \x20
22012	PartyExecutingTrader	N	6	149	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20
22036	PartyEnteringTrader	N	6	155	Fixed String	The entering user Valid characters: A-Z, 0-9, \x20
22601	TargetPartyExecuting-Firm	N	5	161	Fixed String	Name of target business unit. Valid characters: A-Z, 0-9, \x20
22602	TargetPartyExecuting-Trader	N	6	166	Fixed String	Name of target user/trader. Valid characters: A-Z, 0-9, \x20
28762	FirmNegotiationID	N	20	172	Fixed String	User defined ID of a SRQS negotiation. Valid characters: \x01-\x7E
25172	FreeText5	N	132	192	Fixed String	Text field Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
22011	PartyOrder-OriginationTrader	N	132	324	Fixed String	Buy-side user information. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25225	ChargeID	N	132	456	Fixed String	Charge ID of Third Party Platform. Valid characters: \x20, \x22-\x7B, \x7D, \x7E

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
39040	Pad4	U	4	588	Fixed String	not used

13.22 SRQS Status Notification

The SRQS Status Notification informs about SRQS service state changes. TradSesEvent set to either 105 (Service Resumed) or 104 (End of Service) implies that the open SRQS Negotiations are not accessible anymore and should be treated by the ETI applications as closed. The existing SRQS Quotes are not longer accessible and should be treated by ETI applications as deleted. The pending SRQS Deals cannot be accepted or rejected and should be treated by ETI applications as rejected.

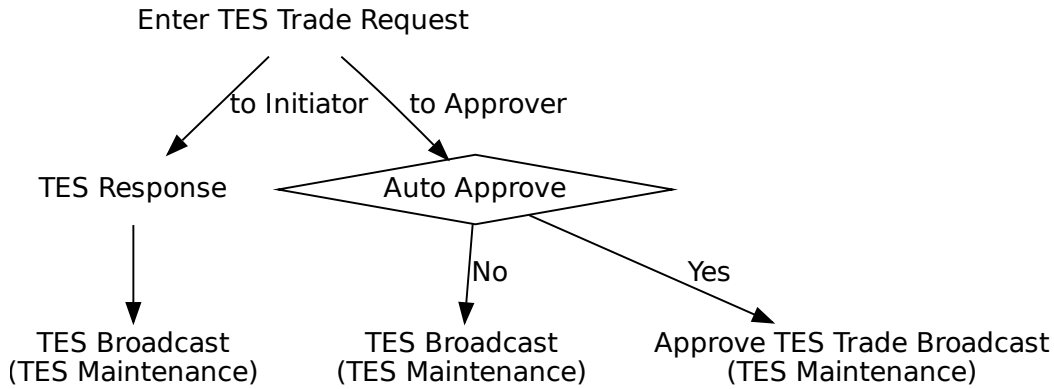
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10714 (QuoteStatusReport, MsgType = AI)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	U	2	28	unsigned int	not used
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 9 = SRQS Maintenance
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageBody>						
75	TradeDate	N	4	40	LocalMktDate	Business date.
1368	TradSesEvent	Y	1	44	unsigned int	Trading session event type. Value: 101 – Start of Service; 104 – End of Service; 105 – Service Resumed
39030	Pad3	U	3	45	Fixed String	not used

14 TES Trading

14.1 Enter TES Trade Request

This message is submitted by the Initiator and allows the entry of a TES trade. It specifies all users involved on the buy and sell side of the TES trade (approving users). The general TES trade information is visible to all approving users. After the request has successfully been accepted, the executing user will become the initiating user of the TES trade. This message is sent to the service "T7 Entry".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10600 (TradeCaptureReport, MsgType = AE)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
48	SecurityID	Y	8	24	signed int	Instrument identifier.
31	LastPx	Y	8	32	PriceType	Price of TES trade.
483	TransBkdTime	N	8	40	UTCTimestamp	Time of Commencement, the time when an Off-Book trade was concluded outside the T7 System.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
810	UnderlyingPx	N	8	48	PriceType	Underlying price associated with a derivative instrument.
2589	RelatedClosePrice	N	8	56	floatDecimal6	User defined index price. To be set for TrdType (1004) Trade at Market [mandatory].
1860	RelatedTradeQuantity	N	8	64	Qty	Quantity of the related trade. To be set for TrdType (1000) Vola Trade [mandatory].
879	UnderlyingQty	N	8	72	Qty	Nominal value of an underlying (for an EFS or EFP Index Trade in units of thousand).
1300	MarketSegmentID	Y	4	80	signed int	Product identifier.
987	UnderlyingSettlement-Date	N	4	84	LocalMktDate	Date the underlying instrument will settle. To be set for TrdType (1) Echange for Swap [optional] and (1001) EFP-Fin Trade [optional].
542	UnderlyingMaturity-Date	N	4	88	LocalMktDate	Underlying security's maturity date. To be set for TrdType (1001) EFP-Fin Trade [mandatory].
1856	RelatedTradeID	N	4	92	unsigned int	Identifier of a related trade. To be set for TrdType (1000) Vola Trade [mandatory].
2546	RelatedMarket-SegmentID	N	4	96	signed int	Identifies a related product. Set for TrdType (1000) Vola Trade [mandatory].
828	TrdType	Y	2	100	unsigned int	Type of TES trade. Value: Description 1: Block Trade 12: Exchange for Swap 1000: Vola Trade 1001: EFP-Fin Trade 1002: EFP-Index Futures Trade 1007: QTPIP BLOCK TRADE 1004: Trade at Market

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1227	ProductComplex	N	1	102	unsigned int	This field qualifies an instrument type on T7. Value: 1 Simple instrument; 2 Standard Option Strategy; 3 Non-Standard Option Strategy; 4 Volatility Strategy; 5 Futures Spread; 6 Inter-Product Spread; 7 Standard Future Strategy; 8 Pack and Bundle; 9 Strip; 10 Flexible Simple Instrument; 11 Commodity Strip; 12 Scaled Simple Instrument; 13 Non-Standard Volatility Strategy; 14 Total Return Future Strategy
856	TradeReportType	Y	1	103	unsigned int	Type of Trade Report Value: 0 Submit
1390	TradePublishIndicator	Y	1	104	unsigned int	Indicates if a trade should be reported via the market reporting service. Value: 0 Do not publish trade; 1 Publish trade
28709	NoSideAllocs	Y	1	105	Counter	Number of allocation in a T7 Entry Service trade. Number of TES trade sides in a TES trade.
864	NoEvents	Y	1	106	Counter	Number of repeating EventType entries.
555	NoLegs	Y	1	107	Counter	Number of repeating TrdInstrmntLegGrp entries (number of legs for user provided leg trade prices).
870	NoInstrAttrib	Y	1	108	Counter	Number of repeating InstrAttribType entries.
887	NoUnderlyingStips	Y	1	109	Counter	Number of underlying stipulation entries.

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>20010</td><td>PartyIDSettlement-Location</td><td>N</td><td>1</td><td>110</td><td>unsigned int</td><td>ID of settlement location.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Clearstrem Banking Frankfurt</td></tr><tr><td>2</td><td>Clearstrem Banking Luxemburg</td></tr><tr><td>3</td><td>CLS Group</td></tr><tr><td>4</td><td>Euroclear</td></tr></table></td></tr>
<tr><td>29008</td><td>HedgeType</td><td>N</td><td>1</td><td>111</td><td>unsigned int</td><td>Hedging method.
To be set for TrdType (12) Exchange for Swap [mandatory], (1001) EFP-Fin Trade [mandatory]and (1002) EFI-Index Futures Trade [mandatory].<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Duration Hedge</td></tr><tr><td>1</td><td>Nominal Hedge</td></tr><tr><td>2</td><td>Price Factor Hedge</td></tr></table></td></tr>
<tr><td>25199</td><td>SwapClearer</td><td>N</td><td>1</td><td>112</td><td>unsigned int</td><td>Swap clearer for EFS Trades only.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Eurex Clearing</td></tr><tr><td>1</td><td>Non-Eurex Clearing</td></tr></table></td></tr>
<tr><td>28583</td><td>TradeReportText</td><td>N</td><td>20</td><td>113</td><td>Fixed String</td><td>User defined TES ID.
Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E</td></tr>
<tr><td>571</td><td>TradeReportID</td><td>N</td><td>20</td><td>133</td><td>Fixed String</td><td>User defined transaction ID. Part of the TES response and TES broadcast.
Valid characters: \x01-\x7E</td></tr>
<tr><td>309</td><td>UnderlyingSecurityID</td><td>N</td><td>12</td><td>153</td><td>ISIN</td><td>Underlying security's ID (ISIN).
To be set for TrdType (1001) EFP-Fin Trade [mandatory].
Valid characters: A-Z, 0-9, \x20</td></tr>
<tr><td>307</td><td>UnderlyingSecurity-Desc</td><td>N</td><td>30</td><td>165</td><td>Fixed String</td><td>Description of the Underlying security.
To be set for TrdType (1001) EFP-Fin Trade [optional].
Valid characters: \x01-\x7E</td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
318	UnderlyingCurrency	N	3	195	CurrencyType	Underlying security's currency. To be set for TrdType (12) Exchange for Swap [optional]and (1001) EFP-Fin Trade [optional]. Valid characters: A-Z, 0-9, \x20
306	UnderlyingIssuer	N	30	198	Fixed String	The issuer or name of the underlying security. To be set for TrdType (1001) EFP-Fin Trade [optional]. Valid characters: \x01-\x7E
39040	Pad4	U	4	228	Fixed String	not used
<SideAllocGrp> Cardinality: 1-99, Record counter: NoSideAllocs						
80	>AllocQty	Y	8	232	Qty	Quantity of the particular trade side in the TES trade.
467	>IndividualAllocID	U	4	240	unsigned int	not used
25180	>TESEnrichment-RuleID	N	4	244	unsigned int	Enrichment Rule ID for TES trades (to be used only in case of Auto Approval).
54	>Side	Y	1	248	unsigned int	Side of the TES trade. Value: 1 = Buy; 2 = Sell
22001	>PartyExecutingFirm	Y	5	249	Fixed String	Approving business unit. Valid characters: A-Z, 0-9, \x20
22012	>PartyExecuting-Trader	Y	6	254	Fixed String	Approving user name. Valid characters: A-Z, 0-9, \x20
39040	>Pad4	U	4	260	Fixed String	not used
<TrdInstrmntLegGrp> Cardinality: 0-20, Record counter: NoLegs						
602	>LegSecurityID	Y	8	0	signed int	Instrument identifier of the leg security.
566	>LegPrice	Y	8	8	PriceType	User provided leg trade price (not for underlying leg).
687	>LegQty	U	8	16	Qty	not used
<InstrumentEventGrp> Cardinality: 0-2, Record counter: NoEvents						
866	>EventDate	Y	4	0	LocalMktDate	Date of event. To be set for TrdType (12) Exchange for Swap [mandatory].
865	>EventType	Y	1	4	unsigned int	Identifier for an Instrument Event. Value: 8 = Swap Start Date; 9 = Swap End Date

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
39030	>Pad3	U	3	5	Fixed String	not used
<InstrumentAttributeGrp> Cardinality: 0-6, Record counter: NoInstrAttrib						
871	>InstrAttribType	Y	1	0	unsigned int	Code to represent the type of instrument attribute. To be set for TrdType (12) Exchange for Swap[Swap, Customer_1, Swap_Customer_2 Variable_Rate, Offset_to-the_variable_coupon_rate: optional], (1001) EFP-Fin Trade [Coupon_Rate: optional]and (1002) EFP-Index Futures Trade[Cash_Basket_Reference: mandatory]. Value: 5 = Variable rate; 100 = Coupon rate; 101 = Offset to the variable coupon rate; 102 = Swap Customer 1; 103 = Swap Customer 2; 104 = Cash Basket Reference
872	>InstrAttribValue	Y	32	1	Fixed String	Attribute value appropriate to the InstrAttribType field. To be set for TrdTyp (12) Exchange for Swap [optional], (1001) EFP-Fin Trade [optional] and (1002) EFP-Index Futures Trade [mandatory]. Valid characters: \x01-\x7E
39070	>Pad7	U	7	33	Fixed String	not used
<UnderlyingStipGrp> Cardinality: 0-1, Record counter: NoUnderlyingStips						
889	>UnderlyingStipValue	Y	32	0	Fixed String	Value of stipulation. In case of coupon frequency , fill the field with coupon frequency value. To be set for TrdType (12) Exchange for Swap [optional] and (1001) EFP-Fin Trade [optional]. Valid characters: \x01-\x7E

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>888</td><td>>UnderlyingStipType</td><td>Y</td><td>7</td><td>32</td><td>Fixed String</td><td>Type of stipulation. e.g. to denote coupon frequency.
Pay_Frequency to be set for TrdType (12) Exchange for Swap [optional] and (1001) EFP-Fin Trade [optional].
<table><tr><th>Value</th><th>Description</th></tr><tr><td>PAYFREQ</td><td>Pay_Frequency</td></tr></table></td></tr>
<tr><td>39000</td><td>>Pad1</td><td>U</td><td>1</td><td>39</td><td>Fixed String</td><td>not used</td></tr>
</table>

14.2 TES Response

This message confirms Enter TES Trade, Modify TES Trade, Delete TES Trade, Approve TES Trade, and Upload TES Trade requests.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10611 (TradeCaptureReportAck, MsgType = AR)
39020	Pad2	U	2	6	Fixed String	not used
<ResponseHeader>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Outgoing timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
39040	Pad4	U	4	28	Fixed String	not used
<MessageBody>						
30017	TESExecID	Y	4	32	unsigned int	System transaction identifier for a T7 Entry Service transaction.
571	TradeReportID	N	20	36	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E

14.3 TES Broadcast

This message informs about entered, modified or uploaded TES Trades.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10604 (TradeCaptureReport, MsgType = AE)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	Y	2	28	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 7 = TES Maintenance
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
48	SecurityID	Y	8	40	signed int	Instrument identifier.
31	LastPx	Y	8	48	PriceType	Price of TES trade.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
60	TransactTime	Y	8	56	UTCTimestamp	Transaction timestamp.
810	UnderlyingPx	N	8	64	PriceType	Underlying price associated with a derivative instrument.
483	TransBkdTime	N	8	72	UTCTimestamp	Time of Commencement, the time when an Off-Book trade was concluded outside the T7 System.
2589	RelatedClosePrice	N	8	80	floatDecimal6	User defined index price. To be set for TrdType (1004) Trade at Market [mandatory].
1860	RelatedTradeQuantity	N	8	88	Qty	Quantity of the related trade. To be set for TrdType (1000) Vola Trade [mandatory].
879	UnderlyingQty	N	8	96	Qty	Nominal value of an underlying (for an EFS or EFP Index Trade in units of thousand).
1300	MarketSegmentID	Y	4	104	signed int	Product identifier.
2489	PackageID	Y	4	108	unsigned int	Identifier for a T7 Entry Service trade i.e. TES trade ID.
30017	TESExecID	Y	4	112	unsigned int	System transaction identifier for a T7 Entry Service transaction.
987	UnderlyingSettlement-Date	N	4	116	LocalMktDate	Date the underlying instrument will settle. To be set for TrdType (1) Echange for Swap [optional] and (1001) EFP-Fin Trade [optional].
542	UnderlyingMaturity-Date	N	4	120	LocalMktDate	Underlying security's maturity date. To be set for TrdType (1001) EFP-Fin Trade [mandatory].
1856	RelatedTradeID	N	4	124	unsigned int	Identifier of a related trade. To be set for TrdType (1000) Vola Trade [mandatory].
2546	RelatedMarket-SegmentID	N	4	128	signed int	Identifies a related product. Set for TrdType (1000) Vola Trade [mandatory].
25181	AutoApprovalRuleID	N	4	132	unsigned int	Auto Approval rule id - only in case of erroneous Auto Approval processing

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>828</td><td>TrdType</td><td>Y</td><td>2</td><td>136</td><td>unsigned int</td><td>Type of TES trade.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Block Trade</td></tr><tr><td>12</td><td>Exchange for Swap</td></tr><tr><td>1000</td><td>Vola Trade</td></tr><tr><td>1001</td><td>EFP-Fin Trade</td></tr><tr><td>1002</td><td>EFP-Index Futures Trade</td></tr><tr><td>1007</td><td>QTPIP BLOCK TRADE</td></tr><tr><td>1004</td><td>Trade at Market</td></tr></table></td></tr>
<tr><td>30354</td><td>VarTextLen</td><td>N</td><td>2</td><td>138</td><td>Counter</td><td>Number of used bytes for field VarText (30355).</td></tr>
<tr><td>856</td><td>TradeReportType</td><td>Y</td><td>1</td><td>140</td><td>unsigned int</td><td>Type of Trade Report<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Submit</td></tr><tr><td>2</td><td>Accept</td></tr><tr><td>5</td><td>No/Was (Replaced)</td></tr><tr><td>11</td><td>Alleged New</td></tr><tr><td>13</td><td>Alleged No/Was</td></tr></table></td></tr>
<tr><td>939</td><td>TrdRptStatus</td><td>N</td><td>1</td><td>141</td><td>unsigned int</td><td>Overall status of the TES trade, for Initiator only<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Accepted</td></tr><tr><td>4</td><td>Pending new</td></tr><tr><td>9</td><td>Deemed verified</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1227	ProductComplex	N	1	142	unsigned int	This field qualifies an instrument type on T7. Value: 1 Simple instrument; 2 Standard Option Strategy; 3 Non-Standard Option Strategy; 4 Volatility Strategy; 5 Futures Spread; 6 Inter-Product Spread; 7 Standard Future Strategy; 8 Pack and Bundle; 9 Strip; 10 Flexible Simple Instrument; 11 Commodity Strip; 12 Scaled Simple Instrument; 13 Non-Standard Volatility Strategy; 14 Total Return Future Strategy
1390	TradePublishIndicator	Y	1	143	unsigned int	Indicates if a trade should be reported via the market reporting service. Value: 0 Do not publish trade; 1 Publish trade
864	NoEvents	Y	1	144	Counter	Number of repeating EventType entries.
870	NoInstrAttrib	Y	1	145	Counter	Number of repeating InstrAttribType entries.
887	NoUnderlyingStips	Y	1	146	Counter	Number of underlying stipulation entries.
28709	NoSideAllocs	Y	1	147	Counter	Number of allocation in a T7 Entry Service trade. Number of TES trade sides in a TES trade.
555	NoLegs	Y	1	148	Counter	Number of repeating TrdInstrmntLegGrp entries (number of legs for user provided leg trade prices).
31555	NoLegClearingPrices	Y	1	149	Counter	Number of ClearingPriceLeg repeating group instances.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
20010	PartyIDSettlement-Location	N	1	150	unsigned int	ID of settlement location. Value: 1 = Clearstrem Banking Frankfurt; 2 = Clearstrem Banking Luxemburg; 3 = CLS Group; 4 = Euroclear
29008	HedgeType	N	1	151	unsigned int	Hedging method. To be set for TrdType (12) Exchange for Swap [mandatory], (1001) EFP-Fin Trade [mandatory]and (1002) EFI-Index Futures Trade [mandatory]. Value: 0 = Duration Hedge; 1 = Nominal Hedge; 2 = Price Factor Hedge
25199	SwapClearer	N	1	152	unsigned int	Swap clearer for EFS Trades only. Value: 0 = Eurex Clearing; 1 = Non-Eurex Clearing
1011	MessageEventSource	Y	1	153	char	Receiver of a message. Value: I = Broadcast to initiator; A = Broadcast to approver
28583	TradeReportText	N	20	154	Fixed String	User defined TES ID. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
571	TradeReportID	N	20	174	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E
22401	RootPartyExecuting-Firm	Y	5	194	Fixed String	Participant Short Name. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
22412	RootPartyExecuting-Trader	Y	6	199	Fixed String	Owning User Short Name. Valid characters: \x20, \x22-\x7B, \x7D, \x7E

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
309	UnderlyingSecurityID	N	12	205	ISIN	Underlying security's ID (ISIN). To be set for TrdType (1001) EFP-Fin Trade [mandatory]. Valid characters: A-Z, 0-9, \x20
307	UnderlyingSecurity-Desc	N	30	217	Fixed String	Description of the Underlying security. To be set for TrdType (1001) EFP-Fin Trade [optional]. Valid characters: \x01-\x7E
318	UnderlyingCurrency	N	3	247	CurrencyType	Underlying security's currency. To be set for TrdType (12) Exchange for Swap [optional]and (1001) EFP-Fin Trade [optional]. Valid characters: A-Z, 0-9, \x20
306	UnderlyingIssuer	N	30	250	Fixed String	The issuer or name of the underlying security. To be set for TrdType (1001) EFP-Fin Trade [optional]. Valid characters: \x01-\x7E
<SideAllocGrpBC> Cardinality: 1-99, Record counter: NoSideAllocs						
80	>AllocQty	Y	8	280	Qty	Quantity of the particular trade side in the TES trade.
25198	>ReversalApproval-Time	U	8	288	UTCTimestamp	not used
467	>IndividualAllocID	Y	4	296	unsigned int	Unique identifier for a TES trade side.
25180	>TESEnrichment-RuleID	N	4	300	unsigned int	Enrichment Rule ID for TES trades (to be used only in case of Auto Approval).
22001	>PartyExecutingFirm	Y	5	304	Fixed String	Approving business unit. Valid characters: A-Z, 0-9, \x20
22012	>PartyExecuting-Trader	Y	6	309	Fixed String	Approving user name. Valid characters: A-Z, 0-9, \x20
54	>Side	Y	1	315	unsigned int	Side of the TES trade. Value: 1 = Buy; 2 = Sell

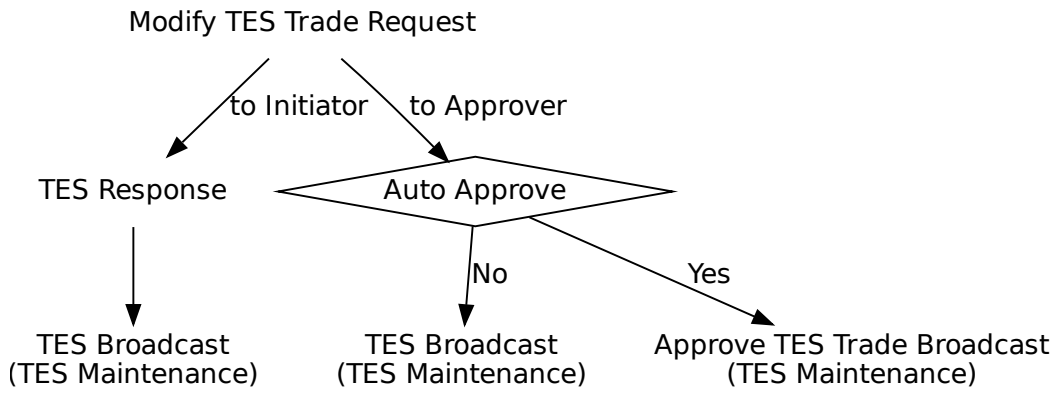
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1840	>TradeAllocStatus	Y	1	316	unsigned int	Status of an allocation in a T7 Entry Service trade. Value: 1 Pending; 2 Approved; 3 Auto Approved; 4 Uploaded; 5 Canceled; 7 Pending Reversal; 8 Side Approved Reversal; 9 Reversed; 10 Cancelled Reversal
39030	>Pad3	U	3	317	Fixed String	not used
<TrdInstrmntLegGrp> Cardinality: 0-20, Record counter: NoLegs						
602	>LegSecurityID	Y	8	0	signed int	Instrument identifier of the leg security.
566	>LegPrice	Y	8	8	PriceType	User provided leg trade price (not for underlying leg).
687	>LegQty	N	8	16	Qty	Quantity for leg of a multileg
<InstrumentEventGrp> Cardinality: 0-2, Record counter: NoEvents						
866	>EventDate	Y	4	0	LocalMktDate	Date of event. To be set for TrdType (12) Exchange for Swap [mandatory].
865	>EventType	Y	1	4	unsigned int	Identifier for an Instrument Event. Value: 8 Swap Start Date; 9 Swap End Date
39030	>Pad3	U	3	5	Fixed String	not used
<TrdClearingPriceLegGrp> Cardinality: 0-20, Record counter: NoLegClearingPrices						
602	>LegSecurityID	Y	8	0	signed int	Instrument identifier of the leg security.
31596	>LegClearingTrade-Price	Y	8	8	PriceType	
<InstrumentAttributeGrp> Cardinality: 0-6, Record counter: NoInstrAttrib						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
871	>InstrAttribType	Y	1	0	unsigned int	Code to represent the type of instrument attribute. To be set for TrdType (12) Exchange for Swap[Swap, Customer_1, Swap_Customer_2 Variable_Rate, Offset_to-the_variable_coupon_rate: optional], (1001) EFP-Fin Trade [Coupon_Rate: optional]and (1002) EFP-Index Futures Trade[Cash_Basket_Reference: mandatory]. Value: 5 = Variable rate; 100 = Coupon rate; 101 = Offset to the variable coupon rate; 102 = Swap Customer 1; 103 = Swap Customer 2; 104 = Cash Basket Reference
872	>InstrAttribValue	Y	32	1	Fixed String	Attribute value appropriate to the InstrAttribType field. To be set for TrdTyp (12) Exchange for Swap [optional], (1001) EFP-Fin Trade [optional] and (1002) EFP-Index Futures Trade [mandatory]. Valid characters: \x01-\x7E
39070	>Pad7	U	7	33	Fixed String	not used
<UnderlyingStipGrp> Cardinality: 0-1, Record counter: NoUnderlyingStips						
889	>UnderlyingStipValue	Y	32	0	Fixed String	Value of stipulation. In case of coupon frequency , fill the field with coupon frequency value. To be set for TrdType (12) Exchange for Swap [optional] and (1001) EFP-Fin Trade [optional]. Valid characters: \x01-\x7E

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
888	>UnderlyingStipType	Y	7	32	Fixed String	Type of stipulation. e.g. to denote coupon frequency. Pay_Frequency to be set for TrdType (12) Exchange for Swap [optional] and (1001) EFP-Fin Trade [optional]. Value: PAYFREQ — Description: Pay_Frequency
39000	>Pad1	U	1	39	Fixed String	not used
30355	VarText	N	2000	0	Variable String	Reason for erroneous Auto Approval processing Valid characters: \x09, \x0A, \x0D, \x20-\x7B, \x7D, \x7E

14.4 Modify TES Trade Request

This message allows the modification of a pending TES trade by its initiating user. As long as the TES trade is not approved by all of its approving users, the modification of the general TES trade information except instrument Id and external references is supported. This also includes the approving users and the number of the approving users involved on the TES trade sides. This message is sent to the service "T7 Entry".



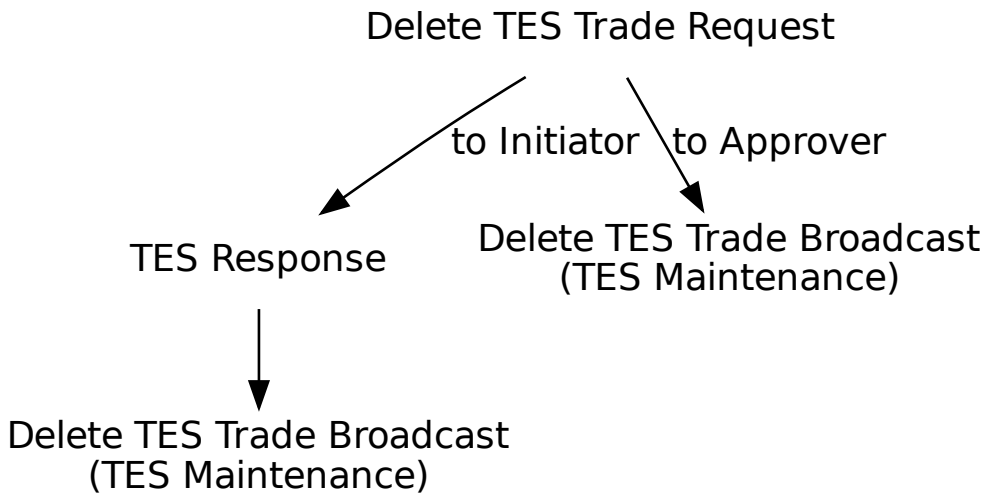
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10601 (TradeCaptureReport, MsgType = AE)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
31	LastPx	Y	8	24	PriceType	Price of TES trade.
483	TransBkdTime	N	8	32	UTCTimestamp	Time of Commencement, the time when an Off-Book trade was concluded outside the T7 System.
2589	RelatedClosePrice	N	8	40	floatDecimal6	User defined index price. To be set for TrdType (1004) Trade at Market [mandatory].
1300	MarketSegmentID	Y	4	48	signed int	Product identifier.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
2489	PackageID	Y	4	52	unsigned int	Identifier for a T7 Entry Service trade i.e. TES trade ID.
30017	TESExecID	Y	4	56	unsigned int	System transaction identifier for a T7 Entry Service transaction. The latest value available to the Initiator for the corresponding TES Trade needs to be provided.
2546	RelatedMarket-SegmentID	N	4	60	signed int	Identifies a related product. Set for TrdType (1000) Vola Trade [mandatory].
828	TrdType	Y	2	64	unsigned int	Type of TES trade. Value: Description 1: Block Trade 12: Exchange for Swap 1000: Vola Trade 1001: EFP-Fin Trade 1002: EFP-Index Futures Trade 1007: QTPIP BLOCK TRADE 1004: Trade at Market
856	TradeReportType	Y	1	66	unsigned int	Type of Trade Report Value: Description 5: No/Was (Replaced)
1390	TradePublishIndicator	Y	1	67	unsigned int	Indicates if a trade should be reported via the market reporting service. Value: Description 0: Do not publish trade 1: Publish trade
28709	NoSideAllocs	Y	1	68	Counter	Number of allocation in a T7 Entry Service trade. Number of TES trade sides in a TES trade.
555	NoLegs	Y	1	69	Counter	Number of repeating TrdInstrmntLeg-Grp entries (number of legs for user provided leg trade prices).
25199	SwapClearer	N	1	70	unsigned int	Swap clearer for EFS Trades only. Value: Description 0: Eurex Clearing 1: Non-Eurex Clearing

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
28583	TradeReportText	N	20	71	Fixed String	User defined TES ID. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
571	TradeReportID	N	20	91	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E
39000	Pad1	U	1	111	Fixed String	not used
<SideAllocGrp> Cardinality: 1-99, Record counter: NoSideAllocs						
80	>AllocQty	Y	8	112	Qty	Quantity of the particular trade side in the TES trade.
467	>IndividualAllocID	N	4	120	unsigned int	Unique identifier for a TES trade side.
25180	>TESEnrichment-RuleID	N	4	124	unsigned int	Enrichment Rule ID for TES trades (to be used only in case of Auto Approval).
54	>Side	Y	1	128	unsigned int	Side of the TES trade. Value: 1 = Buy; 2 = Sell
22001	>PartyExecutingFirm	Y	5	129	Fixed String	Approving business unit. Valid characters: A-Z, 0-9, \x20
22012	>PartyExecuting-Trader	Y	6	134	Fixed String	Approving user name. Valid characters: A-Z, 0-9, \x20
39040	>Pad4	U	4	140	Fixed String	not used
<TrdInstrmntLegGrp> Cardinality: 0-20, Record counter: NoLegs						
602	>LegSecurityID	Y	8	0	signed int	Instrument identifier of the leg security.
566	>LegPrice	Y	8	8	PriceType	User provided leg trade price (not for underlying leg).
687	>LegQty	U	8	16	Qty	not used

14.5 Delete TES Trade Request

This message allows the deletion of a pending TES trade by its initiating user. This message is sent to the service "T7 Entry".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10602 (TradeCaptureReport, MsgType = AE)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
2489	PackageID	Y	4	24	unsigned int	Identifier for a T7 Entry Service trade i.e. TES trade ID.
1300	MarketSegmentID	Y	4	28	signed int	Product identifier.

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>30017</td><td>TESExecID</td><td>Y</td><td>4</td><td>32</td><td>unsigned int</td><td>System transaction identifier for a T7 Entry Service transaction. The latest value available to the Initiator for the corresponding TES Trade needs to be provided.</td></tr>
<tr><td>2546</td><td>RelatedMarket-SegmentID</td><td>N</td><td>4</td><td>36</td><td>signed int</td><td>Identifies a related product.
Set for TrdType (1000) Vola Trade [mandatory].</td></tr>
<tr><td>828</td><td>TrdType</td><td>Y</td><td>2</td><td>40</td><td>unsigned int</td><td>Type of TES trade.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Block Trade</td></tr><tr><td>12</td><td>Exchange for Swap</td></tr><tr><td>1000</td><td>Vola Trade</td></tr><tr><td>1001</td><td>EFP-Fin Trade</td></tr><tr><td>1002</td><td>EFP-Index Futures Trade</td></tr><tr><td>1007</td><td>QTPIP BLOCK TRADE</td></tr><tr><td>1004</td><td>Trade at Market</td></tr></table></td></tr>
<tr><td>856</td><td>TradeReportType</td><td>Y</td><td>1</td><td>42</td><td>unsigned int</td><td>Type of Trade Report<table><tr><th>Value</th><th>Description</th></tr><tr><td>6</td><td>Trade Report Cancel</td></tr></table></td></tr>
<tr><td>571</td><td>TradeReportID</td><td>N</td><td>20</td><td>43</td><td>Fixed String</td><td>User defined transaction ID. Part of the TES response and TES broadcast.
Valid characters: \x01-\x7E</td></tr>
<tr><td>39000</td><td>Pad1</td><td>U</td><td>1</td><td>63</td><td>Fixed String</td><td>not used</td></tr>
</table>

14.6 Delete TES Trade Broadcast

This message informs initiator and approvers about TES Trade deletions.

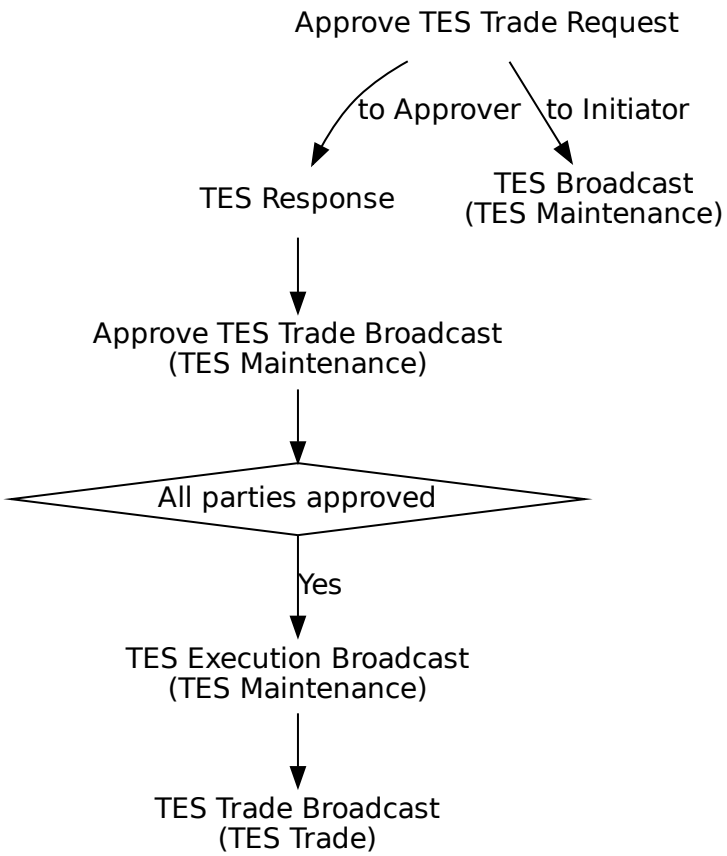
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10606 (TradeCaptureReport, MsgType = AE)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	Y	2	28	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 7 = TES Maintenance
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
60	TransactTime	Y	8	40	UTCTimestamp	Transaction timestamp.
1300	MarketSegmentID	Y	4	48	signed int	Product identifier.

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>2489</td><td>PackageID</td><td>Y</td><td>4</td><td>52</td><td>unsigned int</td><td>Identifier for a T7 Entry Service trade i.e. TES trade ID.</td></tr>
<tr><td>30017</td><td>TESExecID</td><td>Y</td><td>4</td><td>56</td><td>unsigned int</td><td>System transaction identifier for a T7 Entry Service transaction.</td></tr>
<tr><td>828</td><td>TrdType</td><td>Y</td><td>2</td><td>60</td><td>unsigned int</td><td>Type of TES trade.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Block Trade</td></tr><tr><td>12</td><td>Exchange for Swap</td></tr><tr><td>1000</td><td>Vola Trade</td></tr><tr><td>1001</td><td>EFP-Fin Trade</td></tr><tr><td>1002</td><td>EFP-Index Futures Trade</td></tr><tr><td>1007</td><td>QTPIP BLOCK TRADE</td></tr><tr><td>1004</td><td>Trade at Market</td></tr></table></td></tr>
<tr><td>285</td><td>DeleteReason</td><td>Y</td><td>1</td><td>62</td><td>unsigned int</td><td>Reason for deletion.<table><tr><th>Value</th><th>Description</th></tr><tr><td>100</td><td>Deletion via the TES Delete Request</td></tr><tr><td>101</td><td>Automatic deletion due to TES Activity State Change</td></tr><tr><td>102</td><td>Automatic deletion due to instrument expiration</td></tr><tr><td>103</td><td>Deletion caused by Clearing/Risk stop</td></tr><tr><td>104</td><td>Deletion caused by Trading stop</td></tr><tr><td>105</td><td>Deletion of Instrument</td></tr><tr><td>106</td><td>Suspension of Instrument</td></tr><tr><td>107</td><td>Deletion caused by a pre-trade risk event</td></tr></table></td></tr>
<tr><td>856</td><td>TradeReportType</td><td>Y</td><td>1</td><td>63</td><td>unsigned int</td><td>Type of Trade Report<table><tr><th>Value</th><th>Description</th></tr><tr><td>6</td><td>Trade Report Cancel</td></tr></table></td></tr>
<tr><td>939</td><td>TrdRptStatus</td><td>N</td><td>1</td><td>64</td><td>unsigned int</td><td>Overall status of the TES trade, for Initiator only<table><tr><th>Value</th><th>Description</th></tr><tr><td>2</td><td>Cancelled</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1011	MessageEventSource	Y	1	65	char	Receiver of a message. Value: Description I: Broadcast to initiator A: Broadcast to approver
571	TradeReportID	N	20	66	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E
39020	Pad2	U	2	86	Fixed String	not used

14.7 Approve TES Trade Request

This message allows the approval of a pending TES trade side by its approving user. All TES trade side specific information (e.g. trading capacity, open/close indicator, text fields) needs to be specified in this request. A TES trade also needs to be approved by the initiating user if the initiating user is identical to an approving user, i.e. if the user who was initiating the TES trade is also involved on any side of the same TES trade. This message is sent to the service "T7 Entry".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10603 (TradeCaptureReport, MsgType = AE)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
20003	PartyIDClientID	N	8	24	unsigned int	MiFID field: Client Identifier field (ESMA Field 3 (Section A))used to identify the client of an order for agent account of the member or participant of the trading venue. If the Client Identifier field is not provided for agent orders, then they will be rejected. For orders sent with Trading Capacity Proprietary or Market Making, the Client Identifier field may remain empty.
20122	PartyIdInvestment-DecisionMaker	N	8	32	unsigned int	MiFID field: Investment decision within firm (ESMA Field 4 (Section A)) is the code used to identify the person or the algorithm within the member or participant of the Trading Venue who is responsible for the investment decision.
25123	ExecutingTrader	N	8	40	unsigned int	MiFID field: Executing Trader data Field(ESMA Field 5 (Section A))used to identify the person or algorithm within the member or participant of the trading venue who is responsible for the execution of the transaction resulting from the order.
80	AllocQty	Y	8	48	Qty	Quantity of the particular trade side in the TES trade.
2489	PackageID	Y	4	56	unsigned int	Identifier for a T7 Entry Service trade i.e. TES trade ID.
70	AllocID	Y	4	60	unsigned int	Unique identifier for a TES Trade side.
30017	TESExecID	Y	4	64	unsigned int	System transaction identifier for a T7 Entry Service transaction. The latest value available to the Approver for the corresponding TES Trade side needs to be provided.
1300	MarketSegmentID	Y	4	68	signed int	Product identifier.

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>2546</td><td>RelatedMarket-SegmentID</td><td>N</td><td>4</td><td>72</td><td>signed int</td><td>Identifies a related product.
Set for TrdType (1000) Vola Trade [mandatory].</td></tr>
<tr><td>828</td><td>TrdType</td><td>Y</td><td>2</td><td>76</td><td>unsigned int</td><td>Type of TES trade.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Block Trade</td></tr><tr><td>12</td><td>Exchange for Swap</td></tr><tr><td>1000</td><td>Vola Trade</td></tr><tr><td>1001</td><td>EFP-Fin Trade</td></tr><tr><td>1002</td><td>EFP-Index Futures Trade</td></tr><tr><td>1007</td><td>QTPIP BLOCK TRADE</td></tr><tr><td>1004</td><td>Trade at Market</td></tr></table></td></tr>
<tr><td>1815</td><td>TradingCapacity</td><td>Y</td><td>1</td><td>78</td><td>unsigned int</td><td>This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Customer (Agency)</td></tr><tr><td>5</td><td>Principal (Proprietary)</td></tr><tr><td>6</td><td>Market Maker</td></tr></table></td></tr>
<tr><td>856</td><td>TradeReportType</td><td>Y</td><td>1</td><td>79</td><td>unsigned int</td><td>Type of Trade Report<table><tr><td>Value</td><td>Description</td></tr><tr><td>2</td><td>Accept</td></tr></table></td></tr>
<tr><td>54</td><td>Side</td><td>Y</td><td>1</td><td>80</td><td>unsigned int</td><td>Side of the TES trade.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Buy</td></tr><tr><td>2</td><td>Sell</td></tr></table></td></tr>
<tr><td>23002</td><td>OrderAttribute-LiquidityProvision</td><td>Y</td><td>1</td><td>81</td><td>unsigned int</td><td>MiFID field: Indication as to whether an order is submitted to a Trading Venue as part of a market making strategy.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Liquidity provision</td></tr><tr><td>0</td><td>No liquidity provision</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
21222	PartyIdInvestment-DecisionMaker-Qualifier	N	1	82	unsigned int	MiFID field: Qualifier for field PartyIdInvestmentDecisionMaker. Members/participants will have the possibility to specify an Investment qualifier value to distinguish between natural persons and Algos. Value: 22 = Algo; 24 = Human/Natural person
25124	ExecutingTrader-Qualifier	N	1	83	unsigned int	MiFID field: Qualifier for field ExecutingTrader. It is required to distinguish between natural persons and Algos. Value: 22 = Algo; 24 = Human/Natural person
23003	OrderAttributeRisk-Reduction	N	1	84	unsigned int	MiFID field: Indication as to whether the transaction reduces risk in an objectively measurable way in accordance with Article 57 of Directive 2014/EU. The field is only applicable for commodity derivative transactions. Value: 1 = Risk reduction; 0 = No risk reduction
1724	OrderOrigination	N	1	85	unsigned int	MiFID field: Field to indicate order received from a direct access or sponsored access customer Value: 5 = Order received from a direct access customer; 105 = Order received from a sponsored access customer
571	TradeReportID	N	20	86	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
77	PositionEffect	Y	1	106	char	Field is used for T7 position management purposes and indicates whether the order is submitted to open or close a position. Value: C = Close; O = Open
22001	PartyExecutingFirm	Y	5	107	Fixed String	Approving business unit. Valid characters: A-Z, 0-9, \x20
22012	PartyExecutingTrader	Y	6	112	Fixed String	Approving user name. Valid characters: A-Z, 0-9, \x20
1	Account	N	2	118	Fixed String	Accounts to book trades and keep positions on. Valid characters: 1-9, \x41, \x47, \x49, \x4D, \x50, \x52
25007	FreeText1	N	12	120	Fixed String	First free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25008	FreeText2	N	12	132	Fixed String	Second free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25009	FreeText3	N	12	144	Fixed String	Third free-format text field for trader-specific or customer-related comments. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
20096	PartyIDTakeUp-TradingFirm	N	5	156	Fixed String	Take-up Member Short Name. Valid characters: A-Z, 0-9, \x20
20038	PartyIDPosition-Account	N	32	161	Fixed String	'Flexible Account' information. Valid characters: \x20, \x30-\x39, \x41-\x5A
20013	PartyIDOrder-OriginationFirm	N	7	193	Fixed String	External Member ID. Valid characters: A-Z, 0-9, \x20
20032	PartyIDBeneficiary	N	9	200	Fixed String	Final Beneficiary. Valid characters: A-Z, 0-9, \x20

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>20075</td><td>PartyIDLocationID</td><td>N</td><td>2</td><td>209</td><td>Fixed String</td><td>Country code. Will be set to "XX" for non-capital letters.
Valid characters: \x01-\x7E</td></tr>
<tr><td>1031</td><td>CustOrderHandling-Inst</td><td>N</td><td>1</td><td>211</td><td>Fixed String</td><td>Identifies the source of an order, in accordance with the FIA guidelines for a rate Identifier.The field is for participant use only.
<table>
<tr><td>Value</td><td>Description</td></tr>
<tr><td>W</td><td>Desk</td></tr>
<tr><td>Y</td><td>Electronic</td></tr>
<tr><td>C</td><td>Vendor-provided Platform billed by Executing Broker</td></tr>
<tr><td>G</td><td>Sponsored Access via Exchange API or FIX provided by Executing Broker</td></tr>
<tr><td>H</td><td>Premium Algorithmic Trading Provider billed by Executing Broker</td></tr>
<tr><td>D</td><td>Other, including Other-provided Screen</td></tr>
<tr><td>*</td><td>More values</td></tr>
</table></td></tr>
<tr><td>2404</td><td>ComplianceText</td><td>N</td><td>20</td><td>212</td><td>Fixed String</td><td>This field is used to provide additional regulatory information (according to respective rules & regs, circulars and/or bilateral coordination between participant and Trading Surveillance Office).
Valid characters: \x20, \x22-\x7B, \x7D, \x7E</td></tr>
<tr><td>25241</td><td>PartyEndClient-Identification</td><td>N</td><td>20</td><td>232</td><td>Fixed String</td><td>End client identifier.
Valid characters: A-Z, 0-9, \x20, \x5F</td></tr>
<tr><td>39040</td><td>Pad4</td><td>U</td><td>4</td><td>252</td><td>Fixed String</td><td>not used</td></tr>
</table>

14.8 Approve TES Trade Broadcast

This message informs about approved TES Trades.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10607 (TradeCaptureReport, MsgType = AE)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	Y	2	28	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 7 = TES Maintenance
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
48	SecurityID	Y	8	40	signed int	Instrument identifier.
31	LastPx	Y	8	48	PriceType	Price of TES trade.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
80	AllocQty	Y	8	56	Qty	Quantity of the particular trade side in the TES trade.
60	TransactTime	Y	8	64	UTCTimestamp	Transaction timestamp.
810	UnderlyingPx	N	8	72	PriceType	Underlying price associated with a derivative instrument.
483	TransBkdTime	N	8	80	UTCTimestamp	Time of Commencement, the time when an Off-Book trade was concluded outside the T7 System.
2589	RelatedClosePrice	N	8	88	floatDecimal6	User defined index price. To be set for TrdType (1004) Trade at Market [mandatory].
1860	RelatedTradeQuantity	N	8	96	Qty	Quantity of the related trade. To be set for TrdType (1000) Vola Trade [mandatory].
879	UnderlyingQty	N	8	104	Qty	Nominal value of an underlying (for an EFS or EFP Index Trade in units of thousand).
1300	MarketSegmentID	Y	4	112	signed int	Product identifier.
2489	PackageID	Y	4	116	unsigned int	Identifier for a T7 Entry Service trade i.e. TES trade ID.
30017	TESExecID	Y	4	120	unsigned int	System transaction identifier for a T7 Entry Service transaction.
70	AllocID	Y	4	124	unsigned int	Unique identifier for a TES Trade side.
987	UnderlyingSettlement-Date	N	4	128	LocalMktDate	Date the underlying instrument will settle. To be set for TrdType (1) Echange for Swap [optional] and (1001) EFP-Fin Trade [optional].
542	UnderlyingMaturity-Date	N	4	132	LocalMktDate	Underlying security's maturity date. To be set for TrdType (1001) EFP-Fin Trade [mandatory].
1856	RelatedTradeID	N	4	136	unsigned int	Identifier of a related trade. To be set for TrdType (1000) Vola Trade [mandatory].
2546	RelatedMarket-SegmentID	N	4	140	signed int	Identifies a related product. Set for TrdType (1000) Vola Trade [mandatory].
28758	NegotiationID	N	4	144	unsigned int	ID of a SRQS negotiation.
25180	TESEnrichmentRule-ID	N	4	148	unsigned int	Enrichment Rule ID for TES trades (to be used only in case of Auto Approval).
25181	AutoApprovalRuleID	N	4	152	unsigned int	Auto Approval Rule ID applied for TES trade approval

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>828</td><td>TrdType</td><td>Y</td><td>2</td><td>156</td><td>unsigned int</td><td>Type of TES trade.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Block Trade</td></tr><tr><td>12</td><td>Exchange for Swap</td></tr><tr><td>1000</td><td>Vola Trade</td></tr><tr><td>1001</td><td>EFP-Fin Trade</td></tr><tr><td>1002</td><td>EFP-Index Futures Trade</td></tr><tr><td>1007</td><td>QTPIP BLOCK TRADE</td></tr><tr><td>1004</td><td>Trade at Market</td></tr></table></td></tr>
<tr><td>30354</td><td>VarTextLen</td><td>N</td><td>2</td><td>158</td><td>Counter</td><td>Number of used bytes for field VarText (30355).</td></tr>
<tr><td>54</td><td>Side</td><td>Y</td><td>1</td><td>160</td><td>unsigned int</td><td>Side of the TES trade.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Buy</td></tr><tr><td>2</td><td>Sell</td></tr></table></td></tr>
<tr><td>1390</td><td>TradePublishIndicator</td><td>Y</td><td>1</td><td>161</td><td>unsigned int</td><td>Indicates if a trade should be reported via the market reporting service.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Do not publish trade</td></tr><tr><td>1</td><td>Publish trade</td></tr></table></td></tr>
</table>

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1227</td><td>ProductComplex</td><td>N</td><td>1</td><td>162</td><td>unsigned int</td><td>This field qualifies an instrument type on T7.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Simple instrument</td></tr><tr><td>2</td><td>Standard Option Strategy</td></tr><tr><td>3</td><td>Non-Standard Option Strategy</td></tr><tr><td>4</td><td>Volatility Strategy</td></tr><tr><td>5</td><td>Futures Spread</td></tr><tr><td>6</td><td>Inter-Product Spread</td></tr><tr><td>7</td><td>Standard Future Strategy</td></tr><tr><td>8</td><td>Pack and Bundle</td></tr><tr><td>9</td><td>Strip</td></tr><tr><td>10</td><td>Flexible Simple Instrument</td></tr><tr><td>11</td><td>Commodity Strip</td></tr><tr><td>12</td><td>Scaled Simple Instrument</td></tr><tr><td>13</td><td>Non-Standard Volatility Strategy</td></tr><tr><td>14</td><td>Total Return Future Strategy</td></tr></table></td></tr>
<tr><td>856</td><td>TradeReportType</td><td>Y</td><td>1</td><td>163</td><td>unsigned int</td><td>Type of Trade Report<table><tr><th>Value</th><th>Description</th></tr><tr><td>2</td><td>Accept</td></tr></table></td></tr>
<tr><td>939</td><td>TrdRptStatus</td><td>N</td><td>1</td><td>164</td><td>unsigned int</td><td>Overall status of the TES trade, for Initiator only<table><tr><th>Value</th><th>Description</th></tr><tr><td>4</td><td>Pending new</td></tr></table></td></tr>
<tr><td>1815</td><td>TradingCapacity</td><td>Y</td><td>1</td><td>165</td><td>unsigned int</td><td>This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Customer (Agency)</td></tr><tr><td>5</td><td>Principal (Proprietary)</td></tr><tr><td>6</td><td>Market Maker</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
20010	PartyIDSettlement-Location	N	1	166	unsigned int	ID of settlement location. Value: 1 = Clearstrem Banking Frankfurt; 2 = Clearstrem Banking Luxemburg; 3 = CLS Group; 4 = Euroclear
1840	TradeAllocStatus	Y	1	167	unsigned int	Status of an allocation in a T7 Entry Service trade. Value: 1 = Pending; 2 = Approved; 3 = Auto Approved; 4 = Uploaded; 5 = Canceled; 7 = Pending Reversal; 8 = Side Approved Reversal; 9 = Reversed; 10 = Cancelled Reversal
29008	HedgeType	N	1	168	unsigned int	Hedging method. To be set for TrdType (12) Exchange for Swap [mandatory], (1001) EFP-Fin Trade [mandatory]and (1002) EFI-Index Futures Trade [mandatory]. Value: 0 = Duration Hedge; 1 = Nominal Hedge; 2 = Price Factor Hedge
555	NoLegs	Y	1	169	Counter	Number of repeating TrdInstrmntLegGrp entries (number of legs for user provided leg trade prices).
864	NoEvents	Y	1	170	Counter	Number of repeating EventType entries.
870	NoInstrAttrib	Y	1	171	Counter	Number of repeating InstrAttribType entries.
887	NoUnderlyingStips	Y	1	172	Counter	Number of underlying stipulation entries.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1011	MessageEventSource	Y	1	173	char	Receiver of a message. Value: I – Broadcast to initiator; A – Broadcast to approver
571	TradeReportID	N	20	174	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E
22001	PartyExecutingFirm	Y	5	194	Fixed String	Owning business unit name. Valid characters: A-Z, 0-9, \x20
22012	PartyExecutingTrader	Y	6	199	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20
20007	PartyIDEnteringFirm	Y	1	205	unsigned int	Entering Entity ID. Value: 1 – Participant; 2 – Market Supervision
22036	PartyEnteringTrader	Y	6	206	Fixed String	The entering user Valid characters: A-Z, 0-9, \x20
77	PositionEffect	Y	1	212	char	Field is used for T7 position management purposes and indicates whether the order is submitted to open or close a position. Value: C – Close; O – Open
22401	RootPartyExecuting-Firm	N	5	213	Fixed String	Participant Short Name. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
22412	RootPartyExecuting-Trader	N	6	218	Fixed String	Owning User Short Name. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
25007	FreeText1	N	12	224	Fixed String	First free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25008	FreeText2	N	12	236	Fixed String	Second free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25009	FreeText3	N	12	248	Fixed String	Third free-format text field for trader-specific or customer-related comments. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
20096	PartyIDTakeUp-TradingFirm	N	5	260	Fixed String	Take-up Member Short Name. Valid characters: A-Z, 0-9, \x20
1	Account	N	2	265	Fixed String	Accounts to book trades and keep positions on. Valid characters: 1-9, \x41, \x47, \x49, \x4D, \x50, \x52
20038	PartyIDPosition-Account	N	32	267	Fixed String	'Flexible Account' information. Valid characters: \x20, \x30-\x39, \x41-\x5A
20013	PartyIDOrder-OriginationFirm	N	7	299	Fixed String	External Member ID. Valid characters: A-Z, 0-9, \x20
20032	PartyIDBeneficiary	N	9	306	Fixed String	Final Beneficiary. Valid characters: A-Z, 0-9, \x20
20075	PartyIDLocationID	N	2	315	Fixed String	Country code. Will be set to "XX" for non-capital letters. Valid characters: \x01-\x7E

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1031	CustOrderHandling-Inst	N	1	317	Fixed String	Identifies the source of an order, in accordance with the FIA guidelines for a rate Identifier.The field is for participant use only. Value: Description W: Desk Y: Electronic C: Vendor-provided Platform billed by Executing Broker G: Sponsored Access via Exchange API or FIX provided by Executing Broker H: Premium Algorithmic Trading Provider billed by Executing Broker D: Other, including Other-provided Screen *: More values
2404	ComplianceText	N	20	318	Fixed String	This field is used to provide additional regulatory information (according to respective rules & regs, circulars and/or bilateral coordination between participant and Trading Surveillance Office). Valid characters: \x20, \x22-\x7B, \x7D, \x7E
309	UnderlyingSecurityID	N	12	338	ISIN	Underlying security's ID (ISIN). To be set for TrdType (1001) EFP-Fin Trade [mandatory]. Valid characters: A-Z, 0-9, \x20
307	UnderlyingSecurity-Desc	N	30	350	Fixed String	Description of the Underlying security. To be set for TrdType (1001) EFP-Fin Trade [optional]. Valid characters: \x01-\x7E
318	UnderlyingCurrency	N	3	380	CurrencyType	Underlying security's currency. To be set for TrdType (12) Exchange for Swap [optional]and (1001) EFP-Fin Trade [optional]. Valid characters: A-Z, 0-9, \x20

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
306	UnderlyingIssuer	N	30	383	Fixed String	The issuer or name of the underlying security. To be set for TrdType (1001) EFP-Fin Trade [optional]. Valid characters: \x01-\x7E
39030	Pad3	U	3	413	Fixed String	not used
<TrdInstrmntLegGrp> Cardinality: 0-20, Record counter: NoLegs						
602	>LegSecurityID	Y	8	416	signed int	Instrument identifier of the leg security.
566	>LegPrice	Y	8	424	PriceType	User provided leg trade price (not for underlying leg).
687	>LegQty	U	8	432	Qty	not used
<InstrumentEventGrp> Cardinality: 0-2, Record counter: NoEvents						
866	>EventDate	Y	4	0	LocalMktDate	Date of event. To be set for TrdType (12) Exchange for Swap [mandatory].
865	>EventType	Y	1	4	unsigned int	Identifier for an Instrument Event. Value: 8 — Swap Start Date Value: 9 — Swap End Date
39030	>Pad3	U	3	5	Fixed String	not used
<InstrumentAttributeGrp> Cardinality: 0-6, Record counter: NoInstrAttrib						

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>871</td><td>>InstrAttribType</td><td>Y</td><td>1</td><td>0</td><td>unsigned int</td><td>Code to represent the type of instrument attribute.
To be set for TrdType (12) Exchange for Swap[Swap, Customer_1, Swap_Customer_2 Variable_Rate, Offset_to-the_variable_coupon_rate: optional], (1001) EFP-Fin Trade [Coupon_Rate: optional]and (1002) EFP-Index Futures Trade[Cash_Basket_Reference: mandatory].
<table><tr><th>Value</th><th>Description</th></tr><tr><td>5</td><td>Variable rate</td></tr><tr><td>100</td><td>Coupon rate</td></tr><tr><td>101</td><td>Offset to the variable coupon rate</td></tr><tr><td>102</td><td>Swap Customer 1</td></tr><tr><td>103</td><td>Swap Customer 2</td></tr><tr><td>104</td><td>Cash Basket Reference</td></tr></table></td></tr>
<tr><td>872</td><td>>InstrAttribValue</td><td>Y</td><td>32</td><td>1</td><td>Fixed String</td><td>Attribute value appropriate to the InstrAttribType field.
To be set for TrdTyp (12) Exchange for Swap [optional], (1001) EFP-Fin Trade [optional] and (1002) EFP-Index Futures Trade [mandatory].
Valid characters: \x01-\x7E</td></tr>
<tr><td>39070</td><td>>Pad7</td><td>U</td><td>7</td><td>33</td><td>Fixed String</td><td>not used</td></tr>
<tr><td colspan="7"><UnderlyingStipGrp> Cardinality: 0-1, Record counter: NoUnderlyingStips</td></tr>
<tr><td>889</td><td>>UnderlyingStipValue</td><td>Y</td><td>32</td><td>0</td><td>Fixed String</td><td>Value of stipulation. In case of coupon frequency , fill the field with coupon frequency value.
To be set for TrdType (12) Exchange for Swap [optional] and (1001) EFP-Fin Trade [optional].
Valid characters: \x01-\x7E</td></tr>
</table>

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>888</td><td>>UnderlyingStipType</td><td>Y</td><td>7</td><td>32</td><td>Fixed String</td><td>Type of stipulation. e.g. to denote coupon frequency.
Pay_Frequency to be set for TrdType (12) Exchange for Swap [optional] and (1001) EFP-Fin Trade [optional].
<table><tr><th>Value</th><th>Description</th></tr><tr><td>PAYFREQ</td><td>Pay_Frequency</td></tr></table></td></tr>
<tr><td>39000</td><td>>Pad1</td><td>U</td><td>1</td><td>39</td><td>Fixed String</td><td>not used</td></tr>
<tr><td>30355</td><td>VarText</td><td>N</td><td>2000</td><td>0</td><td>Variable String</td><td>Reason for erroneous Auto Approval processing
Valid characters: \x09, \x0A, \x0D, \x20-\x7B, \x7D, \x7E</td></tr>
</table>

14.9 TES Status Broadcast

This message informs about the TES status.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10615 (TradingSessionStatus, MsgType = h)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	Y	2	28	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 7 = TES Maintenance; 8 = TES Trade
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
75	TradeDate	N	4	40	LocalMktDate	Business date.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1368	TradSesEvent	Y	1	44	unsigned int	Trading session event type. Value: 101 – Start of Service; 104 – End of Service
39030	Pad3	U	3	45	Fixed String	not used

14.10 TES Execution Broadcast

This message indicates that all parties have approved the TES trade.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10610 (TradeCaptureReport, MsgType = AE)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	Y	2	28	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 7 = TES Maintenance
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
60	TransactTime	Y	8	40	UTCTimestamp	Transaction timestamp.
1300	MarketSegmentID	Y	4	48	signed int	Product identifier.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
2489	PackageID	Y	4	52	unsigned int	Identifier for a T7 Entry Service trade i.e. TES trade ID.
30017	TESExecID	Y	4	56	unsigned int	System transaction identifier for a T7 Entry Service transaction.
70	AllocID	Y	4	60	unsigned int	Unique identifier for a TES Trade side.
828	TrdType	Y	2	64	unsigned int	Type of TES trade. Value: Description 1: Block Trade 12: Exchange for Swap 1000: Vola Trade 1001: EFP-Fin Trade 1002: EFP-Index Futures Trade 1007: QTPIP BLOCK TRADE 1004: Trade at Market
856	TradeReportType	Y	1	66	unsigned int	Type of Trade Report Value: Description 2: Accept
54	Side	Y	1	67	unsigned int	Side of the TES trade. Value: Description 1: Buy 2: Sell
939	TrdRptStatus	N	1	68	unsigned int	Overall status of the TES trade, for Initiator only Value: Description 0: Accepted
1011	MessageEventSource	Y	1	69	char	Receiver of a message. Value: Description A: Broadcast to approver
39020	Pad2	U	2	70	Fixed String	not used

14.11 TES Trade Broadcast

This messages provides the TES Trade notification.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10614 (TradeCaptureReport, MsgType = AE)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	Y	2	28	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 8 = TES Trade
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
48	SecurityID	Y	8	40	signed int	Instrument identifier.
31	LastPx	Y	8	48	PriceType	Price of TES trade.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
32	LastQty	Y	8	56	Qty	Quantity executed in this fill.
1596	ClearingTradePrice	N	8	64	PriceType	Price in clearing notation which can be preliminary or final depending on TradeReportType (856).
28736	ClearingTradeQty	N	8	72	Qty	Quantity in clearing notation.
60	TransactTime	Y	8	80	UTCTimestamp	Transaction timestamp.
1650	RelatedSecurityID	N	8	88	signed int	Instrument identifier of the original T7 strategy.
20403	RootPartyIDClientID	N	8	96	unsigned int	MiFID field: Client Identifier field (ESMA Field 3 (Section A))used to identify the client of an order for agent account of the member or participant of the trading venue.
25123	ExecutingTrader	N	8	104	unsigned int	MiFID field: Executing Trader data Field(ESMA Field 5 (Section A))used to identify the person or algorithm within the member or participant of the trading venue who is responsible for the execution of the transaction resulting from the order.
20522	RootParty-IDInvestmentDecision-Maker	N	8	112	unsigned int	MiFID field: Investment decision within firm (ESMA Field 4 (Section A)) is the code used to identify the person or the algorithm within the member or participant of the Trading Venue who is responsible for the investment decision.
25161	BasketTrdMatchID	N	8	120	unsigned int	System defined Basket ID.
25248	OrigBasketTrdMatch-ID	N	8	128	unsigned int	System defined Original Basket ID.
28585	SideLastPx	N	8	136	PriceType	Fill price for the original T7 strategy.
1009	SideLastQty	N	8	144	Qty	Fill quantity for the original T7 strategy.
2589	RelatedClosePrice	N	8	152	floatDecimal6	User defined index price. To be set for TrdType (1004) Trade at Market [mandatory].
30017	TESExecID	N	4	160	unsigned int	System transaction identifier for a T7 Entry Service transaction.
2489	PackageID	Y	4	164	unsigned int	Identifier for a T7 Entry Service trade i.e. TES trade ID.
1300	MarketSegmentID	Y	4	168	signed int	Product identifier.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1003	TradeID	Y	4	172	unsigned int	Uniquely Identifies all TES Trade Sides executed as part of a TES Trade per simple instrument.
75	TradeDate	Y	4	176	LocalMktDate	Business date.
1506	SideTradeID	Y	4	180	unsigned int	Private trade identifier of an executed TES Trade Side per simple instrument.
20455	RootPartyIDSessionID	N	4	184	unsigned int	Session ID.
1126	OrigTradeID	N	4	188	unsigned int	In case of a trade reversal/modification this field provides the original trade identifier.
20459	RootPartyIDExecutingUnit	Y	4	192	unsigned int	Business Unit ID.
20412	RootPartyIDExecutingTrader	Y	4	196	unsigned int	Owning User ID.
25026	RootPartyIDClearingUnit	N	4	200	unsigned int	Clearing Business Unit ID.
1851	StrategyLinkID	N	4	204	unsigned int	Corresponds to the AllocID/IndividualAllocID (unique identifier for a TES Trade side).
1649	RelatedSymbol	N	4	208	signed int	Product identifier of the original T7 strategy.
748	TotNumTradeReports	N	4	212	signed int	Number of leg executions of the original strategy order.
28758	NegotiationID	N	4	216	unsigned int	ID of a SRQS negotiation.
25152	SRQSRelatedTradeID	N	4	220	unsigned int	Trade ID out of a SRQS Negotiation Event.
28899	BasketProfileID	N	4	224	unsigned int	ID of the Basket profile, applicable only for Basket of Equity Total Return Futures(TrdType(828)=1010).
762	SecuritySubType	N	4	228	signed int	Sub-type qualification/identification of the SecurityType

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>828</td><td>TrdType</td><td>N</td><td>2</td><td>232</td><td>unsigned int</td><td>Type of TES trade.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Block Trade</td></tr><tr><td>12</td><td>Exchange for Swap</td></tr><tr><td>1000</td><td>Vola Trade</td></tr><tr><td>1001</td><td>EFP-Fin Trade</td></tr><tr><td>1002</td><td>EFP-Index Futures Trade</td></tr><tr><td>1007</td><td>QTPIP BLOCK TRADE</td></tr><tr><td>1004</td><td>Trade at Market</td></tr><tr><td>1006</td><td>Eurex/Xetra Enlight triggered trade</td></tr></table></td></tr>
<tr><td>1227</td><td>ProductComplex</td><td>N</td><td>1</td><td>234</td><td>unsigned int</td><td>This field qualifies an instrument type on T7.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Simple instrument</td></tr><tr><td>10</td><td>Flexible Simple Instrument</td></tr></table></td></tr>
<tr><td>28587</td><td>RelatedProduct-Complex</td><td>N</td><td>1</td><td>235</td><td>unsigned int</td><td>Instrument type of the orginal T7 strategy.<table><tr><th>Value</th><th>Description</th></tr><tr><td>2</td><td>Standard Option Strategy</td></tr><tr><td>3</td><td>Non-Standard Option Strategy</td></tr><tr><td>4</td><td>Volatility Strategy</td></tr><tr><td>5</td><td>Futures Spread</td></tr><tr><td>6</td><td>Inter-Product Spread</td></tr><tr><td>7</td><td>Standard Future Strategy</td></tr><tr><td>8</td><td>Pack and Bundle</td></tr><tr><td>9</td><td>Strip</td></tr><tr><td>11</td><td>Commodity Strip</td></tr><tr><td>12</td><td>Scaled Simple Instrument</td></tr><tr><td>13</td><td>Non-Standard Volatility Strategy</td></tr><tr><td>14</td><td>Total Return Future Strategy</td></tr></table></td></tr>
<tr><td>54</td><td>Side</td><td>Y</td><td>1</td><td>236</td><td>unsigned int</td><td>Side of the TES trade.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Buy</td></tr><tr><td>2</td><td>Sell</td></tr></table></td></tr>
</table>

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1815</td><td>TradingCapacity</td><td>N</td><td>1</td><td>237</td><td>unsigned int</td><td>This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Customer (Agency)</td></tr><tr><td>5</td><td>Principal (Proprietary)</td></tr><tr><td>6</td><td>Market Maker</td></tr></table></td></tr>
<tr><td>856</td><td>TradeReportType</td><td>Y</td><td>1</td><td>238</td><td>unsigned int</td><td>Type of Trade Report<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Submit</td></tr><tr><td>1</td><td>Alleged</td></tr><tr><td>5</td><td>No/Was (Replaced)</td></tr><tr><td>7</td><td>(Locked-In) Trade Break</td></tr></table></td></tr>
<tr><td>830</td><td>TransferReason</td><td>Y</td><td>1</td><td>239</td><td>unsigned int</td><td>Identifies the role for which the trade notification is received.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Owner</td></tr><tr><td>2</td><td>Clearer</td></tr></table></td></tr>
<tr><td>1390</td><td>TradePublishIndicator</td><td>Y</td><td>1</td><td>240</td><td>unsigned int</td><td>Indicates if a trade should be reported via the market reporting service.<table><tr><th>Value</th><th>Description</th></tr><tr><td>2</td><td>Deferred publication to market</td></tr><tr><td>3</td><td>Published to market</td></tr></table></td></tr>
<tr><td>25247</td><td>OptionalEarly-TerminationIndicator</td><td>N</td><td>1</td><td>241</td><td>unsigned int</td><td>Indicates whether the counterparties have the right for early termination.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>No</td></tr><tr><td>1</td><td>Yes</td></tr></table></td></tr>
<tr><td>442</td><td>MultiLegReporting-Type</td><td>N</td><td>1</td><td>242</td><td>unsigned int</td><td>Indicates if the trade resulted from a single order or a multi leg instrument.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Single instrument</td></tr><tr><td>2</td><td>Complex instrument</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
77	PositionEffect	N	1	243	char	Field is used for T7 position management purposes and indicates whether the order is submitted to open or close a position. Value: C = Close; O = Open
28750	MultilegPriceModel	N	1	244	unsigned int	Price decomposition method for legs of a complex instrument. Value: 0 = leg level prices provided by system; 1 = leg level prices provided by user
23002	OrderAttribute-LiquidityProvision	N	1	245	unsigned int	MiFID field: Indication as to whether an order is submitted to a Trading Venue as part of a market making strategy. Value: 1 = Liquidity provision; 0 = No liquidity provision
23003	OrderAttributeRisk-Reduction	N	1	246	unsigned int	MiFID field: Indication as to whether the transaction reduces risk in an objectively measurable way in accordance with Article 57 of Directive 2014/EU. The field is only applicable for commodity derivative transactions. Value: 1 = Risk reduction; 0 = No risk reduction
25124	ExecutingTrader-Qualifier	N	1	247	unsigned int	MiFID field: Qualifier for field ExecutingTrader. It is required to distinguish between natural persons and Algos. Value: 22 = Algo; 24 = Human/Natural person

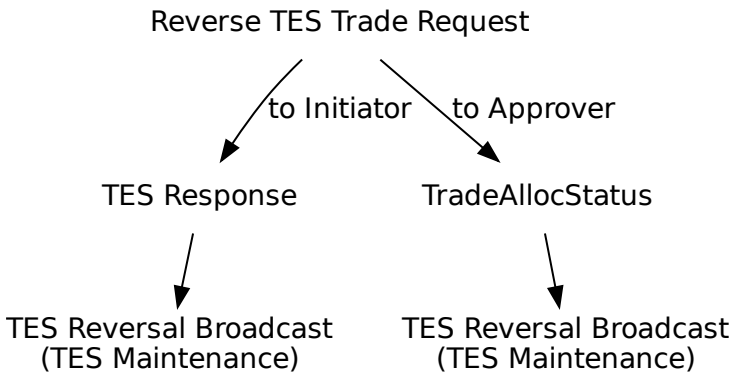
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
21622	RootParty-IDInvestmentDecision-MakerQualifier	N	1	248	unsigned int	MiFID field: Qualifier for field Party-IdInvestmentDecisionMaker. Members/participants will have the possibility to specify an Investment qualifier value to distinguish between natural persons and Algos. Value: 22 – Algo; 24 – Human/Natural person
1724	OrderOrigination	N	1	249	unsigned int	MiFID field: Field to indicate order received from a direct access or sponsored access customer Value: 5 – Order received from a direct access customer; 105 – Order received from a sponsored access customer
700	ReversalIndicator	N	1	250	unsigned int	Indicator whether the reversal of the TES trade is electronically requested or not Value: 0 – No; 1 – Yes
2788	TradeAggregation-TransType	N	1	251	unsigned int	Trade Aggregation Identifier. Value: 0 – New
1	Account	N	2	252	Fixed String	Accounts to book trades and keep positions on. Valid characters: 1-9, \x41, \x47, \x49, \x4D, \x50, \x52
20438	RootPartyIDPosition-Account	N	32	254	Fixed String	'Flexible Account' information. Valid characters: \x20, \x30-\x39, \x41-\x5A

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1031	CustOrderHandling-Inst	N	1	286	Fixed String	Identifies the source of an order, in accordance with the FIA guidelines for a rate Identifier.The field is for participant use only. Value: W – Desk Y – Electronic C – Vendor-provided Platform billed by Executing Broker G – Sponsored Access via Exchange API or FIX provided by Executing Broker H – Premium Algorithmic Trading Provider billed by Executing Broker D – Other, including Other-provided Screen * – More values
25007	FreeText1	N	12	287	Fixed String	First free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25008	FreeText2	N	12	299	Fixed String	Second free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25009	FreeText3	N	12	311	Fixed String	Third free-format text field for trader-specific or customer-related comments. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
22401	RootPartyExecuting-Firm	Y	5	323	Fixed String	Participant Short Name. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
22412	RootPartyExecuting-Trader	Y	6	328	Fixed String	Owning User Short Name. Valid characters: \x20, \x22-\x7B, \x7D, \x7E

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
22404	RootPartyClearing-Firm	N	5	334	Fixed String	Clearing Member Short Name. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
22421	RootPartyClearing-Organization	Y	4	339	Fixed String	Clearing House Short Name. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
20432	RootParty-IDBeneficiary	N	9	343	Fixed String	Final Beneficiary. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
20496	RootPartyIDTakeUp-TradingFirm	N	5	352	Fixed String	Take-up Member Short Name. Valid characters: A-Z, 0-9, \x20
20413	RootPartyIDOrder-OriginationFirm	N	7	357	Fixed String	External Member ID. Valid characters: A-Z, 0-9, \x20
20473	RootParty-IDExecutionVenue	N	4	364	Fixed String	Market Segment Identification Code Valid characters: \x20, \x22-\x7B, \x7D, \x7E
1903	RegulatoryTradeID	N	52	368	Fixed String	TVTIC - Trading Venue Transaction Identification Code Valid characters: 0-9, A-Z, a-z, \x20
25182	BasketPartyContra-Firm	N	5	420	Fixed String	The identifier of the basket member counterparty institution. Valid characters: A-Z, 0-9, \x20
26162	BasketSideTrade-ReportID	N	20	425	Fixed String	User defined Basket trade ID. Valid characters: \x01-\x7E
32999	FeeIdntCode	N	15	445	Fixed String	This field indicates the Fee Code associated with the transaction. Valid characters: \x41-\x45, \x47, \x4B, \x4D, \x4E, \x50, \x52, \x53, \x54, \x56, \x57, \x58
39040	Pad4	U	4	460	Fixed String	not used

14.12 Reverse TES Trade Request

This message is sent to the service "T7 Entry".

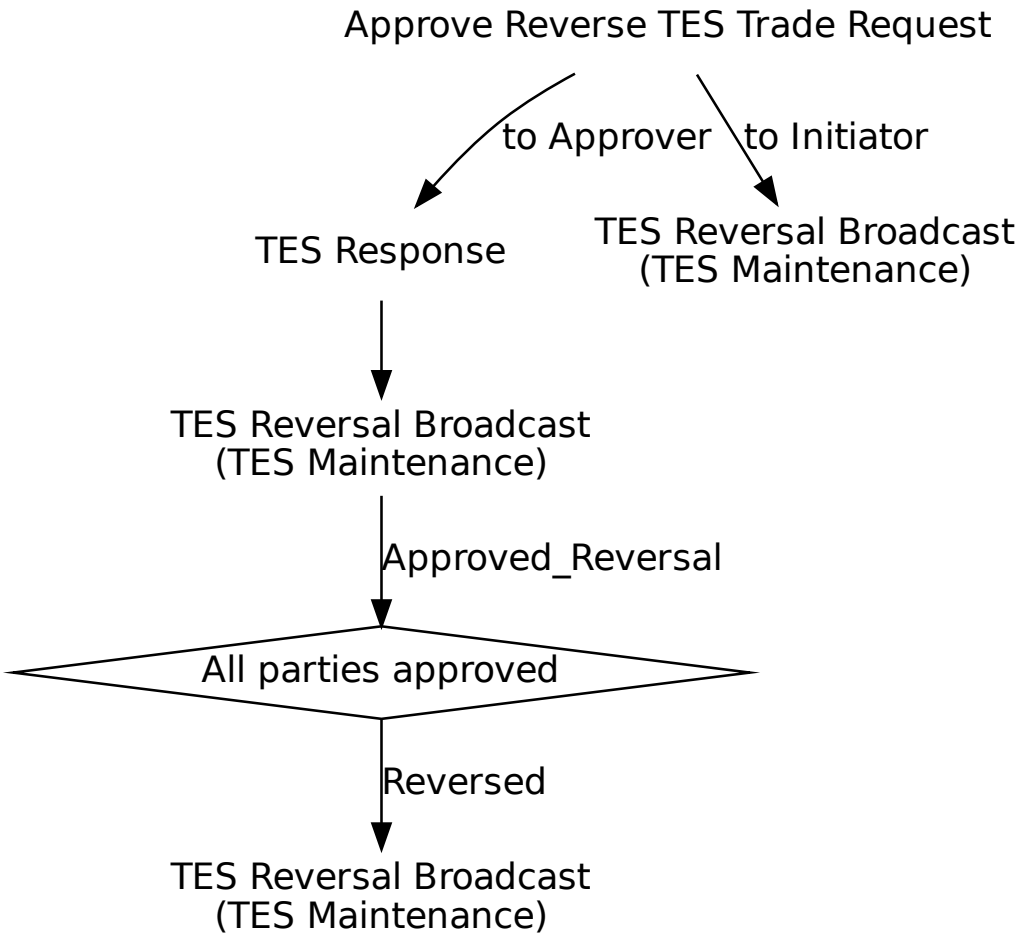


Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10630 (TradeCaptureReport, MsgType = AE)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
1300	MarketSegmentID	Y	4	24	signed int	Product identifier.
2489	PackageID	Y	4	28	unsigned int	Identifier for a T7 Entry Service trade i.e. TES trade ID.
30017	TESExecID	Y	4	32	unsigned int	System transaction identifier for a T7 Entry Service transaction.
2546	RelatedMarket-SegmentID	N	4	36	signed int	Identifies a related product. Set for TrdType (1000) Vola Trade [mandatory].

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>828</td><td>TrdType</td><td>Y</td><td>2</td><td>40</td><td>unsigned int</td><td>Type of TES trade.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Block Trade</td></tr><tr><td>12</td><td>Exchange for Swap</td></tr><tr><td>1000</td><td>Vola Trade</td></tr><tr><td>1001</td><td>EFP-Fin Trade</td></tr><tr><td>1002</td><td>EFP-Index Futures Trade</td></tr><tr><td>1007</td><td>QTPIP BLOCK TRADE</td></tr><tr><td>1004</td><td>Trade at Market</td></tr><tr><td>1006</td><td>Eurex/Xetra Enlight triggered trade</td></tr></table></td></tr>
<tr><td>571</td><td>TradeReportID</td><td>N</td><td>20</td><td>42</td><td>Fixed String</td><td>User defined transaction ID. Part of the TES response and TES broadcast.
Valid characters: \x01-\x7E</td></tr>
<tr><td>25196</td><td>ReversalReasonText</td><td>N</td><td>132</td><td>62</td><td>Fixed String</td><td>Reversal Reason Text.
Valid characters: \x20, \x22-\x7B, \x7D, \x7E</td></tr>
<tr><td>39060</td><td>Pad6</td><td>U</td><td>6</td><td>194</td><td>Fixed String</td><td>not used</td></tr>
</table>

14.13 Approve Reverse TES Trade Request

This message is sent to the service "T7 Entry".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10631 (TradeCaptureReport, MsgType = AE)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
1300	MarketSegmentID	Y	4	24	signed int	Product identifier.
2489	PackageID	Y	4	28	unsigned int	Identifier for a T7 Entry Service trade i.e. TES trade ID.
70	AllocID	Y	4	32	unsigned int	Unique identifier for a TES Trade side.
30017	TESExecID	Y	4	36	unsigned int	System transaction identifier for a T7 Entry Service transaction.
2546	RelatedMarket-SegmentID	N	4	40	signed int	Identifies a related product. Set for TrdType (1000) Vola Trade [mandatory].
828	TrdType	Y	2	44	unsigned int	Type of TES trade. Value: Description 1: Block Trade 12: Exchange for Swap 1000: Vola Trade 1001: EFP-Fin Trade 1002: EFP-Index Futures Trade 1007: QTPIP BLOCK TRADE 1004: Trade at Market 1006: Eurex/Xetra Enlight triggered trade
571	TradeReportID	N	20	46	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E
39060	Pad6	U	6	66	Fixed String	not used

14.14 TES Reversal Broadcast

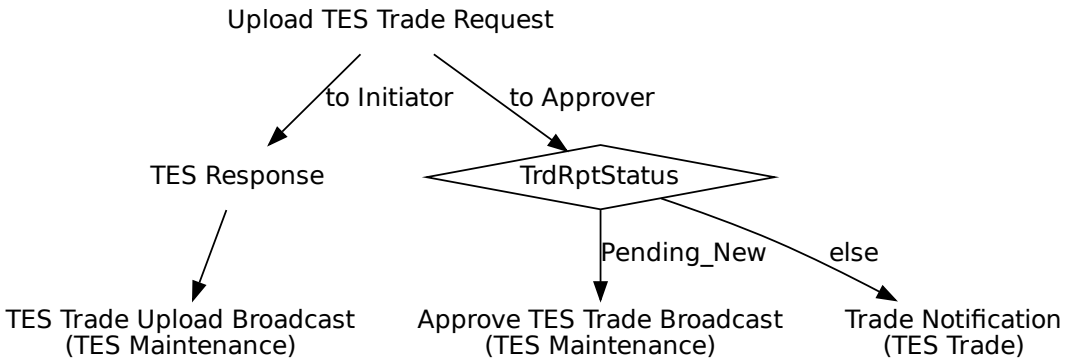
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10632 (TradeCaptureReport, MsgType = AE)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	Y	2	28	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 7 = TES Maintenance
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
25197	ReversalInitiationTime	N	8	40	UTCTimestamp	Reversal Initiation Time.
1300	MarketSegmentID	Y	4	48	signed int	Product identifier.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
2489	PackageID	Y	4	52	unsigned int	Identifier for a T7 Entry Service trade i.e. TES trade ID.
30017	TESExecID	Y	4	56	unsigned int	System transaction identifier for a T7 Entry Service transaction.
2546	RelatedMarket-SegmentID	N	4	60	signed int	Identifies a related product. Set for TrdType (1000) Vola Trade [mandatory].
828	TrdType	Y	2	64	unsigned int	Type of TES trade. Value: Description 1: Block Trade 12: Exchange for Swap 1000: Vola Trade 1001: EFP-Fin Trade 1002: EFP-Index Futures Trade 1007: QTPIP BLOCK TRADE 1004: Trade at Market 1006: Eurex/Xetra Enlight triggered trade
939	TrdRptStatus	N	1	66	unsigned int	Overall status of the TES trade, for Initiator only Value: Description 0: Accepted 7: Terminated 5: Pending Cancel
25195	ReversalCancellation-Reason	N	1	67	unsigned int	Reversal Cancellation Reason Value: Description 1: TES Activity State Change 2: Instrument Expiration 3: Instrument Deletion 4: Instrument Suspension
28709	NoSideAllocs	Y	1	68	Counter	Number of allocation in a T7 Entry Service trade. Number of TES trade sides in a TES trade.
571	TradeReportID	N	20	69	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E
25196	ReversalReasonText	N	132	89	Fixed String	Reversal Reason Text. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
39030	Pad3	U	3	221	Fixed String	not used

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<SideAllocGrpBC> Cardinality: 1-99, Record counter: NoSideAllocs						
80	>AllocQty	U	8	224	Qty	not used
25198	>ReversalApproval-Time	N	8	232	UTCTimestamp	Reversal Approval Time
467	>IndividualAllocID	Y	4	240	unsigned int	Unique identifier for a TES trade side.
25180	>TESEnrichment-RuleID	U	4	244	unsigned int	not used
22001	>PartyExecutingFirm	U	5	248	Fixed String	not used
22012	>PartyExecuting-Trader	U	6	253	Fixed String	not used
54	>Side	U	1	259	unsigned int	not used
1840	>TradeAllocStatus	Y	1	260	unsigned int	Status of an allocation in a T7 Entry Service trade. Value: Description 1: Pending 2: Approved 3: Auto Approved 4: Uploaded 5: Canceled 7: Pending Reversal 8: Side Approved Reversal 9: Reversed 10: Cancelled Reversal
39030	>Pad3	U	3	261	Fixed String	not used

14.15 Upload TES Trade Request

This message is used to upload TES Trades. This message is sent to the service "T7 Entry".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10612 (TradeCaptureReport, MsgType = AE)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
48	SecurityID	Y	8	24	signed int	Instrument identifier.
31	LastPx	Y	8	32	PriceType	Price of TES trade.
483	TransBkdTime	N	8	40	UTCTimestamp	Time of Commencement, the time when an Off-Book trade was concluded outside the T7 System.
810	UnderlyingPx	N	8	48	PriceType	Underlying price associated with a derivative instrument.
2589	RelatedClosePrice	N	8	56	floatDecimal6	User defined index price. To be set for TrdType (1004) Trade at Market [mandatory].

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1860	RelatedTradeQuantity	N	8	64	Qty	Quantity of the related trade. To be set for TrdType (1000) Vola Trade [mandatory].
879	UnderlyingQty	N	8	72	Qty	Nominal value of an underlying (for an EFS or EFP Index Trade in units of thousand).
1300	MarketSegmentID	Y	4	80	signed int	Product identifier.
987	UnderlyingSettlement-Date	N	4	84	LocalMktDate	Date the underlying instrument will settle. To be set for TrdType (1) Echange for Swap [optional] and (1001) EFP-Fin Trade [optional].
542	UnderlyingMaturity-Date	N	4	88	LocalMktDate	Underlying security's maturity date. To be set for TrdType (1001) EFP-Fin Trade [mandatory].
1856	RelatedTradeID	N	4	92	unsigned int	Identifier of a related trade. To be set for TrdType (1000) Vola Trade [mandatory].
2546	RelatedMarket-SegmentID	N	4	96	signed int	Identifies a related product. Set for TrdType (1000) Vola Trade [mandatory].
828	TrdType	Y	2	100	unsigned int	Type of TES trade. Value: 1 Block Trade; 12 Exchange for Swap; 1000 Vola Trade; 1001 EFP-Fin Trade; 1002 EFP-Index Futures Trade; 1007 QTPIP BLOCK TRADE; 1004 Trade at Market

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1227	ProductComplex	N	1	102	unsigned int	This field qualifies an instrument type on T7. Value: 1 = Simple instrument; 2 = Standard Option Strategy; 3 = Non-Standard Option Strategy; 4 = Volatility Strategy; 5 = Futures Spread; 6 = Inter-Product Spread; 7 = Standard Future Strategy; 8 = Pack and Bundle; 9 = Strip; 10 = Flexible Simple Instrument; 11 = Commodity Strip; 12 = Scaled Simple Instrument; 13 = Non-Standard Volatility Strategy; 14 = Total Return Future Strategy
856	TradeReportType	Y	1	103	unsigned int	Type of Trade Report Value: 0 = Submit
1390	TradePublishIndicator	Y	1	104	unsigned int	Indicates if a trade should be reported via the market reporting service. Value: 0 = Do not publish trade; 1 = Publish trade
28709	NoSideAllocs	Y	1	105	Counter	Number of allocation in a T7 Entry Service trade. Number of TES trade sides in a TES trade.
555	NoLegs	Y	1	106	Counter	Number of repeating TrdInstrmntLegGrp entries (number of legs for user provided leg trade prices).
864	NoEvents	Y	1	107	Counter	Number of repeating EventType entries.
870	NoInstrAttrib	Y	1	108	Counter	Number of repeating InstrAttribType entries.
887	NoUnderlyingStips	Y	1	109	Counter	Number of underlying stipulation entries.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25034	SkipValidations	Y	1	110	unsigned int	Indicator to skip validations. Value: 0 = False; 1 = True
939	TrdRptStatus	N	1	111	unsigned int	Can only be used for EEX Value: 0 = Accepted; 4 = Pending new
25160	TradePlatform	N	1	112	unsigned int	Indicates trade platform. Value: 0 = Off-Book; 1 = On-Book
29008	HedgeType	N	1	113	unsigned int	Hedging method. To be set for TrdType (12) Exchange for Swap [mandatory], (1001) EFP-Fin Trade [mandatory]and (1002) EFI-Index Futures Trade [mandatory]. Value: 0 = Duration Hedge; 1 = Nominal Hedge; 2 = Price Factor Hedge
20010	PartyIDSettlement-Location	N	1	114	unsigned int	ID of settlement location. Value: 1 = Clearstrem Banking Frankfurt; 2 = Clearstrem Banking Luxemburg; 3 = CLS Group; 4 = Euroclear
25175	ValueCheckTypeMin-LotSize	N	1	115	unsigned int	Indicator for checking the Miniminm Lot Size by the exchange. Mandatory if TrdRptStatus=4(Pending_New) Value: 0 = Do not check; 1 = Check

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
571	TradeReportID	N	20	116	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E
28583	TradeReportText	N	20	136	Fixed String	User defined TES ID. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
309	UnderlyingSecurityID	N	12	156	ISIN	Underlying security's ID (ISIN). To be set for TrdType (1001) EFP-Fin Trade [mandatory]. Valid characters: A-Z, 0-9, \x20
307	UnderlyingSecurity-Desc	N	30	168	Fixed String	Description of the Underlying security. To be set for TrdType (1001) EFP-Fin Trade [optional]. Valid characters: \x01-\x7E
318	UnderlyingCurrency	N	3	198	CurrencyType	Underlying security's currency. To be set for TrdType (12) Exchange for Swap [optional]and (1001) EFP-Fin Trade [optional]. Valid characters: A-Z, 0-9, \x20
306	UnderlyingIssuer	N	30	201	Fixed String	The issuer or name of the underlying security. To be set for TrdType (1001) EFP-Fin Trade [optional]. Valid characters: \x01-\x7E
25199	SwapClearer	N	1	231	unsigned int	Swap clearer for EFS Trades only. Value: 0 = Eurex Clearing; 1 = Non-Eurex Clearing
<SideAllocExtGrp> Cardinality: 1 - 99, Record counter: NoSideAllocs						
80	>AllocQty	Y	8	232	Qty	Quantity of the particular trade side in the TES trade.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
20003	>PartyIDClientID	N	8	240	unsigned int	MiFID field: Client Identifier field (ESMA Field 3 (Section A))used to identify the client of an order for agent account of the member or participant of the trading venue. If the Client Identifier field is not provided for agent orders, then they will be rejected. For orders sent with Trading Capacity Proprietary or Market Making, the Client Identifier field may remain empty.
20122	>PartyIdInvestment-DecisionMaker	N	8	248	unsigned int	MiFID field: Investment decision within firm (ESMA Field 4 (Section A)) is the code used to identify the person or the algorithm within the member or participant of the Trading Venue who is responsible for the investment decision.
25123	>ExecutingTrader	N	8	256	unsigned int	MiFID field: Executing Trader data Field(ESMA Field 5 (Section A))used to identify the person or algorithm within the member or participant of the trading venue who is responsible for the execution of the transaction resulting from the order.
467	>IndividualAllocID	U	4	264	unsigned int	not used
22001	>PartyExecutingFirm	Y	5	268	Fixed String	Owning business unit name. Valid characters: A-Z, 0-9, \x20
22012	>PartyExecuting-Trader	Y	6	273	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20
39000	>Pad1	U	1	279	Fixed String	not used
25180	>TESEnrichment-RuleID	N	4	280	unsigned int	Enrichment Rule ID for TES trades (to be used only in case of Auto Approval).
54	>Side	Y	1	284	unsigned int	Side of the TES trade. Value: 1 = Buy; 2 = Sell
1840	>TradeAllocStatus	U	1	285	unsigned int	not used

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1815</td><td>>TradingCapacity</td><td>N</td><td>1</td><td>286</td><td>unsigned int</td><td>This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Customer (Agency)</td></tr><tr><td>5</td><td>Principal (Proprietary)</td></tr><tr><td>6</td><td>Market Maker</td></tr></table></td></tr>
<tr><td>77</td><td>>PositionEffect</td><td>N</td><td>1</td><td>287</td><td>char</td><td>Field is used for T7 position management purposes and indicates whether the order is submitted to open or close a position.<table><tr><td>Value</td><td>Description</td></tr><tr><td>C</td><td>Close</td></tr><tr><td>O</td><td>Open</td></tr></table></td></tr>
<tr><td>23002</td><td>>OrderAttribute-LiquidityProvision</td><td>N</td><td>1</td><td>288</td><td>unsigned int</td><td>MiFID field: Indication as to whether an order is submitted to a Trading Venue as part of a market making strategy.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Liquidity provision</td></tr><tr><td>0</td><td>No liquidity provision</td></tr></table></td></tr>
<tr><td>25124</td><td>>ExecutingTrader-Qualifier</td><td>N</td><td>1</td><td>289</td><td>unsigned int</td><td>MiFID field: Qualifier for field ExecutingTrader. It is required to distinguish between natural persons and Algos.<table><tr><td>Value</td><td>Description</td></tr><tr><td>22</td><td>Algo</td></tr><tr><td>24</td><td>Human/Natural person</td></tr></table></td></tr>
<tr><td>21222</td><td>>PartyIdInvestment-DecisionMaker-Qualifier</td><td>N</td><td>1</td><td>290</td><td>unsigned int</td><td>MiFID field: Qualifier for field PartyIdInvestmentDecisionMaker. Members/participants will have the possibility to specify an Investment qualifier value to distinguish between natural persons and Algos.<table><tr><td>Value</td><td>Description</td></tr><tr><td>22</td><td>Algo</td></tr><tr><td>24</td><td>Human/Natural person</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
23003	>OrderAttributeRisk-Reduction	N	1	291	unsigned int	MiFID field: Indication as to whether the transaction reduces risk in an objectively measurable way in accordance with Article 57 of Directive 2014/EU. The field is only applicable for commodity derivative transactions. Value: 1 – Risk reduction; 0 – No risk reduction
1724	>OrderOrigination	N	1	292	unsigned int	MiFID field: Field to indicate order received from a direct access or sponsored access customer Value: 5 – Order received from a direct access customer; 105 – Order received from a sponsored access customer
1	>Account	N	2	293	Fixed String	Accounts to book trades and keep positions on. Valid characters: 1-9, \x41, \x47, \x49, \x4D, \x50, \x52
20038	>PartyIDPosition-Account	N	32	295	Fixed String	'Flexible Account' information. Valid characters: \x20, \x30-\x39, \x41-\x5A
20096	>PartyIDTakeUp-TradingFirm	N	5	327	Fixed String	Take-up Member Short Name. Valid characters: A-Z, 0-9, \x20
25007	>FreeText1	N	12	332	Fixed String	First free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25008	>FreeText2	N	12	344	Fixed String	Second free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25009	>FreeText3	N	12	356	Fixed String	Third free-format text field for trader-specific or customer-related comments. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
20013	>PartyIDOrder-OriginationFirm	N	7	368	Fixed String	External Member ID. Valid characters: A-Z, 0-9, \x20
20032	>PartyIDBeneficiary	N	9	375	Fixed String	Final Beneficiary. Valid characters: A-Z, 0-9, \x20
20075	>PartyIDLocationID	N	2	384	Fixed String	Country code. Will be set to "XX" for non-capital letters. Valid characters: \x01-\x7E
1031	>CustOrderHandling-Inst	N	1	386	Fixed String	Identifies the source of an order, in accordance with the FIA guidelines for a rate Identifier.The field is for participant use only. Value: W – Desk Value: Y – Electronic Value: C – Vendor-provided Platform billed by Executing Broker Value: G – Sponsored Access via Exchange API or FIX provided by Executing Broker Value: H – Premium Algorithmic Trading Provider billed by Executing Broker Value: D – Other, including Other-provided Screen Value: * – More values
2404	>ComplianceText	N	20	387	Fixed String	This field is used to provide additional regulatory information (according to respective rules & regs, circulars and/or bilateral coordination between participant and Trading Surveillance Office). Valid characters: \x20, \x22-\x7B, \x7D, \x7E
25241	>PartyEndClient-Identification	N	20	407	Fixed String	End client identifier. Valid characters: A-Z, 0-9, \x20, \x5F

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
39050	>Pad5	U	5	427	Fixed String	not used
<TrdInstrmntLegGrp> Cardinality: 0-20, Record counter: NoLegs						
602	>LegSecurityID	Y	8	0	signed int	Instrument identifier of the leg security.
566	>LegPrice	Y	8	8	PriceType	User provided leg trade price (not for underlying leg).
687	>LegQty	U	8	16	Qty	not used
<InstrumentEventGrp> Cardinality: 0-2, Record counter: NoEvents						
866	>EventDate	Y	4	0	LocalMktDate	Date of event. To be set for TrdType (12) Exchange for Swap [mandatory].
865	>EventType	Y	1	4	unsigned int	Identifier for an Instrument Event. Value: 8 = Swap Start Date; 9 = Swap End Date
39030	>Pad3	U	3	5	Fixed String	not used
<InstrumentAttributeGrp> Cardinality: 0-6, Record counter: NoInstrAttrib						
871	>InstrAttribType	Y	1	0	unsigned int	Code to represent the type of instrument attribute. To be set for TrdType (12) Exchange for Swap[Swap, Customer_1, Swap_Customer_2 Variable_Rate, Offset_to-the_variable_coupon_rate: optional], (1001) EFP-Fin Trade [Coupon_Rate: optional]and (1002) EFP-Index Futures Trade[Cash_Basket_Reference: mandatory]. Value: 5 = Variable rate; 100 = Coupon rate; 101 = Offset to the variable coupon rate; 102 = Swap Customer 1; 103 = Swap Customer 2; 104 = Cash Basket Reference

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
872	>InstrAttribValue	Y	32	1	Fixed String	Attribute value appropriate to the InstrAttribType field. To be set for TrdTyp (12) Exchange for Swap [optional], (1001) EFP-Fin Trade [optional] and (1002) EFP-Index Futures Trade [mandatory]. Valid characters: \x01-\x7E
39070	>Pad7	U	7	33	Fixed String	not used
<UnderlyingStipGrp> Cardinality: 0-1, Record counter: NoUnderlyingStips						
889	>UnderlyingStipValue	Y	32	0	Fixed String	Value of stipulation. In case of coupon frequency , fill the field with coupon frequency value. To be set for TrdType (12) Exchange for Swap [optional] and (1001) EFP-Fin Trade [optional]. Valid characters: \x01-\x7E
888	>UnderlyingStipType	Y	7	32	Fixed String	Type of stipulation. e.g. to denote coupon frequency. Pay_Frequency to be set for TrdType (12) Exchange for Swap [optional] and (1001) EFP-Fin Trade [optional]. Value: PAYFREQ — Description: Pay_Frequency
39000	>Pad1	U	1	39	Fixed String	not used

14.16 TES Trade Upload Broadcast

This message informs about uploaded TES Trades.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10613 (TradeCaptureReport, MsgType = AE)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	Y	2	28	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 7 = TES Maintenance
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
48	SecurityID	Y	8	40	signed int	Instrument identifier.
31	LastPx	Y	8	48	PriceType	Price of TES trade.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
483	TransBkdTime	N	8	56	UTCTimestamp	Time of Commencement, the time when an Off-Book trade was concluded outside the T7 System.
60	TransactTime	Y	8	64	UTCTimestamp	Transaction timestamp.
810	UnderlyingPx	N	8	72	PriceType	Underlying price associated with a derivative instrument.
2589	RelatedClosePrice	N	8	80	floatDecimal6	User defined index price. To be set for TrdType (1004) Trade at Market [mandatory].
1860	RelatedTradeQuantity	N	8	88	Qty	Quantity of the related trade. To be set for TrdType (1000) Vola Trade [mandatory].
879	UnderlyingQty	N	8	96	Qty	Nominal value of an underlying (for an EFS or EFP Index Trade in units of thousand).
1300	MarketSegmentID	Y	4	104	signed int	Product identifier.
2489	PackageID	Y	4	108	unsigned int	Identifier for a T7 Entry Service trade i.e. TES trade ID.
30017	TESExecID	Y	4	112	unsigned int	System transaction identifier for a T7 Entry Service transaction.
987	UnderlyingSettlement-Date	N	4	116	LocalMktDate	Date the underlying instrument will settle. To be set for TrdType (1) Echange for Swap [optional] and (1001) EFP-Fin Trade [optional].
542	UnderlyingMaturity-Date	N	4	120	LocalMktDate	Underlying security's maturity date. To be set for TrdType (1001) EFP-Fin Trade [mandatory].
1856	RelatedTradeID	N	4	124	unsigned int	Identifier of a related trade. To be set for TrdType (1000) Vola Trade [mandatory].
2546	RelatedMarket-SegmentID	N	4	128	signed int	Identifies a related product. Set for TrdType (1000) Vola Trade [mandatory].

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>828</td><td>TrdType</td><td>Y</td><td>2</td><td>132</td><td>unsigned int</td><td>Type of TES trade.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Block Trade</td></tr><tr><td>12</td><td>Exchange for Swap</td></tr><tr><td>1000</td><td>Vola Trade</td></tr><tr><td>1001</td><td>EFP-Fin Trade</td></tr><tr><td>1002</td><td>EFP-Index Futures Trade</td></tr><tr><td>1007</td><td>QTPIP BLOCK TRADE</td></tr><tr><td>1004</td><td>Trade at Market</td></tr></table></td></tr>
<tr><td>1227</td><td>ProductComplex</td><td>N</td><td>1</td><td>134</td><td>unsigned int</td><td>This field qualifies an instrument type on T7.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Simple instrument</td></tr><tr><td>2</td><td>Standard Option Strategy</td></tr><tr><td>3</td><td>Non-Standard Option Strategy</td></tr><tr><td>4</td><td>Volatility Strategy</td></tr><tr><td>5</td><td>Futures Spread</td></tr><tr><td>6</td><td>Inter-Product Spread</td></tr><tr><td>7</td><td>Standard Future Strategy</td></tr><tr><td>8</td><td>Pack and Bundle</td></tr><tr><td>9</td><td>Strip</td></tr><tr><td>10</td><td>Flexible Simple Instrument</td></tr><tr><td>11</td><td>Commodity Strip</td></tr><tr><td>12</td><td>Scaled Simple Instrument</td></tr><tr><td>13</td><td>Non-Standard Volatility Strategy</td></tr><tr><td>14</td><td>Total Return Future Strategy</td></tr></table></td></tr>
<tr><td>856</td><td>TradeReportType</td><td>Y</td><td>1</td><td>135</td><td>unsigned int</td><td>Type of Trade Report<table><tr><th>Value</th><th>Description</th></tr><tr><td>2</td><td>Accept</td></tr><tr><td>0</td><td>Submit</td></tr></table></td></tr>
<tr><td>939</td><td>TrdRptStatus</td><td>N</td><td>1</td><td>136</td><td>unsigned int</td><td>Overall status of the TES trade, for Initiator only<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Accepted</td></tr><tr><td>4</td><td>Pending new</td></tr><tr><td>9</td><td>Deemed verified</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1390	TradePublishIndicator	Y	1	137	unsigned int	Indicates if a trade should be reported via the market reporting service. Value: 0 = Do not publish trade; 1 = Publish trade
25160	TradePlatform	Y	1	138	unsigned int	Indicates trade platform. Value: 0 = Off-Book; 1 = On-Book
28709	NoSideAllocs	Y	1	139	Counter	Number of allocation in a T7 Entry Service trade. Number of TES trade sides in a TES trade.
555	NoLegs	Y	1	140	Counter	Number of repeating TrdInstrmntLegGrp entries (number of legs for user provided leg trade prices).
864	NoEvents	Y	1	141	Counter	Number of repeating EventType entries.
870	NoInstrAttrib	Y	1	142	Counter	Number of repeating InstrAttribType entries.
887	NoUnderlyingStips	Y	1	143	Counter	Number of underlying stipulation entries.
29008	HedgeType	N	1	144	unsigned int	Hedging method. To be set for TrdType (12) Exchange for Swap [mandatory], (1001) EFP-Fin Trade [mandatory]and (1002) EFI-Index Futures Trade [mandatory]. Value: 0 = Duration Hedge; 1 = Nominal Hedge; 2 = Price Factor Hedge
20010	PartyIDSettlement-Location	N	1	145	unsigned int	ID of settlement location. Value: 1 = Clearstrem Banking Frankfurt; 2 = Clearstrem Banking Luxemburg; 3 = CLS Group; 4 = Euroclear

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25199	SwapClearer	N	1	146	unsigned int	Swap clearer for EFS Trades only. Value: 0 = Eurex Clearing; 1 = Non-Eurex Clearing
1011	MessageEventSource	Y	1	147	char	Receiver of a message. Value: I = Broadcast to initiator; A = Broadcast to approver
571	TradeReportID	N	20	148	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E
22401	RootPartyExecuting-Firm	N	5	168	Fixed String	Participant Short Name. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
22412	RootPartyExecuting-Trader	N	6	173	Fixed String	Owning User Short Name. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
309	UnderlyingSecurityID	N	12	179	ISIN	Underlying security's ID (ISIN). To be set for TrdType (1001) EFP-Fin Trade [mandatory]. Valid characters: A-Z, 0-9, \x20
307	UnderlyingSecurity-Desc	N	30	191	Fixed String	Description of the Underlying security. To be set for TrdType (1001) EFP-Fin Trade [optional]. Valid characters: \x01-\x7E
318	UnderlyingCurrency	N	3	221	CurrencyType	Underlying security's currency. To be set for TrdType (12) Exchange for Swap [optional]and (1001) EFP-Fin Trade [optional]. Valid characters: A-Z, 0-9, \x20
306	UnderlyingIssuer	N	30	224	Fixed String	The issuer or name of the underlying security. To be set for TrdType (1001) EFP-Fin Trade [optional]. Valid characters: \x01-\x7E
39020	Pad2	U	2	254	Fixed String	not used
<SideAllocExtGrp> Cardinality: 1-99, Record counter: NoSideAllocs						
80	>AllocQty	Y	8	256	Qty	Quantity of the particular trade side in the TES trade.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
20003	>PartyIDClientID	N	8	264	unsigned int	MiFID field: Client Identifier field (ESMA Field 3 (Section A))used to identify the client of an order for agent account of the member or participant of the trading venue. If the Client Identifier field is not provided for agent orders, then they will be rejected. For orders sent with Trading Capacity Proprietary or Market Making, the Client Identifier field may remain empty.
20122	>PartyIdInvestment-DecisionMaker	N	8	272	unsigned int	MiFID field: Investment decision within firm (ESMA Field 4 (Section A)) is the code used to identify the person or the algorithm within the member or participant of the Trading Venue who is responsible for the investment decision.
25123	>ExecutingTrader	N	8	280	unsigned int	MiFID field: Executing Trader data Field(ESMA Field 5 (Section A))used to identify the person or algorithm within the member or participant of the trading venue who is responsible for the execution of the transaction resulting from the order.
467	>IndividualAllocID	Y	4	288	unsigned int	Unique identifier for a TES trade side.
22001	>PartyExecutingFirm	Y	5	292	Fixed String	Owning business unit name. Valid characters: A-Z, 0-9, \x20
22012	>PartyExecuting-Trader	Y	6	297	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20
39000	>Pad1	U	1	303	Fixed String	not used
25180	>TESEnrichment-RuleID	N	4	304	unsigned int	Enrichment Rule ID for TES trades (to be used only in case of Auto Approval).
54	>Side	Y	1	308	unsigned int	Side of the order. Value: 1 = Buy; 2 = Sell

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1840</td><td>>TradeAllocStatus</td><td>Y</td><td>1</td><td>309</td><td>unsigned int</td><td>Status of an allocation in a T7 Entry Service trade.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Pending</td></tr><tr><td>2</td><td>Approved</td></tr><tr><td>3</td><td>Auto Approved</td></tr><tr><td>4</td><td>Uploaded</td></tr><tr><td>5</td><td>Canceled</td></tr><tr><td>7</td><td>Pending Reversal</td></tr><tr><td>8</td><td>Side Approved Reversal</td></tr><tr><td>9</td><td>Reversed</td></tr><tr><td>10</td><td>Cancelled Reversal</td></tr></table></td></tr>
<tr><td>1815</td><td>>TradingCapacity</td><td>Y</td><td>1</td><td>310</td><td>unsigned int</td><td>This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Customer (Agency)</td></tr><tr><td>5</td><td>Principal (Proprietary)</td></tr><tr><td>6</td><td>Market Maker</td></tr></table></td></tr>
<tr><td>77</td><td>>PositionEffect</td><td>Y</td><td>1</td><td>311</td><td>char</td><td>Field is used for T7 position management purposes and indicates whether the order is submitted to open or close a position.<table><tr><td>Value</td><td>Description</td></tr><tr><td>C</td><td>Close</td></tr><tr><td>O</td><td>Open</td></tr></table></td></tr>
<tr><td>23002</td><td>>OrderAttribute-LiquidityProvision</td><td>N</td><td>1</td><td>312</td><td>unsigned int</td><td>MiFID field: Indication as to whether an order is submitted to a Trading Venue as part of a market making strategy.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Liquidity provision</td></tr><tr><td>0</td><td>No liquidity provision</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25124	>ExecutingTrader-Qualifier	N	1	313	unsigned int	MiFID field: Qualifier for field ExecutingTrader. It is required to distinguish between natural persons and Algos. Value: 22 = Algo; 24 = Human/Natural person
21222	>PartyIdInvestment-DecisionMaker-Qualifier	N	1	314	unsigned int	MiFID field: Qualifier for field PartyIdInvestmentDecisionMaker. Members/participants will have the possibility to specify an Investment qualifier value to distinguish between natural persons and Algos. Value: 22 = Algo; 24 = Human/Natural person
23003	>OrderAttributeRisk-Reduction	N	1	315	unsigned int	MiFID field: Indication as to whether the transaction reduces risk in an objectively measurable way in accordance with Article 57 of Directive 2014/EU. The field is only applicable for commodity derivative transactions. Value: 1 = Risk reduction; 0 = No risk reduction
1724	>OrderOrigination	N	1	316	unsigned int	MiFID field: Field to indicate order received from a direct access or sponsored access customer Value: 5 = Order received from a direct access customer; 105 = Order received from a sponsored access customer
1	>Account	N	2	317	Fixed String	Accounts to book trades and keep positions on. Valid characters: 1-9, \x41, \x47, \x49, \x4D, \x50, \x52

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
20038	>PartyIDPosition-Account	N	32	319	Fixed String	'Flexible Account' information. Valid characters: \x20, \x30-\x39, \x41-\x5A
20096	>PartyIDTakeUp-TradingFirm	N	5	351	Fixed String	Take-up Member Short Name. Valid characters: A-Z, 0-9, \x20
25007	>FreeText1	N	12	356	Fixed String	First free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25008	>FreeText2	N	12	368	Fixed String	Second free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25009	>FreeText3	N	12	380	Fixed String	Third free-format text field for trader-specific or customer-related comments. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
20013	>PartyIDOrder-OriginationFirm	N	7	392	Fixed String	External Member ID. Valid characters: A-Z, 0-9, \x20
20032	>PartyIDBeneficiary	N	9	399	Fixed String	Final Beneficiary. Valid characters: A-Z, 0-9, \x20
20075	>PartyIDLocationID	N	2	408	Fixed String	Country code. Will be set to "XX" for non-capital letters. Valid characters: \x01-\x7E

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1031	>CustOrderHandling-Inst	N	1	410	Fixed String	Identifies the source of an order, in accordance with the FIA guidelines for a rate Identifier.The field is for participant use only. Value: Description W: Desk Y: Electronic C: Vendor-provided Platform billed by Executing Broker G: Sponsored Access via Exchange API or FIX provided by Executing Broker H: Premium Algorithmic Trading Provider billed by Executing Broker D: Other, including Other-provided Screen *: More values
2404	>ComplianceText	N	20	411	Fixed String	This field is used to provide additional regulatory information (according to respective rules & regs, circulars and/or bilateral coordination between participant and Trading Surveillance Office). Valid characters: \x20, \x22-\x7B, \x7D, \x7E
25241	>PartyEndClient-Identification	U	20	431	Fixed String	not used
39050	>Pad5	U	5	451	Fixed String	not used
<TrdInstrmntLegGrp> Cardinality: 0-20, Record counter: NoLegs						
602	>LegSecurityID	Y	8	0	signed int	Instrument identifier of the leg security.
566	>LegPrice	Y	8	8	PriceType	User provided leg trade price (not for underlying leg).
687	>LegQty	N	8	16	Qty	Quantity for leg of a multileg
<InstrumentEventGrp> Cardinality: 0-2, Record counter: NoEvents						
866	>EventDate	Y	4	0	LocalMktDate	Date of event. To be set for TrdType (12) Exchange for Swap [mandatory].

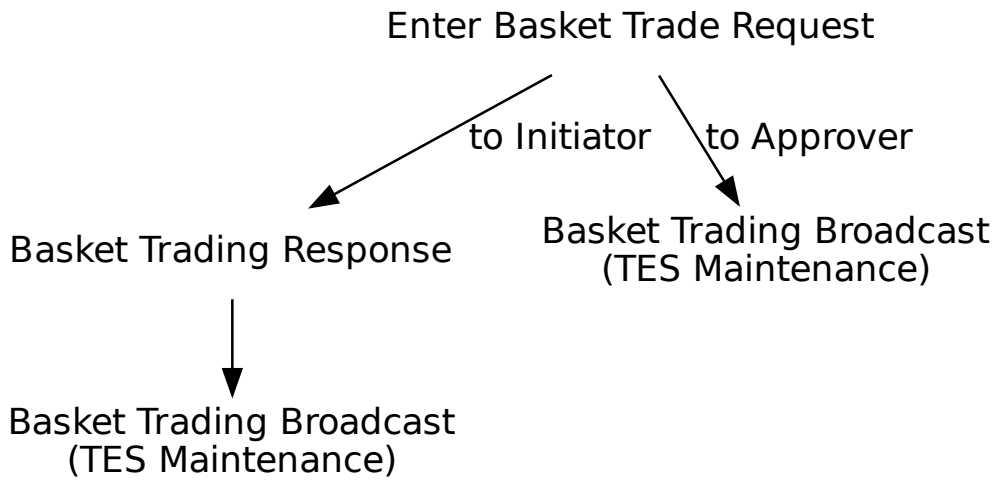
<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>865</td><td>>EventType</td><td>Y</td><td>1</td><td>4</td><td>unsigned int</td><td>Identifier for an Instrument Event.<table><tr><th>Value</th><th>Description</th></tr><tr><td>8</td><td>Swap Start Date</td></tr><tr><td>9</td><td>Swap End Date</td></tr></table></td></tr>
<tr><td>39030</td><td>>Pad3</td><td>U</td><td>3</td><td>5</td><td>Fixed String</td><td>not used</td></tr>
<tr><td colspan="7"><InstrumentAttributeGrp> Cardinality: 0-6, Record counter: NoInstrAttrib</td></tr>
<tr><td>871</td><td>>InstrAttribType</td><td>Y</td><td>1</td><td>0</td><td>unsigned int</td><td>Code to represent the type of instrument attribute.
To be set for TrdType (12) Exchange for Swap[Swap, Customer_1, Swap_Customer_2 Variable_Rate, Offset_to-the_variable_coupon_rate: optional], (1001) EFP-Fin Trade [Coupon_Rate: optional]and (1002) EFP-Index Futures Trade[Cash_Basket_Reference: mandatory].<table><tr><th>Value</th><th>Description</th></tr><tr><td>5</td><td>Variable rate</td></tr><tr><td>100</td><td>Coupon rate</td></tr><tr><td>101</td><td>Offset to the variable coupon rate</td></tr><tr><td>102</td><td>Swap Customer 1</td></tr><tr><td>103</td><td>Swap Customer 2</td></tr><tr><td>104</td><td>Cash Basket Reference</td></tr></table></td></tr>
<tr><td>872</td><td>>InstrAttribValue</td><td>Y</td><td>32</td><td>1</td><td>Fixed String</td><td>Attribute value appropriate to the InstrAttribType field.
To be set for TrdTyp (12) Exchange for Swap [optional], (1001) EFP-Fin Trade [optional] and (1002) EFP-Index Futures Trade [mandatory].
Valid characters: \x01-\x7E</td></tr>
<tr><td>39070</td><td>>Pad7</td><td>U</td><td>7</td><td>33</td><td>Fixed String</td><td>not used</td></tr>
<tr><td colspan="7"><UnderlyingStipGrp> Cardinality: 0-1, Record counter: NoUnderlyingStips</td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
889	>UnderlyingStipValue	Y	32	0	Fixed String	Value of stipulation. In case of coupon frequency , fill the field with coupon frequency value. To be set for TrdType (12) Exchange for Swap [optional] and (1001) EFP-Fin Trade [optional]. Valid characters: \x01-\x7E
888	>UnderlyingStipType	Y	7	32	Fixed String	Type of stipulation. e.g. to denote coupon frequency. Pay_Frequency to be set for TrdType (12) Exchange for Swap [optional] and (1001) EFP-Fin Trade [optional]. Value: PAYFREQ — Description: Pay_Frequency
39000	>Pad1	U	1	39	Fixed String	not used

15 Basket Trading

15.1 Enter Basket Trade Request

This message is sent to the service "T7 Entry".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10620 (TradeMatchReport, MsgType = DC)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
1300	MarketSegmentID	Y	4	24	signed int	Product identifier.
200	MaturityMonthYear	Y	4	28	LocalMonthYearCod	Month year code for expiry YYYYMM

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
28899	BasketProfileID	N	4	32	unsigned int	ID of the Basket profile, applicable only for Basket of Equity Total Return Futures(TrdType(828)=1010).
828	TrdType	Y	2	36	unsigned int	Type of Basket trade. Value: 1010 – Basket of Equity Total Return Futures Value: 1011 – Equity Bespoke Baskets
25169	NoBasketSideAlloc	Y	2	38	Counter	Number of trade match sides
856	TradeReportType	Y	1	40	unsigned int	Type of Trade Report Value: 0 – Submit
25173	BasketTradeReport-Type	Y	1	41	unsigned int	Basket operation Value: 0 – Submit
25247	OptionalEarly-TerminationIndicator	N	1	42	unsigned int	Indicates whether the counterparties have the right for early termination. Value: 0 – No Value: 1 – Yes
25165	NoBasketRootParty-Grps	Y	1	43	Counter	Number of Basket Root Parties
1889	NoInstrmtMatchSides	Y	1	44	Counter	Number of instrument match sides
31091	BasketAnonymity	N	1	45	unsigned int	Used to indicate anonymized trades in baskets. Value: 0 – No Value: 1 – Yes
25168	BasketTradeReport-Text	N	20	46	Fixed String	User defined text message field. Valid characters: \x01-\x7E
571	TradeReportID	N	20	66	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E
39020	Pad2	U	2	86	Fixed String	not used
<BasketRootPartyGrp> Cardinality: 1 - 2, Record counter: NoBasketRootPartyGrps						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1122	>RootPartySub-IDType	Y	2	88	unsigned int	RootParty sub-type Value: 4001 Buyer; 4002 Seller
22417	>RootPartyContra-Firm	Y	5	90	Fixed String	The identifier of the member counter-party institution. Valid characters: A-Z, 0-9, \x20
22437	>RootPartyContra-Trader	Y	6	95	Fixed String	The identifier of the trader counter-party. Valid characters: A-Z, 0-9, \x20
26162	>BasketSideTrade-ReportID	N	20	101	Fixed String	User defined Basket trade ID. Valid characters: \x01-\x7E
39070	>Pad7	U	7	121	Fixed String	not used
<InstrmtMatchSideGrp> Cardinality: 1 - 199, Record counter: NoInstrmtMatchSides						
48	>SecurityID	Y	8	0	signed int	Instrument identifier.
31	>LastPx	Y	8	8	PriceType	Price of this fill.
483	>TransBkdTime	N	8	16	UTCTimestamp	Time of Commencement, the time when an Off-Book trade was concluded outside the T7 System.
2589	>RelatedClosePrice	N	8	24	floatDecimal6	User defined index price. To be set for TrdType (1004) Trade at Market [mandatory].
1596	>ClearingTradePrice	U	8	32	PriceType	not used
2489	>PackageID	U	4	40	unsigned int	not used
1898	>SideMarket-SegmentID	Y	4	44	signed int	Product ID
1008	>SideTrdSubTyp	Y	2	48	unsigned int	Sub-type of a trade type Value: 2001 Block Trade; 2004 Trade at Market
1227	>ProductComplex	Y	1	50	unsigned int	This field qualifies an instrument type on T7. Value: 1 Simple instrument

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1390	>TradePublish-Indicator	Y	1	51	unsigned int	Indicates if a trade should be reported via the market reporting service. Value: 0 = Do not publish trade; 1 = Publish trade
25166	>InstrmtMatchSideID	Y	1	52	unsigned int	ID to map element of InstrmtMatch-SideGrp and BasketSideAllocGrp.
25163	>EffectOnBasket	N	1	53	unsigned int	Transaction effect on a basket. Value: 1 = Add volume; 2 = Remove volume
28583	>TradeReportText	N	20	54	Fixed String	User defined TES ID. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
39060	>Pad6	U	6	74	Fixed String	not used
<BasketSideAllocGrp> Cardinality: 1-398, Record counter: NoBasketSideAlloc						
80	>AllocQty	Y	8	0	Qty	Quantity of the particular trade side in the TES trade.
467	>IndividualAllocID	U	4	8	unsigned int	not used
803	>PartySubIDType	Y	2	12	unsigned int	Party sub-type Value: 14001 = Buyer; 14002 = Seller
54	>Side	Y	1	14	unsigned int	Side of the order. Value: 1 = Buy; 2 = Sell
25166	>InstrmtMatchSideID	Y	1	15	unsigned int	ID to map element of InstrmtMatch-SideGrp and BasketSideAllocGrp.
1840	>TradeAllocStatus	U	1	16	unsigned int	not used
22001	>PartyExecutingFirm	Y	5	17	Fixed String	Owning business unit name. Valid characters: A-Z, 0-9, \x20
22012	>PartyExecuting-Trader	Y	6	22	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20
39040	>Pad4	U	4	28	Fixed String	not used

15.2 Basket Trading Response

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10624 (TradeMatchReportAck, MsgType = DD)
39020	Pad2	U	2	6	Fixed String	not used
<ResponseHeader>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Outgoing timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
39040	Pad4	U	4	28	Fixed String	not used
<MessageBody>						
25167	BasketExecID	Y	4	32	unsigned int	System generated transaction ID for a Basket transaction.
571	TradeReportID	N	20	36	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E

15.3 Basket Trading Broadcast

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10625 (TradeMatchReport, MsgType = DC)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	Y	2	28	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 7 = TES Maintenance
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
25161	BasketTrdMatchID	Y	8	40	unsigned int	System defined Basket ID.
60	TransactTime	Y	8	48	UTCTimestamp	Transaction timestamp.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25167	BasketExecID	Y	4	56	unsigned int	System generated transaction ID for a Basket transaction.
1300	MarketSegmentID	Y	4	60	signed int	Product identifier.
200	MaturityMonthYear	Y	4	64	LocalMonth-YearCod	Month year code for expiry YYYYMM
28899	BasketProfileID	N	4	68	unsigned int	ID of the Basket profile, applicable only for Basket of Equity Total Return Futures(TrdType(828)=1010).
25169	NoBasketSideAlloc	Y	2	72	Counter	Number of trade match sides
828	TrdType	Y	2	74	unsigned int	Type of Basket trade. Value: 1010 – Basket of Equity Total Return Futures Value: 1011 – Equity Bespoke Baskets
856	TradeReportType	Y	1	76	unsigned int	Type of Trade Report Value: 0 – Submit Value: 5 – No/Was (Replaced)
25173	BasketTradeReport-Type	Y	1	77	unsigned int	Basket operation Value: 0 – Submit Value: 4 – Addendum Value: 5 – No/Was (Substitute) Value: 19 – Terminate
1011	MessageEventSource	Y	1	78	char	Receiver of a message. Value: I – Broadcast to initiator Value: A – Broadcast to approver
25171	NoBasketRootParty-GrpsBC	Y	1	79	Counter	Number of Basket Root Parties
1889	NoInstrmtMatchSides	Y	1	80	Counter	Number of instrument match sides
31091	BasketAnonymity	N	1	81	unsigned int	Used to indicate anonymized trades in baskets. Value: 0 – No Value: 1 – Yes

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25247	OptionalEarly-TerminationIndicator	N	1	82	unsigned int	Indicates whether the counterparties have the right for early termination. Value: 0 = No; 1 = Yes
25168	BasketTradeReport-Text	N	20	83	Fixed String	User defined text message field. Valid characters: \x01-\x7E
571	TradeReportID	N	20	103	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E
39050	Pad5	U	5	123	Fixed String	not used
<BasketRootPartyGrp> Cardinality: 2-3, Record counter: NoBasketRootPartyGrpsBC						
1122	>RootPartySub-IDType	Y	2	128	unsigned int	RootParty sub-type Value: 4001 = Buyer; 4002 = Seller; 4003 = Broker
22417	>RootPartyContra-Firm	Y	5	130	Fixed String	The identifier of the member counter-party institution. Valid characters: A-Z, 0-9, \x20
22437	>RootPartyContra-Trader	Y	6	135	Fixed String	The identifier of the trader counter-party. Valid characters: A-Z, 0-9, \x20
26162	>BasketSideTrade-ReportID	N	20	141	Fixed String	User defined Basket trade ID. Valid characters: \x01-\x7E
39070	>Pad7	U	7	161	Fixed String	not used
<InstrmtMatchSideGrp> Cardinality: 1-199, Record counter: NoInstrmtMatchSides						
48	>SecurityID	Y	8	0	signed int	Instrument identifier.
31	>LastPx	Y	8	8	PriceType	Price of this fill.
483	>TransBkdTime	N	8	16	UTCTimestamp	Time of Commencement, the time when an Off-Book trade was concluded outside the T7 System.
2589	>RelatedClosePrice	N	8	24	floatDecimal6	User defined index price. To be set for TrdType (1004) Trade at Market [mandatory].
1596	>ClearingTradePrice	N	8	32	PriceType	Price in clearing notation which can be preliminary or final depending on TradeReportType (856).
2489	>PackageID	Y	4	40	unsigned int	Identifier for a T7 Entry Service trade i.e. TES trade ID.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1898	>SideMarket-SegmentID	Y	4	44	signed int	Product ID
1008	>SideTrdSubTyp	Y	2	48	unsigned int	Sub-type of a trade type Value: 2001 = Block Trade; 2004 = Trade at Market
1227	>ProductComplex	Y	1	50	unsigned int	This field qualifies an instrument type on T7. Value: 1 = Simple instrument
1390	>TradePublish-Indicator	Y	1	51	unsigned int	Indicates if a trade should be reported via the market reporting service. Value: 0 = Do not publish trade; 1 = Publish trade
25166	>InstrmtMatchSideID	Y	1	52	unsigned int	ID to map element of InstrmtMatch-SideGrp and BasketSideAllocGrp.
25163	>EffectOnBasket	N	1	53	unsigned int	Transaction effect on a basket. Value: 1 = Add volume; 2 = Remove volume
28583	>TradeReportText	N	20	54	Fixed String	User defined TES ID. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
39060	>Pad6	U	6	74	Fixed String	not used
<BasketSideAllocGrp> Cardinality: 1 - 398, Record counter: NoBasketSideAlloc						
80	>AllocQty	Y	8	0	Qty	Quantity of the particular trade side in the TES trade.
467	>IndividualAllocID	Y	4	8	unsigned int	Unique identifier for a TES trade side.
803	>PartySubIDType	Y	2	12	unsigned int	Party sub-type Value: 14001 = Buyer; 14002 = Seller

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>54</td><td>>Side</td><td>Y</td><td>1</td><td>14</td><td>unsigned int</td><td>Side of the order.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Buy</td></tr><tr><td>2</td><td>Sell</td></tr></table></td></tr>
<tr><td>25166</td><td>>InstrmtMatchSideID</td><td>Y</td><td>1</td><td>15</td><td>unsigned int</td><td>ID to map element of InstrmtMatch-SideGrp and BasketSideAllocGrp.</td></tr>
<tr><td>1840</td><td>>TradeAllocStatus</td><td>Y</td><td>1</td><td>16</td><td>unsigned int</td><td>Status of an allocation in a T7 Entry Service trade.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Pending</td></tr><tr><td>2</td><td>Approved</td></tr><tr><td>3</td><td>Auto Approved</td></tr><tr><td>4</td><td>Uploaded</td></tr><tr><td>5</td><td>Canceled</td></tr><tr><td>7</td><td>Pending Reversal</td></tr><tr><td>8</td><td>Side Approved Reversal</td></tr><tr><td>9</td><td>Reversed</td></tr><tr><td>10</td><td>Cancelled Reversal</td></tr></table></td></tr>
<tr><td>22001</td><td>>PartyExecutingFirm</td><td>Y</td><td>5</td><td>17</td><td>Fixed String</td><td>Owning business unit name.
Valid characters: A-Z, 0-9, \x20</td></tr>
<tr><td>22012</td><td>>PartyExecuting-Trader</td><td>Y</td><td>6</td><td>22</td><td>Fixed String</td><td>Owning user name.
Valid characters: A-Z, 0-9, \x20</td></tr>
<tr><td>39040</td><td>>Pad4</td><td>U</td><td>4</td><td>28</td><td>Fixed String</td><td>not used</td></tr>
</table>

15.4 Approve Basket Broadcast

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10627 (TradeMatchReport, MsgType = DC)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	Y	2	28	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 7 = TES Maintenance
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
25161	BasketTrdMatchID	Y	8	40	unsigned int	System defined Basket ID.
25248	OrigBasketTrdMatchID	N	8	48	unsigned int	System defined Original Basket ID.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
60	TransactTime	Y	8	56	UTCTimestamp	Transaction timestamp.
25167	BasketExecID	Y	4	64	unsigned int	System generated transaction ID for a Basket transaction.
1300	MarketSegmentID	Y	4	68	signed int	Product identifier.
28899	BasketProfileID	N	4	72	unsigned int	ID of the Basket profile, applicable only for Basket of Equity Total Return Futures(TrdType(828)=1010).
828	TrdType	Y	2	76	unsigned int	Type of Basket trade. Value: 1010 – Basket of Equity Total Return Futures Value: 1011 – Equity Bespoke Baskets
25169	NoBasketSideAlloc	Y	2	78	Counter	Number of trade match sides
856	TradeReportType	Y	1	80	unsigned int	Type of Trade Report Value: 2 – Accept
25173	BasketTradeReport-Type	Y	1	81	unsigned int	Basket operation Value: 0 – Submit Value: 4 – Addendum Value: 5 – No/Was (Substitute) Value: 19 – Terminate
25247	OptionalEarly-TerminationIndicator	N	1	82	unsigned int	Indicates whether the counterparties have the right for early termination. Value: 0 – No Value: 1 – Yes
1011	MessageEventSource	Y	1	83	char	Receiver of a message. Value: A – Broadcast to approver
25165	NoBasketRootParty-Grps	Y	1	84	Counter	Number of Basket Root Parties
20007	PartyIDEnteringFirm	Y	1	85	unsigned int	Entering Entity ID. Value: 1 – Participant Value: 2 – Market Supervision

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
22036	PartyEnteringTrader	Y	6	86	Fixed String	The entering user Valid characters: A-Z, 0-9, \x20
25168	BasketTradeReport-Text	N	20	92	Fixed String	User defined text message field. Valid characters: \x01-\x7E
571	TradeReportID	N	20	112	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E
39040	Pad4	U	4	132	Fixed String	not used
<BasketRootPartyGrp> Cardinality: 1 - 2, Record counter: NoBasketRootPartyGrps						
1122	>RootPartySub-IDType	Y	2	136	unsigned int	RootParty sub-type Value: 4001 Buyer; 4002 Seller; 4003 Broker
22417	>RootPartyContra-Firm	Y	5	138	Fixed String	The identifier of the member counter-party institution. Valid characters: A-Z, 0-9, \x20
22437	>RootPartyContra-Trader	Y	6	143	Fixed String	The identifier of the trader counter-party. Valid characters: A-Z, 0-9, \x20
26162	>BasketSideTrade-ReportID	N	20	149	Fixed String	User defined Basket trade ID. Valid characters: \x01-\x7E
39070	>Pad7	U	7	169	Fixed String	not used
<BasketSideAllocExtBCGrp> Cardinality: 1 - 398, Record counter: NoBasketSideAlloc						
80	>AllocQty	Y	8	0	Qty	Quantity of the particular trade side in the TES trade.
48	>SecurityID	Y	8	8	signed int	Instrument identifier.
31	>LastPx	Y	8	16	PriceType	Price of this fill.
483	>TransBkdTime	N	8	24	UTCTimestamp	Time of Commencement, the time when an Off-Book trade was concluded outside the T7 System.
2589	>RelatedClosePrice	N	8	32	floatDecimal6	User defined index price. To be set for TrdType (1004) Trade at Market [mandatory].
2489	>PackageID	Y	4	40	unsigned int	Identifier for a T7 Entry Service trade i.e. TES trade ID.
1898	>SideMarket-SegmentID	Y	4	44	signed int	Product ID
70	>AllocID	Y	4	48	unsigned int	Unique identifier for a TES Trade side.

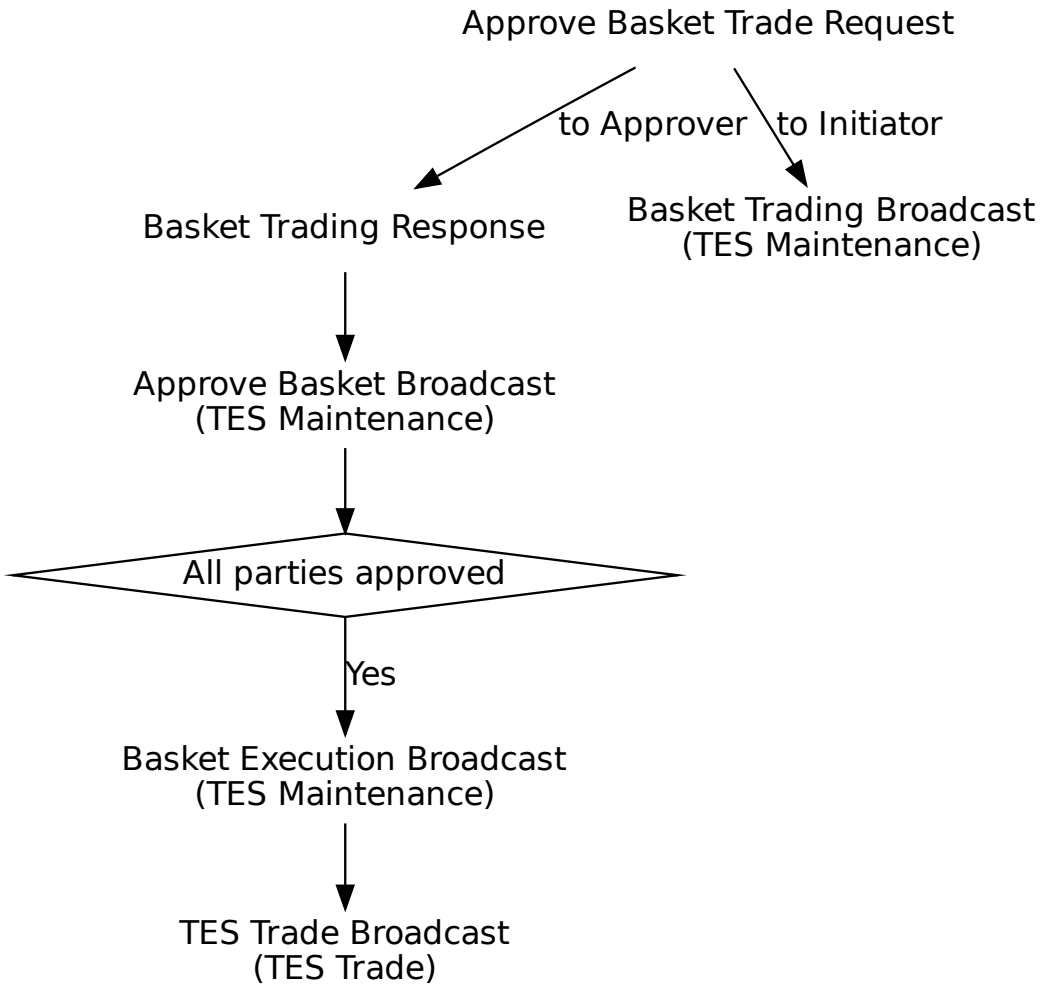
<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1008</td><td>>SideTrdSubTyp</td><td>Y</td><td>2</td><td>52</td><td>unsigned int</td><td>Sub-type of a trade type<table><tr><td>Value</td><td>Description</td></tr><tr><td>2001</td><td>Block Trade</td></tr><tr><td>2004</td><td>Trade at Market</td></tr></table></td></tr>
<tr><td>803</td><td>>PartySubIDType</td><td>Y</td><td>2</td><td>54</td><td>unsigned int</td><td>Party sub-type<table><tr><td>Value</td><td>Description</td></tr><tr><td>14001</td><td>Buyer</td></tr><tr><td>14002</td><td>Seller</td></tr></table></td></tr>
<tr><td>54</td><td>>Side</td><td>Y</td><td>1</td><td>56</td><td>unsigned int</td><td>Side of the order.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Buy</td></tr><tr><td>2</td><td>Sell</td></tr></table></td></tr>
<tr><td>77</td><td>>PositionEffect</td><td>Y</td><td>1</td><td>57</td><td>char</td><td>Field is used for T7 position management purposes and indicates whether the order is submitted to open or close a position.<table><tr><td>Value</td><td>Description</td></tr><tr><td>C</td><td>Close</td></tr><tr><td>O</td><td>Open</td></tr></table></td></tr>
<tr><td>25163</td><td>>EffectOnBasket</td><td>N</td><td>1</td><td>58</td><td>unsigned int</td><td>Transaction effect on a basket.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Add volume</td></tr><tr><td>2</td><td>Remove volume</td></tr></table></td></tr>
<tr><td>1815</td><td>>TradingCapacity</td><td>Y</td><td>1</td><td>59</td><td>unsigned int</td><td>This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Customer (Agency)</td></tr><tr><td>5</td><td>Principal (Proprietary)</td></tr><tr><td>6</td><td>Market Maker</td></tr></table></td></tr>
<tr><td>1840</td><td>>TradeAllocStatus</td><td>Y</td><td>1</td><td>60</td><td>unsigned int</td><td>Status of an allocation in a T7 Entry Service trade.<table><tr><td>Value</td><td>Description</td></tr><tr><td>2</td><td>Approved</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1227	>ProductComplex	Y	1	61	unsigned int	This field qualifies an instrument type on T7. Value: 1 – Simple instrument
1390	>TradePublish-Indicator	Y	1	62	unsigned int	Indicates if a trade should be reported via the market reporting service. Value: 0 – Do not publish trade; 1 – Publish trade
22001	>PartyExecutingFirm	Y	5	63	Fixed String	Owning business unit name. Valid characters: A-Z, 0-9, \x20
22012	>PartyExecuting-Trader	Y	6	68	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20
1	>Account	N	2	74	Fixed String	Accounts to book trades and keep positions on. Valid characters: 1-9, \x41, \x47, \x49, \x4D, \x50, \x52
25007	>FreeText1	N	12	76	Fixed String	First free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25008	>FreeText2	N	12	88	Fixed String	Second free-format text field for trader specific or customer-related comments Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
25009	>FreeText3	N	12	100	Fixed String	Third free-format text field for trader-specific or customer-related comments. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
20096	>PartyIDTakeUp-TradingFirm	N	5	112	Fixed String	Take-up Member Short Name. Valid characters: A-Z, 0-9, \x20
20013	>PartyIDOrder-OriginationFirm	N	7	117	Fixed String	External Member ID. Valid characters: A-Z, 0-9, \x20
20032	>PartyIDBeneficiary	N	9	124	Fixed String	Final Beneficiary. Valid characters: A-Z, 0-9, \x20

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>20038</td><td>>PartyIDPosition-Account</td><td>N</td><td>32</td><td>133</td><td>Fixed String</td><td>'Flexible Account' information.
Valid characters: \x20, \x30-\x39, \x41-\x5A</td></tr>
<tr><td>20075</td><td>>PartyIDLocationID</td><td>N</td><td>2</td><td>165</td><td>Fixed String</td><td>Country code. Will be set to "XX" for non-capital letters.
Valid characters: \x01-\x7E</td></tr>
<tr><td>1031</td><td>>CustOrderHandling-Inst</td><td>N</td><td>1</td><td>167</td><td>Fixed String</td><td>Identifies the source of an order, in accordance with the FIA guidelines for a rate Identifier.The field is for participant use only.
<table>
<tr><th>Value</th><th>Description</th></tr>
<tr><td>W</td><td>Desk</td></tr>
<tr><td>Y</td><td>Electronic</td></tr>
<tr><td>C</td><td>Vendor-provided Platform billed by Executing Broker</td></tr>
<tr><td>G</td><td>Sponsored Access via Exchange API or FIX provided by Executing Broker</td></tr>
<tr><td>H</td><td>Premium Algorithmic Trading Provider billed by Executing Broker</td></tr>
<tr><td>D</td><td>Other, including Other-provided Screen</td></tr>
<tr><td>*</td><td>More values</td></tr>
</table></td></tr>
<tr><td>2404</td><td>>ComplianceText</td><td>N</td><td>20</td><td>168</td><td>Fixed String</td><td>This field is used to provide additional regulatory information (according to respective rules & regs, circulars and/or bilateral coordination between participant and Trading Surveillance Office).
Valid characters: \x20, \x22-\x7B, \x7D, \x7E</td></tr>
<tr><td>39040</td><td>>Pad4</td><td>U</td><td>4</td><td>188</td><td>Fixed String</td><td>not used</td></tr>
</table>

15.5 Approve Basket Trade Request

This message is sent to the service "T7 Entry".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10623 (TradeMatchReport, MsgType = DC)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
25161	BasketTrdMatchID	Y	8	24	unsigned int	System defined Basket ID.
25167	BasketExecID	Y	4	32	unsigned int	System generated transaction ID for a Basket transaction.
1300	MarketSegmentID	Y	4	36	signed int	Product identifier.
1122	RootPartySubIDType	Y	2	40	unsigned int	RootParty sub-type Value: Description 4001: Buyer 4002: Seller
25169	NoBasketSideAlloc	Y	2	42	Counter	Number of trade match sides
828	TrdType	Y	2	44	unsigned int	Type of Basket trade. Value: Description 1010: Basket of Equity Total Return Futures 1011: Equity Bespoke Baskets
856	TradeReportType	Y	1	46	unsigned int	Type of Trade Report Value: Description 2: Accept
25168	BasketTradeReport-Text	N	20	47	Fixed String	User defined text message field. Valid characters: \x01-\x7E
571	TradeReportID	N	20	67	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E
26162	BasketSideTrade-ReportID	N	20	87	Fixed String	User defined Basket trade ID. Valid characters: \x01-\x7E
39050	Pad5	U	5	107	Fixed String	not used
<BasketSideAllocExtGrp> Cardinality: 1 - 398, Record counter: NoBasketSideAlloc						
80	>AllocQty	Y	8	112	Qty	Quantity of the particular trade side in the TES trade.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
20003	>PartyIDClientID	N	8	120	unsigned int	MiFID field: Client Identifier field (ESMA Field 3 (Section A))used to identify the client of an order for agent account of the member or participant of the trading venue. If the Client Identifier field is not provided for agent orders, then they will be rejected. For orders sent with Trading Capacity Proprietary or Market Making, the Client Identifier field may remain empty.
20122	>PartyIdInvestment-DecisionMaker	N	8	128	unsigned int	MiFID field: Investment decision within firm (ESMA Field 4 (Section A)) is the code used to identify the person or the algorithm within the member or participant of the Trading Venue who is responsible for the investment decision.
25123	>ExecutingTrader	N	8	136	unsigned int	MiFID field: Executing Trader data Field(ESMA Field 5 (Section A))used to identify the person or algorithm within the member or participant of the trading venue who is responsible for the execution of the transaction resulting from the order.
2489	>PackageID	Y	4	144	unsigned int	Identifier for a T7 Entry Service trade i.e. TES trade ID.
1898	>SideMarket-SegmentID	Y	4	148	signed int	Product ID
70	>AllocID	Y	4	152	unsigned int	Unique identifier for a TES Trade side.
54	>Side	Y	1	156	unsigned int	Side of the order. Value: 1 = Buy; 2 = Sell
77	>PositionEffect	Y	1	157	char	Field is used for T7 position management purposes and indicates whether the order is submitted to open or close a position. Value: C = Close; O = Open

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1815</td><td>>TradingCapacity</td><td>Y</td><td>1</td><td>158</td><td>unsigned int</td><td>This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Customer (Agency)</td></tr><tr><td>5</td><td>Principal (Proprietary)</td></tr><tr><td>6</td><td>Market Maker</td></tr></table></td></tr>
<tr><td>23002</td><td>>OrderAttribute-LiquidityProvision</td><td>Y</td><td>1</td><td>159</td><td>unsigned int</td><td>MiFID field: Indication as to whether an order is submitted to a Trading Venue as part of a market making strategy.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Liquidity provision</td></tr><tr><td>0</td><td>No liquidity provision</td></tr></table></td></tr>
<tr><td>25124</td><td>>ExecutingTrader-Qualifier</td><td>Y</td><td>1</td><td>160</td><td>unsigned int</td><td>MiFID field: Qualifier for field ExecutingTrader. It is required to distinguish between natural persons and Algos.<table><tr><th>Value</th><th>Description</th></tr><tr><td>22</td><td>Algo</td></tr><tr><td>24</td><td>Human/Natural person</td></tr></table></td></tr>
<tr><td>21222</td><td>>PartyIdInvestment-DecisionMaker-Qualifier</td><td>N</td><td>1</td><td>161</td><td>unsigned int</td><td>MiFID field: Qualifier for field PartyIdInvestmentDecisionMaker. Members/participants will have the possibility to specify an Investment qualifier value to distinguish between natural persons and Algos.<table><tr><th>Value</th><th>Description</th></tr><tr><td>22</td><td>Algo</td></tr><tr><td>24</td><td>Human/Natural person</td></tr></table></td></tr>
</table>

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>23003</td><td>>OrderAttributeRisk-Reduction</td><td>N</td><td>1</td><td>162</td><td>unsigned int</td><td>MiFID field: Indication as to whether the transaction reduces risk in an objectively measurable way in accordance with Article 57 of Directive 2014/EU. The field is only applicable for commodity derivative transactions.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Risk reduction</td></tr><tr><td>0</td><td>No risk reduction</td></tr></table></td></tr>
<tr><td>1724</td><td>>OrderOrigination</td><td>N</td><td>1</td><td>163</td><td>unsigned int</td><td>MiFID field: Field to indicate order received from a direct access or sponsored access customer<table><tr><th>Value</th><th>Description</th></tr><tr><td>5</td><td>Order received from a direct access customer</td></tr><tr><td>105</td><td>Order received from a sponsored access customer</td></tr></table></td></tr>
<tr><td>22001</td><td>>PartyExecutingFirm</td><td>Y</td><td>5</td><td>164</td><td>Fixed String</td><td>Owning business unit name.
Valid characters: A-Z, 0-9, \x20</td></tr>
<tr><td>22012</td><td>>PartyExecuting-Trader</td><td>Y</td><td>6</td><td>169</td><td>Fixed String</td><td>Owning user name.
Valid characters: A-Z, 0-9, \x20</td></tr>
<tr><td>1</td><td>>Account</td><td>N</td><td>2</td><td>175</td><td>Fixed String</td><td>Accounts to book trades and keep positions on.
Valid characters: 1-9, \x41, \x47, \x49, \x4D, \x50, \x52</td></tr>
<tr><td>25007</td><td>>FreeText1</td><td>N</td><td>12</td><td>177</td><td>Fixed String</td><td>First free-format text field for trader specific or customer-related comments
Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E</td></tr>
<tr><td>25008</td><td>>FreeText2</td><td>N</td><td>12</td><td>189</td><td>Fixed String</td><td>Second free-format text field for trader specific or customer-related comments
Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E</td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25009	>FreeText3	N	12	201	Fixed String	Third free-format text field for trader-specific or customer-related comments. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
20096	>PartyIDTakeUp-TradingFirm	N	5	213	Fixed String	Take-up Member Short Name. Valid characters: A-Z, 0-9, \x20
20013	>PartyIDOrder-OriginationFirm	N	7	218	Fixed String	External Member ID. Valid characters: A-Z, 0-9, \x20
20032	>PartyIDBeneficiary	N	9	225	Fixed String	Final Beneficiary. Valid characters: A-Z, 0-9, \x20
20038	>PartyIDPosition-Account	N	32	234	Fixed String	'Flexible Account' information. Valid characters: \x20, \x30-\x39, \x41-\x5A
20075	>PartyIDLocationID	N	2	266	Fixed String	Country code. Will be set to "XX" for non-capital letters. Valid characters: \x01-\x7E
1031	>CustOrderHandling-Inst	N	1	268	Fixed String	Identifies the source of an order, in accordance with the FIA guidelines for a rate Identifier.The field is for participant use only. Value: Description W: Desk Y: Electronic C: Vendor-provided Platform billed by Executing Broker G: Sponsored Access via Exchange API or FIX provided by Executing Broker H: Premium Algorithmic Trading Provider billed by Executing Broker D: Other, including Other-provided Screen *: More values

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
2404	>ComplianceText	N	20	269	Fixed String	This field is used to provide additional regulatory information (according to respective rules & regs, circulars and/or bilateral coordination between participant and Trading Surveillance Office). Valid characters: \x20, \x22-\x7B, \x7D, \x7E
39070	>Pad7	U	7	289	Fixed String	not used

15.6 Basket Execution Broadcast

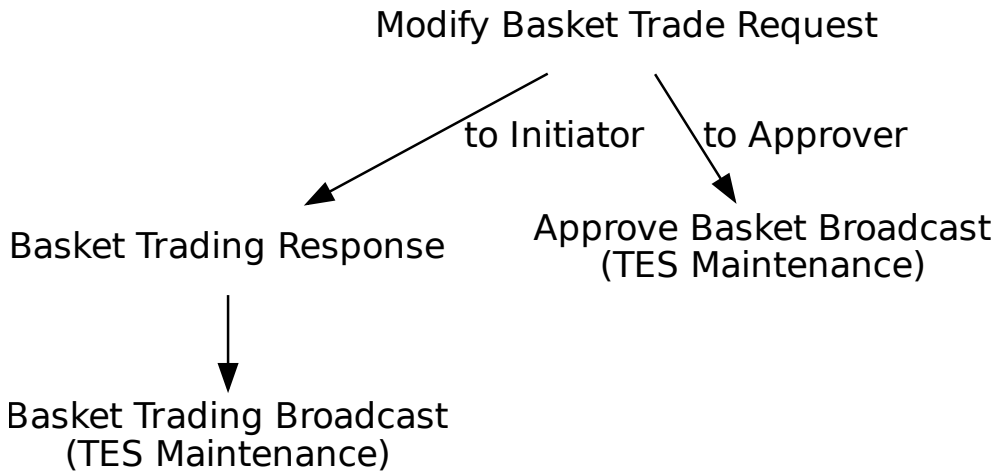
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10628 (TradeMatchReport, MsgType = DC)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	Y	2	28	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 7 = TES Maintenance
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
25161	BasketTrdMatchID	Y	8	40	unsigned int	System defined Basket ID.
25248	OrigBasketTrdMatchID	N	8	48	unsigned int	System defined Original Basket ID.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
60	TransactTime	Y	8	56	UTCTimestamp	Transaction timestamp.
25167	BasketExecID	Y	4	64	unsigned int	System generated transaction ID for a Basket transaction.
1300	MarketSegmentID	Y	4	68	signed int	Product identifier.
28899	BasketProfileID	N	4	72	unsigned int	ID of the Basket profile, applicable only for Basket of Equity Total Return Futures(TrdType(828)=1010).
828	TrdType	Y	2	76	unsigned int	Type of Basket trade. Value: 1010 – Basket of Equity Total Return Futures Value: 1011 – Equity Bespoke Baskets
856	TradeReportType	Y	1	78	unsigned int	Type of Trade Report Value: 2 – Accept
25247	OptionalEarly-TerminationIndicator	N	1	79	unsigned int	Indicates whether the counterparties have the right for early termination. Value: 0 – No Value: 1 – Yes
1889	NoInstrmtMatchSides	Y	1	80	Counter	Number of instrument match sides
1011	MessageEventSource	Y	1	81	char	Receiver of a message. Value: A – Broadcast to approver
26162	BasketSideTrade-ReportID	N	20	82	Fixed String	User defined Basket trade ID. Valid characters: \x01-\x7E
39020	Pad2	U	2	102	Fixed String	not used
<BasketExecGrp> Cardinality: 1-199, Record counter: NoInstrmtMatchSides						
2489	>PackageID	Y	4	104	unsigned int	Identifier for a T7 Entry Service trade i.e. TES trade ID.
1898	>SideMarket-SegmentID	Y	4	108	signed int	Product ID
70	>AllocID	Y	4	112	unsigned int	Unique identifier for a TES Trade side.
1008	>SideTrdSubTyp	Y	2	116	unsigned int	Sub-type of a trade type Value: 2001 – Block Trade Value: 2004 – Trade at Market

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
39020	>Pad2	U	2	118	Fixed String	not used

15.7 Modify Basket Trade Request

This message is sent to the service "T7 Entry".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10621 (TradeMatchReport, MsgType = DC)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
25161	BasketTrdMatchID	Y	8	24	unsigned int	System defined Basket ID.
25167	BasketExecID	Y	4	32	unsigned int	System generated transaction ID for a Basket transaction.
1300	MarketSegmentID	Y	4	36	signed int	Product identifier.
200	MaturityMonthYear	Y	4	40	LocalMonthYearCod	Month year code for expiry YYYYMM

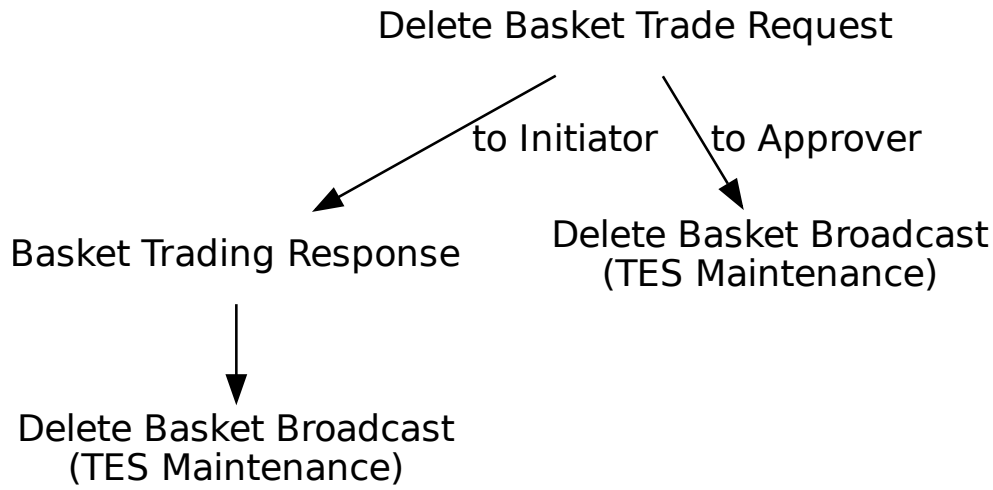
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
28899	BasketProfileID	N	4	44	unsigned int	ID of the Basket profile, applicable only for Basket of Equity Total Return Futures(TrdType(828)=1010).
828	TrdType	Y	2	48	unsigned int	Type of Basket trade. Value: 1010 – Basket of Equity Total Return Futures Value: 1011 – Equity Bespoke Baskets
25169	NoBasketSideAlloc	Y	2	50	Counter	Number of trade match sides
856	TradeReportType	Y	1	52	unsigned int	Type of Trade Report Value: 5 – No/Was (Replaced)
25165	NoBasketRootPartyGrps	Y	1	53	Counter	Number of Basket Root Parties
1889	NoInstrmtMatchSides	Y	1	54	Counter	Number of instrument match sides
25247	OptionalEarlyTerminationIndicator	N	1	55	unsigned int	Indicates whether the counterparties have the right for early termination. Value: 0 – No Value: 1 – Yes
25168	BasketTradeReportText	N	20	56	Fixed String	User defined text message field. Valid characters: \x01-\x7E
571	TradeReportID	N	20	76	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E
<BasketRootPartyGrp> Cardinality: 1-2, Record counter: NoBasketRootPartyGrps						
1122	>RootPartySubIDType	Y	2	96	unsigned int	RootParty sub-type Value: 4001 – Buyer Value: 4002 – Seller
22417	>RootPartyContraFirm	Y	5	98	Fixed String	The identifier of the member counterparty institution. Valid characters: A-Z, 0-9, \x20
22437	>RootPartyContraTrader	Y	6	103	Fixed String	The identifier of the trader counterparty. Valid characters: A-Z, 0-9, \x20
26162	>BasketSideTradeReportID	N	20	109	Fixed String	User defined Basket trade ID. Valid characters: \x01-\x7E

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
39070	>Pad7	U	7	129	Fixed String	not used
<InstrmtMatchSideGrp> Cardinality: 1 - 199, Record counter: NoInstrmtMatchSides						
48	>SecurityID	Y	8	0	signed int	Instrument identifier.
31	>LastPx	Y	8	8	PriceType	Price of this fill.
483	>TransBkdTime	N	8	16	UTCTimestamp	Time of Commencement, the time when an Off-Book trade was concluded outside the T7 System.
2589	>RelatedClosePrice	N	8	24	floatDecimal6	User defined index price. To be set for TrdType (1004) Trade at Market [mandatory].
1596	>ClearingTradePrice	U	8	32	PriceType	not used
2489	>PackageID	N	4	40	unsigned int	Identifier for a T7 Entry Service trade i.e. TES trade ID.
1898	>SideMarket-SegmentID	Y	4	44	signed int	Product ID
1008	>SideTrdSubTyp	Y	2	48	unsigned int	Sub-type of a trade type Value: Description 2001: Block Trade 2004: Trade at Market
1227	>ProductComplex	Y	1	50	unsigned int	This field qualifies an instrument type on T7. Value: Description 1: Simple instrument
1390	>TradePublish-Indicator	Y	1	51	unsigned int	Indicates if a trade should be reported via the market reporting service. Value: Description 0: Do not publish trade 1: Publish trade
25166	>InstrmtMatchSideID	Y	1	52	unsigned int	ID to map element of InstrmtMatch-SideGrp and BasketSideAllocGrp.
25163	>EffectOnBasket	N	1	53	unsigned int	Transaction effect on a basket. Value: Description 1: Add volume 2: Remove volume
28583	>TradeReportText	N	20	54	Fixed String	User defined TES ID. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
39060	>Pad6	U	6	74	Fixed String	not used

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<BasketSideAllocGrp> Cardinality: 1-398, Record counter: NoBasketSideAlloc						
80	>AllocQty	Y	8	0	Qty	Quantity of the particular trade side in the TES trade.
467	>IndividualAllocID	N	4	8	unsigned int	Unique identifier for a TES trade side.
803	>PartySubIDType	Y	2	12	unsigned int	Party sub-type Value: Description 14001: Buyer 14002: Seller
54	>Side	Y	1	14	unsigned int	Side of the order. Value: Description 1: Buy 2: Sell
25166	>InstrmtMatchSideID	Y	1	15	unsigned int	ID to map element of InstrmtMatchSideGrp and BasketSideAllocGrp.
1840	>TradeAllocStatus	U	1	16	unsigned int	not used
22001	>PartyExecutingFirm	Y	5	17	Fixed String	Owning business unit name. Valid characters: A-Z, 0-9, \x20
22012	>PartyExecuting-Trader	Y	6	22	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20
39040	>Pad4	U	4	28	Fixed String	not used

15.8 Delete Basket Trade Request

This message is sent to the service "T7 Entry".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10622 (TradeMatchReport, MsgType = DC)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
25161	BasketTrdMatchID	Y	8	24	unsigned int	System defined Basket ID.
25167	BasketExecID	Y	4	32	unsigned int	System generated transaction ID for a Basket transaction.
1300	MarketSegmentID	Y	4	36	signed int	Product identifier.

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>828</td><td>TrdType</td><td>Y</td><td>2</td><td>40</td><td>unsigned int</td><td>Type of Basket trade.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1010</td><td>Basket of Equity Total Return Futures</td></tr><tr><td>1011</td><td>Equity Bespoke Baskets</td></tr></table></td></tr>
<tr><td>856</td><td>TradeReportType</td><td>Y</td><td>1</td><td>42</td><td>unsigned int</td><td>Type of Trade Report<table><tr><th>Value</th><th>Description</th></tr><tr><td>6</td><td>Trade Report Cancel</td></tr></table></td></tr>
<tr><td>571</td><td>TradeReportID</td><td>N</td><td>20</td><td>43</td><td>Fixed String</td><td>User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E</td></tr>
<tr><td>39000</td><td>Pad1</td><td>U</td><td>1</td><td>63</td><td>Fixed String</td><td>not used</td></tr>
</table>

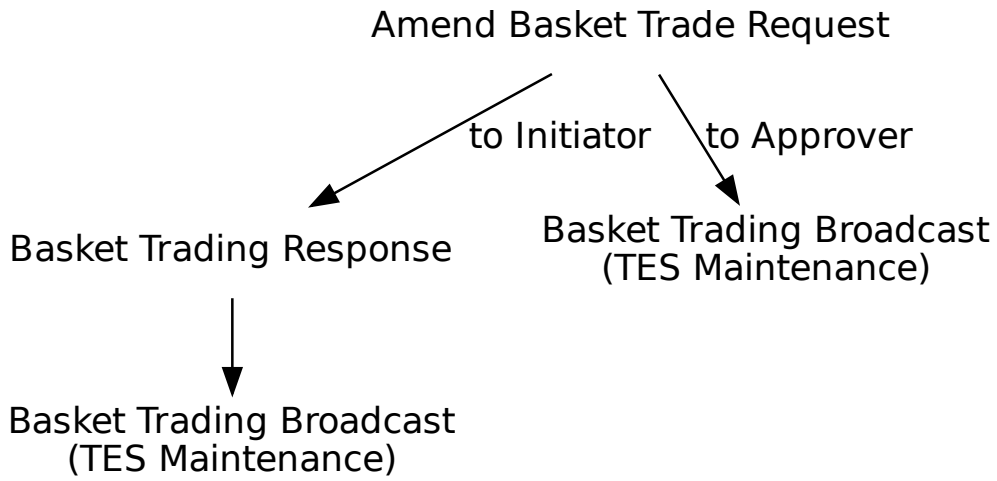
15.9 Delete Basket Broadcast

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10626 (TradeMatchReport, MsgType = DC)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	Y	2	28	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 — False Value: 1 — True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 7 — TES Maintenance
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 — Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
25161	BasketTrdMatchID	Y	8	40	unsigned int	System defined Basket ID.
60	TransactTime	Y	8	48	UTCTimestamp	Transaction timestamp.
1300	MarketSegmentID	Y	4	56	signed int	Product identifier.

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>25167</td><td>BasketExecID</td><td>Y</td><td>4</td><td>60</td><td>unsigned int</td><td>System generated transaction ID for a Basket transaction.</td></tr>
<tr><td>28899</td><td>BasketProfileID</td><td>N</td><td>4</td><td>64</td><td>unsigned int</td><td>ID of the Basket profile, applicable only for Basket of Equity Total Return Futures(TrdType(828)=1010).</td></tr>
<tr><td>828</td><td>TrdType</td><td>Y</td><td>2</td><td>68</td><td>unsigned int</td><td>Type of Basket trade.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1010</td><td>Basket of Equity Total Return Futures</td></tr><tr><td>1011</td><td>Equity Bespoke Baskets</td></tr></table></td></tr>
<tr><td>285</td><td>DeleteReason</td><td>Y</td><td>1</td><td>70</td><td>unsigned int</td><td>Reason for deletion.<table><tr><th>Value</th><th>Description</th></tr><tr><td>100</td><td>Deletion via the TES Delete Request</td></tr><tr><td>101</td><td>Automatic deletion due to TES Activity State Change</td></tr><tr><td>102</td><td>Automatic deletion due to instrument expiration</td></tr><tr><td>103</td><td>Deletion caused by Clearing/Risk stop</td></tr><tr><td>104</td><td>Deletion caused by Trading stop</td></tr><tr><td>105</td><td>Deletion of Instrument</td></tr><tr><td>106</td><td>Suspension of Instrument</td></tr><tr><td>107</td><td>Deletion caused by a pre-trade risk event</td></tr><tr><td>108</td><td>Basket amendment cancelled</td></tr><tr><td>109</td><td>Amendment cancelled by user action</td></tr></table></td></tr>
<tr><td>1011</td><td>MessageEventSource</td><td>Y</td><td>1</td><td>71</td><td>char</td><td>Receiver of a message.<table><tr><th>Value</th><th>Description</th></tr><tr><td>I</td><td>Broadcast to initiator</td></tr><tr><td>A</td><td>Broadcast to approver</td></tr></table></td></tr>
<tr><td>571</td><td>TradeReportID</td><td>N</td><td>20</td><td>72</td><td>Fixed String</td><td>User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E</td></tr>
<tr><td>39040</td><td>Pad4</td><td>U</td><td>4</td><td>92</td><td>Fixed String</td><td>not used</td></tr>
</table>

15.10 Amend Basket Trade Request

This message is sent to the service "T7 Entry".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10629 (TradeMatchReport, MsgType = DC)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
25161	BasketTrdMatchID	Y	8	24	unsigned int	System defined Basket ID.
25167	BasketExecID	Y	4	32	unsigned int	System generated transaction ID for a Basket transaction.
1300	MarketSegmentID	Y	4	36	signed int	Product identifier.
200	MaturityMonthYear	Y	4	40	LocalMonthYearCod	Month year code for expiry YYYYMM

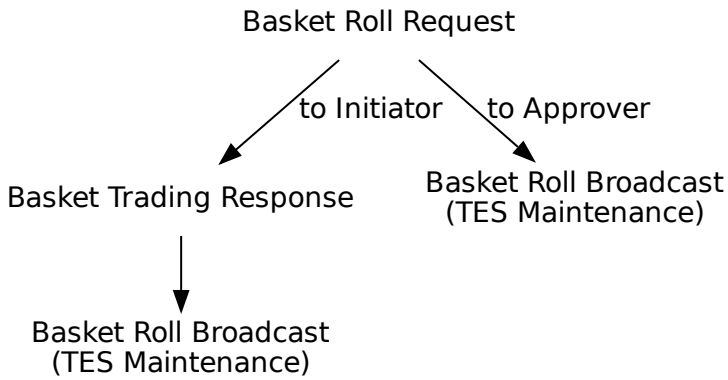
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
28899	BasketProfileID	N	4	44	unsigned int	ID of the Basket profile, applicable only for Basket of Equity Total Return Futures(TrdType(828)=1010).
828	TrdType	Y	2	48	unsigned int	Type of Basket trade. Value: 1010 – Basket of Equity Total Return Futures Value: 1011 – Equity Bespoke Baskets
25169	NoBasketSideAlloc	Y	2	50	Counter	Number of trade match sides
856	TradeReportType	Y	1	52	unsigned int	Type of Trade Report Value: 0 – Submit
25173	BasketTradeReport-Type	Y	1	53	unsigned int	Basket operation Value: 4 – Addendum Value: 5 – No/Was (Substitute) Value: 19 – Terminate
25165	NoBasketRootParty-Grps	Y	1	54	Counter	Number of Basket Root Parties
1889	NoInstrmtMatchSides	Y	1	55	Counter	Number of instrument match sides
25168	BasketTradeReport-Text	N	20	56	Fixed String	User defined text message field. Valid characters: \x01-\x7E
571	TradeReportID	N	20	76	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E
<BasketRootPartyGrp> Cardinality: 1-2, Record counter: NoBasketRootPartyGrps						
1122	>RootPartySub-IDType	Y	2	96	unsigned int	RootParty sub-type Value: 4001 – Buyer Value: 4002 – Seller
22417	>RootPartyContra-Firm	Y	5	98	Fixed String	The identifier of the member counterparty institution. Valid characters: A-Z, 0-9, \x20
22437	>RootPartyContra-Trader	Y	6	103	Fixed String	The identifier of the trader counterparty. Valid characters: A-Z, 0-9, \x20
26162	>BasketSideTrade-ReportID	N	20	109	Fixed String	User defined Basket trade ID. Valid characters: \x01-\x7E

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
39070	>Pad7	U	7	129	Fixed String	not used
<InstrmtMatchSideGrp> Cardinality: 1-199, Record counter: NoInstrmtMatchSides						
48	>SecurityID	Y	8	0	signed int	Instrument identifier.
31	>LastPx	Y	8	8	PriceType	Price of this fill.
483	>TransBkdTime	N	8	16	UTCTimestamp	Time of Commencement, the time when an Off-Book trade was concluded outside the T7 System.
2589	>RelatedClosePrice	N	8	24	floatDecimal6	User defined index price. To be set for TrdType (1004) Trade at Market [mandatory].
1596	>ClearingTradePrice	U	8	32	PriceType	not used
2489	>PackageID	U	4	40	unsigned int	not used
1898	>SideMarket-SegmentID	Y	4	44	signed int	Product ID
1008	>SideTrdSubTyp	Y	2	48	unsigned int	Sub-type of a trade type Value: Description 2001: Block Trade 2004: Trade at Market
1227	>ProductComplex	Y	1	50	unsigned int	This field qualifies an instrument type on T7. Value: Description 1: Simple instrument
1390	>TradePublish-Indicator	Y	1	51	unsigned int	Indicates if a trade should be reported via the market reporting service. Value: Description 0: Do not publish trade 1: Publish trade
25166	>InstrmtMatchSideID	Y	1	52	unsigned int	ID to map element of InstrmtMatch-SideGrp and BasketSideAllocGrp.
25163	>EffectOnBasket	N	1	53	unsigned int	Transaction effect on a basket. Value: Description 1: Add volume 2: Remove volume
28583	>TradeReportText	N	20	54	Fixed String	User defined TES ID. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
39060	>Pad6	U	6	74	Fixed String	not used
<BasketSideAllocGrp> Cardinality: 1-398, Record counter: NoBasketSideAlloc						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
80	>AllocQty	Y	8	0	Qty	Quantity of the particular trade side in the TES trade.
467	>IndividualAllocID	U	4	8	unsigned int	not used
803	>PartySubIDType	Y	2	12	unsigned int	Party sub-type Value: Description 14001: Buyer 14002: Seller
54	>Side	Y	1	14	unsigned int	Side of the order. Value: Description 1: Buy 2: Sell
25166	>InstrmtMatchSideID	Y	1	15	unsigned int	ID to map element of InstrmtMatchSideGrp and BasketSideAllocGrp.
1840	>TradeAllocStatus	U	1	16	unsigned int	not used
22001	>PartyExecutingFirm	Y	5	17	Fixed String	Owning business unit name. Valid characters: A-Z, 0-9, \x20
22012	>PartyExecuting-Trader	Y	6	22	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20
39040	>Pad4	U	4	28	Fixed String	not used

15.11 Basket Roll Request

This message is sent to the service "T7 Entry".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10633 (TradeMatchReport, MsgType = DC)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
1300	MarketSegmentID	Y	4	24	signed int	Product identifier.
28899	BasketProfileID	N	4	28	unsigned int	ID of the Basket profile, applicable only for Basket of Equity Total Return Futures(TrdType(828)=1010).
828	TrdType	Y	2	32	unsigned int	Type of Basket trade. Value: 1010 — Basket of Equity Total Return Futures
25250	NoOldBasketSideAlloc	Y	2	34	Counter	Number of old basket trade match sides

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25252	NoNewBasketSide-Alloc	Y	2	36	Counter	Number of new basket trade match sides
856	TradeReportType	Y	1	38	unsigned int	Type of Trade Report Value: 0 – Submit
25165	NoBasketRootParty-Grps	Y	1	39	Counter	Number of Basket Root Parties
25249	NoOldBasketInstrmt-MatchSides	Y	1	40	Counter	Number of old instrument match sides
25251	NoNewBasketInstrmt-MatchSides	Y	1	41	Counter	Number of new instrument match sides
571	TradeReportID	N	20	42	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E
39020	Pad2	U	2	62	Fixed String	not used
<OldBasketDataGrp>						
25161	BasketTrdMatchID	Y	8	64	unsigned int	System defined Basket ID.
25167	BasketExecID	Y	4	72	unsigned int	System generated transaction ID for a Basket transaction.
571	TradeReportID	N	20	76	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E
200	MaturityMonthYear	Y	4	96	LocalMonth-YearCod	Month year code for expiry YYYYMM
25173	BasketTradeReport-Type	Y	1	100	unsigned int	Basket operation Value: 4 – Addendum Value: 5 – No/Was (Substitute)
25168	BasketTradeReport-Text	N	20	101	Fixed String	User defined text message field. Valid characters: \x01-\x7E
39070	Pad7	U	7	121	Fixed String	not used
<NewBasketDataGrp>						
571	TradeReportID	N	20	128	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E
200	MaturityMonthYear	Y	4	148	LocalMonth-YearCod	Month year code for expiry YYYYMM

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25173	BasketTradeReport-Type	Y	1	152	unsigned int	Basket operation Value: 0 = Submit
25168	BasketTradeReport-Text	N	20	153	Fixed String	User defined text message field. Valid characters: \x01-\x7E
39030	Pad3	U	3	173	Fixed String	not used
<BasketRootPartyGrp> Cardinality: 1-2, Record counter: NoBasketRootPartyGrps						
1122	>RootPartySub-IDType	Y	2	176	unsigned int	RootParty sub-type Value: 4001 = Buyer; 4002 = Seller
22417	>RootPartyContra-Firm	Y	5	178	Fixed String	The identifier of the member counter-party institution. Valid characters: A-Z, 0-9, \x20
22437	>RootPartyContra-Trader	Y	6	183	Fixed String	The identifier of the trader counter-party. Valid characters: A-Z, 0-9, \x20
26162	>BasketSideTrade-ReportID	N	20	189	Fixed String	User defined Basket trade ID. Valid characters: \x01-\x7E
39070	>Pad7	U	7	209	Fixed String	not used
<OldBasketInstrmtMatchSideGrp> Cardinality: 1-199, Record counter: NoOldBasketInstrmtMatchSides						
48	>SecurityID	Y	8	0	signed int	Instrument identifier.
31	>LastPx	Y	8	8	PriceType	Price of this fill.
483	>TransBkdTime	N	8	16	UTCTimestamp	Time of Commencement, the time when an Off-Book trade was concluded outside the T7 System.
2589	>RelatedClosePrice	N	8	24	floatDecimal6	User defined index price. To be set for TrdType (1004) Trade at Market [mandatory].
1596	>ClearingTradePrice	U	8	32	PriceType	not used
2489	>PackageID	U	4	40	unsigned int	not used
1898	>SideMarket-SegmentID	Y	4	44	signed int	Product ID
1008	>SideTrdSubTyp	Y	2	48	unsigned int	Sub-type of a trade type Value: 2001 = Block Trade; 2004 = Trade at Market

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1227	>ProductComplex	Y	1	50	unsigned int	This field qualifies an instrument type on T7. Value: 1 = Simple instrument
1390	>TradePublish-Indicator	Y	1	51	unsigned int	Indicates if a trade should be reported via the market reporting service. Value: 0 = Do not publish trade; 1 = Publish trade
25166	>InstrmtMatchSideID	Y	1	52	unsigned int	ID to map element of InstrmtMatch-SideGrp and BasketSideAllocGrp.
25163	>EffectOnBasket	N	1	53	unsigned int	Transaction effect on a basket. Value: 1 = Add volume; 2 = Remove volume
28583	>TradeReportText	N	20	54	Fixed String	User defined TES ID. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
39060	>Pad6	U	6	74	Fixed String	not used
<NewBasketInstrmtMatchSideGrp> Cardinality: 1-199, Record counter: NoNewBasketInstrmtMatchSides						
48	>SecurityID	Y	8	0	signed int	Instrument identifier.
31	>LastPx	Y	8	8	PriceType	Price of this fill.
483	>TransBkdTime	N	8	16	UTCTimestamp	Time of Commencement, the time when an Off-Book trade was concluded outside the T7 System.
2589	>RelatedClosePrice	N	8	24	floatDecimal6	User defined index price. To be set for TrdType (1004) Trade at Market [mandatory].
1596	>ClearingTradePrice	U	8	32	PriceType	not used
2489	>PackageID	U	4	40	unsigned int	not used
1898	>SideMarket-SegmentID	Y	4	44	signed int	Product ID
1008	>SideTrdSubTyp	Y	2	48	unsigned int	Sub-type of a trade type Value: 2001 = Block Trade; 2004 = Trade at Market

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1227	>ProductComplex	Y	1	50	unsigned int	This field qualifies an instrument type on T7. Value: 1 = Simple instrument
1390	>TradePublish-Indicator	Y	1	51	unsigned int	Indicates if a trade should be reported via the market reporting service. Value: 0 = Do not publish trade; 1 = Publish trade
25166	>InstrmtMatchSideID	Y	1	52	unsigned int	ID to map element of InstrmtMatch-SideGrp and BasketSideAllocGrp.
25163	>EffectOnBasket	N	1	53	unsigned int	Transaction effect on a basket. Value: 1 = Add volume; 2 = Remove volume
28583	>TradeReportText	N	20	54	Fixed String	User defined TES ID. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
39060	>Pad6	U	6	74	Fixed String	not used
<OldBasketSideAllocGrp> Cardinality: 1-398, Record counter: NoOldBasketSideAlloc						
80	>AllocQty	Y	8	0	Qty	Quantity of the particular trade side in the TES trade.
467	>IndividualAllocID	U	4	8	unsigned int	not used
803	>PartySubIDType	Y	2	12	unsigned int	Party sub-type Value: 14001 = Buyer; 14002 = Seller
54	>Side	Y	1	14	unsigned int	Side of the order. Value: 1 = Buy; 2 = Sell

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
77	>PositionEffect	N	1	15	char	Field is used for T7 position management purposes and indicates whether the order is submitted to open or close a position. Value: C = Close; O = Open
25166	>InstrmtMatchSideID	Y	1	16	unsigned int	ID to map element of InstrmtMatchSideGrp and BasketSideAllocGrp.
1840	>TradeAllocStatus	U	1	17	unsigned int	not used
22001	>PartyExecutingFirm	Y	5	18	Fixed String	Owning business unit name. Valid characters: A-Z, 0-9, \x20
22012	>PartyExecuting-Trader	Y	6	23	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20
39030	>Pad3	U	3	29	Fixed String	not used
<NewBasketSideAllocGrp> Cardinality: 1 - 398, Record counter: NoNewBasketSideAlloc						
80	>AllocQty	Y	8	0	Qty	Quantity of the particular trade side in the TES trade.
467	>IndividualAllocID	U	4	8	unsigned int	not used
803	>PartySubIDType	Y	2	12	unsigned int	Party sub-type Value: 14001 = Buyer; 14002 = Seller
54	>Side	Y	1	14	unsigned int	Side of the order. Value: 1 = Buy; 2 = Sell
77	>PositionEffect	N	1	15	char	Field is used for T7 position management purposes and indicates whether the order is submitted to open or close a position. Value: C = Close; O = Open
25166	>InstrmtMatchSideID	Y	1	16	unsigned int	ID to map element of InstrmtMatchSideGrp and BasketSideAllocGrp.
1840	>TradeAllocStatus	U	1	17	unsigned int	not used

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
22001	>PartyExecutingFirm	Y	5	18	Fixed String	Owning business unit name. Valid characters: A-Z, 0-9, \x20
22012	>PartyExecuting-Trader	Y	6	23	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20
39030	>Pad3	U	3	29	Fixed String	not used

15.12 Basket Roll Broadcast

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10634 (TradeMatchReport, MsgType = DC)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	Y	2	28	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 7 = TES Maintenance
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
25167	BasketExecID	Y	4	40	unsigned int	System generated transaction ID for a Basket transaction.
1300	MarketSegmentID	Y	4	44	signed int	Product identifier.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
28899	BasketProfileID	N	4	48	unsigned int	ID of the Basket profile, applicable only for Basket of Equity Total Return Futures(TrdType(828)=1010).
828	TrdType	Y	2	52	unsigned int	Type of Basket trade. Value: 1010 — Basket of Equity Total Return Futures
25250	NoOldBasketSideAlloc	Y	2	54	Counter	Number of old basket trade match sides
25252	NoNewBasketSide-Alloc	Y	2	56	Counter	Number of new basket trade match sides
856	TradeReportType	Y	1	58	unsigned int	Type of Trade Report Value: 0 — Submit Value: 5 — No/Was (Replaced)
1011	MessageEventSource	Y	1	59	char	Receiver of a message. Value: I — Broadcast to initiator Value: A — Broadcast to approver
25171	NoBasketRootParty-GrpsBC	Y	1	60	Counter	Number of Basket Root Parties
25249	NoOldBasketInstrmt-MatchSides	Y	1	61	Counter	Number of old instrument match sides
25251	NoNewBasketInstrmt-MatchSides	Y	1	62	Counter	Number of new instrument match sides
31091	BasketAnonymity	N	1	63	unsigned int	Used to indicate anonymized trades in baskets. Value: 0 — No Value: 1 — Yes
25168	BasketTradeReport-Text	N	20	64	Fixed String	User defined text message field. Valid characters: \x01-\x7E
571	TradeReportID	N	20	84	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E
<OldBasketDataBCGrp>						
60	TransactTime	Y	8	104	UTCTimestamp	Transaction timestamp.
25161	BasketTrdMatchID	Y	8	112	unsigned int	System defined Basket ID.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25248	OrigBasketTrdMatch-ID	N	8	120	unsigned int	System defined Original Basket ID.
200	MaturityMonthYear	Y	4	128	LocalMonth-YearCod	Month year code for expiry YYYYMM
25247	OptionalEarly-TerminationIndicator	Y	1	132	unsigned int	Indicates whether the counterparties have the right for early termination. Value: 0 = No; 1 = Yes
25173	BasketTradeReport-Type	Y	1	133	unsigned int	Basket operation Value: 4 = Addendum; 5 = No/Was (Substitute)
571	TradeReportID	N	20	134	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E
25168	BasketTradeReport-Text	N	20	154	Fixed String	User defined text message field. Valid characters: \x01-\x7E
39020	Pad2	U	2	174	Fixed String	not used
<NewBasketDataBCGrp>						
60	TransactTime	Y	8	176	UTCTimestamp	Transaction timestamp.
25161	BasketTrdMatchID	Y	8	184	unsigned int	System defined Basket ID.
25248	OrigBasketTrdMatch-ID	Y	8	192	unsigned int	System defined Original Basket ID.
200	MaturityMonthYear	Y	4	200	LocalMonth-YearCod	Month year code for expiry YYYYMM
25247	OptionalEarly-TerminationIndicator	Y	1	204	unsigned int	Indicates whether the counterparties have the right for early termination. Value: 0 = No; 1 = Yes
25173	BasketTradeReport-Type	Y	1	205	unsigned int	Basket operation Value: 0 = Submit; 4 = Addendum; 5 = No/Was (Substitute); 19 = Terminate

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
571	TradeReportID	N	20	206	Fixed String	User defined transaction ID. Part of the TES response and TES broadcast. Valid characters: \x01-\x7E
25168	BasketTradeReport-Text	N	20	226	Fixed String	User defined text message field. Valid characters: \x01-\x7E
39020	Pad2	U	2	246	Fixed String	not used
<BasketRootPartyGrp> Cardinality: 2-3, Record counter: NoBasketRootPartyGrpsBC						
1122	>RootPartySub-IDType	Y	2	248	unsigned int	RootParty sub-type Value: 4001 Buyer; 4002 Seller; 4003 Broker
22417	>RootPartyContra-Firm	Y	5	250	Fixed String	The identifier of the member counter-party institution. Valid characters: A-Z, 0-9, \x20
22437	>RootPartyContra-Trader	Y	6	255	Fixed String	The identifier of the trader counter-party. Valid characters: A-Z, 0-9, \x20
26162	>BasketSideTrade-ReportID	N	20	261	Fixed String	User defined Basket trade ID. Valid characters: \x01-\x7E
39070	>Pad7	U	7	281	Fixed String	not used
<OldBasketInstrmtMatchSideGrp> Cardinality: 1-199, Record counter: NoOldBasketInstrmtMatchSides						
48	>SecurityID	Y	8	0	signed int	Instrument identifier.
31	>LastPx	Y	8	8	PriceType	Price of this fill.
483	>TransBkdTime	N	8	16	UTCTimestamp	Time of Commencement, the time when an Off-Book trade was concluded outside the T7 System.
2589	>RelatedClosePrice	N	8	24	floatDecimal6	User defined index price. To be set for TrdType (1004) Trade at Market [mandatory].
1596	>ClearingTradePrice	N	8	32	PriceType	Price in clearing notation which can be preliminary or final depending on TradeReportType (856).
2489	>PackageID	Y	4	40	unsigned int	Identifier for a T7 Entry Service trade i.e. TES trade ID.
1898	>SideMarket-SegmentID	Y	4	44	signed int	Product ID
1008	>SideTrdSubTyp	Y	2	48	unsigned int	Sub-type of a trade type Value: 2001 Block Trade; 2004 Trade at Market

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1227	>ProductComplex	Y	1	50	unsigned int	This field qualifies an instrument type on T7. Value: 1 = Simple instrument
1390	>TradePublish-Indicator	Y	1	51	unsigned int	Indicates if a trade should be reported via the market reporting service. Value: 0 = Do not publish trade; 1 = Publish trade
25166	>InstrmtMatchSideID	Y	1	52	unsigned int	ID to map element of InstrmtMatch-SideGrp and BasketSideAllocGrp.
25163	>EffectOnBasket	N	1	53	unsigned int	Transaction effect on a basket. Value: 1 = Add volume; 2 = Remove volume
28583	>TradeReportText	N	20	54	Fixed String	User defined TES ID. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
39060	>Pad6	U	6	74	Fixed String	not used
<NewBasketInstrmtMatchSideGrp> Cardinality: 1-199, Record counter: NoNewBasketInstrmtMatchSides						
48	>SecurityID	Y	8	0	signed int	Instrument identifier.
31	>LastPx	Y	8	8	PriceType	Price of this fill.
483	>TransBkdTime	N	8	16	UTCTimestamp	Time of Commencement, the time when an Off-Book trade was concluded outside the T7 System.
2589	>RelatedClosePrice	N	8	24	floatDecimal6	User defined index price. To be set for TrdType (1004) Trade at Market [mandatory].
1596	>ClearingTradePrice	N	8	32	PriceType	Price in clearing notation which can be preliminary or final depending on TradeReportType (856).
2489	>PackageID	Y	4	40	unsigned int	Identifier for a T7 Entry Service trade i.e. TES trade ID.
1898	>SideMarket-SegmentID	Y	4	44	signed int	Product ID

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1008	>SideTrdSubTyp	Y	2	48	unsigned int	Sub-type of a trade type Value: 2001 = Block Trade; 2004 = Trade at Market
1227	>ProductComplex	Y	1	50	unsigned int	This field qualifies an instrument type on T7. Value: 1 = Simple instrument
1390	>TradePublish-Indicator	Y	1	51	unsigned int	Indicates if a trade should be reported via the market reporting service. Value: 0 = Do not publish trade; 1 = Publish trade
25166	>InstrmtMatchSideID	Y	1	52	unsigned int	ID to map element of InstrmtMatch-SideGrp and BasketSideAllocGrp.
25163	>EffectOnBasket	N	1	53	unsigned int	Transaction effect on a basket. Value: 1 = Add volume; 2 = Remove volume
28583	>TradeReportText	N	20	54	Fixed String	User defined TES ID. Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E
39060	>Pad6	U	6	74	Fixed String	not used
<OldBasketSideAllocGrp> Cardinality: 1 - 398, Record counter: NoOldBasketSideAlloc						
80	>AllocQty	Y	8	0	Qty	Quantity of the particular trade side in the TES trade.
467	>IndividualAllocID	Y	4	8	unsigned int	Unique identifier for a TES trade side.
803	>PartySubIDType	Y	2	12	unsigned int	Party sub-type Value: 14001 = Buyer; 14002 = Seller
54	>Side	Y	1	14	unsigned int	Side of the order. Value: 1 = Buy; 2 = Sell

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
77	>PositionEffect	N	1	15	char	Field is used for T7 position management purposes and indicates whether the order is submitted to open or close a position. Value: C = Close; O = Open
25166	>InstrmtMatchSideID	Y	1	16	unsigned int	ID to map element of InstrmtMatchSideGrp and BasketSideAllocGrp.
1840	>TradeAllocStatus	Y	1	17	unsigned int	Status of an allocation in a T7 Entry Service trade. Value: 1 = Pending; 2 = Approved; 3 = Auto Approved; 4 = Uploaded; 5 = Canceled; 7 = Pending Reversal; 8 = Side Approved Reversal; 9 = Reversed; 10 = Cancelled Reversal
22001	>PartyExecutingFirm	Y	5	18	Fixed String	Owning business unit name. Valid characters: A-Z, 0-9, \x20
22012	>PartyExecuting-Trader	Y	6	23	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20
39030	>Pad3	U	3	29	Fixed String	not used
<NewBasketSideAllocGrp> Cardinality: 1 - 398, Record counter: NoNewBasketSideAlloc						
80	>AllocQty	Y	8	0	Qty	Quantity of the particular trade side in the TES trade.
467	>IndividualAllocID	Y	4	8	unsigned int	Unique identifier for a TES trade side.
803	>PartySubIDType	Y	2	12	unsigned int	Party sub-type Value: 14001 = Buyer; 14002 = Seller
54	>Side	Y	1	14	unsigned int	Side of the order. Value: 1 = Buy; 2 = Sell

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
77	>PositionEffect	N	1	15	char	Field is used for T7 position management purposes and indicates whether the order is submitted to open or close a position. Value: C – Close; O – Open
25166	>InstrmtMatchSideID	Y	1	16	unsigned int	ID to map element of InstrmtMatchSideGrp and BasketSideAllocGrp.
1840	>TradeAllocStatus	Y	1	17	unsigned int	Status of an allocation in a T7 Entry Service trade. Value: 1 – Pending; 2 – Approved; 3 – Auto Approved; 4 – Uploaded; 5 – Canceled; 7 – Pending Reversal; 8 – Side Approved Reversal; 9 – Reversed; 10 – Cancelled Reversal
22001	>PartyExecutingFirm	Y	5	18	Fixed String	Owning business unit name. Valid characters: A-Z, 0-9, \x20
22012	>PartyExecuting-Trader	Y	6	23	Fixed String	Owning user name. Valid characters: A-Z, 0-9, \x20
39030	>Pad3	U	3	29	Fixed String	not used

16 Other

16.1 Trade Notification

The Trade Notification message is the legally binding confirmation for a trade. For more details, please refer to the ETI Manual, chapter Trade Notifications.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10500 (TradeCaptureReport, MsgType = AE)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	Y	2	28	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 1 = Trade
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
48	SecurityID	Y	8	40	signed int	Instrument identifier.
1650	RelatedSecurityID	N	8	48	signed int	Instrument identifier of the original T7 strategy.
44	Price	N	8	56	PriceType	Limit price. Required if OrdType (40) is Limit (2) or Stop Limit (4).
31	LastPx	Y	8	64	PriceType	Price of this fill.
32	LastQty	Y	8	72	Qty	Quantity executed in this fill.
28585	SideLastPx	N	8	80	PriceType	Fill price for the original T7 strategy.
1009	SideLastQty	N	8	88	Qty	Fill quantity for the original T7 strategy.
1596	ClearingTradePrice	N	8	96	PriceType	Price in clearing notation which can be preliminary or final depending on TradeReportType (856).
28736	ClearingTradeQty	N	8	104	Qty	Quantity in clearing notation.
60	TransactTime	Y	8	112	UTCTimestamp	Transaction timestamp.
37	OrderID	N	8	120	unsigned int	Exchange Order ID generated by the T7 System.
11	ClOrdID	N	8	128	unsigned int	Client Order ID: Unique participant defined order request identifier. For quotes the QuoteMsgID (1166) is provided in the trade notification.
151	LeavesQty	N	8	136	Qty	Remaining quantity of the order at the time of the execution.If the order has been executed partially this field contains the non-executed quantity.A remaining size of 0 indicates that the order is fully matched or no longer active.
14	CumQty	N	8	144	Qty	Cumulated executed quantity of an order.
20403	RootPartyIDClientID	N	8	152	unsigned int	MiFID field: Client Identifier field (ESMA Field 3 (Section A))used to identify the client of an order for agent account of the member or participant of the trading venue.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
25123	ExecutingTrader	N	8	160	unsigned int	MiFID field: Executing Trader data Field(ESMA Field 5 (Section A))used to identify the person or algorithm within the member or participant of the trading venue who is responsible for the execution of the transaction resulting from the order.
20522	RootParty-IDInvestmentDecision-Maker	N	8	168	unsigned int	MiFID field: Investment decision within firm (ESMA Field 4 (Section A)) is the code used to identify the person or the algorithm within the member or participant of the Trading Venue who is responsible for the investment decision.
810	UnderlyingPx	N	8	176	PriceType	Underlying price associated with a derivative instrument.
1003	TradeID	Y	4	184	unsigned int	Uniquely identifies all order leg allocations referring to the same match event, simple instrument and price.
1126	OrigTradeID	N	4	188	unsigned int	In case of a trade reversal/modification this field provides the original trade identifier.
2424	MassOrderReportID	N	4	192	unsigned int	Mass order response identifier generated by the exchange
20459	RootParty-IDExecutingUnit	Y	4	196	unsigned int	Business Unit ID.
20455	RootPartyIDSessionID	N	4	200	unsigned int	Session ID.
20412	RootParty-IDExecutingTrader	N	4	204	unsigned int	Owning User ID.
25026	RootPartyIDClearing-Unit	N	4	208	unsigned int	Clearing Business Unit ID.
1300	MarketSegmentID	Y	4	212	signed int	Product identifier.
1649	RelatedSymbol	N	4	216	signed int	Product identifier of the original T7 strategy.
1506	SideTradeID	Y	4	220	unsigned int	Private trade identifier of an order or quote match step.
28582	MatchDate	Y	4	224	LocalMktDate	Business day of the match event.
880	TrdMatchID	Y	4	228	unsigned int	Unique identifier for each price level (match step) of a match event; it is used for public trade reporting.
1851	StrategyLinkID	N	4	232	unsigned int	Identifier that links all trades resulting from a match step of a strategy order.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
748	TotNumTradeReports	N	4	236	signed int	Number of leg executions of the original strategy order.
762	SecuritySubType	N	4	240	signed int	Sub-type qualification/identification of the SecurityType
442	MultiLegReporting-Type	N	1	244	unsigned int	Indicates if the trade resulted from a single order or a multi leg instrument. Value: 1 = Single instrument; 2 = Complex instrument
856	TradeReportType	Y	1	245	unsigned int	Type of Trade Report Value: 0 = Submit; 1 = Alleged; 5 = No/Was (Replaced); 7 = (Locked-In) Trade Break
830	TransferReason	Y	1	246	unsigned int	Identifies the role for which the trade notification is received. Value: 1 = Owner; 2 = Clearer
20432	RootParty-IDBeneficiary	N	9	247	Fixed String	Final Beneficiary. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
20496	RootPartyIDTakeUp-TradingFirm	N	5	256	Fixed String	Take-up Member Short Name. Valid characters: A-Z, 0-9, \x20
20413	RootPartyIDOrder-OriginationFirm	N	7	261	Fixed String	External Member ID. Valid characters: A-Z, 0-9, \x20

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>574</td><td>MatchType</td><td>N</td><td>1</td><td>268</td><td>unsigned int</td><td>The point in the matching process at which this trade was matched. The value 3 (reporting from recognized markets) represents trades entered by Market Supervision.<table><tr><td>Value</td><td>Description</td></tr><tr><td>3</td><td>Confirmed Trade Report (reporting from recognized markets)</td></tr><tr><td>4</td><td>Auto-match incoming order</td></tr><tr><td>5</td><td>Cross Auction</td></tr><tr><td>7</td><td>Call Auction</td></tr><tr><td>11</td><td>Auto match resting order</td></tr><tr><td>13</td><td>Liquidity Improvement Cross</td></tr></table></td></tr>
<tr><td>28610</td><td>MatchSubType</td><td>N</td><td>1</td><td>269</td><td>unsigned int</td><td>Indicates the auction type the trade originates from.Not filled for uncrossing, i.e.when a complex instrument switches to the instrument state "Continuous".<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Opening auction</td></tr><tr><td>2</td><td>Closing auction</td></tr><tr><td>3</td><td>Intraday auction</td></tr><tr><td>4</td><td>Circuit Breaker auction</td></tr><tr><td>6</td><td>CLIP matching outside BBO</td></tr></table></td></tr>
<tr><td>54</td><td>Side</td><td>Y</td><td>1</td><td>270</td><td>unsigned int</td><td>Side of the trade. Leg executions of sell orders for complex instruments will have an inverted value compared to the signature.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Buy</td></tr><tr><td>2</td><td>Sell</td></tr></table></td></tr>
</table>

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1444</td><td>SideLiquidityInd</td><td>N</td><td>1</td><td>271</td><td>unsigned int</td><td>Order initiator is passive or aggressive or other<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Added liquidity (passive)</td></tr><tr><td>2</td><td>Removed liquidity (aggressive, includes triggered orders)</td></tr><tr><td>4</td><td>Auction</td></tr></table></td></tr>
<tr><td>1815</td><td>TradingCapacity</td><td>Y</td><td>1</td><td>272</td><td>unsigned int</td><td>This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Customer (Agency)</td></tr><tr><td>5</td><td>Principal (Proprietary)</td></tr><tr><td>6</td><td>Market Maker</td></tr></table></td></tr>
<tr><td>1724</td><td>OrderOrigination</td><td>N</td><td>1</td><td>273</td><td>unsigned int</td><td>MiFID field: Field to indicate order received from a direct access or sponsored access customer<table><tr><td>Value</td><td>Description</td></tr><tr><td>5</td><td>Order received from a direct access customer</td></tr><tr><td>105</td><td>Order received from a sponsored access customer</td></tr></table></td></tr>
<tr><td>23002</td><td>OrderAttribute-LiquidityProvision</td><td>N</td><td>1</td><td>274</td><td>unsigned int</td><td>MiFID field: Indication as to whether an order is submitted to a Trading Venue as part of a market making strategy.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Liquidity provision</td></tr><tr><td>0</td><td>No liquidity provision</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
23003	OrderAttributeRisk-Reduction	N	1	275	unsigned int	MiFID field: Indication as to whether the transaction reduces risk in an objectively measurable way in accordance with Article 57 of Directive 2014/EU. The field is only applicable for commodity derivative transactions. Value: 1 – Risk reduction; 0 – No risk reduction
25124	ExecutingTrader-Qualifier	N	1	276	unsigned int	MiFID field: Qualifier for field ExecutingTrader. It is required to distinguish between natural persons and Algos. Value: 22 – Algo; 24 – Human/Natural person
21622	RootParty-IDInvestmentDecision-MakerQualifier	N	1	277	unsigned int	MiFID field: Qualifier for field PartyIdInvestmentDecisionMaker. Members/participants will have the possibility to specify an Investment qualifier value to distinguish between natural persons and Algos. Value: 22 – Algo; 24 – Human/Natural person
1	Account	N	2	278	Fixed String	Accounts to book trades and keep positions on. Valid characters: 1-9, \x41, \x47, \x49, \x4D, \x50, \x52
20438	RootPartyIDPosition-Account	N	32	280	Fixed String	'Flexible Account' information. Valid characters: \x20, \x30-\x39, \x41-\x5A

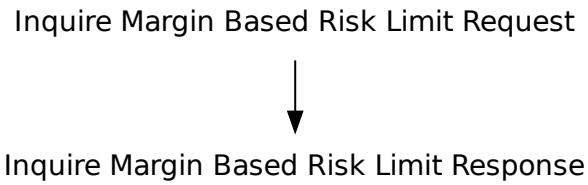
<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>77</td><td>PositionEffect</td><td>N</td><td>1</td><td>312</td><td>char</td><td>Field is used for T7 position management purposes and indicates whether the order is submitted to open or close a position.<table><tr><td>Value</td><td>Description</td></tr><tr><td>C</td><td>Close</td></tr><tr><td>O</td><td>Open</td></tr></table></td></tr>
<tr><td>1031</td><td>CustOrderHandling-Inst</td><td>N</td><td>1</td><td>313</td><td>Fixed String</td><td>Identifies the source of an order, in accordance with the FIA guidelines for a rate Identifier.The field is for participant use only.<table><tr><td>Value</td><td>Description</td></tr><tr><td>W</td><td>Desk</td></tr><tr><td>Y</td><td>Electronic</td></tr><tr><td>C</td><td>Vendor-provided Platform billed by Executing Broker</td></tr><tr><td>G</td><td>Sponsored Access via Exchange API or FIX provided by Executing Broker</td></tr><tr><td>H</td><td>Premium Algorithmic Trading Provider billed by Executing Broker</td></tr><tr><td>D</td><td>Other, including Other-provided Screen</td></tr><tr><td>*</td><td>More values</td></tr></table></td></tr>
<tr><td>25007</td><td>FreeText1</td><td>N</td><td>12</td><td>314</td><td>Fixed String</td><td>First free-format text field for trader specific or customer-related comments
Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E</td></tr>
<tr><td>25008</td><td>FreeText2</td><td>N</td><td>12</td><td>326</td><td>Fixed String</td><td>Second free-format text field for trader specific or customer-related comments
Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E</td></tr>
</table>

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>25009</td><td>FreeText3</td><td>N</td><td>12</td><td>338</td><td>Fixed String</td><td>Third free-format text field for trader-specific or customer-related comments.
Valid characters: \x20, \x23-\x25, \x28-\x2A, \x2C-\x3B, \x3F, \x41-\x5F, \x61-\x7B, \x7D, \x7E</td></tr>
<tr><td>1115</td><td>OrderCategory</td><td>N</td><td>1</td><td>350</td><td>char</td><td>Indicates if the trade notification results from an order or quote.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Order</td></tr><tr><td>2</td><td>Quote</td></tr></table></td></tr>
<tr><td>40</td><td>OrdType</td><td>N</td><td>1</td><td>351</td><td>unsigned int</td><td>Order type.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Market</td></tr><tr><td>2</td><td>Limit</td></tr></table></td></tr>
<tr><td>28587</td><td>RelatedProduct-Complex</td><td>N</td><td>1</td><td>352</td><td>unsigned int</td><td>Instrument type of the orginal T7 strategy.<table><tr><td>Value</td><td>Description</td></tr><tr><td>2</td><td>Standard Option Strategy</td></tr><tr><td>3</td><td>Non-Standard Option Strategy</td></tr><tr><td>4</td><td>Volatility Strategy</td></tr><tr><td>5</td><td>Futures Spread</td></tr><tr><td>6</td><td>Inter-Product Spread</td></tr><tr><td>7</td><td>Standard Future Strategy</td></tr><tr><td>8</td><td>Pack and Bundle</td></tr><tr><td>9</td><td>Strip</td></tr><tr><td>11</td><td>Commodity Strip</td></tr><tr><td>12</td><td>Scaled Simple Instrument</td></tr><tr><td>13</td><td>Non-Standard Volatility Strategy</td></tr><tr><td>14</td><td>Total Return Future Strategy</td></tr></table></td></tr>
<tr><td>28586</td><td>OrderSide</td><td>N</td><td>1</td><td>353</td><td>unsigned int</td><td>Side of the order in the original T7 strategy.<table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Buy</td></tr><tr><td>2</td><td>Sell</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
22421	RootPartyClearing-Organization	Y	4	354	Fixed String	Clearing House Short Name. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
22401	RootPartyExecuting-Firm	Y	5	358	Fixed String	Participant Short Name. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
22412	RootPartyExecuting-Trader	N	6	363	Fixed String	Owning User Short Name. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
22404	RootPartyClearing-Firm	N	5	369	Fixed String	Clearing Member Short Name. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
1903	RegulatoryTradeID	N	52	374	Fixed String	TVTIC - Trading Venue Transaction Identification Code Valid characters: 0-9, A-Z, a-z, \x20
20473	RootParty-IDExecutionVenue	N	4	426	Fixed String	Market Segment Identification Code Valid characters: \x20, \x22-\x7B, \x7D, \x7E
32999	FeeIdntCode	N	15	430	Fixed String	This field indicates the Fee Code associated with the transaction. Valid characters: \x41-\x45, \x47, \x4B, \x4D, \x4E, \x50, \x52, \x53, \x54, \x56, \x57, \x58
39030	Pad3	U	3	445	Fixed String	not used

16.2 Inquire Margin Based Risk Limit Request

Inquires the remaining risk allowance base limit for a member (only for Nodal Exchange). This message is sent to the service "Order and Quote Management".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10323 (PartyRiskLimitsRequest, MsgType = CL)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
5948	PartitionID	Y	2	24	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
22259	PartyDetailExecutingUnit	N	5	26	Fixed String	Detail BusinessUnit name Valid characters: A-Z, 0-9, \x20
39000	Pad1	U	1	31	Fixed String	not used

16.3 Inquire Margin Based Risk Limit Response

Response with the remaining risk allowance base limit for a member (only for Nodal Exchange).

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10324 (PartyRiskLimitsReport, MsgType = CM)
39020	Pad2	U	2	6	Fixed String	not used
<NRResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	N	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	N	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
893	LastFragment	Y	1	52	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 0 – Not Last Message Value: 1 – Last Message
39030	Pad3	U	3	53	Fixed String	not used
<MessageBody>						
36531	MarginBasedRiskLimitLong	Y	8	56	float	Margin Based Risk Limit Short.
37531	MarginBasedRiskLimitShort	Y	8	64	float	Margin Based Risk Limit Short.

16.4 Status Broadcast

Status Broadcast for Start-of-Day and End-of-Day

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10045 (TradingSessionStatus, MsgType = h)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	Y	2	28	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 2 = News; 6 = Risk Control
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
75	TradeDate	N	4	40	LocalMktDate	Business date.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1368	TradSesEvent	Y	1	44	unsigned int	Trading session event type. Value: 101 – Start of Service; 104 – End of Service
39030	Pad3	U	3	45	Fixed String	not used

16.5 Trade Notification Status

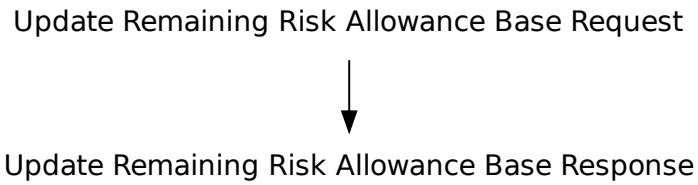
This message informs about the end of the Trade Notification stream for the respective business day.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10501 (TradingSessionStatus, MsgType = h)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	Y	2	28	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 1 = Trade
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1368	TradSesEvent	Y	1	40	unsigned int	Trading session event type. Value: 104 — End of Service
39070	Pad7	U	7	41	Fixed String	not used

16.6 Update Remaining Risk Allowance Base Request

Updates the remaining risk allowance base for up to 1000 members at once (only for Nodal Exchange). This message is sent to the service "Order and Quote Management".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10325 (PartyRiskLimitsDefinitionRequest, MsgType = CS)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
5948	PartitionID	Y	2	24	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1677	NoPartyRiskLimits	Y	2	26	Counter	Number of party risk limits
39040	Pad4	U	4	28	Fixed String	not used
<RRAUpdateBasePartyGrp> Cardinality: 0-1000, Record counter: NoPartyRiskLimits						
34531	>RemainingRisk-AllowanceBaseLong	Y	8	32	float	Remaining Risk Allowance Base Long.
35531	>RemainingRisk-AllowanceBaseShort	Y	8	40	float	Remaining Risk Allowance Base Short.
1670	>RiskLimitID	Y	4	48	unsigned int	Identifier of the last Remaining Risk Allowance event
22259	>PartyDetail-ExecutingUnit	Y	5	52	Fixed String	Detail BusinessUnit name Valid characters: A-Z, 0-9, \x20

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
39070	>Pad7	U	7	57	Fixed String	not used

16.7 Update Remaining Risk Allowance Base Response

Acknowledgment for the update of the remaining risk allowance base for up to 1000 members at once (only for Nodal Exchange).

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10326 (PartyRiskLimitsDefinitionRequestAck, MsgType = CT)
39020	Pad2	U	2	6	Fixed String	not used
<NRResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	N	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	N	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
893	LastFragment	Y	1	52	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 0 – Not Last Message Value: 1 – Last Message
39030	Pad3	U	3	53	Fixed String	not used
<MessageBody>						
1677	NoPartyRiskLimits	Y	2	56	Counter	Number of party risk limits
39060	Pad6	U	6	58	Fixed String	not used
<RRAUpdateBasePartyAckGrp> Cardinality: 0-1000, Record counter: NoPartyRiskLimits						
22259	>PartyDetail-ExecutingUnit	Y	5	64	Fixed String	Detail BusinessUnit name Valid characters: A-Z, 0-9, \x20
39000	>Pad1	U	1	69	Fixed String	not used

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1764</td><td>>RiskLimitResult</td><td>Y</td><td>2</td><td>70</td><td>unsigned int</td><td>Risk Limit Result for failed events<table><tr><td>Value</td><td>Description</td></tr><tr><td>10580</td><td>Margin Based Risk Limits not enabled for business unit</td></tr><tr><td>10581</td><td>Received Remaining Risk Allowance event ID is lower than lowest entry in Temporary Transaction List</td></tr><tr><td>10582</td><td>Received Remaining Risk Allowance event ID exceeds last entry in Temporary Transaction List</td></tr></table></td></tr>
</table>

16.8 Trading Session Event

For more details, please refer to the ETI Manual, chapter Trading Session Events.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10307 (TradingSessionStatus, MsgType = h)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeaderME>						
21003	TrdRegTSTimeOut	N	8	8	UTCTimestamp	Matching engine out timestamp.
25043	NotificationIn	N	8	16	UTCTimestamp	Timestamp the gateway receives a notification message from the Matching Engine.
52	SendingTime	Y	8	24	UTCTimestamp	Outgoing timestamp; filled always by the gateway
28727	ApplSubID	N	4	32	unsigned int	Only set for Listener Data.
5948	PartitionID	Y	2	36	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
28704	ApplMsgID	Y	16	38	data	Application message identifier assigned to an order or quote event.
1180	ApplID	Y	1	54	unsigned int	Identifier for an ETI data stream. Value: 4 — Session Data Value: 5 — Listener Data
1352	ApplResendFlag	Y	1	55	unsigned int	Indicates a retransmission message. Value: 0 — False Value: 1 — True
893	LastFragment	Y	1	56	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 — Last Message
39070	Pad7	U	7	57	Fixed String	not used
<MessageBody>						
1300	MarketSegmentID	N	4	64	signed int	Product identifier.

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>75</td><td>TradeDate</td><td>N</td><td>4</td><td>68</td><td>LocalMktDate</td><td>Business date.</td></tr>
<tr><td>1368</td><td>TradSesEvent</td><td>Y</td><td>1</td><td>72</td><td>unsigned int</td><td>Trading session event type.
<table><tr><th>Value</th><th>Description</th></tr><tr><td>101</td><td>Start of Service</td></tr><tr><td>102</td><td>Market Reset</td></tr><tr><td>103</td><td>End of Restatement</td></tr><tr><td>104</td><td>End of Service</td></tr><tr><td>105</td><td>Service Resumed</td></tr></table></td></tr>
<tr><td>28722</td><td>RefApplLastMsgID</td><td>N</td><td>16</td><td>73</td><td>data</td><td>Last persisted application message identifier in case of a Market Reset event.</td></tr>
<tr><td>39070</td><td>Pad7</td><td>U</td><td>7</td><td>89</td><td>Fixed String</td><td>not used</td></tr>
</table>

16.9 Mass Cancellation Event

This message informs about the cancellation of orders and/or quotes because of a system event. While Quotes are always deleted, the deletion of orders (Standard/Lean) is indicated by the ExecInst (18) field.

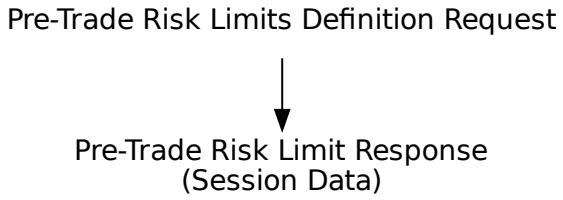
For more details, please refer to the ETI Manual, chapter Mass Cancellation Events.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10308 (OrderMassActionReport, MsgType = BZ)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeaderME>						
21003	TrdRegTSTimeOut	N	8	8	UTCTimestamp	Matching engine out timestamp.
25043	NotificationIn	N	8	16	UTCTimestamp	Timestamp the gateway receives a notification message from the Matching Engine.
52	SendingTime	Y	8	24	UTCTimestamp	Outgoing timestamp; filled always by the gateway
28727	ApplSubID	N	4	32	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	Y	2	36	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
28704	ApplMsgID	N	16	38	data	Application message identifier assigned to an order or quote event.
1180	ApplID	Y	1	54	unsigned int	Identifier for an ETI data stream. Value: 4 – Session Data Value: 5 – Listener Data
1352	ApplResendFlag	Y	1	55	unsigned int	Indicates a retransmission message. Value: 0 – False Value: 1 – True

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
893	LastFragment	Y	1	56	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 — Last Message
39070	Pad7	U	7	57	Fixed String	not used
<MessageBody>						
1369	MassActionReportID	Y	8	64	UTCTimestamp	Transaction timestamp.
48	SecurityID	N	8	72	signed int	Instrument identifier.
1300	MarketSegmentID	Y	4	80	signed int	Product identifier.
28721	MassActionReason	Y	1	84	unsigned int	Reason for mass cancellation. 105 — Product State Halt 106 — Product State Holiday 107 — Instrument Suspended 109 — Complex Instrument Deletion 110 — Volatility Interruption 111 — Product temporarily not tradeable 121 — Scaled Simple Instrument Deletion
18	ExecInst	N	1	85	unsigned int	Cancellation scope for orders. Quotes are always cancelled by Mass Cancellation Events.'No value' indicates no order cancellation. 1 — Persistent Order (FIX value 'H') 2 — Non-persistent Order (FIX value 'Q') 3 — Persistent and non-persistent orders affected (FIX value 'H Q')
39020	Pad2	U	2	86	Fixed String	not used

16.10 Pre-Trade Risk Limits Definition Request

The Pre-Trade Risk Limits (PTRL) calculate in real-time how much of a given limit has already been consumed by incoming transactions and executions throughout the trading day. The limit can be set with this request. This message is sent to the service "Order and Quote Management".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10312 (PartyRiskLimitsRequest, MsgType = CL)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
25205	NettingCoefficient	N	8	24	floatDecimal4	Weighting factor used in the Extended PTRL consumption calculation. Default value is 10000 for trading members and 0 for clearing members.
1300	MarketSegmentID	Y	4	32	signed int	Product identifier.
1533	RiskLimitPlatform	Y	1	36	unsigned int	Scope for Pre-Trade risk limits Value: 0 = On-Book; 1 = Off-Book(TES)
31669	NoRiskLimitsQty	Y	1	37	Counter	

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>1672</td><td>PartyDetailStatus</td><td>N</td><td>1</td><td>38</td><td>unsigned int</td><td>Member status.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Active</td></tr><tr><td>1</td><td>Suspend</td></tr></table></td></tr>
<tr><td>31763</td><td>RiskLimitGroupStatus</td><td>N</td><td>1</td><td>39</td><td>unsigned int</td><td>RiskLimitGroup status.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Active</td></tr><tr><td>1</td><td>Suspend</td></tr></table></td></tr>
<tr><td>28775</td><td>RiskLimitGroup</td><td>N</td><td>3</td><td>40</td><td>Fixed String</td><td>User Pre-Trade risk group.
Valid characters: A-Z, 0-9, \x20</td></tr>
<tr><td>22259</td><td>PartyDetailExecuting-Unit</td><td>N</td><td>5</td><td>43</td><td>Fixed String</td><td>Detail BusinessUnit name
Valid characters: A-Z, 0-9, \x20</td></tr>
<tr><td colspan="7"><RiskLimitQtyGrp> Cardinality: 0-2, Record counter: NoRiskLimitsQty</td></tr>
<tr><td>28777</td><td>>RiskLimitQty</td><td>N</td><td>8</td><td>48</td><td>Qty</td><td>Risk limit quantity - Special cases: leave empty for delete/reset limit, set 0 for no further trading</td></tr>
<tr><td>1530</td><td>>RiskLimitType</td><td>Y</td><td>1</td><td>56</td><td>unsigned int</td><td>Type of risk limits<table><tr><th>Value</th><th>Description</th></tr><tr><td>4</td><td>Long limit</td></tr><tr><td>5</td><td>Short limit</td></tr></table></td></tr>
<tr><td>39070</td><td>>Pad7</td><td>U</td><td>7</td><td>57</td><td>Fixed String</td><td>not used</td></tr>
</table>

16.11 Pre-Trade Risk Limit Response

This response outlines the currently consumed Pre-Trade Risk Limits.

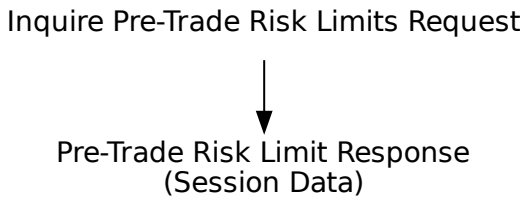
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10313 (PartyRiskLimitsReport, MsgType = CM)
39020	Pad2	U	2	6	Fixed String	not used
<NRResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	N	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	N	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
893	LastFragment	Y	1	52	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 — Description: Last Message
39030	Pad3	U	3	53	Fixed String	not used
<MessageBody>						
1667	RiskLimitReportID	Y	8	56	unsigned int	ID of a PartyRiskLimitReport
1300	MarketSegmentID	Y	4	64	signed int	Product identifier.
1669	NoRiskLimits	Y	1	68	Counter	
1672	PartyDetailStatus	Y	1	69	unsigned int	Member status. Value: 0 — Description: Active Value: 1 — Description: Suspend

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1533	RiskLimitPlatform	Y	1	70	unsigned int	Scope for Pre-Trade risk limits Value: 0 = On-Book; 1 = Off-Book(TES)
22259	PartyDetailExecuting-Unit	Y	5	71	Fixed String	Detail BusinessUnit name Valid characters: A-Z, 0-9, \x20
39040	Pad4	U	4	76	Fixed String	not used
<RiskLimitsRptGrp> Cardinality: 0-64, Record counter: NoRiskLimits						
28777	>RiskLimitQty	N	8	80	Qty	Risk limit quantity.
28779	>RiskLimitOpenQty	N	8	88	Qty	Open quantity for orders or TES trades.
28780	>RiskLimitNet-PositionQty	N	8	96	Qty	Net position quantity for a requested pre-trade risk limit scope.
25205	>NettingCoefficient	N	8	104	floatDecimal4	Weighting factor used in the Extended PTRL consumption calculation. Default value is 10000 for trading members and 0 for clearing members.
28905	>ActivationDate	N	4	112	LocalMktDate	Business date when change is active
1530	>RiskLimitType	Y	1	116	unsigned int	Type of risk limits Value: 4 = Long limit; 5 = Short limit
28776	>RiskLimit-RequestingPartyRole	Y	1	117	unsigned int	Requesting party role for a pre-trade risk limit. Value: 4 = requested by Clearing firm; 22 = requested by Exchange; 59 = requested by Executing firm
28778	>RiskLimitViolation-Indicator	N	1	118	unsigned int	Indicator for a pre-trade risk limit violation. Value: 0 = No; 1 = Yes
31763	>RiskLimitGroup-Status	N	1	119	unsigned int	RiskLimitGroup status. Value: 0 = Active; 1 = Suspend

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
28775	>RiskLimitGroup	N	3	120	Fixed String	User Pre-Trade risk group. Valid characters: A-Z, 0-9, \x20
39050	>Pad5	U	5	123	Fixed String	not used

16.12 Inquire Pre-Trade Risk Limits Request

This request retrieves the currently consumed Pre-Trade Risk Limits. This message is sent to the service "Order and Quote Management".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10311 (PartyRiskLimitsRequest, MsgType = CL)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
1300	MarketSegmentID	Y	4	24	signed int	Product identifier.
1533	RiskLimitPlatform	Y	1	28	unsigned int	Scope for Pre-Trade risk limits Value: 0 = On-Book; 1 = Off-Book(TES)
22059	PartyExecutingUnit	N	5	29	Fixed String	Executing BusinessUnit name Valid characters: \x01-\x7E
28775	RiskLimitGroup	N	3	34	Fixed String	User Pre-Trade risk group. Valid characters: A-Z, 0-9, \x20
39030	Pad3	U	3	37	Fixed String	not used

16.13 Service Availability

The Service Availability message provides information on the availability of a partition.For more details, please refer to the ETI Manual, chapter Service Availability - partition scope.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10030 (UserNotification, MsgType = CB)
39020	Pad2	U	2	6	Fixed String	not used
<NRBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
28727	ApplSubID	Y	4	16	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
1180	ApplID	Y	1	20	unsigned int	Identifier for an ETI data stream. Value: 3 – Description: Service Availability
893	LastFragment	Y	1	21	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 0 – Description: Not Last Message Value: 1 – Description: Last Message
39020	Pad2	U	2	22	Fixed String	not used
<MessageBody>						
25030	MatchingEngine-TradeDate	N	4	24	LocalMktDate	Current business day for Order/Quote Management service.
25031	TradeManagerTrade-Date	N	4	28	LocalMktDate	Current business day of Trades service.
25032	ApplSeqTradeDate	N	4	32	LocalMktDate	Current business day of Retransmission of Order/Quote Events service.
25047	T7EntryServiceTrade-Date	N	4	36	LocalMktDate	Current business day of T7 Entry Service.
25049	T7EntryServiceRtm-TradeDate	N	4	40	LocalMktDate	Current business day of Retransmission of T7 Entry Service.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
5948	PartitionID	Y	2	44	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
25005	MatchingEngine-Status	Y	1	46	unsigned int	Order/Quote Management service: Informs if trading is active for grouping of T7 products. Value: 0 = Unavailable; 1 = Available
25006	TradeManagerStatus	Y	1	47	unsigned int	Trades service: Informs about the availability of the retransmission service of trades for a grouping of T7 products. Value: 0 = Unavailable; 1 = Available
28732	ApplSeqStatus	Y	1	48	unsigned int	Retransmission of Order/Quote Events service: Informs about the availability of the retransmission services for order and quote events (session data and listener data) for a grouping of T7 products. Value: 0 = Unavailable; 1 = Available
25048	T7EntryServiceStatus	Y	1	49	unsigned int	T7 Entry Service: informs if TES trading is active for grouping of T7 products. Value: 0 = Unavailable; 1 = Available
25050	T7EntryServiceRtm-Status	Y	1	50	unsigned int	T7 Entry Retransmission Service: Informs about the availability of the retransmission services for TES trade events. Value: 0 = Unavailable; 1 = Available

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
39050	Pad5	U	5	51	Fixed String	not used

16.14 Service Availability Market

The Service Availability Market message provides information on the availability of a market.For more details, please refer to the ETI Manual, chapter Service Availability - market scope.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10044 (UserNotification, MsgType = CB)
39020	Pad2	U	2	6	Fixed String	not used
<NRBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
28727	ApplSubID	Y	4	16	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
1180	ApplID	Y	1	20	unsigned int	Identifier for an ETI data stream. Value: 10 — Description: Service Availability Market
893	LastFragment	Y	1	21	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. 0 — Not Last Message 1 — Last Message
39020	Pad2	U	2	22	Fixed String	not used
<MessageBody>						
25052	SelectiveRequestForQuoteServiceTradeDate	N	4	24	LocalMktDate	Business date of the Selective Service for Quote Service.
25051	SelectiveRequestForQuoteServiceStatus	Y	1	28	unsigned int	State of the Selective Service for Quote Service. 0 — Unavailable 1 — Available

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Len</th><th>Ofs</th><th>Data Type</th><th>Description</th></tr>
<tr><td>25053</td><td>SelectiveRequestForQuoteRtmServiceStatus</td><td>Y</td><td>1</td><td>29</td><td>unsigned int</td><td>State of the Selective Service for Quote Retransmission Service.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Unavailable</td></tr><tr><td>1</td><td>Available</td></tr></table></td></tr>
<tr><td>25237</td><td>NewsRtmServiceStatus</td><td>Y</td><td>1</td><td>30</td><td>unsigned int</td><td>State of the News Retransmission Service.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Unavailable</td></tr><tr><td>1</td><td>Available</td></tr></table></td></tr>
<tr><td>25238</td><td>RiskControlRtmServiceStatus</td><td>Y</td><td>1</td><td>31</td><td>unsigned int</td><td>State of the Risk Control Retransmission Service.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Unavailable</td></tr><tr><td>1</td><td>Available</td></tr></table></td></tr>
</table>

16.15 News

The News message provides public information from the T7 market supervision. News messages distributed without an ApplSeqNum are not part of the retransmission responses. For more details, please refer to the ETI Manual, chapter News.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10031 (News, MsgType = B)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	N	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	N	4	24	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
5948	PartitionID	Y	2	28	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 2 = News
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
42	OrigTime	Y	8	40	UTCTimestamp	Creation timestamp of the News message.
30354	VarTextLen	Y	2	48	Counter	Number of used bytes for field VarText (30355).
148	Headline	Y	256	50	Fixed String	The headline of a News message. Valid characters: \x20, \x22-\x7B, \x7D, \x7E
30355	VarText	N	2000	306	Variable String	News text. Valid characters: \x09, \x0A, \x0D, \x20-\x7B, \x7D, \x7E

16.16 Entitlement Notification

This message informs about entitlement updates of the business unit.For more details, please refer to the ETI Manual, chapter Risk Control.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10034 (PartyEntitlementsUpdateReport, MsgType = CZ)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	U	4	24	unsigned int	not used
5948	PartitionID	Y	2	28	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 6 = Risk Control
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
60	TransactTime	Y	8	40	UTCTimestamp	Transaction timestamp.
75	TradeDate	Y	4	48	LocalMktDate	Business date.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
20259	PartyDetail-IDExecutingUnit	Y	4	52	unsigned int	Business Unit ID.
20816	RequestingParty-IDExecutingSystem	Y	4	56	unsigned int	System ID. Value: 1 = Eurex Clearing; 2 = T7 trading system
1301	MarketID	N	2	60	unsigned int	Market ID. Value: 1 = XEUR; 2 = XEEE; 12 = NODX; * = More values
1324	ListUpdateAction	Y	1	62	char	Invocation (D = Delete) or release (A = Add) of a trading limitation. Value: A = Add (Invocation); D = Delete (Release)
22807	RequestingParty-EnteringFirm	Y	9	63	Fixed String	Entering Entity Short Name. Valid characters: A-Z, 0-9, \x20
22804	RequestingParty-ClearingFirm	N	9	72	Fixed String	Clearing Member Short Name. Valid characters: A-Z, 0-9, \x20
1672	PartyDetailStatus	Y	1	81	unsigned int	Member status. Value: 0 = Active; 1 = Suspend
39060	Pad6	U	6	82	Fixed String	not used

16.17 Party Action Report

A Member supervisor or T7 market supervision has stopped or released a trader or a business unit for one or all markets.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10042 (PartyActionReport, MsgType = DI)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	U	4	24	unsigned int	not used
5948	PartitionID	Y	2	28	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 6 = Risk Control
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
60	TransactTime	Y	8	40	UTCTimestamp	Transaction timestamp.
75	TradeDate	N	4	48	LocalMktDate	Business date.
20812	RequestingPartyIDExecutingTrader	N	4	52	unsigned int	Owning User ID.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
20059	PartyIDExecutingUnit	Y	4	56	unsigned int	Business Unit ID.
20012	PartyIDExecuting-Trader	N	4	60	unsigned int	Owning User ID.
20816	RequestingParty-IDExecutingSystem	Y	4	64	unsigned int	System ID. Value: 2 — T7 trading system
1301	MarketID	N	2	68	unsigned int	Market ID. Value: 1 — XEUR Value: 2 — XEEE Value: 12 — NODX Value: * — More values
2329	PartyActionType	Y	1	70	unsigned int	Type of party action report. Value: 1 — Halt trading Value: 2 — Reinstate
20807	RequestingParty-IDEnteringFirm	Y	1	71	unsigned int	ID of the entering firm. Value: 1 — Participant Value: 2 — Market Supervision

16.18 Risk Notification

This message informs about risk events for the business unit. For more details, please refer to the ETI Manual, chapter Risk Control.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10033 (PartyRiskLimitsUpdateReport, MsgType = CR)
39020	Pad2	U	2	6	Fixed String	not used
<RBCHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
1181	ApplSeqNum	Y	8	16	unsigned int	Application sequence number assigned to a non-order related T7 ETI data stream.
28727	ApplSubID	U	4	24	unsigned int	not used
5948	PartitionID	Y	2	28	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
1352	ApplResendFlag	Y	1	30	unsigned int	Indicates a retransmission message. Value: 0 = False; 1 = True
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. Value: 6 = Risk Control
893	LastFragment	Y	1	32	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 = Last Message
39070	Pad7	U	7	33	Fixed String	not used
<MessageBody>						
60	TransactTime	Y	8	40	UTCTimestamp	Transaction timestamp.
75	TradeDate	Y	4	48	LocalMktDate	Business date.
20259	PartyDetailIDExecutingUnit	Y	4	52	unsigned int	Business Unit ID.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
20816	RequestingParty-IDExecutingSystem	Y	4	56	unsigned int	System ID. Value: 1 = Eurex Clearing; 2 = T7 trading system
1301	MarketID	N	2	60	unsigned int	Market ID. Value: 1 = XEUR; 2 = XEEE; 12 = NODX; * = More values
25240	InventoryCheckType	N	1	62	unsigned int	Indicator for checking open orders and quotes. Value: 0 = Do not check; 1 = Check
1324	ListUpdateAction	Y	1	63	char	Invocation (A = Add) or release (D = Delete) of a risk limitation. Value: A = Add (Invocation); D = Delete (Release)
1767	RiskLimitAction	N	1	64	unsigned int	Risk protection action. Value: 0 = Queue Inbound; 2 = Reject; 4 = Warning
22807	RequestingParty-EnteringFirm	Y	9	65	Fixed String	Entering Entity Short Name. Valid characters: A-Z, 0-9, \x20
22804	RequestingParty-ClearingFirm	N	9	74	Fixed String	Clearing Member Short Name. Valid characters: A-Z, 0-9, \x20
39050	Pad5	U	5	83	Fixed String	not used

16.19 Ping Request

This request (and it's corresponding response) is reserved for internal use only i.e. the right to use the request will not be granted to participants. This message is sent to the service "Order and Quote Management".

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderIn>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10320 (TestRequest, MsgType = 1)
25028	NetworkMsgID	U	8	6	Fixed String	not used
39020	Pad2	U	2	14	Fixed String	not used
<RequestHeader>						
34	MsgSeqNum	Y	4	16	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
50	SenderSubID	Y	4	20	unsigned int	User ID.
<MessageBody>						
5948	PartitionID	Y	2	24	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.
39060	Pad6	U	6	26	Fixed String	not used

16.20 Ping Response

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10321 (Heartbeat, MsgType = 0)
39020	Pad2	U	2	6	Fixed String	not used
<NRResponseHeaderME>						
5979	RequestTime	Y	8	8	UTCTimestamp	In timestamp; filled always by the gateway
21002	TrdRegTSTimeIn	Y	8	16	UTCTimestamp	Matching engine in timestamp.
21003	TrdRegTSTimeOut	Y	8	24	UTCTimestamp	Matching engine out timestamp.
7765	ResponseIn	Y	8	32	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine.
52	SendingTime	Y	8	40	UTCTimestamp	Outgoing delta timestamp; filled always by the gateway
34	MsgSeqNum	Y	4	48	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
893	LastFragment	Y	1	52	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. Value: 1 — Description: Last Message
39030	Pad3	U	3	53	Fixed String	not used
<MessageBody>						
60	TransactTime	Y	8	56	UTCTimestamp	Transaction timestamp.

16.21 Gap Fill

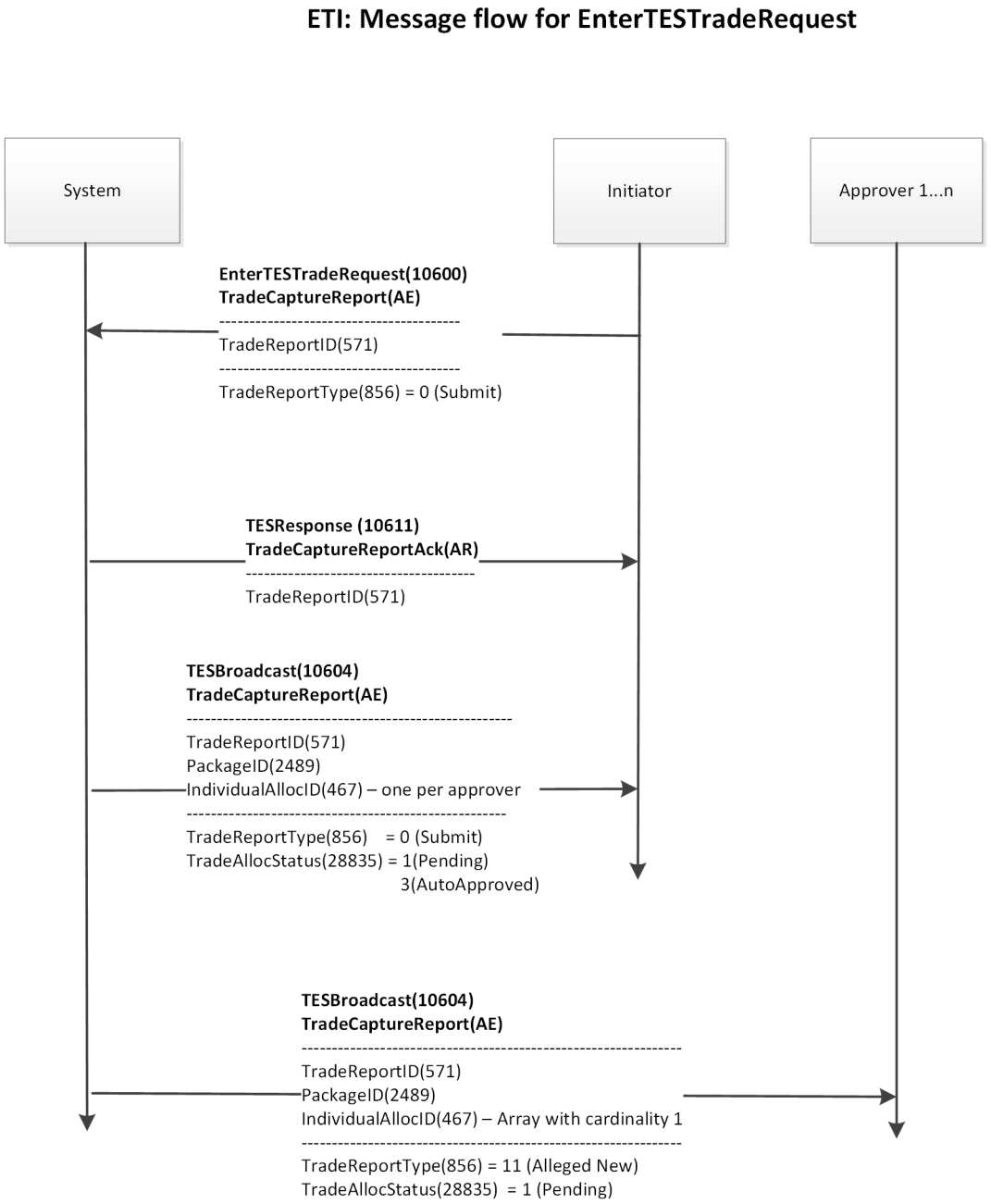
This message informs that the provided message must be skipped over, due to the fact that the T7 system is not able to provide the functional data to the participant.The exchange may be contacted for further error analysis.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<MessageHeaderOut>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10032 (ApplicationMessageReport, MsgType = BY)
39020	Pad2	U	2	6	Fixed String	not used
<NotifHeader>						
52	SendingTime	Y	8	8	UTCTimestamp	Outgoing timestamp; filled always by the gateway
<MessageBody>						
28724	ApplIDStatus	Y	4	16	unsigned int	Application sequencing related error code. Value: Description 105: Error converting response or broadcast *: More values
28728	RefApplSubID	N	4	20	unsigned int	Unique ID for the subscription instance assigned by the T7 system during broadcast subscription.
30354	VarTextLen	Y	2	24	Counter	Number of used bytes for field VarText (30355).
1355	RefApplID	Y	1	26	unsigned int	Application identifier of a T7 ETI data stream. Value: Description 1: Trade 2: News 3: Service Availability 4: Session Data 5: Listener Data 6: Risk Control 7: TES Maintenance 8: TES Trade 9: SRQS Maintenance 10: Service Availability Market

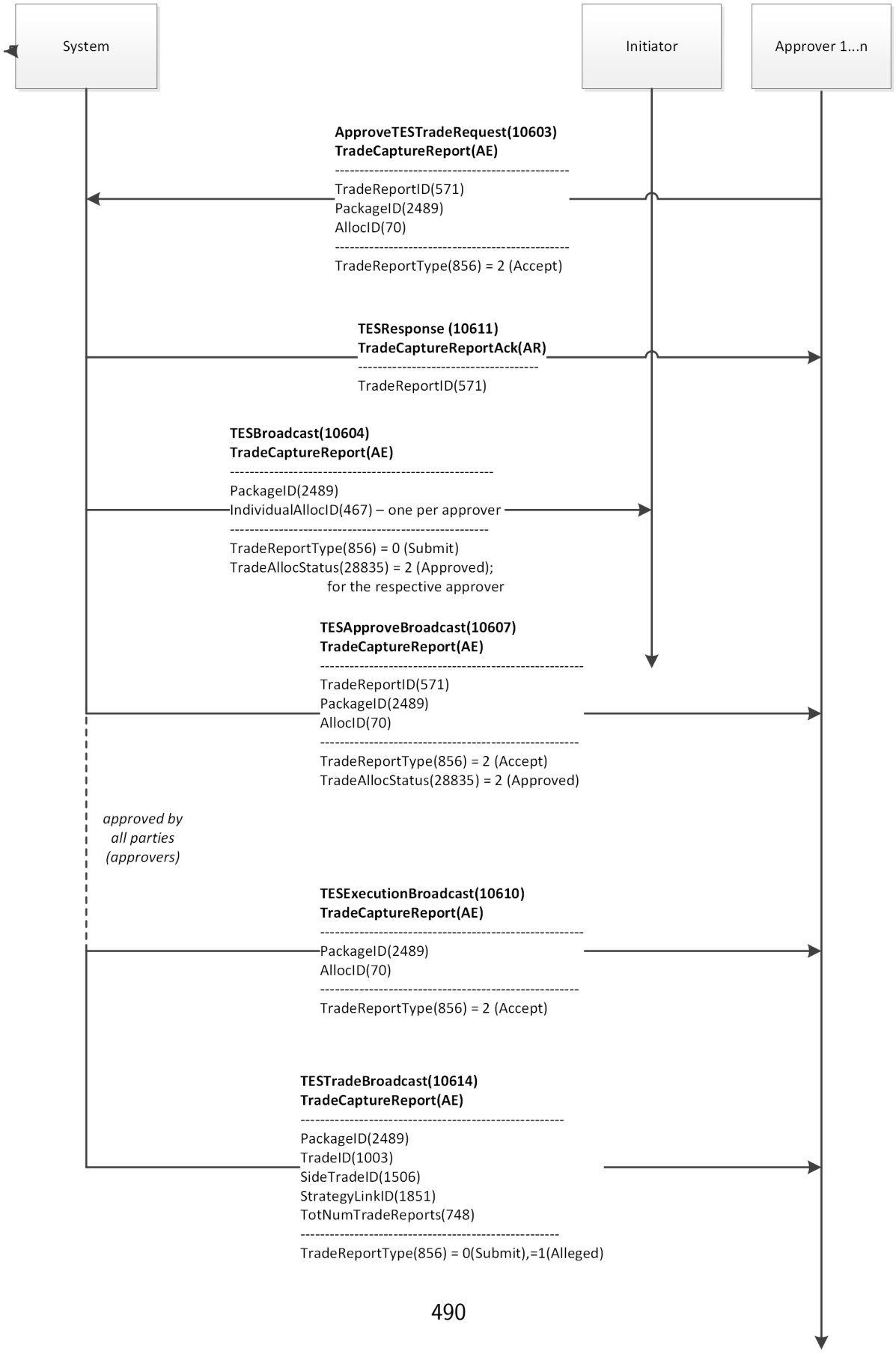
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1409	SessionStatus	Y	1	27	unsigned int	Session status. Value: 0 = Session active; 4 = Session logout complete
30355	VarText	Y	2000	28	Variable String	Error text. Valid characters: \x09, \x0A, \x0D, \x20-\x7B, \x7D, \x7E

A Appendix

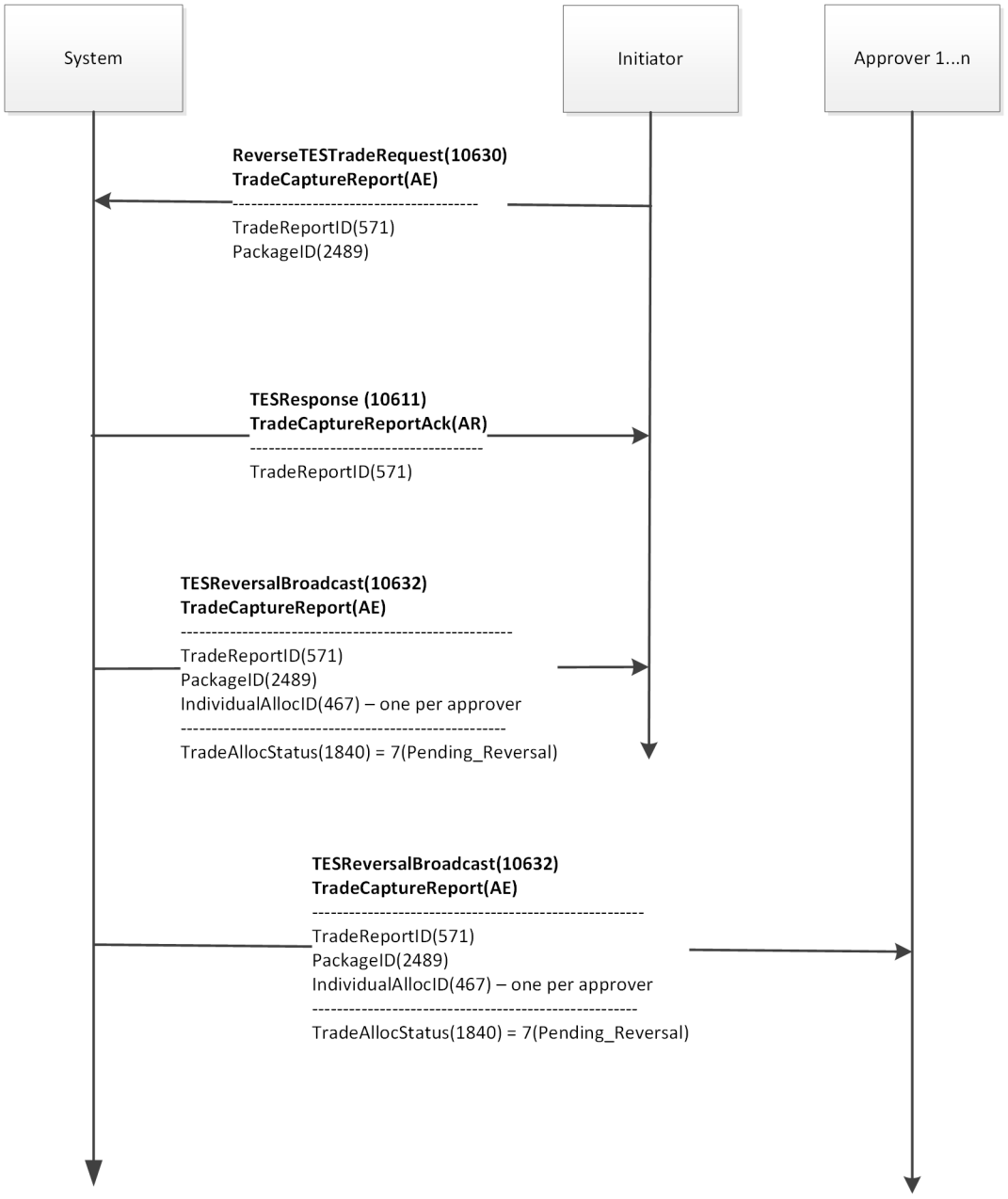
A.1 T7 Entry Service Message Flow



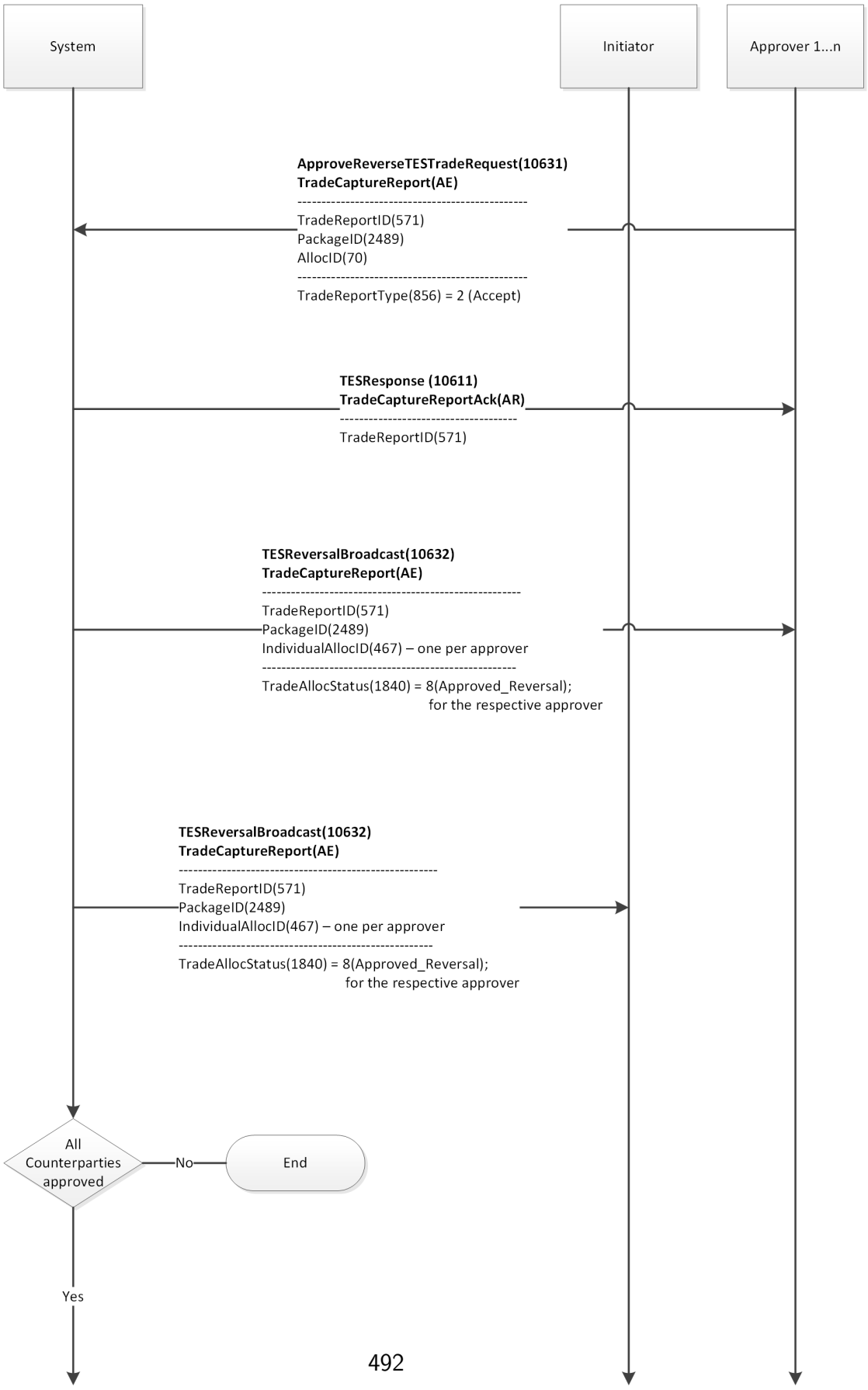
ETI: Message flow for ApproveTESTradeRequest



ETI: Message flow for ReverseTESTradeRequest



ETI: Message flow for ApproveReverseTESTradeRequest



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ETI: Message flow for ApproveReverseTESTradeRequest

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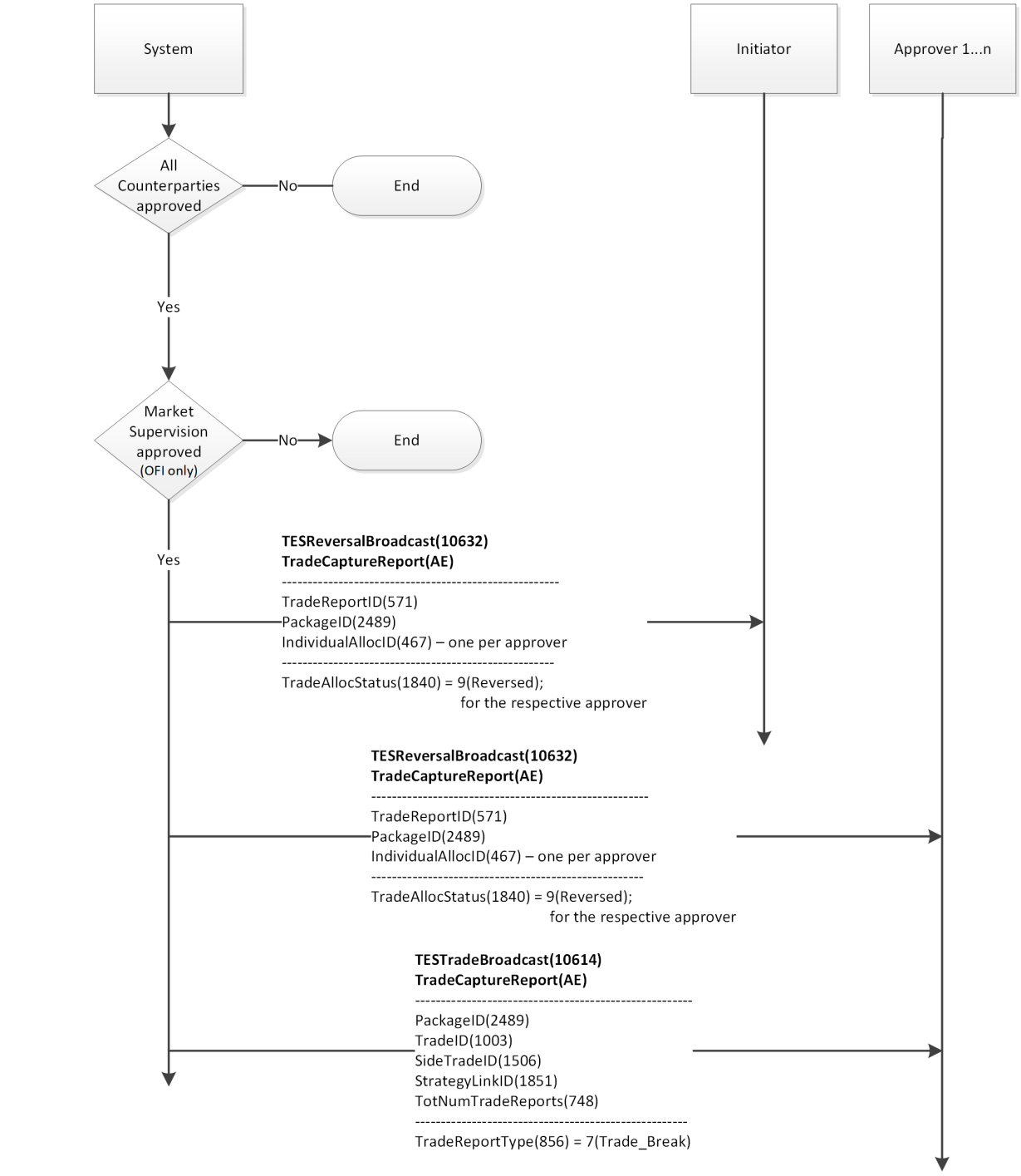
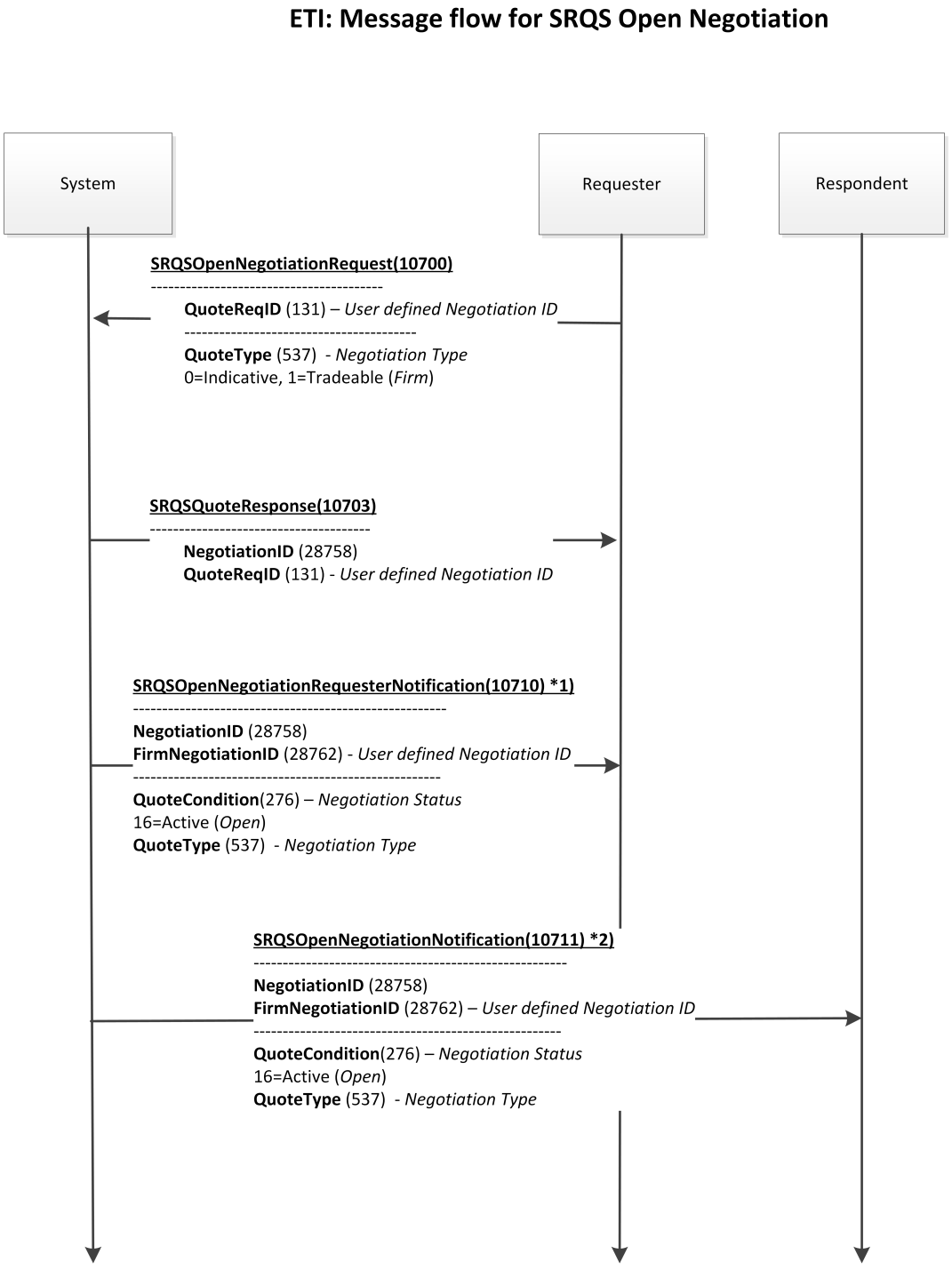
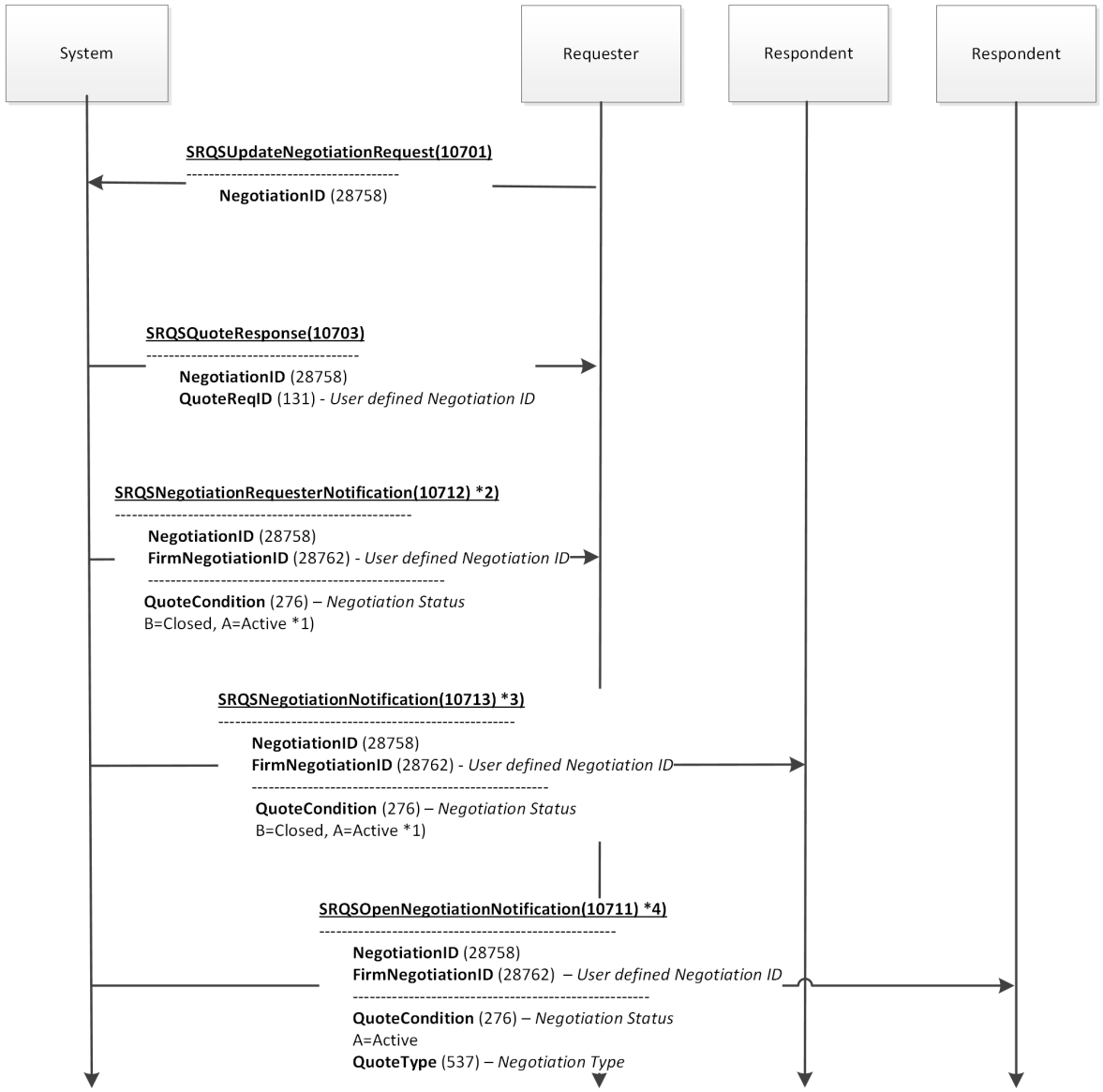


A.2 SRQS Message Flows



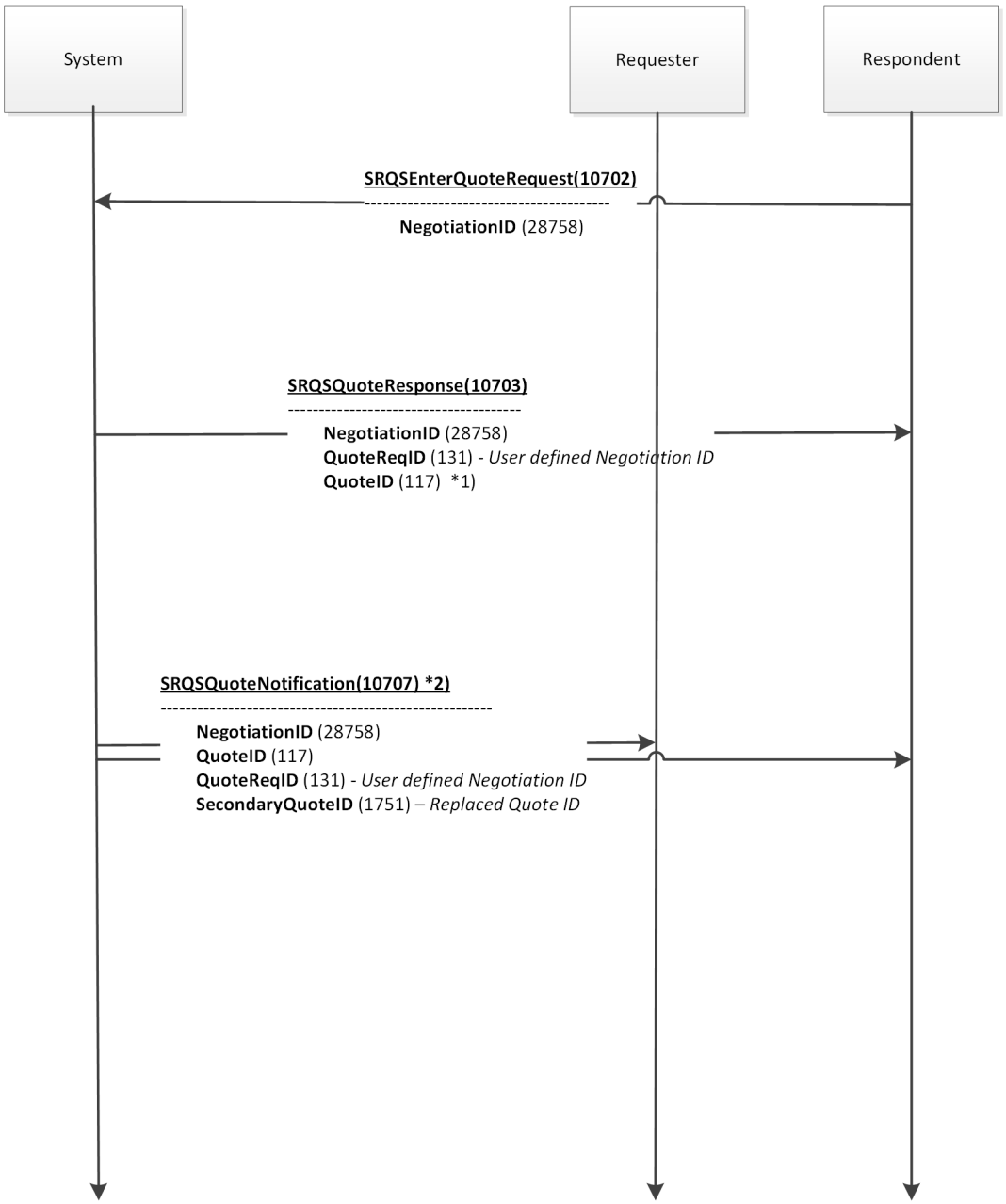
*1) to the business unit of the negotiation related requester
*2) to the business units of the addressed target parties

ETI: Message flow for SRQS Update Negotiation (by Requester)



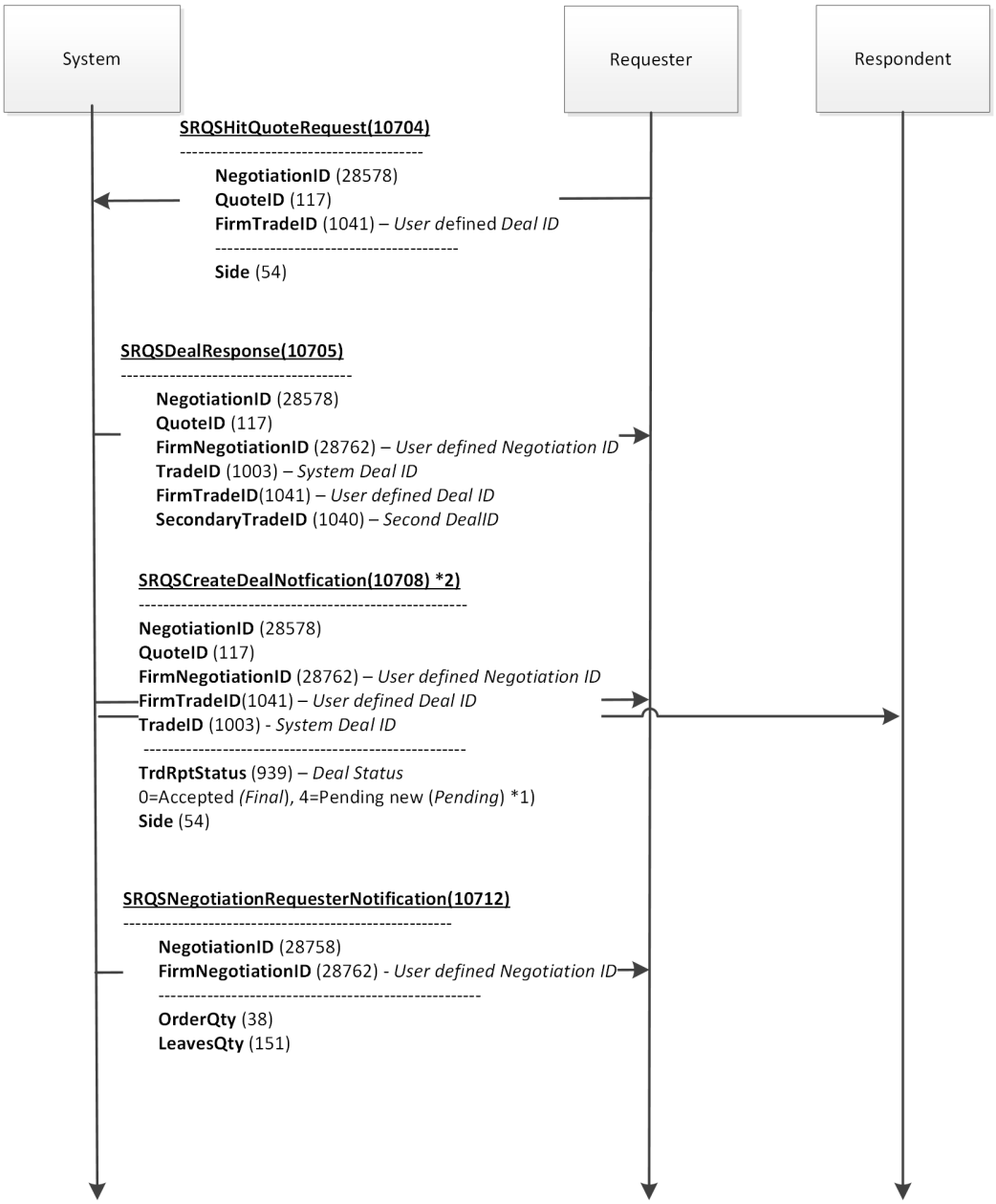
*1) Closed when set by the requester.
*2) to the business unit of the negotiation related requester
*3) to the business units of addressed target parties already involved in that negotiation
*4) to the business units of newly addressed target parties

ETI: Message flow for SRQS Enter Quote



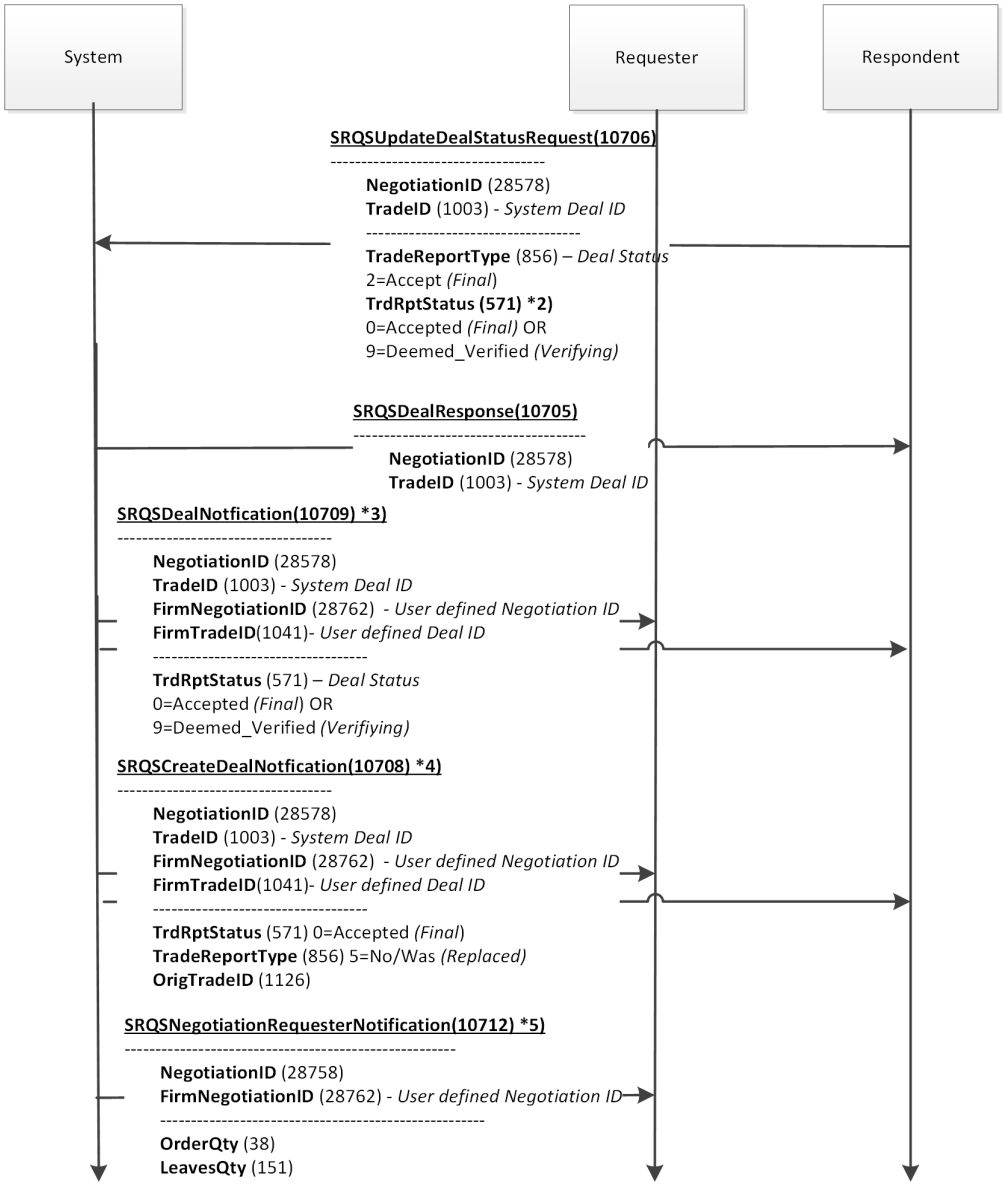
*1) any „overwritten" (updated) quote will result in a new QuoteID – not set in case of Quote delete
*2) to the business units of the quoting respondent and the negotiation related requester

ETI: Message flow for SRQS Hit Quote



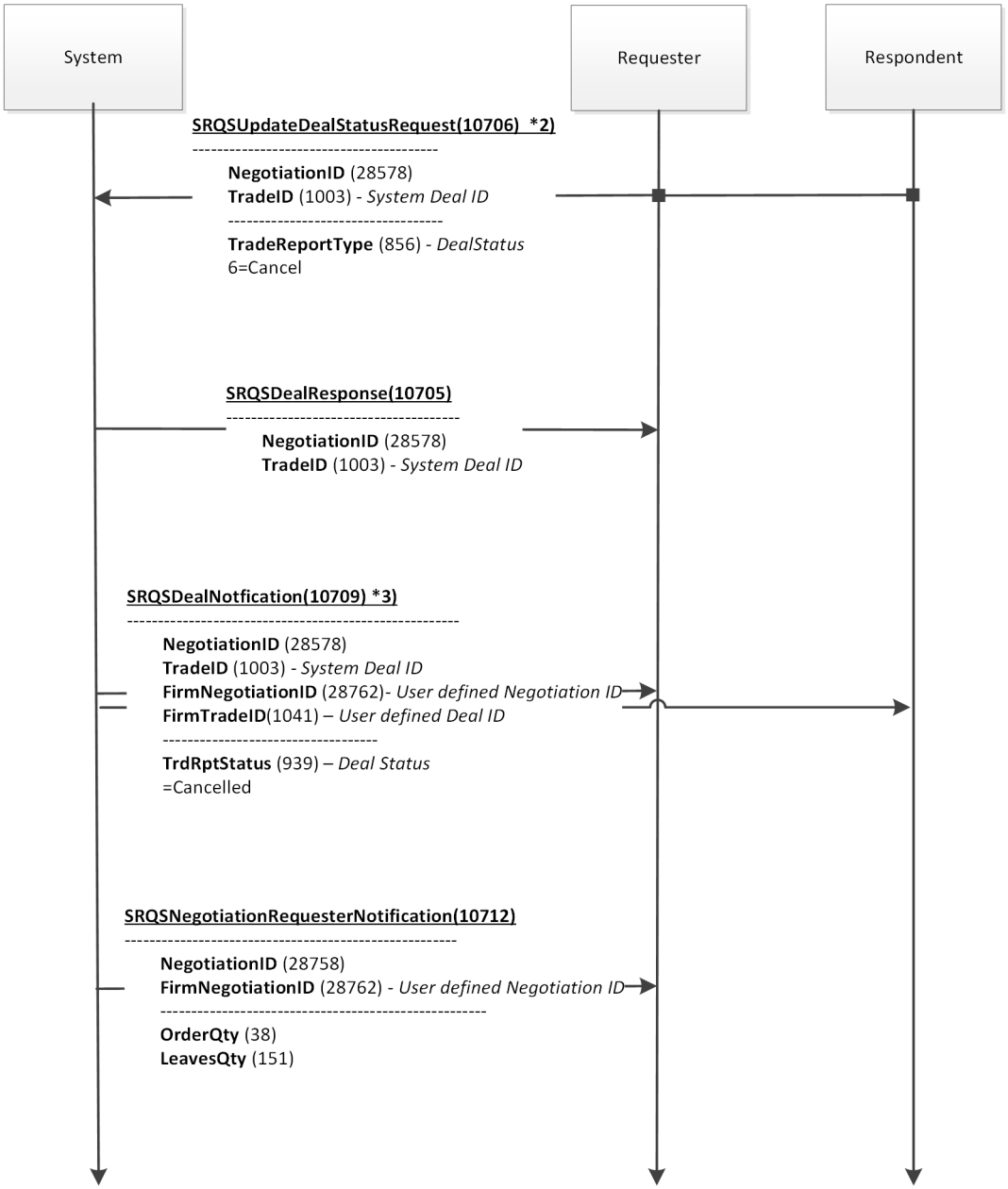
*1) depending on NegotiationType: [Firm ➔ Final | Indicative ➔ Pending]
*2) to the business units of quote hitting requester and the quote owning respondent

ETI: Message flow for SRQS Confirm Deal *1)



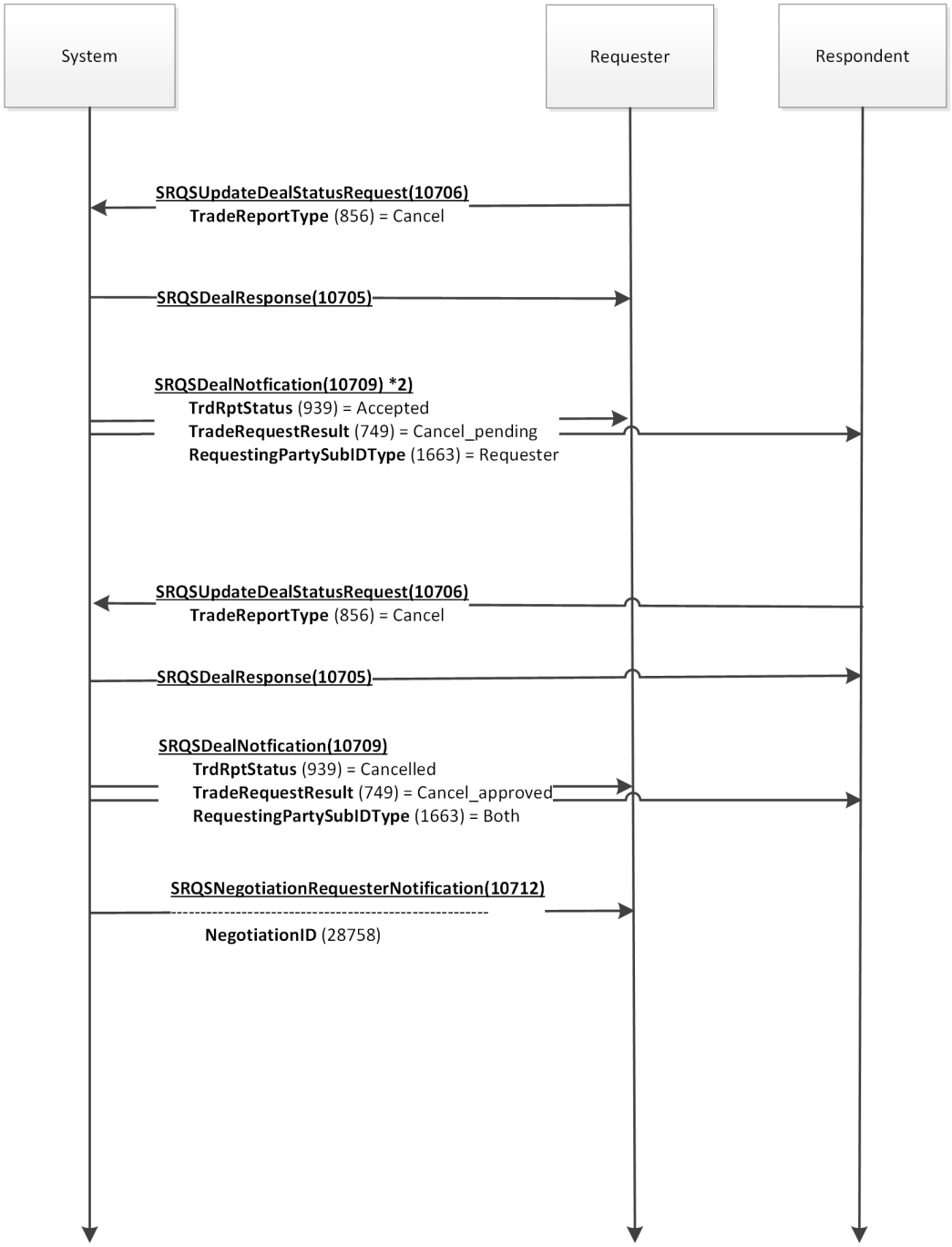
*1) either needed for indicative negotiations (finalize deal) or working delta (verify or finalize deal)
*2) working delta deal only
*3) to the business units of the deal status updating respondent and the deal related requester – for finalizing non-working delta or verifying working delta deals
*4) to the business units of the deal finalizing respondent and the deal related requester – only in case of finalizing a working delta deal
*5) only in case of a final deal

ETI: Message flow for SRQS Cancel Deal *1)



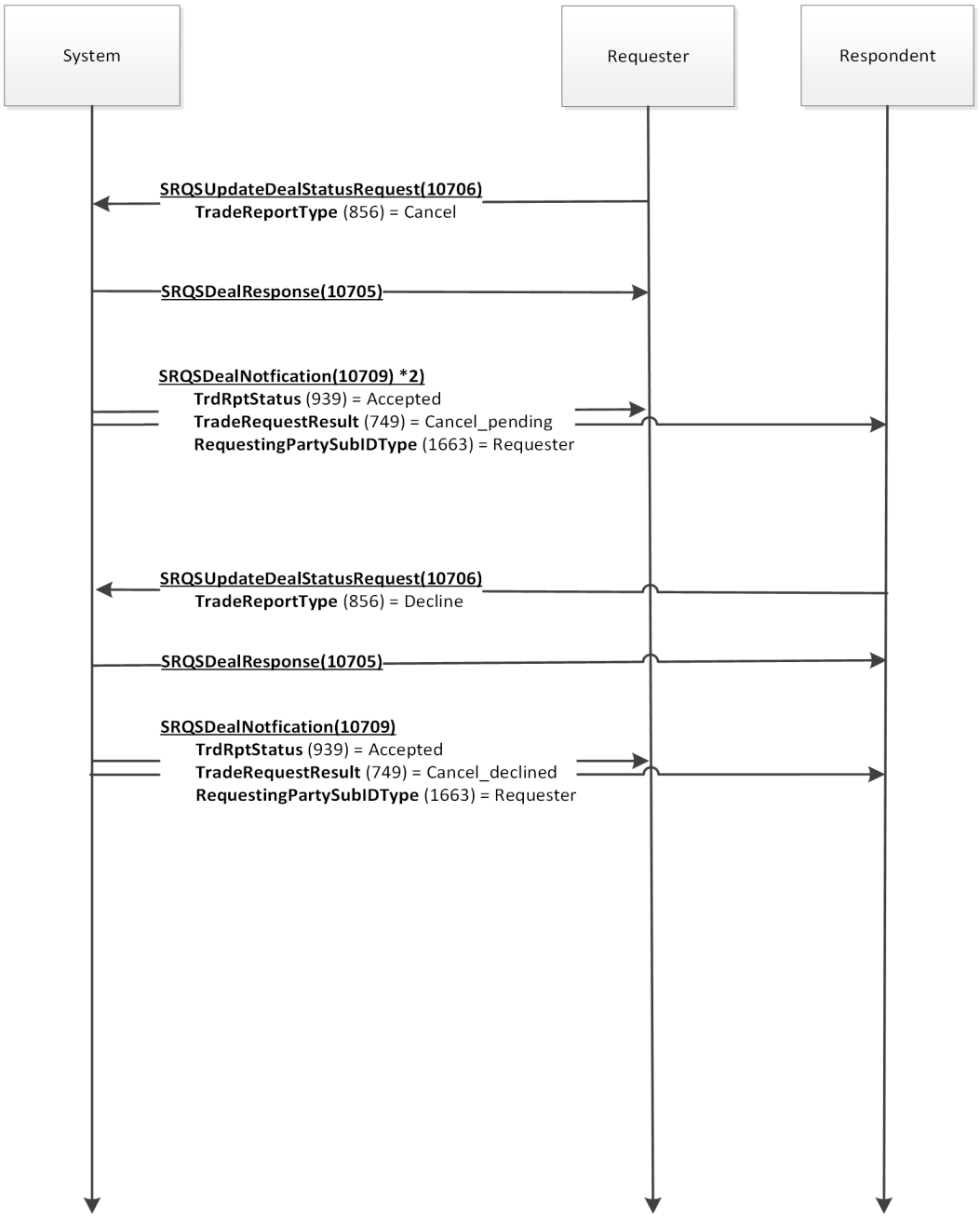
*1) only in case of indicative negotiations
*2) Request can be sent from both requester and respondent
*3) to the business unit of the deal cancelling requester and the deal related respondent

ETI: Message flow for SRQS approved mutual cancellation *1) *2)



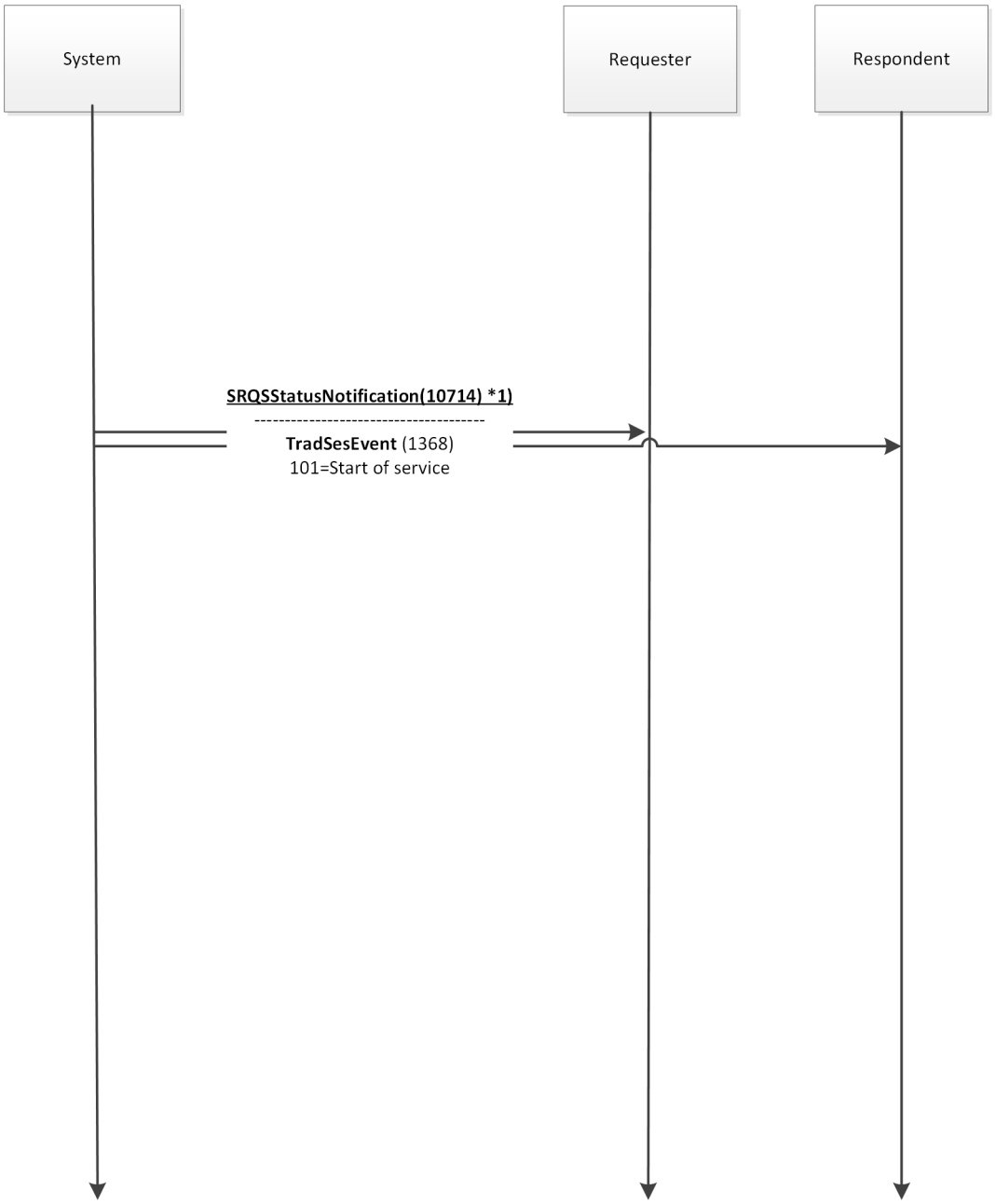
*1) only valid for final STP deal and after negotiation expiry.
*2) same message flow is valid if mutual cancellation is triggered by a respondent

ETI: Message flow for SRQS declined mutual cancellation *1) *2)



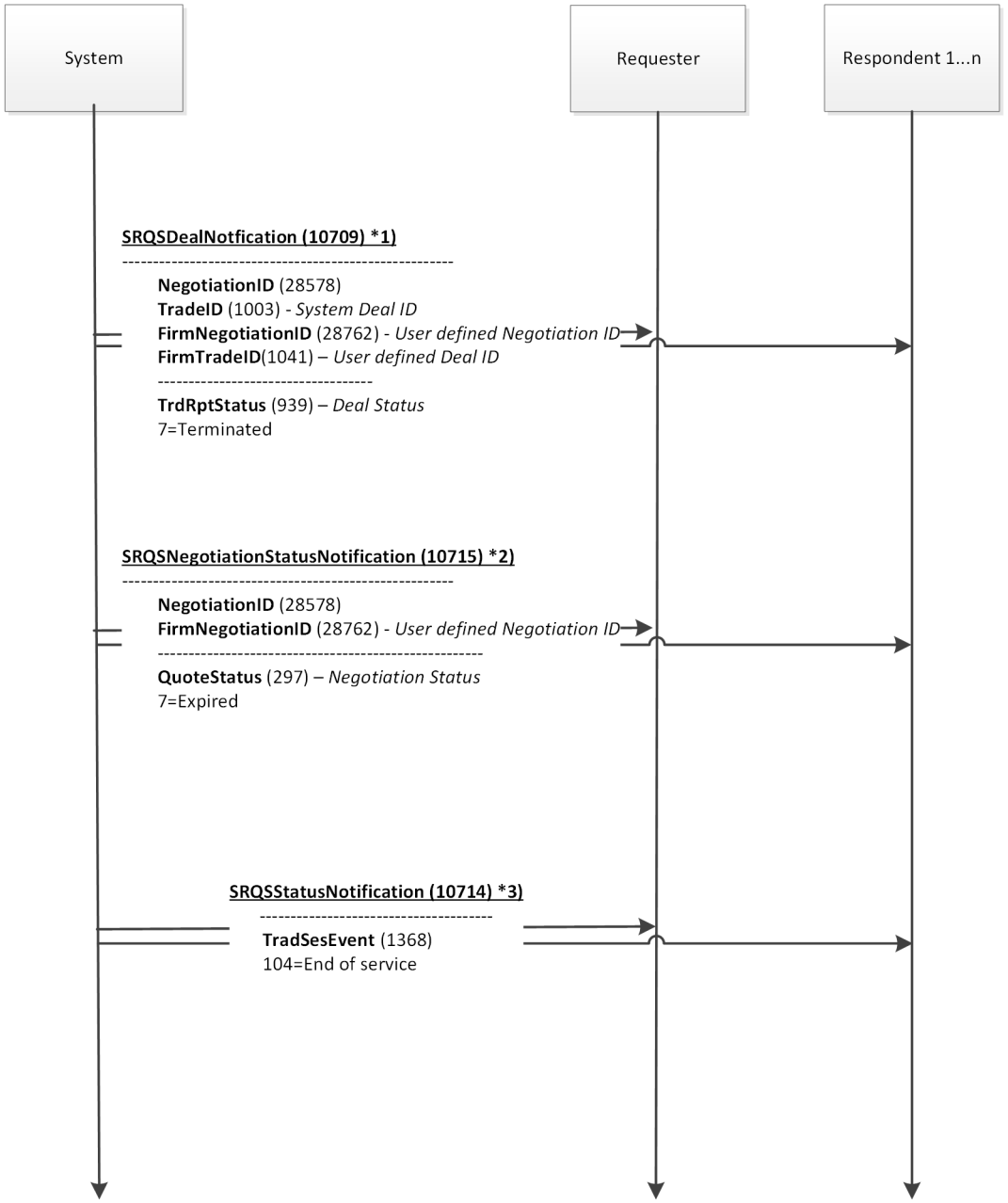
*1) only valid for final STP deals and after negotiation expiry
*2) same message flow is valid if mutual cancellation is triggered by a respondent

ETI: Message flow for SRQS Start of Day



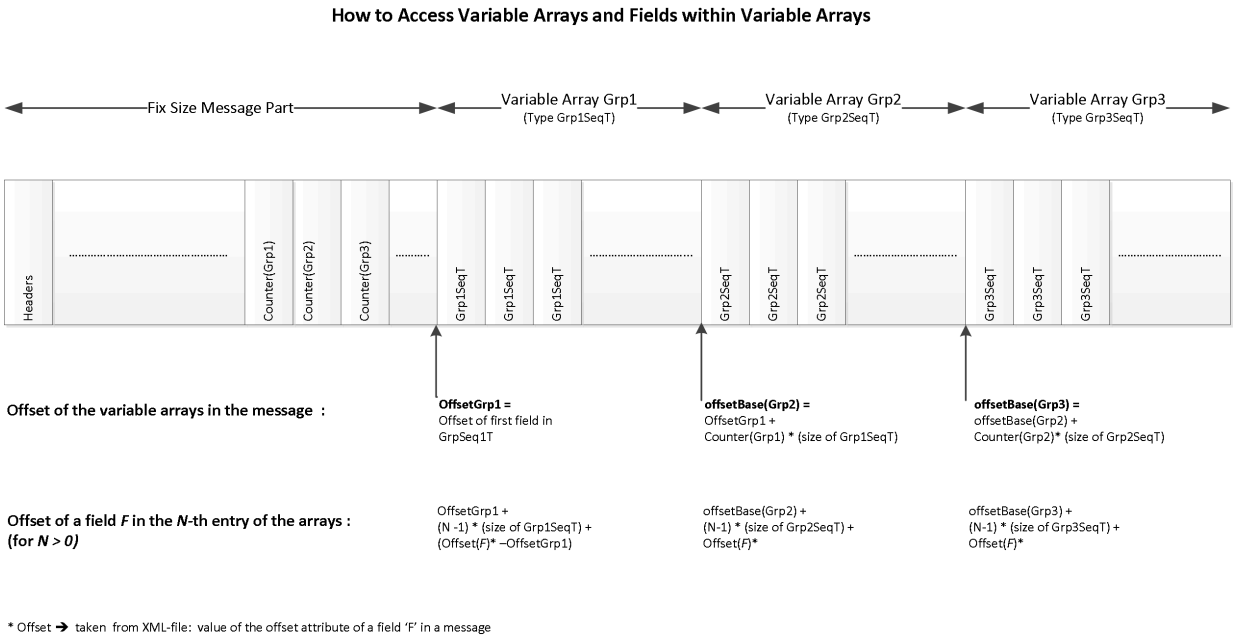
*1) to all known business units

ETI: Message flow for SRQS End of Day



*1) for all pending deals: to requester and related respondent
*2) for all open negotiations: to requester and all respondents
*3) to all known business units

A.3 Variable Arrays



A.4 XML Interface Description

The ETI interface description is also available as a machine readable XML file. The structure of the XML is described by an XML schema file.

The XML file consists of the following parts and definitions:

Definitions	Description
MessageFlow	A "MessageFlow" is a flow diagram describing the system behavior from the user's point of view. The MessageFlow is represented as a tree of nodes.
ApplicationMessage	An "ApplicationMessage" represents a top-level structure which describes a message transmitted between the participant and user and the exchange. In contrast to the "Structure" definition, all components and repeating groups are uncollapsed. Valid values and description of fields are provided in the application scope.
Structure	A "Structure" is either the definition of a top-level-structure ("Message") or of a (repeated) sub-structure. Components and repeating groups are provided in a collapsed representation. All fields show the complete list of valid values.
DataType	A "DataType" is the technical and functional description of a data field. Each "DataType" is part of a (multi-level) inheritance tree based on the following "rootTypes": **String**, **float**, **int**, and **data**.

Definitions	Description

For a detailed description of all available XML elements and attributes please refer to the XML schema file.

B Change Log

Deutsche Boerse decommissions the following requests with the ETI version 14.1 in mid-2026:

- New Order Single (10100)
- New Order Single (short layout) (10125)
- New Order Multi Leg (10113)
- New Order Multi Leg (short layout) (10129)
- Replace Order Single (10106)
- Replace Order Single (short layout) (10126)
- Replace Order Multi Leg (10114)
- Replace Order Multi Leg (short layout) (10130)
- Cancel Order Single (10109)
- Cancel Order Multi Leg (10123)

Following requests should be used instead:

- New Order Single or Multi Leg (10138)
- New Order Single or Multi Leg (short layout) (10139)
- Replace Order Single or Multi Leg (10140)
- Replace Order Single or Multi Leg (short layout) (10141)
- Cancel Order Single or Multi Leg (10142)

B.1 T7 Release 14.1 – Version 1 (ETI 14.1-D0001)

Changes to the T7 Release 14.0 – Version 2:

- changed valid value *Derivatives* to *D0001* of field *DefaultCstmApplVerSubID* in message Session Logon Response (10001)
- added valid value *Pretrade_Risk_Limit_Exceeded(10016)* to field SessionRejectReason in message Reject (10010)
- added field *EnableCustomCommodityStrip* to message Create Strategy (10301)

- added field *DisplayNameAlias* to message Create Strategy (10301), Create Scaled Simple Instrument Request (10327)

- added field *PeriodAlias* to message Create Strategy (10301), Create Scaled Simple Instrument Request (10327)

- changed name of valid value *Direct_access_or_sponsored_access_customer(5)* to *Direct_access_customer(5)* in field *OrderOrigination* in messages Approve Basket Trade Request (10623), Approve TES Trade Request (10603), Order Mass Cancellation Request (10120), Cancel Order Single or Multi Leg (10142), CLIP Enter Request (10131), Mass Order (10115), Replace Order Single or Multi Leg (10140), Replace Order Single or Multi Leg (short layout) (10141), New Order Single or Multi Leg (10138), New Order Single or Multi Leg (short layout) (10139), SRQS Hit Quote Request (10704), TES Trade Broadcast (10614), TES Trade Upload Broadcast (10613), Trade Notification (10500), Upload TES Trade Request (10612)

- added valid value *Sponsored_access_customer(105)* to field *OrderOrigination* in messages Approve Basket Trade Request (10623), Approve TES Trade Request (10603), Order Mass Cancellation Request (10120), Cancel Order Single or Multi Leg (10142), CLIP Enter Request (10131), Mass Order (10115), Replace Order Single or Multi Leg (10140), Replace Order Single or Multi Leg (short layout) (10141), New Order Single or Multi Leg (10138), New Order Single or Multi Leg (short layout) (10139), SRQS Hit Quote Request (10704), TES Trade Broadcast (10614), TES Trade Upload Broadcast (10613), Trade Notification (10500), Upload TES Trade Request (10612)

- removed valid value *Delta_Neutral_Trade_at_Market(1017)* of field *TrdType* from messages Approve Reverse TES Trade Request (10631), Approve TES Trade Request (10603), Delete TES Trade Request (10602), Enter TES Trade Request (10600), Modify TES Trade Request (10601), Reverse TES Trade Request (10630), Approve TES Trade Broadcast (10607), TES Broadcast (10604), Delete TES Trade Broadcast (10606), TES Execution Broadcast (10610), TES Reversal Broadcast (10632), TES Trade Broadcast (10614), TES Trade Upload Broadcast (10613), Upload TES Trade Request (10612)

- changed data type of field *NotAffectedSecurityID* to *signed int* in messages Quote Mass Cancellation Notification (10410), Quote Mass Cancellation Response (10409), Quote Activation Notification (10411), Quote Activation Response (10404)

- removed field *RelatedSecurityID* from messages Enter TES Trade Request (10600), Approve TES Trade Broadcast (10607), TES Broadcast (10604), Upload TES Trade Request (10612)

- removed field *RelatedPx* from messages Enter TES Trade Request (10600), Modify TES Trade Request (10601), Approve TES Trade Broadcast (10607), TES Broadcast (10604), TES Trade Upload Broadcast (10613), Upload TES Trade Request (10612)

- added field *RiskLimitGroupStatus* to messages Pre-Trade Risk Limit Response (10313), Pre-Trade Risk Limits Definition Request (10312)

- removed valid value *Modified_quote_side(2)* in field *QuoteEventType* from message Quote Execution Notification (10407)

- changed usage of field *TradeReportID* in message TES Response (10611)