

Deutsche Börse Group's T7

Enhanced Trading Interface

Cash Message Reference

Release 5.0

ETI Version	5.0
Build Version	5.0.186.ga-5000160-55
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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
ETI	Enhanced Trading Interface
FOK	Fill or Kill
GDF	Good for Day
GTC	Good till Cancelled
GTD	Good till Date
HF	High-frequency session
IOC	Immediate or Cancel Order
LF	Low-frequency session
OCO	One Cancels the Other Order
SMP	Self Match Prevention

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 cash 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 *DefaultCstmAppVerID (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
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
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.

ETI Data Type	Description	No Value
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
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 signed 4 byte integer format.	see 4 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.

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	Exposure limit exceeded.
102	Service temporarily not available.
103	Service not available.
104	Result of transaction unknown.
211	User already logged in.
214	Session Gateway Assignment expired.
215	Gateway not reserved to Session.
10000	Order not found.
10001	Price reasonability check failed.
10002	Client order ID not unique.
10003	Quote activation in progress.
10004	Pre-trade risk limit for open orders on Business Unit level exceeded.
10005	Pre-trade risk limit for open orders on session level exceeded.

4 Overview of Supported Message Types

The following message formats are based on:

- Interface Version: 5.0
- Build Number: 5.0.186.ga-5000160-55

4.1 Session Layer

ETI Message	TemplateID (28500)	Sender	FIX Message	MsgType (35)
Connection Gateway Request	10020	Participant	ApplicationMessageRequest	BW
Connection Gateway Response	10021	ETI Gateway	ApplicationMessageRequestAck	BX
Session Logon	10000	Participant	Logon	A
Session Logon Response	10001	ETI Gateway	Logon	A
Session Logout	10002	Participant	Logout	5
Session Logout Response	10003	ETI Gateway	Logout	5
Session Logout Notification	10012	ETI Gateway	Logout	5
Heartbeat	10011	Participant	Heartbeat	0
Heartbeat Notification	10023	ETI Gateway	Heartbeat	0
Legal Notification	10037	ETI Gateway	UserNotification	CB
User Logon	10018	Participant	UserRequest	BE

ETI Message	TemplateID (28500)	Sender	FIX Message	MsgType (35)
User Logon Response	10019	ETI Gateway	UserResponse	BF
User Logout	10029	Participant	UserRequest	BE
User Logout Response	10024	ETI Gateway	UserResponse	BF
User Logout Notification	10043	ETI Gateway	Logout	5
Throttle Update Notification	10028	ETI Gateway	UserNotification	CB
Subscribe	10025	Participant	ApplicationMessageRequest	BW
Subscribe Response	10005	ETI Gateway	ApplicationMessageRequestAck	BX
Unsubscribe	10006	Participant	ApplicationMessageRequest	BW
Unsubscribe Response	10007	ETI Gateway	ApplicationMessageRequestAck	BX
Retransmit	10008	Participant	ApplicationMessageRequest	BW
Retransmit Response	10009	ETI Gateway	ApplicationMessageRequestAck	BX
Retransmit (Order/Quote Event)	10026	Participant	ApplicationMessageRequest	BW
Retransmit Response (Order/Quote Event)	10027	ETI Gateway	ApplicationMessageRequestAck	BX
Reject	10010	ETI Gateway	Reject	3
Session List Inquire	10035	Participant	SessionDetailsListRequest	U5
Session List Inquire Response	10036	ETI Gateway	SessionDetailsListResponse	U6
Trade Enrichment List Inquire	10040	Participant	TradeEnrichmentListRequest	U7
Trade Enrichment List Inquire Response	10041	ETI Gateway	TradeEnrichmentListReport	U9
User List Inquire	10038	Participant	PartyDetailListRequest	CF
User List Inquire Response	10039	ETI Gateway	PartyDetailListReport	CG

4.2 Order Handling

ETI Message	TemplateID (28500)	Sender	FIX Message	MsgType (35)
New Order Single	10100	Participant	NewOrderSingle	D
New Order Single (short layout)	10125	Participant	NewOrderSingle	D
New Order Response (Standard Order)	10101	ETI Gateway	ExecutionReport	8
New Order Response (Lean Order)	10102	ETI Gateway	ExecutionReport	8
Immediate Execution Response	10103	ETI Gateway	ExecutionReport	8
Book Order Execution	10104	ETI Gateway	ExecutionReport	8
Replace Order Single	10106	Participant	OrderCancelReplaceRequest	G
Replace Order Single (short layout)	10126	Participant	OrderCancelReplaceRequest	G
Replace Order Response (Standard Order)	10107	ETI Gateway	ExecutionReport	8

ETI Message	TemplateID (28500)	Sender	FIX Message	MsgType (35)
Replace Order Response (Lean Order)	10108	ETI Gateway	ExecutionReport	8
Cancel Order Single	10109	Participant	OrderCancelRequest	F
Cancel Order Response (Standard Order)	10110	ETI Gateway	ExecutionReport	8
Cancel Order Response (Lean Order)	10111	ETI Gateway	ExecutionReport	8
Cancel Order Notification	10112	ETI Gateway	ExecutionReport	8
Order Mass Cancellation Request	10120	Participant	OrderMassActionRequest	CA
Order Mass Cancellation Response	10121	ETI Gateway	OrderMassActionReport	BZ
Order Mass Cancellation Response No Hits	10124	ETI Gateway	OrderMassActionReport	BZ
Order Mass Cancellation Notification	10122	ETI Gateway	OrderMassActionReport	BZ
Trailing Stop Order Update Notification	10127	ETI Gateway	ExecutionReport	8
Extended Order Information	10117	ETI Gateway	ExecutionReport	8
Extended Deletion Report	10128	ETI Gateway	ExecutionReport	8

4.3 Quote Handling

ETI Message	TemplateID (28500)	Sender	FIX Message	MsgType (35)
Mass Quote	10405	Participant	MassQuote	i
Mass Quote Response	10406	ETI Gateway	MassQuoteAcknowledgement	b
Quote Execution Notification	10407	ETI Gateway	QuoteExecutionReport	U8
Quote Mass Cancellation Request	10408	Participant	OrderMassActionRequest	CA
Quote Mass Cancellation Response	10409	ETI Gateway	OrderMassActionReport	BZ
Quote Mass Cancellation Notification	10410	ETI Gateway	OrderMassActionReport	BZ
Quote Activation Request	10403	Participant	OrderMassActionRequest	CA
Quote Activation Response	10404	ETI Gateway	OrderMassActionReport	BZ
Quote Activation Notification	10411	ETI Gateway	OrderMassActionReport	BZ

4.4 Quote and Cross Request

ETI Message	TemplateID (28500)	Sender	FIX Message	MsgType (35)
Quote Request	10401	Participant	QuoteRequest	R
Quote Request Response	10402	ETI Gateway	RequestAcknowledge	U1
Cross Request Response	10119	ETI Gateway	RequestAcknowledge	U1
Cross Request	10118	Participant	CrossRequest	U16

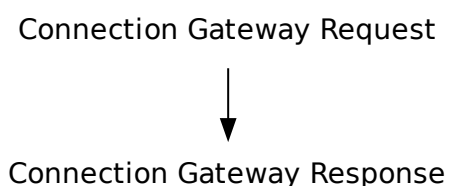
4.5 Other

ETI Message	TemplateID (28500)	Sender	FIX Message	MsgType (35)
Party Action Report	10042	ETI Gateway	PartyActionReport	DI
Trade Notification	10500	ETI Gateway	TradeCaptureReport	AE
Trade Notification Status	10501	ETI Gateway	TradingSessionStatus	h
Service Availability	10030	ETI Gateway	UserNotification	CB
News	10031	ETI Gateway	News	B
Trading Session Event	10307	ETI Gateway	TradingSessionStatus	h
Mass Cancellation Event	10308	ETI Gateway	OrderMassActionReport	BZ
Gap Fill	10032	ETI Gateway	ApplicationMessageReport	BY

5 Session Layer

5.1 Connection Gateway Request

This message is used to retrieve the assigned gateway from the connection gateway. For more details, please refer to the ETI Manual, chapter IP Addresses and Ports.



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<i><MessageHeaderIn></i>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplatID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10020 (Application-MessageRequest, MsgType = BW)
25028	NetworkMsgID	U	8	6	Fixed String	not used
25017	Pad2	U	2	14	Fixed String	not used
<i><RequestHeader></i>						
34	MsgSeqNum	Y	4	16	unsigned int	Must be set to 1.
50	SenderSubID	U	4	20	unsigned int	not used
<i><Message Body></i>						
20055	PartyIDSessionID	Y	4	24	unsigned int	Session ID.
1408	DefaultCstmAppVerID	Y	30	28	Fixed String (0-terminable)	Indicates the T7 ETI interface version the ETI gateway software uses. Valid characters: \x20,\x22-\x7B,\x7D,\x7E
554	Password	Y	32	58	Fixed String (0-terminable)	Password. Valid characters: 0-9,A-Z,a-z,\x21,\x23,\x24,\x25,\x26,\x2A,\x2B,\x2D,\x2F,\x3D,\x40,\x5F
25021	Pad6	U	6	90	Fixed String	not used

5.2 Connection Gateway Response

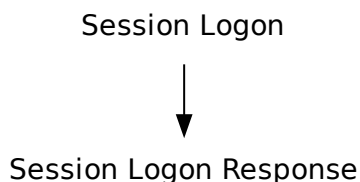
This message confirms the Connection Gateway request. For more details, please refer to the ETI Manual, chapter IP Addresses and Ports.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<i><MessageHeaderOut></i>						
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: 10021 (Application-MessageRequestAck, MsgType = BX)
25017	Pad2	U	2	6	Fixed String	not used
<i><ResponseHeader></i>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Gateway response out timestamp.
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
25019	Pad4	U	4	28	Fixed String	not used
<i><Message Body></i>						
28644	GatewayID	Y	4	32	unsigned int	IP address of the Primary Application Gateway where the member application can establish an active T7 ETI session. Note: Binary values are presented in little endian byte order.
28645	GatewaySubID	Y	4	36	unsigned int	Port number to be used for the assigned Primary Application Gateway. Note: Binary values are presented in little endian byte order.
28725	SecondaryGatewayID	Y	4	40	unsigned int	IP address of the Secondary Application Gateway where the member application can establish an active T7 ETI session. Note: Binary values are presented in little endian byte order.
28726	SecondaryGatewaySubID	Y	4	44	unsigned int	Port number to be used for the assigned Secondary Application Gateway. Note: Binary values are presented in little endian byte order.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description										
28730	SessionMode	Y	1	48	unsigned int	Session type. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>HF</td> </tr> <tr> <td>2</td> <td>LF</td> </tr> </tbody> </table>	Value	Description	1	HF	2	LF				
Value	Description															
1	HF															
2	LF															
339	TradSesMode	Y	1	49	unsigned int	Trading session mode. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	1	Development	2	Simulation	3	Production	4	Acceptance
Value	Description															
1	Development															
2	Simulation															
3	Production															
4	Acceptance															
25021	Pad6	U	6	50	Fixed String	not used										

5.3 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
<i><MessageHeaderIn></i>						
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, Msg-Type = A)
25028	NetworkMsgID	U	8	6	Fixed String	not used
25017	Pad2	U	2	14	Fixed String	not used
<i><RequestHeader></i>						
34	MsgSeqNum	Y	4	16	unsigned int	Must be set to 1.
50	SenderSubID	U	4	20	unsigned int	not used
<i><Message Body></i>						
108	HeartBtInt	N	4	24	unsigned int	Heartbeat interval in milliseconds. See also the ETI Manual, chapter Heartbeat.
20055	PartyIDSessionID	Y	4	28	unsigned int	Session ID.
1408	DefaultCstmAppVerID	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
554	Password	Y	32	62	Fixed String (0-terminable)	Password. Valid characters: 0-9,A-Z,a-z,\x21,\x23,\x24,\x25,\x26,\x2A,\x2B,\x2D,\x2F,\x3D,\x40,\x5F

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description										
25012	ApplUsageOrders	Y	1	94	char	Participant application: type of order processing. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	A	Automated	M	Manual	B	Both (Automated and Manual)	N	None
Value	Description															
A	Automated															
M	Manual															
B	Both (Automated and Manual)															
N	None															
25013	ApplUsageQuotes	Y	1	95	char	Participant application: type of quote processing. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	A	Automated	M	Manual	B	Both (Automated and Manual)	N	None
Value	Description															
A	Automated															
M	Manual															
B	Both (Automated and Manual)															
N	None															
25014	OrderRoutingIndicator	Y	1	96	char	Indicates if the participant application is an order routing system. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Y</td> <td>Yes</td> </tr> <tr> <td>N</td> <td>No</td> </tr> </tbody> </table>	Value	Description	Y	Yes	N	No				
Value	Description															
Y	Yes															
N	No															
1600	FIXEngineName	N	30	97	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	127	Fixed String (0-terminable)	Provides the version of the FIX infrastructure component. Valid characters: \x20,\x22-\x7B,\x7D,\x7E										
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										

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1603	ApplicationSystem-Name	Y	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	Y	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	Y	30	247	Fixed String (0-terminable)	Provides the vendor of the application system. Valid characters: \x20,\x22-\x7B,\x7D,\x7E
25018	Pad3	U	3	277	Fixed String	not used

5.4 Session Logon Response

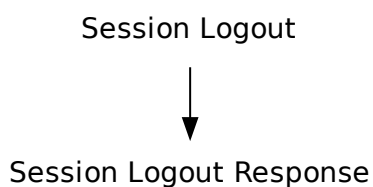
This message confirms the Session Logon request. For more details, please refer to the ETI Manual, chapters Session Authentication and Logon.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<i><MessageHeaderOut></i>						
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, Msg-Type = A)
25017	Pad2	U	2	6	Fixed String	not used
<i><ResponseHeader></i>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Gateway response out timestamp.
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
25019	Pad4	U	4	28	Fixed String	not used
<i><Message Body></i>						
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	Heartbeat interval in milliseconds. See also the ETI Manual, chapter Heartbeat.
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.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description										
1301	MarketID	Y	2	56	unsigned int	Market ID. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>XETR</td> </tr> <tr> <td>4</td> <td>XVIE</td> </tr> <tr> <td>5</td> <td>XDUB</td> </tr> <tr> <td>*</td> <td>More values</td> </tr> </tbody> </table>	Value	Description	3	XETR	4	XVIE	5	XDUB	*	More values
Value	Description															
3	XETR															
4	XVIE															
5	XDUB															
*	More values															
339	TradSesMode	Y	1	58	unsigned int	Trading session mode. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	1	Development	2	Simulation	3	Production	4	Acceptance
Value	Description															
1	Development															
2	Simulation															
3	Production															
4	Acceptance															
1408	DefaultCstmAppVerID	Y	30	59	Fixed String (0-terminable)	Indicates the T7 ETI interface version the ETI gateway software uses. Valid characters: \x20,\x22-\x7B,\x7D,\x7E										
25022	Pad7	U	7	89	Fixed String	not used										

5.5 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
<i><MessageHeaderIn></i>						
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, Msg-Type = 5)
25028	NetworkMsgID	U	8	6	Fixed String	not used
25017	Pad2	U	2	14	Fixed String	not used
<i><RequestHeader></i>						
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

5.6 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
<i><MessageHeaderOut></i>						
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, Msg-Type = 5)
25017	Pad2	U	2	6	Fixed String	not used
<i><ResponseHeader></i>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Gateway response out timestamp.
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
25019	Pad4	U	4	28	Fixed String	not used

5.7 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
<i><MessageHeaderOut></i>						
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, Msg-Type = 5)
25017	Pad2	U	2	6	Fixed String	not used
<i><NotifHeader></i>						
52	SendingTime	Y	8	8	UTCTimestamp	Gateway response out timestamp.
<i><Message Body></i>						
30354	VarTextLen	Y	2	16	Counter	Number of used bytes for field VarText (30355).
25021	Pad6	U	6	18	Fixed String	not used
30355	VarText	Y	2000	24	Variable String	Error text. Valid characters: \x09,\x0A,\x0D,\x20-\x7B,\x7D,\x7E

5.8 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
<i><MessageHeaderIn></i>						
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
25017	Pad2	U	2	14	Fixed String	not used

5.9 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
<i><MessageHeaderOut></i>						
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)
25017	Pad2	U	2	6	Fixed String	not used
<i><NotifHeader></i>						
52	SendingTime	Y	8	8	UTCTimestamp	Gateway response out timestamp.

5.10 Legal Notification

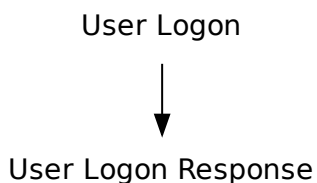
This message informs about the suspension from trading. For more details, please refer to the ETI Manual, chapter Risk Control.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description						
<i><MessageHeaderOut></i>												
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 (User-Notification, MsgType = CB)						
25017	Pad2	U	2	6	Fixed String	not used						
<i><RBCHeader></i>												
52	SendingTime	Y	8	8	UTCTimestamp	Gateway response out timestamp.						
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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>False</td> </tr> <tr> <td>1</td> <td>True</td> </tr> </tbody> </table>	Value	Description	0	False	1	True
Value	Description											
0	False											
1	True											
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>Risk Control</td> </tr> </tbody> </table>	Value	Description	6	Risk Control		
Value	Description											
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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	1	Last Message		
Value	Description											
1	Last Message											
25022	Pad7	U	7	33	Fixed String	not used						
<i><Message Body></i>												
60	TransactTime	Y	8	40	UTCTimestamp	Transaction timestamp.						
30354	VarTextLen	Y	2	48	Counter	Number of used bytes for field VarText (30355).						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description						
926	UserStatus	Y	1	50	unsigned int	The status of the User <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>Admission to trading suspended</td> </tr> <tr> <td>11</td> <td>Suspension revoked</td> </tr> </tbody> </table>	Value	Description	10	Admission to trading suspended	11	Suspension revoked
Value	Description											
10	Admission to trading suspended											
11	Suspension revoked											
25020	Pad5	U	5	51	Fixed String	not used						
30355	VarText	Y	2000	56	Variable String	Error text. Valid characters: \x09,\x0A,\x0D, \x20-\x7B,\x7D,\x7E						

5.11 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
<i><MessageHeaderIn></i>						
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
25017	Pad2	U	2	14	Fixed String	not used
<i><RequestHeader></i>						
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
<i><Message Body></i>						
553	Username	Y	4	24	unsigned int	User ID.
554	Password	Y	32	28	Fixed String (0-terminable)	Password. Valid characters: 0-9,A-Z,a-z,\x21,\x23,\x24,\x25,\x26,\x2A,\x2B,\x2D,\x2F,\x3D,\x40,\x5F
25019	Pad4	U	4	60	Fixed String	not used

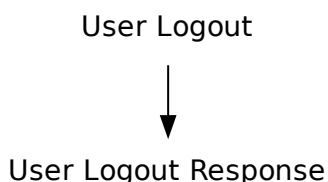
5.12 User Logon Response

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
<i><MessageHeaderOut></i>						
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 (User-Response, MsgType = BF)
25017	Pad2	U	2	6	Fixed String	not used
<i><ResponseHeader></i>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Gateway response out timestamp.
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
25019	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
<i><MessageHeaderIn></i>						
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
25017	Pad2	U	2	14	Fixed String	not used
<i><RequestHeader></i>						
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
<i><Message Body></i>						
553	Username	Y	4	24	unsigned int	User ID.
25019	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
<i><MessageHeaderOut></i>						
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 (User-Response, MsgType = BF)
25017	Pad2	U	2	6	Fixed String	not used
<i><ResponseHeader></i>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Gateway response out timestamp.
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
25019	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				
<i><MessageHeaderOut></i>										
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, Msg-Type = 5)				
25017	Pad2	U	2	6	Fixed String	not used				
<i><NotifHeader></i>										
52	SendingTime	Y	8	8	UTCTimestamp	Gateway response out timestamp.				
<i><Message Body></i>										
926	UserStatus	Y	1	16	unsigned int	The status of the User <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>7</td> <td>Forced user logout by exchange</td> </tr> </tbody> </table>	Value	Description	7	Forced user logout by exchange
Value	Description									
7	Forced user logout by exchange									
25018	Pad3	U	3	17	Fixed String	not used				
553	Username	Y	4	20	unsigned int	User ID.				
30354	VarTextLen	Y	2	24	Counter	Number of used bytes for field VarText (30355).				
25021	Pad6	U	6	26	Fixed String	not used				
30355	VarText	Y	2000	32	Variable String	Error text. Valid characters: \x09,\x0A,\x0D,\x20-\x7B,\x7D,\x7E				

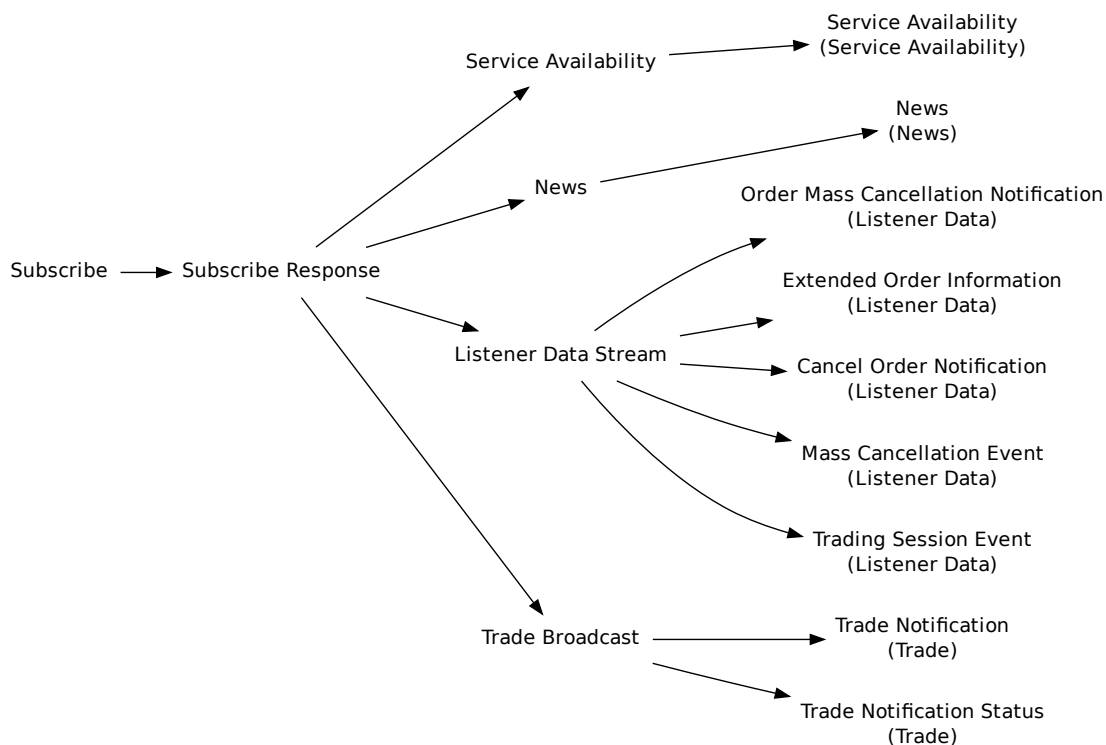
5.16 Throttle Update Notification

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

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<i><MessageHeaderOut></i>						
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 (User-Notification, MsgType = CB)
25017	Pad2	U	2	6	Fixed String	not used
<i><NotifHeader></i>						
52	SendingTime	Y	8	8	UTCTimestamp	Gateway response out timestamp.
<i><Message Body></i>						
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	ThrottleDisconnect-Limit	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.



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<i><MessageHeaderIn></i>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplatID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10025 (Application-MessageRequest, MsgType = BW)
25028	NetworkMsgID	U	8	6	Fixed String	not used
25017	Pad2	U	2	14	Fixed String	not used
<i><RequestHeader></i>						
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
<i><Message Body></i>						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description										
25001	SubscriptionScope	N	4	24	unsigned int	For filter criteria for broadcast subscription see the ETI Manual, chapter Broadcast.										
1355	RefAppIID	Y	1	28	unsigned int	Application identifier of a T7 ETI data stream. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Trade</td> </tr> <tr> <td>2</td> <td>News</td> </tr> <tr> <td>3</td> <td>Service Availability</td> </tr> <tr> <td>5</td> <td>Listener Data</td> </tr> </tbody> </table>	Value	Description	1	Trade	2	News	3	Service Availability	5	Listener Data
Value	Description															
1	Trade															
2	News															
3	Service Availability															
5	Listener Data															
25018	Pad3	U	3	29	Fixed String	not used										

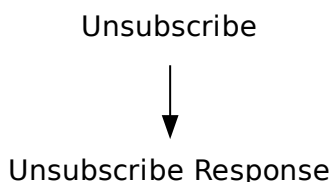
5.18 Subscribe Response

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
<i><MessageHeaderOut></i>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplatID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10005 (Application-MessageRequestAck, MsgType = BX)
25017	Pad2	U	2	6	Fixed String	not used
<i><ResponseHeader></i>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Gateway response out timestamp.
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
25019	Pad4	U	4	28	Fixed String	not used
<i><Message Body></i>						
28727	AppSubID	Y	4	32	unsigned int	Unique ID assigned by the T7 system during broadcast subscription in order to link broadcasts to the related subscription.
25019	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
<i><MessageHeaderIn></i>						
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 (Application-MessageRequest, MsgType = BW)
25028	NetworkMsgID	U	8	6	Fixed String	not used
25017	Pad2	U	2	14	Fixed String	not used
<i><RequestHeader></i>						
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
<i><Message Body></i>						
28728	RefApplSubID	Y	4	24	unsigned int	Unique ID for the subscription instance assigned by the T7 system during broadcast subscription.
25019	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.

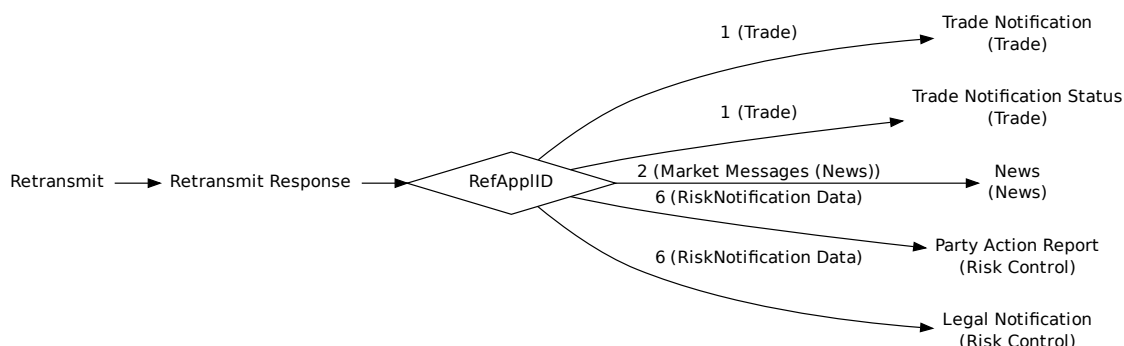
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<i><MessageHeaderOut></i>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10007 (Application-MessageRequestAck, MsgType = BX)
25017	Pad2	U	2	6	Fixed String	not used
<i><ResponseHeader></i>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Gateway response out timestamp.
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
25019	Pad4	U	4	28	Fixed String	not used

5.21 Retransmit

This message is used for re-transmission of trade, 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 \geq ApplBegSeqNum (1182) and \leq 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
- derivatives markets only: RefApplID = 7 (TES Maintenance) => request is sent to the TES Retransmission Service
- derivatives markets only: RefApplID = 8 (TES Trades) => request is sent to the TES Retransmission service

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



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<i><MessageHeaderIn></i>						
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 (Application-MessageRequest, MsgType = BW)
25028	NetworkMsgID	U	8	6	Fixed String	not used
25017	Pad2	U	2	14	Fixed String	not used
<i><RequestHeader></i>						
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
<i><Message Body></i>						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description								
1182	ApplBegSeqNum	N	8	24	SeqNum	"no value" means first known sequence number: 1								
1183	ApplEndSeqNum	N	8	32	SeqNum	Ending range of application sequence numbers.								
5948	PartitionID	Y	2	40	unsigned int	The application sequence numbers are only unique per RefAppIID, SubscriptionScope and PartionID. Therefore, the PartitionID is required to define the scope of a Retransmission Request. For News and Risk Control broadcast to be set to 0.								
1355	RefAppIID	Y	1	42	unsigned int	Application identifier of a T7 ETI data stream. <table border="1" data-bbox="1023 898 1442 1061"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Trade</td> </tr> <tr> <td>2</td> <td>News</td> </tr> <tr> <td>6</td> <td>Risk Control</td> </tr> </tbody> </table>	Value	Description	1	Trade	2	News	6	Risk Control
Value	Description													
1	Trade													
2	News													
6	Risk Control													
25020	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.

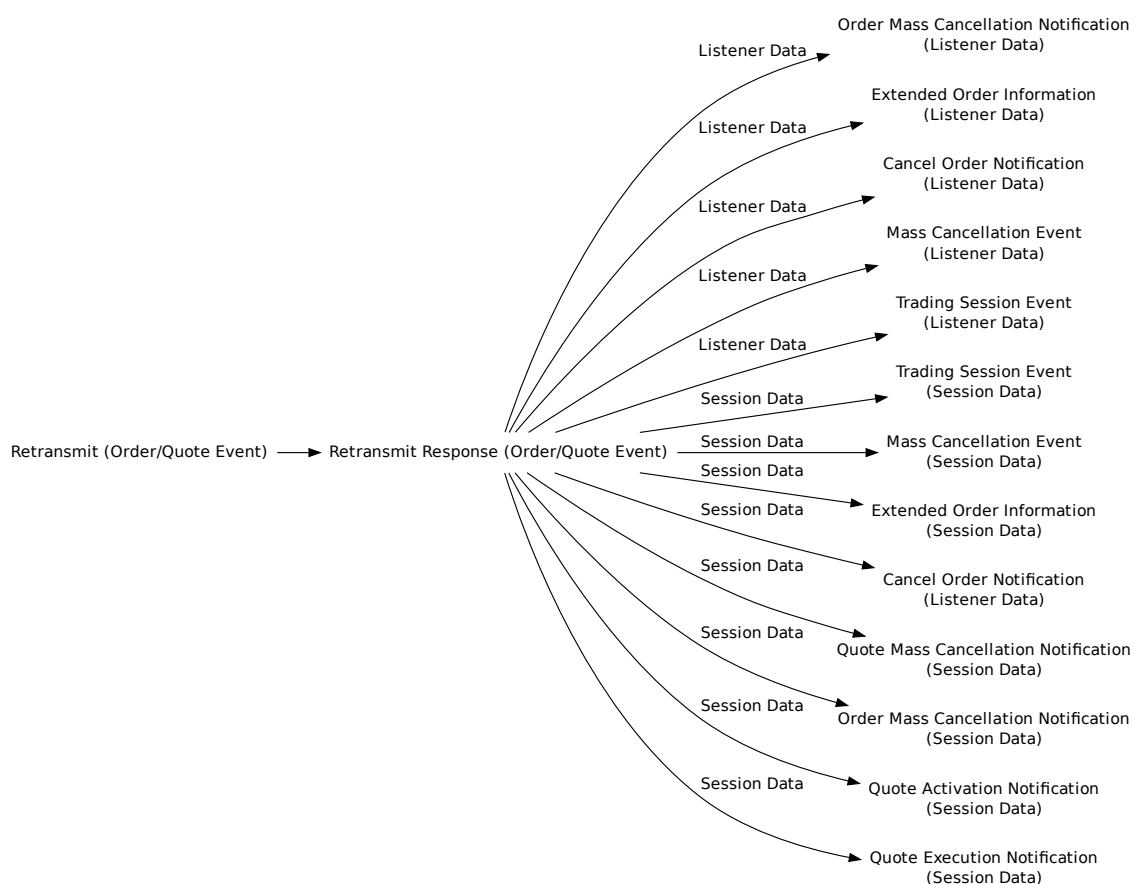
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<i><MessageHeaderOut></i>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10009 (Application-MessageRequestAck, MsgType = BX)
25017	Pad2	U	2	6	Fixed String	not used
<i><ResponseHeader></i>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Gateway response out timestamp.
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
25019	Pad4	U	4	28	Fixed String	not used
<i><Message Body></i>						
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	ApplTotalMessage-Count	Y	2	48	unsigned int	Total number of messages (fragments) included in transmission.
25021	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 $> \text{ApplBegMsgID}$ (28718) and $\leq \text{ApplEndMsgID}$ (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
<i><MessageHeaderIn></i>						
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: 10026 (Application-MessageRequest, MsgType = BW)
25028	NetworkMsgID	U	8	6	Fixed String	not used
25017	Pad2	U	2	14	Fixed String	not used
<i><RequestHeader></i>						

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	U	4	20	unsigned int	not used						
<i><Message Body></i>												
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, SubscriptionScope 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. <table border="1" data-bbox="1023 1019 1442 1144"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Session Data</td> </tr> <tr> <td>5</td> <td>Listener Data</td> </tr> </tbody> </table>	Value	Description	4	Session Data	5	Listener Data
Value	Description											
4	Session Data											
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.						
25016	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
<i><MessageHeaderOut></i>						
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 (Application-MessageRequestAck, MsgType = BX)
25017	Pad2	U	2	6	Fixed String	not used
<i><ResponseHeader></i>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Gateway response out timestamp.
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
25019	Pad4	U	4	28	Fixed String	not used
<i><Message Body></i>						
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.
25021	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				
<i><MessageHeaderOut></i>										
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, Msg-Type = 3)				
25017	Pad2	U	2	6	Fixed String	not used				
<i><NRResponseHeaderME></i>										
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.				
7764	RequestOut	N	8	16	UTCTimestamp	Timestamp the gateway sends a message to the Matching Engine				
21002	TrdRegTSTimeIn	N	8	24	UTCTimestamp	Matching engine in timestamp.				
21003	TrdRegTSTimeOut	N	8	32	UTCTimestamp	Matching engine out timestamp.				
7765	ResponseIn	N	8	40	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine				
52	SendingTime	Y	8	48	UTCTimestamp	Gateway response out timestamp.				
34	MsgSeqNum	Y	4	56	unsigned int	Message sequence number used by the participant for requests sent to the gateway.				
893	LastFragment	Y	1	60	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. <table border="1" data-bbox="1023 1480 1442 1563"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	1	Last Message
Value	Description									
1	Last Message									
25018	Pad3	U	3	61	Fixed String	not used				
<i><Message Body></i>										

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description	
373	SessionRejectReason	Y	4	64	unsigned int	Error code.	
						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	Exposure limit exceeded
						102	Service temporarily not available
						103	Service not available
						104	Result of transaction unknown
						105	Error converting response or broadcast
						152	Heartbeat violation error
						200	Internal technical error
						210	Validation Error
						211	User already logged in
						214	Session Gateway assignment expired
						215	Gateway not reserved to Session
						10000	Order not found
						10001	Price not reasonable
10002	Duplicate Order (COrdID)						
10003	another quote activation request is pending for the same Product / Instrument Type / SessionID						
10004	Book Order limit exceeded on BU level						
10005	Book Order limit exceeded on Session level						
30354	VarTextLen	Y	2	68	Counter	Number of used bytes for field VarText (30355).	

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description						
1409	SessionStatus	Y	1	70	unsigned int	Session status. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Session active</td> </tr> <tr> <td>4</td> <td>Session logout complete</td> </tr> </tbody> </table>	Value	Description	0	Session active	4	Session logout complete
Value	Description											
0	Session active											
4	Session logout complete											
25016	Pad1	U	1	71	Fixed String	not used						
30355	VarText	Y	2000	72	Variable String	Error text. Valid characters: \x09,\x0A,\x0D, \x20-\x7B,\x7D,\x7E						

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.

Session List Inquire



Session List Inquire Response

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<i><MessageHeaderIn></i>						
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 (Session-DetailsListRequest, MsgType = U5)
25028	NetworkMsgID	U	8	6	Fixed String	not used
25017	Pad2	U	2	14	Fixed String	not used
<i><RequestHeader></i>						
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 (28730) is only set for LF sessions.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description								
<i><MessageHeaderOut></i>														
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)								
25017	Pad2	U	2	6	Fixed String	not used								
<i><ResponseHeader></i>														
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.								
52	SendingTime	Y	8	16	UTCTimestamp	Gateway response out timestamp.								
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.								
25019	Pad4	U	4	28	Fixed String	not used								
<i><Message Body></i>														
28734	NoSessions	Y	2	32	Counter	Number of sessions in a response								
25021	Pad6	U	6	34	Fixed String	not used								
<i><SessionsGrp></i>						Cardinality: 1-1000, Record counter: NoSessions								
20055	>PartyIDSessionID	Y	4	40	unsigned int	Session ID.								
28730	>SessionMode	Y	1	44	unsigned int	Session type. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>HF</td> </tr> <tr> <td>2</td> <td>LF</td> </tr> <tr> <td>3</td> <td>GUI</td> </tr> </tbody> </table>	Value	Description	1	HF	2	LF	3	GUI
Value	Description													
1	HF													
2	LF													
3	GUI													
28735	>SessionSubMode	N	1	45	unsigned int	Set if SessionMode(28730) = 2(LF) <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Regular Trading Session</td> </tr> <tr> <td>1</td> <td>FIX Trading Session</td> </tr> <tr> <td>2</td> <td>Regular Back Office Session</td> </tr> </tbody> </table>	Value	Description	0	Regular Trading Session	1	FIX Trading Session	2	Regular Back Office Session
Value	Description													
0	Regular Trading Session													
1	FIX Trading Session													
2	Regular Back Office Session													
25017	>Pad2	U	2	46	Fixed String	not used								

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.

Trade Enrichment List Inquire



Trade Enrichment List Inquire Response

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<i><MessageHeaderIn></i>						
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 (Trade-EnrichmentListRequest, MsgType = U7)
25028	NetworkMsgID	U	8	6	Fixed String	not used
25017	Pad2	U	2	14	Fixed String	not used
<i><RequestHeader></i>						
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
<i><Message Body></i>						
25035	LastEntityProcessed	N	16	24	data	Paging key for reference data request

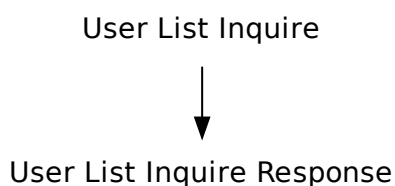
5.29 Trade Enrichment List Inquire Response

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
<i><MessageHeaderOut></i>						
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 (Trade-EnrichmentListReport, MsgType = U9)
25017	Pad2	U	2	6	Fixed String	not used
<i><ResponseHeader></i>						
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.
52	SendingTime	Y	8	16	UTCTimestamp	Gateway response out timestamp.
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.
25019	Pad4	U	4	28	Fixed String	not used
<i><Message Body></i>						
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
25021	Pad6	U	6	50	Fixed String	not used
<i><EnrichmentRulesGrp></i>						Cardinality: 0-400, Record counter: NoEnrichmentRules
25033	>EnrichmentRuleID	Y	2	56	unsigned int	Identifies an enrichment rule
25007	>FreeText1	N	12	58	Fixed String	First free-format text field for trader-specific or customer-related comments. Valid characters: \x20,\x22-\x7B,\x7D,\x7E
25107	>FreeText4	N	16	70	Fixed String	Fourth free-format text field for trader-specific or customer-related comments. Valid characters: \x20,\x22-\x7B,\x7D,\x7E
25017	>Pad2	U	2	86	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
<i><MessageHeaderIn></i>						
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 (PartyDetailListRequest, MsgType = CF)
25028	NetworkMsgID	U	8	6	Fixed String	not used
25017	Pad2	U	2	14	Fixed String	not used
<i><RequestHeader></i>						
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
<i><Message Body></i>						
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.

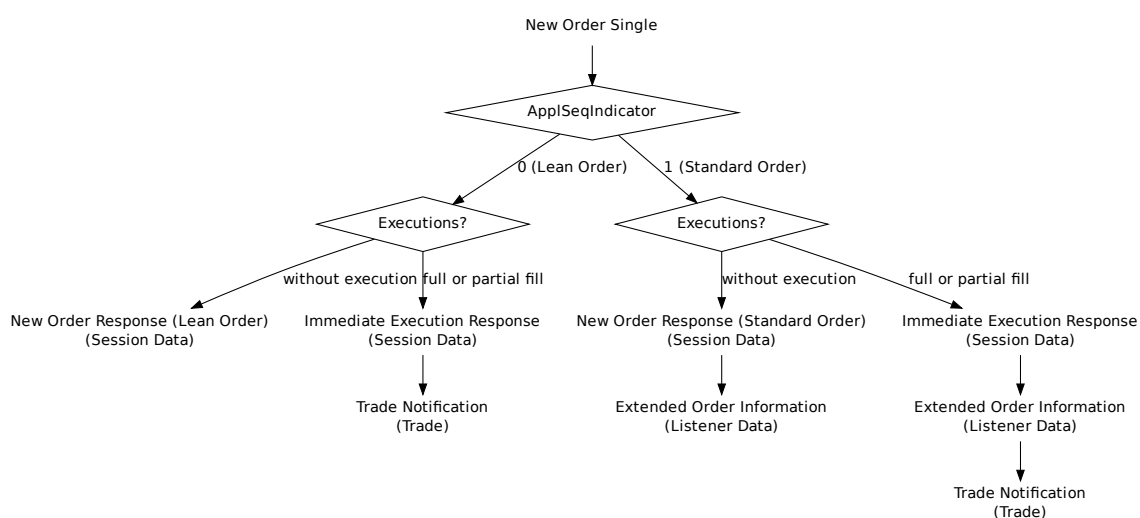
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description								
<i><MessageHeaderOut></i>														
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.								
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10039 (PartyDetailListReport, MsgType = CG)								
25017	Pad2	U	2	6	Fixed String	not used								
<i><ResponseHeader></i>														
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.								
52	SendingTime	Y	8	16	UTCTimestamp	Gateway response out timestamp.								
34	MsgSeqNum	Y	4	24	unsigned int	Message sequence number used by the participant for requests sent to the gateway.								
25019	Pad4	U	4	28	Fixed String	not used								
<i><Message Body></i>														
25035	LastEntityProcessed	N	16	32	data	Paging key for reference data request								
1671	NoPartyDetails	Y	2	48	Counter	Number of PartyDetailsGrp repeating group								
25021	Pad6	U	6	50	Fixed String	not used								
<i><PartyDetailsGrp></i>						Cardinality: 0-1000, Record counter: NoPartyDetails								
20212	>PartyDetail- IDExecutingTrader	Y	4	56	unsigned int	Trader ID								
22212	>PartyDetailExecuting- Trader	Y	6	60	Fixed String	Trader Name Valid characters: \x20,\x22-\x7B,\x7D,\x7E								
1674	>PartyDetailRole- Qualifier	Y	1	66	unsigned int	User Role <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>Trader</td> </tr> <tr> <td>11</td> <td>Head Trader</td> </tr> <tr> <td>12</td> <td>Supervisor</td> </tr> </tbody> </table>	Value	Description	10	Trader	11	Head Trader	12	Supervisor
Value	Description													
10	Trader													
11	Head Trader													
12	Supervisor													
1672	>PartyDetailStatus	Y	1	67	unsigned int	Member status. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Active</td> </tr> <tr> <td>1</td> <td>Suspend</td> </tr> </tbody> </table>	Value	Description	0	Active	1	Suspend		
Value	Description													
0	Active													
1	Suspend													

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
22276	>PartyDetailDeskID	N	3	68	Fixed String	Trader Group. Valid characters: A-Z,0-9,\x20
25016	>Pad1	U	1	71	Fixed String	not used

6 Order Handling

6.1 New Order Single

The New Order Single message is used by the participant to submit an order for single leg securities. For more details, please refer to the ETI Manual, chapter Order Types. This message is sent to the service "Order and Quote Management".



Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<i><MessageHeaderIn></i>						
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: 10100 (NewOrderSingle, MsgType = D)
25028	NetworkMsgID	U	8	6	Fixed String	not used
25017	Pad2	U	2	14	Fixed String	not used
<i><RequestHeader></i>						
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.
<i><Message Body></i>						
44	Price	N	8	24	PriceType	Limit price. Required if OrdType (40) is Limit (2) or Stop Limit (4).
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.
25109	PegOffsetValueAbs	N	8	40	PriceType	Offset for the stop limit price of a trailing stop order (as absolute value).

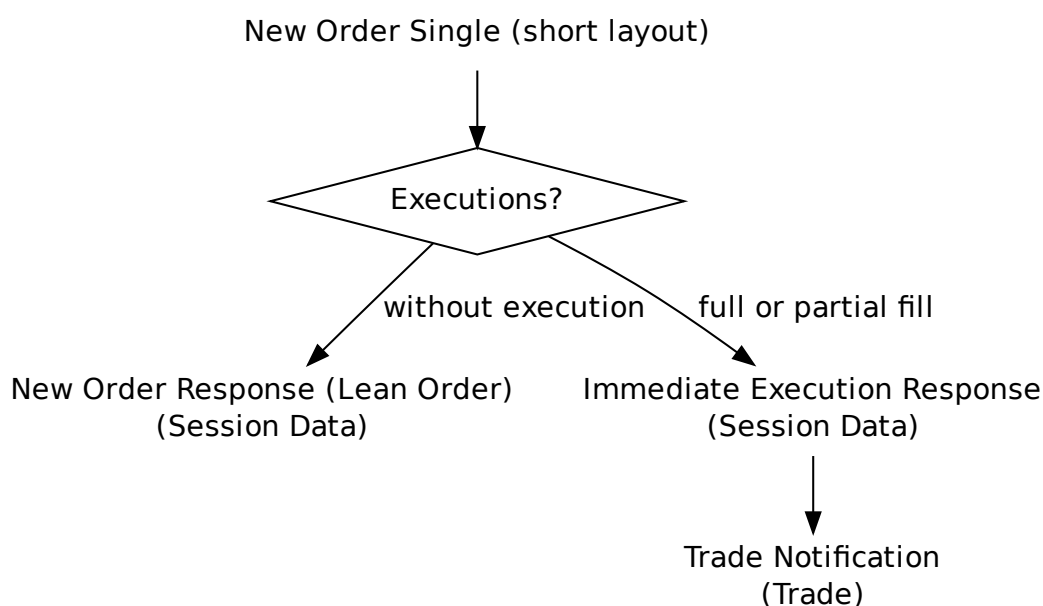
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description										
25110	PegOffsetValuePct	N	8	48	floatDecimal4	Offset for the stop limit price of a trailing stop order (as percentage).										
11	ClOrdID	N	8	56	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.										
48	SecurityID	Y	8	64	signed int	Instrument identifier.										
376	ComplianceID	N	8	72	unsigned int	For participants to uniquely identify trading strategies										
38	OrderQty	Y	4	80	Qty	Total Order Quantity.										
1138	DisplayQty	N	4	84	Qty	Display quantity for iceberg orders										
1085	DisplayLowQty	N	4	88	Qty	Minimum display quantity - used by iceberg orders with random refill										
1086	DisplayHighQty	N	4	92	Qty	Maximum display quantity - used by iceberg orders with random refill										
432	ExpireDate	N	4	96	LocalMktDate	Date of order expiry. Required if TimeInForce (59) = 6.										
1300	MarketSegmentID	Y	4	100	signed int	Product identifier.										
28744	MatchInstCrossID	N	4	104	unsigned int	Self Match Prevention ID.										
28703	ApplSeqIndicator	Y	1	108	unsigned int	Indicates if the order is a Lean Order or a Standard Order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>No Recovery Required</td> </tr> <tr> <td>1</td> <td>Recovery Required</td> </tr> </tbody> </table>	Value	Description	0	No Recovery Required	1	Recovery Required				
Value	Description															
0	No Recovery Required															
1	Recovery Required															
54	Side	Y	1	109	unsigned int	Side of the order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Buy</td> </tr> <tr> <td>2</td> <td>Sell</td> </tr> </tbody> </table>	Value	Description	1	Buy	2	Sell				
Value	Description															
1	Buy															
2	Sell															
40	OrdType	Y	1	110	unsigned int	Order type. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	1	Market	2	Limit	3	Stop	4	Stop Limit
Value	Description															
1	Market															
2	Limit															
3	Stop															
4	Stop Limit															

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description												
28710	PriceValidityCheckType	Y	1	111	unsigned int	<p>Indicator how price validity check should be performed by the exchange (see the ETI Manual, chapter Price Reasonability Check).</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>None</td> </tr> <tr> <td>2</td> <td>Mandatory</td> </tr> </tbody> </table>	Value	Description	0	None	2	Mandatory						
Value	Description																	
0	None																	
2	Mandatory																	
59	TimeInForce	Y	1	112	unsigned int	<p>Execution and trading restriction parameters supported by T7.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	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
Value	Description																	
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	Y	1	113	unsigned int	<p>Instructions for order handling.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	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')		
Value	Description																	
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	114	unsigned int	<p>Marks a certain order as a closing auction one.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	2	Opening or opening auction	4	Closing or closing auction	8	Any auction				
Value	Description																	
2	Opening or opening auction																	
4	Closing or closing auction																	
8	Any auction																	

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description								
1815	TradingCapacity	Y	1	115	unsigned int	<p>This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Customer (Agency)</td> </tr> <tr> <td>5</td> <td>Principal (Proprietary)</td> </tr> <tr> <td>6</td> <td>MarketMaker</td> </tr> </tbody> </table>	Value	Description	1	Customer (Agency)	5	Principal (Proprietary)	6	MarketMaker
Value	Description													
1	Customer (Agency)													
5	Principal (Proprietary)													
6	MarketMaker													
25007	FreeText1	N	12	116	Fixed String	<p>First free-format text field for trader-specific or customer-related comments.</p> <p>Valid characters: \x20,\x22-\x7B,\x7D,\x7E</p>								
25107	FreeText4	N	16	128	Fixed String	<p>Fourth free-format text field for trader-specific or customer-related comments.</p> <p>Valid characters: \x20,\x22-\x7B,\x7D,\x7E</p>								

6.2 New Order Single (short layout)

This short order message layout is used by the participant to submit an order in a simple 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
<i><MessageHeaderIn></i>						
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: 10125 (NewOrderSingle, MsgType = D)
25028	NetworkMsgID	U	8	6	Fixed String	not used
25017	Pad2	U	2	14	Fixed String	not used
<i><RequestHeader></i>						
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.
<i><Message Body></i>						
48	SecurityID	Y	8	24	signed int	Instrument identifier.
44	Price	Y	8	32	PriceType	Limit price.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description								
11	ClOrdID	Y	8	40	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.								
376	ComplianceID	N	8	48	unsigned int	For participants to uniquely identify trading strategies								
38	OrderQty	Y	4	56	Qty	Total Order Quantity.								
28744	MatchInstCrossID	N	4	60	unsigned int	Self Match Prevention ID.								
25033	EnrichmentRuleID	N	2	64	unsigned int	Identifies an enrichment rule								
54	Side	Y	1	66	unsigned int	Side of the order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Buy</td> </tr> <tr> <td>2</td> <td>Sell</td> </tr> </tbody> </table>	Value	Description	1	Buy	2	Sell		
Value	Description													
1	Buy													
2	Sell													
28710	PriceValidityCheckType	Y	1	67	unsigned int	Indicator how price validity check should be performed by the exchange (see the ETI Manual, chapter Price Reasonability Check). <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>None</td> </tr> <tr> <td>2</td> <td>Mandatory</td> </tr> </tbody> </table>	Value	Description	0	None	2	Mandatory		
Value	Description													
0	None													
2	Mandatory													
59	TimeInForce	Y	1	68	unsigned int	Execution and trading restriction parameters supported by T7. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Day (GFD)</td> </tr> <tr> <td>3</td> <td>Immediate or Cancel (IOC)</td> </tr> <tr> <td>4</td> <td>Fill Or Kill (FOK)</td> </tr> </tbody> </table>	Value	Description	0	Day (GFD)	3	Immediate or Cancel (IOC)	4	Fill Or Kill (FOK)
Value	Description													
0	Day (GFD)													
3	Immediate or Cancel (IOC)													
4	Fill Or Kill (FOK)													
18	ExecInst	Y	1	69	unsigned int	Instructions for order handling. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>Non-persistent Order (FIX value 'Q')</td> </tr> <tr> <td>6</td> <td>Non-persistent and Book or Cancel order (FIX value 'Q 6')</td> </tr> </tbody> </table>	Value	Description	2	Non-persistent Order (FIX value 'Q')	6	Non-persistent and Book or Cancel order (FIX value 'Q 6')		
Value	Description													
2	Non-persistent Order (FIX value 'Q')													
6	Non-persistent and Book or Cancel order (FIX value 'Q 6')													

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description								
1815	TradingCapacity	Y	1	70	unsigned int	<p>This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Customer (Agency)</td> </tr> <tr> <td>5</td> <td>Principal (Proprietary)</td> </tr> <tr> <td>6</td> <td>MarketMaker</td> </tr> </tbody> </table>	Value	Description	1	Customer (Agency)	5	Principal (Proprietary)	6	MarketMaker
Value	Description													
1	Customer (Agency)													
5	Principal (Proprietary)													
6	MarketMaker													
25016	Pad1	U	1	71	Fixed String	not used								

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				
<i><MessageHeaderOut></i>										
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 (Execution-Report, MsgType = 8)				
25017	Pad2	U	2	6	Fixed String	not used				
<i><ResponseHeaderME></i>										
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.				
7764	RequestOut	Y	8	16	UTCTimestamp	Timestamp the gateway sends a message to the Matching Engine				
21002	TrdRegTSTimeIn	Y	8	24	UTCTimestamp	Matching engine in timestamp.				
21003	TrdRegTSTimeOut	Y	8	32	UTCTimestamp	Matching engine out timestamp.				
7765	ResponseIn	Y	8	40	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine				
52	SendingTime	Y	8	48	UTCTimestamp	Gateway response out timestamp.				
34	MsgSeqNum	Y	4	56	unsigned int	Message sequence number used by the participant for requests sent to the gateway.				
5948	PartitionID	Y	2	60	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.				
1180	AppIID	Y	1	62	unsigned int	Identifier for an ETI data stream. <table border="1" data-bbox="1023 1476 1442 1563"> <tr> <th>Value</th> <th>Description</th> </tr> <tr> <td>4</td> <td>Session Data</td> </tr> </table>	Value	Description	4	Session Data
Value	Description									
4	Session Data									
28704	AppIMsgID	Y	16	63	data	Application message identifier assigned to an order or quote event.				
893	LastFragment	Y	1	79	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. <table border="1" data-bbox="1023 1839 1442 1926"> <tr> <th>Value</th> <th>Description</th> </tr> <tr> <td>1</td> <td>Last Message</td> </tr> </table>	Value	Description	1	Last Message
Value	Description									
1	Last Message									
<i><Message Body></i>										
37	OrderID	Y	8	80	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	88	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.										
48	SecurityID	Y	8	96	signed int	Instrument identifier.										
17	ExecID	Y	8	104	UTCTimestamp	Transaction timestamp.										
21009	TrdRegTSEntryTime	Y	8	112	UTCTimestamp	The entry timestamp is the time of the creation of the order.										
21008	TrdRegTSTimePriority	Y	8	120	UTCTimestamp	Priority timestamp.										
25108	OrderIDSfx	Y	4	128	unsigned int	System order version number.										
39	OrdStatus	Y	1	132	char	Conveys the current status of an order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>New</td> </tr> <tr> <td>4</td> <td>Cancelled</td> </tr> <tr> <td>9</td> <td>Suspended</td> </tr> </tbody> </table>	Value	Description	0	New	4	Cancelled	9	Suspended		
Value	Description															
0	New															
4	Cancelled															
9	Suspended															
150	ExecType	Y	1	133	char	The reason why this message was generated. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>New</td> </tr> <tr> <td>4</td> <td>Cancelled</td> </tr> <tr> <td>L</td> <td>Triggered</td> </tr> </tbody> </table>	Value	Description	0	New	4	Cancelled	L	Triggered		
Value	Description															
0	New															
4	Cancelled															
L	Triggered															
378	ExecRestatement-Reason	Y	2	134	unsigned int	Code to further qualify the field ExecType (150) of the Execution Report (8) message. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	101	Order add accepted	105	IOC Order accepted	212	Book or Cancel Order accepted	107	FOK Order accepted
Value	Description															
101	Order add accepted															
105	IOC Order accepted															
212	Book or Cancel Order accepted															
107	FOK Order accepted															
28745	Crossed	Y	1	136	unsigned int	Indicates SMP involvement. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	0	No crossing (Order not subject to crossing)	1	Cross rejected (Order subject to crossing and match prevented)				
Value	Description															
0	No crossing (Order not subject to crossing)															
1	Cross rejected (Order subject to crossing and match prevented)															

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description								
1823	Triggered	Y	1	137	unsigned int	Indicates if an order has been previously triggered. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	0	Not Triggered	1	Triggered Stop	2	Triggered OCO
Value	Description													
0	Not Triggered													
1	Triggered Stop													
2	Triggered OCO													
25021	Pad6	U	6	138	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				
<i><MessageHeaderOut></i>										
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 (Execution-Report, MsgType = 8)				
25017	Pad2	U	2	6	Fixed String	not used				
<i><NRResponseHeaderME></i>										
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.				
7764	RequestOut	Y	8	16	UTCTimestamp	Timestamp the gateway sends a message to the Matching Engine				
21002	TrdRegTSTimeIn	Y	8	24	UTCTimestamp	Matching engine in timestamp.				
21003	TrdRegTSTimeOut	Y	8	32	UTCTimestamp	Matching engine out timestamp.				
7765	ResponseIn	Y	8	40	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine				
52	SendingTime	Y	8	48	UTCTimestamp	Gateway response out timestamp.				
34	MsgSeqNum	Y	4	56	unsigned int	Message sequence number used by the participant for requests sent to the gateway.				
893	LastFragment	Y	1	60	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. <table border="1" data-bbox="1023 1473 1442 1563"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	1	Last Message
Value	Description									
1	Last Message									
25018	Pad3	U	3	61	Fixed String	not used				
<i><Message Body></i>										
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.				
48	SecurityID	Y	8	80	signed int	Instrument identifier.				
17	ExecID	Y	8	88	UTCTimestamp	Transaction timestamp.				
25108	OrderIDSfx	Y	4	96	unsigned int	System order version number.				

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description										
39	OrdStatus	Y	1	100	char	<p>Conveys the current status of an order.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>New</td> </tr> <tr> <td>4</td> <td>Cancelled</td> </tr> <tr> <td>9</td> <td>Suspended</td> </tr> </tbody> </table>	Value	Description	0	New	4	Cancelled	9	Suspended		
Value	Description															
0	New															
4	Cancelled															
9	Suspended															
150	ExecType	Y	1	101	char	<p>The reason why this message was generated.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>New</td> </tr> <tr> <td>4</td> <td>Cancelled</td> </tr> <tr> <td>L</td> <td>Triggered</td> </tr> </tbody> </table>	Value	Description	0	New	4	Cancelled	L	Triggered		
Value	Description															
0	New															
4	Cancelled															
L	Triggered															
378	ExecRestatement-Reason	Y	2	102	unsigned int	<p>Code to further qualify the field ExecType (150) of the Execution Report (8) message.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	101	Order add accepted	105	IOC Order accepted	212	Book or Cancel Order accepted	107	FOK Order accepted
Value	Description															
101	Order add accepted															
105	IOC Order accepted															
212	Book or Cancel Order accepted															
107	FOK Order accepted															
28745	Crossed	Y	1	104	unsigned int	<p>Indicates SMP involvement.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	0	No crossing (Order not subject to crossing)	1	Cross rejected (Order subject to crossing and match prevented)				
Value	Description															
0	No crossing (Order not subject to crossing)															
1	Cross rejected (Order subject to crossing and match prevented)															
1823	Triggered	Y	1	105	unsigned int	<p>Indicates if an order has been previously triggered.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	0	Not Triggered	1	Triggered Stop	2	Triggered OCO		
Value	Description															
0	Not Triggered															
1	Triggered Stop															
2	Triggered OCO															
25021	Pad6	U	6	106	Fixed String	not used										

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						
<i><MessageHeaderOut></i>												
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 (Execution-Report, MsgType = 8)						
25017	Pad2	U	2	6	Fixed String	not used						
<i><ResponseHeaderME></i>												
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.						
7764	RequestOut	Y	8	16	UTCTimestamp	Timestamp the gateway sends a message to the Matching Engine						
21002	TrdRegTSTimeIn	Y	8	24	UTCTimestamp	Matching engine in timestamp.						
21003	TrdRegTSTimeOut	Y	8	32	UTCTimestamp	Matching engine out timestamp.						
7765	ResponseIn	Y	8	40	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine						
52	SendingTime	Y	8	48	UTCTimestamp	Gateway response out timestamp.						
34	MsgSeqNum	Y	4	56	unsigned int	Message sequence number used by the participant for requests sent to the gateway.						
5948	PartitionID	Y	2	60	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.						
1180	ApplID	Y	1	62	unsigned int	Identifier for an ETI data stream. <table border="1" data-bbox="1023 1518 1442 1601"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Session Data</td> </tr> </tbody> </table>	Value	Description	4	Session Data		
Value	Description											
4	Session Data											
28704	ApplMsgID	N	16	63	data	Not set if the submitting session is not the owner of the executed order.						
893	LastFragment	Y	1	79	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. <table border="1" data-bbox="1023 1883 1442 2002"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Not Last Message</td> </tr> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	0	Not Last Message	1	Last Message
Value	Description											
0	Not Last Message											
1	Last Message											
<i><Message Body></i>												

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description												
37	OrderID	Y	8	80	unsigned int	Exchange Order ID generated by the T7 System; it remains constant over the lifetime of an order.												
11	ClOrdID	N	8	88	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.												
41	OrigClOrdID	N	8	96	unsigned int	ClOrdID (11) of the last successfully processed task (request) referring to the specific order.												
48	SecurityID	Y	8	104	signed int	Instrument identifier.												
17	ExecID	Y	8	112	UTCTimestamp	Transaction timestamp.												
21009	TrdRegTSEntryTime	N	8	120	UTCTimestamp	The entry timestamp is the time of the creation of the order.												
21008	TrdRegTSTimePriority	N	8	128	UTCTimestamp	Priority timestamp.												
1300	MarketSegmentID	Y	4	136	signed int	Product identifier.												
25108	OrderIDSfx	Y	4	140	unsigned int	System order version number.												
151	LeavesQty	Y	4	144	Qty	Remaining quantity of an order.												
14	CumQty	Y	4	148	Qty	Cumulated executed quantity of an order.												
84	CxlQty	Y	4	152	Qty	Total quantity cancelled for this order.												
1138	DisplayQty	N	4	156	Qty	Display quantity for iceberg orders												
378	ExecRestatement-Reason	Y	2	160	unsigned int	Code to further qualify the field ExecType (150) of the Execution Report (8) message. <table border="1" data-bbox="1023 1384 1442 1630"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>Order add accepted</td> </tr> <tr> <td>102</td> <td>Order modify accepted</td> </tr> <tr> <td>105</td> <td>IOC Order accepted</td> </tr> <tr> <td>107</td> <td>FOK Order accepted</td> </tr> <tr> <td>181</td> <td>Ownership Changed</td> </tr> </tbody> </table>	Value	Description	101	Order add accepted	102	Order modify accepted	105	IOC Order accepted	107	FOK Order accepted	181	Ownership Changed
Value	Description																	
101	Order add accepted																	
102	Order modify accepted																	
105	IOC Order accepted																	
107	FOK Order accepted																	
181	Ownership Changed																	
54	Side	Y	1	162	unsigned int	Side of the order. <table border="1" data-bbox="1023 1704 1442 1827"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Buy</td> </tr> <tr> <td>2</td> <td>Sell</td> </tr> </tbody> </table>	Value	Description	1	Buy	2	Sell						
Value	Description																	
1	Buy																	
2	Sell																	

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description								
39	OrdStatus	Y	1	163	char	Conveys the current status of an order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	1	Partially filled	2	Filled	4	Cancelled
Value	Description													
1	Partially filled													
2	Filled													
4	Cancelled													
150	ExecType	Y	1	164	char	The reason why this message was generated. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>F</td> <td>Trade</td> </tr> </tbody> </table>	Value	Description	F	Trade				
Value	Description													
F	Trade													
1823	Triggered	Y	1	165	unsigned int	Indicates if an order has been previously triggered. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	0	Not Triggered	1	Triggered Stop	2	Triggered OCO
Value	Description													
0	Not Triggered													
1	Triggered Stop													
2	Triggered OCO													
28745	Crossed	Y	1	166	unsigned int	Indicates SMP involvement. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	0	No crossing (Order not subject to crossing)	1	Cross rejected (Order subject to crossing and match prevented)		
Value	Description													
0	No crossing (Order not subject to crossing)													
1	Cross rejected (Order subject to crossing and match prevented)													
1362	NoFills	Y	1	167	Counter	Specifies the number of partial fills included in this Execution Report.								
<FillsGrp>						Cardinality: 0-100, Record counter: NoFills								
1364	>FillPx	Y	8	168	PriceType	Price of Fill.								
1365	>FillQty	Y	4	176	Qty	Quantity of Fill.								
28708	>FillMatchID	Y	4	180	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	184	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	188	unsigned int	Indicates whether the order added or removed liquidity. Required only for execution reports generated for fills. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>Removed Liquidity</td> </tr> <tr> <td>5</td> <td>Triggered Stop Order</td> </tr> </tbody> </table>	Value	Description	2	Removed Liquidity	5	Triggered Stop Order
Value	Description											
2	Removed Liquidity											
5	Triggered Stop Order											
25018	>Pad3	U	3	189	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						
<i><MessageHeaderOut></i>												
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 (Execution-Report, MsgType = 8)						
25017	Pad2	U	2	6	Fixed String	not used						
<i><RBCHeaderME></i>												
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	Gateway response out timestamp.						
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. <table border="1" data-bbox="1023 1355 1442 1440"> <tr> <th>Value</th> <th>Description</th> </tr> <tr> <td>4</td> <td>Session Data</td> </tr> </table>	Value	Description	4	Session Data		
Value	Description											
4	Session Data											
1352	ApplResendFlag	Y	1	55	unsigned int	Indicates a retransmission message. <table border="1" data-bbox="1023 1525 1442 1646"> <tr> <th>Value</th> <th>Description</th> </tr> <tr> <td>0</td> <td>False</td> </tr> <tr> <td>1</td> <td>True</td> </tr> </table>	Value	Description	0	False	1	True
Value	Description											
0	False											
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. <table border="1" data-bbox="1023 1843 1442 1964"> <tr> <th>Value</th> <th>Description</th> </tr> <tr> <td>0</td> <td>Not Last Message</td> </tr> <tr> <td>1</td> <td>Last Message</td> </tr> </table>	Value	Description	0	Not Last Message	1	Last Message
Value	Description											
0	Not Last Message											
1	Last Message											
25022	Pad7	U	7	57	Fixed String	not used						
<i><Message Body></i>												

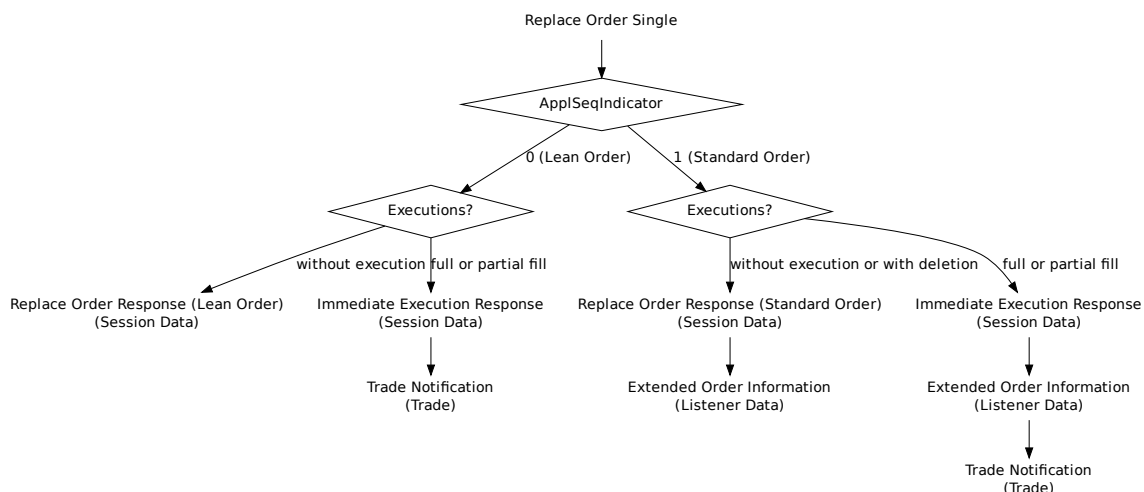
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description																				
37	OrderID	Y	8	64	unsigned int	Exchange Order ID generated by the T7 System; it remains constant over the lifetime of an order.																				
11	ClOrdID	N	8	72	unsigned int	Client Order ID: Unique participant defined order request 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.																				
1300	MarketSegmentID	Y	4	104	signed int	Product identifier.																				
25108	OrderIDSfx	Y	4	108	unsigned int	System order version number.																				
151	LeavesQty	Y	4	112	Qty	Remaining quantity of an order.																				
14	CumQty	Y	4	116	Qty	Cumulated executed quantity of an order.																				
84	CxlQty	Y	4	120	Qty	Total quantity cancelled for this order.																				
1138	DisplayQty	N	4	124	Qty	Display quantity for iceberg orders																				
378	ExecRestatement-Reason	Y	2	128	unsigned int	Code to further qualify the field ExecType (150) of the Execution Report (8) message. <table border="1" data-bbox="1023 1261 1442 1906"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>Order add accepted</td> </tr> <tr> <td>108</td> <td>Book Order executed</td> </tr> <tr> <td>135</td> <td>Market Order triggered and executed</td> </tr> <tr> <td>164</td> <td>One-cancels-the-other Order has been triggered</td> </tr> <tr> <td>172</td> <td>Stop Order has been triggered</td> </tr> <tr> <td>150</td> <td>Closing Auction Order has been inactivated</td> </tr> <tr> <td>199</td> <td>Pending order cancellation executed (end of FREEZE state)</td> </tr> <tr> <td>181</td> <td>Ownership Changed</td> </tr> <tr> <td>155</td> <td>Order refreshed</td> </tr> </tbody> </table>	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	199	Pending order cancellation executed (end of FREEZE state)	181	Ownership Changed	155	Order refreshed
Value	Description																									
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Tag	Field Name	Req'd	Len	Ofs	Data Type	Description										
54	Side	Y	1	130	unsigned int	Side of the order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Buy</td> </tr> <tr> <td>2</td> <td>Sell</td> </tr> </tbody> </table>	Value	Description	1	Buy	2	Sell				
Value	Description															
1	Buy															
2	Sell															
39	OrdStatus	Y	1	131	char	Conveys the current status of an order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	1	Partially filled	2	Filled	9	Suspended	4	Cancelled
Value	Description															
1	Partially filled															
2	Filled															
9	Suspended															
4	Cancelled															
150	ExecType	Y	1	132	char	The reason why this message was generated. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>F</td> <td>Trade</td> </tr> <tr> <td>9</td> <td>Suspended</td> </tr> </tbody> </table>	Value	Description	F	Trade	9	Suspended				
Value	Description															
F	Trade															
9	Suspended															
1823	Triggered	Y	1	133	unsigned int	Indicates if an order has been previously triggered. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	0	Not Triggered	1	Triggered Stop	2	Triggered OCO		
Value	Description															
0	Not Triggered															
1	Triggered Stop															
2	Triggered OCO															
28745	Crossed	Y	1	134	unsigned int	Indicates SMP involvement. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	0	No crossing (Order not subject to crossing)	1	Cross rejected (Order subject to crossing and match prevented)				
Value	Description															
0	No crossing (Order not subject to crossing)															
1	Cross rejected (Order subject to crossing and match prevented)															
1362	NoFills	Y	1	135	Counter	Specifies the number of partial fills included in this Execution Report.										
<FillsGrp>						Cardinality: 0-100, Record counter: NoFills										
1364	>FillPx	Y	8	136	PriceType	Price of Fill.										
1365	>FillQty	Y	4	144	Qty	Quantity of Fill.										
28708	>FillMatchID	Y	4	148	unsigned int	Unique identifier for each price level (match step) of a match event; it is used for public trade reporting.										

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description										
1363	>FillExecID	Y	4	152	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	156	unsigned int	Indicates whether the order added or removed liquidity. Required only for execution reports generated for fills. <table border="1" data-bbox="1023 667 1447 869"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Added Liquidity</td> </tr> <tr> <td>5</td> <td>Triggered Stop Order</td> </tr> <tr> <td>6</td> <td>Triggered OCO Order</td> </tr> <tr> <td>7</td> <td>Triggered Market Order</td> </tr> </tbody> </table>	Value	Description	1	Added Liquidity	5	Triggered Stop Order	6	Triggered OCO Order	7	Triggered Market Order
Value	Description															
1	Added Liquidity															
5	Triggered Stop Order															
6	Triggered OCO Order															
7	Triggered Market Order															
25018	>Pad3	U	3	157	Fixed String	not used										

6.7 Replace Order Single

This message is used to replace an existing order in a simple 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
<i><MessageHeaderIn></i>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplatID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10106 (OrderCancel-ReplaceRequest, MsgType = G)
25028	NetworkMsgID	U	8	6	Fixed String	not used
25017	Pad2	U	2	14	Fixed String	not used
<i><RequestHeader></i>						
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.
<i><Message Body></i>						
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.

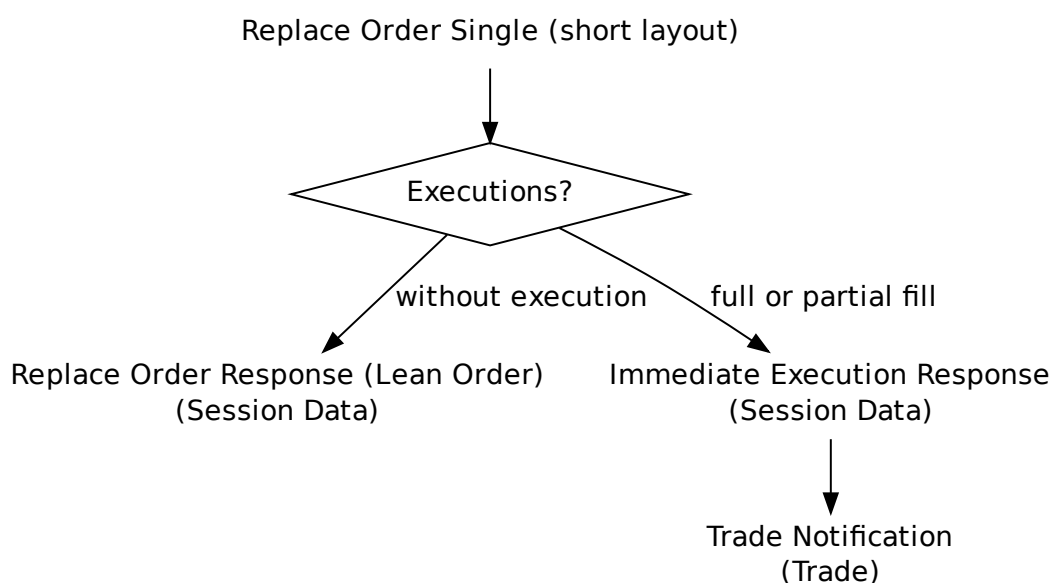
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description										
48	SecurityID	Y	8	48	signed int	Instrument identifier.										
44	Price	N	8	56	PriceType	Limit price. Required if OrdType (40) is Limit (2) or Stop Limit (4).										
99	StopPx	N	8	64	PriceType	Stop price. Required if OrdType (40) is Stop (3) or used as the trigger price for an One-cancels-the-other order.										
25109	PegOffsetValueAbs	N	8	72	PriceType	Offset for the stop limit price of a trailing stop order (as absolute value).										
25110	PegOffsetValuePct	N	8	80	floatDecimal4	Offset for the stop limit price of a trailing stop order (as percentage).										
376	ComplianceID	N	8	88	unsigned int	For participants to uniquely identify trading strategies										
38	OrderQty	Y	4	96	Qty	Total Order Quantity.										
1138	DisplayQty	N	4	100	Qty	Display quantity for iceberg orders										
1085	DisplayLowQty	N	4	104	Qty	Minimum display quantity - used by iceberg orders with random refill										
1086	DisplayHighQty	N	4	108	Qty	Maximum display quantity - used by iceberg orders with random refill										
432	ExpireDate	N	4	112	LocalMktDate	Date of order expiry. Required if TimeInForce (59) = 6.										
1300	MarketSegmentID	Y	4	116	signed int	Product identifier.										
28744	MatchInstCrossID	N	4	120	unsigned int	Self Match Prevention ID.										
20655	TargetPartyIDSessionID	N	4	124	unsigned int	Session ID.										
28703	AppSeqIndicator	Y	1	128	unsigned int	Indicates if the order is a Lean Order or a Standard Order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>No Recovery Required</td> </tr> <tr> <td>1</td> <td>Recovery Required</td> </tr> </tbody> </table>	Value	Description	0	No Recovery Required	1	Recovery Required				
Value	Description															
0	No Recovery Required															
1	Recovery Required															
54	Side	Y	1	129	unsigned int	Side of the order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Buy</td> </tr> <tr> <td>2</td> <td>Sell</td> </tr> </tbody> </table>	Value	Description	1	Buy	2	Sell				
Value	Description															
1	Buy															
2	Sell															
40	OrdType	Y	1	130	unsigned int	Order type. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	1	Market	2	Limit	3	Stop	4	Stop Limit
Value	Description															
1	Market															
2	Limit															
3	Stop															
4	Stop Limit															

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description												
28710	PriceValidityCheckType	Y	1	131	unsigned int	<p>Indicator how price validity check should be performed by the exchange (see the ETI Manual, chapter Price Reasonability Check).</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>None</td> </tr> <tr> <td>2</td> <td>Mandatory</td> </tr> </tbody> </table>	Value	Description	0	None	2	Mandatory						
Value	Description																	
0	None																	
2	Mandatory																	
59	TimeInForce	Y	1	132	unsigned int	<p>Execution and trading restriction parameters supported by T7.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	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
Value	Description																	
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	Y	1	133	unsigned int	<p>Instructions for order handling.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	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')		
Value	Description																	
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	134	unsigned int	<p>Marks a certain order as a closing auction one.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	2	Opening or opening auction	4	Closing or closing auction	8	Any auction				
Value	Description																	
2	Opening or opening auction																	
4	Closing or closing auction																	
8	Any auction																	

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description								
28749	StopPxIndicator	N	1	135	unsigned int	<p>The StopPxIndicator applies to trailing stop orders only. Because of continuous updates of the trailing stopPx on the T7 matching engine, some users may decide to keep the T7 generated T7 stop price and thus do not want to explicitly overwrite the stopPx as part of the replace order message. This can be achieved setting the stopPxIndicator to do not overwrite.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Do not overwrite</td> </tr> <tr> <td>1</td> <td>Overwrite</td> </tr> </tbody> </table>	Value	Description	0	Do not overwrite	1	Overwrite		
Value	Description													
0	Do not overwrite													
1	Overwrite													
1815	TradingCapacity	Y	1	136	unsigned int	<p>This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Customer (Agency)</td> </tr> <tr> <td>5</td> <td>Principal (Proprietary)</td> </tr> <tr> <td>6</td> <td>MarketMaker</td> </tr> </tbody> </table>	Value	Description	1	Customer (Agency)	5	Principal (Proprietary)	6	MarketMaker
Value	Description													
1	Customer (Agency)													
5	Principal (Proprietary)													
6	MarketMaker													
28743	OwnershipIndicator	Y	1	137	unsigned int	<p>Indicator to change the ownership of an order</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Do not change ownership</td> </tr> <tr> <td>1</td> <td>Change ownership to executing party (User ID)</td> </tr> </tbody> </table>	Value	Description	0	Do not change ownership	1	Change ownership to executing party (User ID)		
Value	Description													
0	Do not change ownership													
1	Change ownership to executing party (User ID)													
25007	FreeText1	N	12	138	Fixed String	<p>First free-format text field for trader-specific or customer-related comments.</p> <p>Valid characters: \x20,\x22-\x7B,\x7D,\x7E</p>								
25107	FreeText4	N	16	150	Fixed String	<p>Fourth free-format text field for trader-specific or customer-related comments.</p> <p>Valid characters: \x20,\x22-\x7B,\x7D,\x7E</p>								
25017	Pad2	U	2	166	Fixed String	not used								

6.8 Replace Order Single (short layout)

This short order message layout is used by the participant to replace an order in a simple 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
<i><MessageHeaderIn></i>						
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: 10126 (OrderCancel-ReplaceRequest, MsgType = G)
25028	NetworkMsgID	U	8	6	Fixed String	not used
25017	Pad2	U	2	14	Fixed String	not used
<i><RequestHeader></i>						
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.
<i><Message Body></i>						
11	ClOrdID	N	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								
41	OrigCOrdID	Y	8	32	unsigned int	COrdID (11) of the last successfully processed task (request) referring to the specific order.								
48	SecurityID	Y	8	40	signed int	Instrument identifier.								
44	Price	Y	8	48	PriceType	Limit price. Required if OrdType (40) is Limit (2) or Stop Limit (4).								
376	ComplianceID	N	8	56	unsigned int	For participants to uniquely identify trading strategies								
38	OrderQty	Y	4	64	Qty	Total Order Quantity.								
28744	MatchInstCrossID	N	4	68	unsigned int	Self Match Prevention ID.								
25033	EnrichmentRuleID	N	2	72	unsigned int	Identifies an enrichment rule								
54	Side	Y	1	74	unsigned int	Side of the order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Buy</td> </tr> <tr> <td>2</td> <td>Sell</td> </tr> </tbody> </table>	Value	Description	1	Buy	2	Sell		
Value	Description													
1	Buy													
2	Sell													
28710	PriceValidityCheckType	Y	1	75	unsigned int	Indicator how price validity check should be performed by the exchange (see the ETI Manual, chapter Price Reasonability Check). <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>None</td> </tr> <tr> <td>2</td> <td>Mandatory</td> </tr> </tbody> </table>	Value	Description	0	None	2	Mandatory		
Value	Description													
0	None													
2	Mandatory													
59	TimeInForce	Y	1	76	unsigned int	Execution and trading restriction parameters supported by T7. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Day (GFD)</td> </tr> <tr> <td>3</td> <td>Immediate or Cancel (IOC)</td> </tr> <tr> <td>4</td> <td>Fill Or Kill (FOK)</td> </tr> </tbody> </table>	Value	Description	0	Day (GFD)	3	Immediate or Cancel (IOC)	4	Fill Or Kill (FOK)
Value	Description													
0	Day (GFD)													
3	Immediate or Cancel (IOC)													
4	Fill Or Kill (FOK)													
18	ExecInst	Y	1	77	unsigned int	Instructions for order handling. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>Non-persistent Order (FIX value 'Q')</td> </tr> <tr> <td>6</td> <td>Non-persistent and Book or Cancel order (FIX value 'Q6')</td> </tr> </tbody> </table>	Value	Description	2	Non-persistent Order (FIX value 'Q')	6	Non-persistent and Book or Cancel order (FIX value 'Q6')		
Value	Description													
2	Non-persistent Order (FIX value 'Q')													
6	Non-persistent and Book or Cancel order (FIX value 'Q6')													

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description								
1815	TradingCapacity	Y	1	78	unsigned int	<p>This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Customer (Agency)</td> </tr> <tr> <td>5</td> <td>Principal (Proprietary)</td> </tr> <tr> <td>6</td> <td>MarketMaker</td> </tr> </tbody> </table>	Value	Description	1	Customer (Agency)	5	Principal (Proprietary)	6	MarketMaker
Value	Description													
1	Customer (Agency)													
5	Principal (Proprietary)													
6	MarketMaker													
25016	Pad1	U	1	79	Fixed String	not used								

6.9 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				
<i><MessageHeaderOut></i>										
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 (Execution-Report, MsgType = 8)				
25017	Pad2	U	2	6	Fixed String	not used				
<i><ResponseHeaderME></i>										
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.				
7764	RequestOut	Y	8	16	UTCTimestamp	Timestamp the gateway sends a message to the Matching Engine				
21002	TrdRegTSTimeIn	Y	8	24	UTCTimestamp	Matching engine in timestamp.				
21003	TrdRegTSTimeOut	Y	8	32	UTCTimestamp	Matching engine out timestamp.				
7765	ResponseIn	Y	8	40	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine				
52	SendingTime	Y	8	48	UTCTimestamp	Gateway response out timestamp.				
34	MsgSeqNum	Y	4	56	unsigned int	Message sequence number used by the participant for requests sent to the gateway.				
5948	PartitionID	Y	2	60	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.				
1180	AppIID	Y	1	62	unsigned int	Identifier for an ETI data stream. <table border="1" data-bbox="1023 1473 1442 1563"> <tr> <th>Value</th> <th>Description</th> </tr> <tr> <td>4</td> <td>Session Data</td> </tr> </table>	Value	Description	4	Session Data
Value	Description									
4	Session Data									
28704	ApplMsgID	N	16	63	data	Not set if the submitting session is not the owner of the replaced order.				
893	LastFragment	Y	1	79	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. <table border="1" data-bbox="1023 1839 1442 1928"> <tr> <th>Value</th> <th>Description</th> </tr> <tr> <td>1</td> <td>Last Message</td> </tr> </table>	Value	Description	1	Last Message
Value	Description									
1	Last Message									
<i><Message Body></i>										
37	OrderID	Y	8	80	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	88	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.												
41	OrigClOrdID	N	8	96	unsigned int	ClOrdID (11) of the last successfully processed task (request) referring to the specific order.												
48	SecurityID	Y	8	104	signed int	Instrument identifier.												
17	ExecID	Y	8	112	UTCTimestamp	Transaction timestamp.												
99	StopPx	N	8	120	PriceType	Stop price. Required if OrdType (40) is Stop (3) or used as the trigger price for an One-cancels-the-other order.												
21008	TrdRegTSTimePriority	Y	8	128	UTCTimestamp	Priority timestamp.												
25108	OrderIDSfx	Y	4	136	unsigned int	System order version number.												
151	LeavesQty	Y	4	140	Qty	Remaining quantity of an order.												
14	CumQty	Y	4	144	Qty	Cumulated executed quantity of an order.												
84	CxlQty	Y	4	148	Qty	Total quantity cancelled for this order.												
1138	DisplayQty	N	4	152	Qty	Display quantity for iceberg orders												
39	OrdStatus	Y	1	156	char	Conveys the current status of an order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>New</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> <tr> <td>9</td> <td>Suspended</td> </tr> </tbody> </table>	Value	Description	0	New	1	Partially filled	2	Filled	4	Cancelled	9	Suspended
Value	Description																	
0	New																	
1	Partially filled																	
2	Filled																	
4	Cancelled																	
9	Suspended																	
150	ExecType	Y	1	157	char	The reason why this message was generated. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Cancelled</td> </tr> <tr> <td>5</td> <td>Replaced</td> </tr> <tr> <td>L</td> <td>Triggered</td> </tr> </tbody> </table>	Value	Description	4	Cancelled	5	Replaced	L	Triggered				
Value	Description																	
4	Cancelled																	
5	Replaced																	
L	Triggered																	

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description												
378	ExecRestatement-Reason	Y	2	158	unsigned int	Code to further qualify the field Exec-Type (150) of the Execution Report (8) message. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	102	Order modify accepted	105	IOC Order accepted	181	Ownership Changed	212	Book or Cancel Order accepted	107	FOK Order accepted
Value	Description																	
102	Order modify accepted																	
105	IOC Order accepted																	
181	Ownership Changed																	
212	Book or Cancel Order accepted																	
107	FOK Order accepted																	
28745	Crossed	Y	1	160	unsigned int	Indicates SMP involvement. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	0	No crossing (Order not subject to crossing)	1	Cross rejected (Order subject to crossing and match prevented)						
Value	Description																	
0	No crossing (Order not subject to crossing)																	
1	Cross rejected (Order subject to crossing and match prevented)																	
1823	Triggered	Y	1	161	unsigned int	Indicates if an order has been previously triggered. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	0	Not Triggered	1	Triggered Stop	2	Triggered OCO				
Value	Description																	
0	Not Triggered																	
1	Triggered Stop																	
2	Triggered OCO																	
25021	Pad6	U	6	162	Fixed String	not used												

6.10 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.

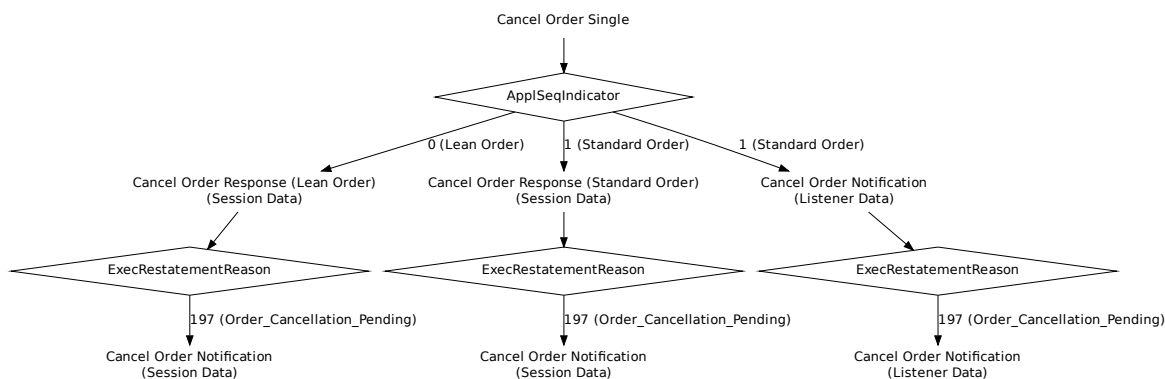
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description				
<i><MessageHeaderOut></i>										
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.				
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10108 (Execution-Report, MsgType = 8)				
25017	Pad2	U	2	6	Fixed String	not used				
<i><NRResponseHeaderME></i>										
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.				
7764	RequestOut	Y	8	16	UTCTimestamp	Timestamp the gateway sends a message to the Matching Engine				
21002	TrdRegTSTimeIn	Y	8	24	UTCTimestamp	Matching engine in timestamp.				
21003	TrdRegTSTimeOut	Y	8	32	UTCTimestamp	Matching engine out timestamp.				
7765	ResponseIn	Y	8	40	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine				
52	SendingTime	Y	8	48	UTCTimestamp	Gateway response out timestamp.				
34	MsgSeqNum	Y	4	56	unsigned int	Message sequence number used by the participant for requests sent to the gateway.				
893	LastFragment	Y	1	60	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. <table border="1" data-bbox="1023 1473 1442 1563"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	1	Last Message
Value	Description									
1	Last Message									
25018	Pad3	U	3	61	Fixed String	not used				
<i><Message Body></i>										
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.				

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description												
99	StopPx	N	8	104	PriceType	Stop price. Required if OrdType (40) is Stop (3) or used as the trigger price for an One-cancels-the-other order.												
25108	OrderIDSfx	Y	4	112	unsigned int	System order version number.												
151	LeavesQty	Y	4	116	Qty	Remaining quantity of an order.												
14	CumQty	Y	4	120	Qty	Cumulated executed quantity of an order.												
84	CxlQty	Y	4	124	Qty	Total quantity cancelled for this order.												
1138	DisplayQty	N	4	128	Qty	Display quantity for iceberg orders												
39	OrdStatus	Y	1	132	char	Conveys the current status of an order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>New</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> <tr> <td>9</td> <td>Suspended</td> </tr> </tbody> </table>	Value	Description	0	New	1	Partially filled	2	Filled	4	Cancelled	9	Suspended
Value	Description																	
0	New																	
1	Partially filled																	
2	Filled																	
4	Cancelled																	
9	Suspended																	
150	ExecType	Y	1	133	char	The reason why this message was generated. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Cancelled</td> </tr> <tr> <td>5</td> <td>Replaced</td> </tr> <tr> <td>L</td> <td>Triggered</td> </tr> </tbody> </table>	Value	Description	4	Cancelled	5	Replaced	L	Triggered				
Value	Description																	
4	Cancelled																	
5	Replaced																	
L	Triggered																	
378	ExecRestatement-Reason	Y	2	134	unsigned int	Code to further qualify the field ExecType (150) of the Execution Report (8) message. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	102	Order modify accepted	105	IOC Order accepted	181	Ownership Changed	212	Book or Cancel Order accepted	107	FOK Order accepted
Value	Description																	
102	Order modify accepted																	
105	IOC Order accepted																	
181	Ownership Changed																	
212	Book or Cancel Order accepted																	
107	FOK Order accepted																	

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description								
28745	Crossed	Y	1	136	unsigned int	Indicates SMP involvement. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	0	No crossing (Order not subject to crossing)	1	Cross rejected (Order subject to crossing and match prevented)		
Value	Description													
0	No crossing (Order not subject to crossing)													
1	Cross rejected (Order subject to crossing and match prevented)													
1823	Triggered	Y	1	137	unsigned int	Indicates if an order has been previously triggered. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	0	Not Triggered	1	Triggered Stop	2	Triggered OCO
Value	Description													
0	Not Triggered													
1	Triggered Stop													
2	Triggered OCO													
25021	Pad6	U	6	138	Fixed String	not used								

6.11 Cancel Order Single

This message is used to cancel a single 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
<i><MessageHeaderIn></i>						
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: 10109 (OrderCancel-Request, MsgType = F)
25028	NetworkMsgID	U	8	6	Fixed String	not used
25017	Pad2	U	2	14	Fixed String	not used
<i><RequestHeader></i>						
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.
<i><Message Body></i>						
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.
376	ComplianceID	N	8	56	unsigned int	For participants to uniquely identify trading strategies
1300	MarketSegmentID	Y	4	64	signed int	Product identifier.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
20655	TargetPartyIDSessionID	N	4	68	unsigned int	Session ID that entered the order.

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				
<i><MessageHeaderOut></i>										
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 (Execution-Report, MsgType = 8)				
25017	Pad2	U	2	6	Fixed String	not used				
<i><ResponseHeaderME></i>										
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.				
7764	RequestOut	Y	8	16	UTCTimestamp	Timestamp the gateway sends a message to the Matching Engine				
21002	TrdRegTSTimeIn	Y	8	24	UTCTimestamp	Matching engine in timestamp.				
21003	TrdRegTSTimeOut	Y	8	32	UTCTimestamp	Matching engine out timestamp.				
7765	ResponseIn	Y	8	40	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine				
52	SendingTime	Y	8	48	UTCTimestamp	Gateway response out timestamp.				
34	MsgSeqNum	Y	4	56	unsigned int	Message sequence number used by the participant for requests sent to the gateway.				
5948	PartitionID	Y	2	60	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.				
1180	AppIID	Y	1	62	unsigned int	Identifier for an ETI data stream. <table border="1" data-bbox="1023 1476 1442 1563"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Session Data</td> </tr> </tbody> </table>	Value	Description	4	Session Data
Value	Description									
4	Session Data									
28704	ApplMsgID	N	16	63	data	Not set if the submitting session is not the owner of the cancelled order.				
893	LastFragment	Y	1	79	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. <table border="1" data-bbox="1023 1839 1442 1926"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	1	Last Message
Value	Description									
1	Last Message									
<i><Message Body></i>										
37	OrderID	Y	8	80	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	88	unsigned int	Client Order ID: Unique participant defined order request identifier; used for client order id chaining.								
41	OrigClOrdID	N	8	96	unsigned int	ClOrdID (11) of the last successfully processed task (request) referring to the specific order.								
48	SecurityID	Y	8	104	signed int	Instrument identifier.								
17	ExecID	Y	8	112	UTCTimestamp	Transaction timestamp.								
25108	OrderIDSfx	Y	4	120	unsigned int	System order version number.								
14	CumQty	Y	4	124	Qty	Cumulated executed quantity of an order.								
84	CxlQty	Y	4	128	Qty	Total quantity cancelled for this order.								
39	OrdStatus	Y	1	132	char	Conveys the current status of an order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	4	Cancelled	6	Pending Cancel (i.e. result of Order Cancel Request)	9	Suspended
Value	Description													
4	Cancelled													
6	Pending Cancel (i.e. result of Order Cancel Request)													
9	Suspended													
150	ExecType	Y	1	133	char	The reason why this message was generated. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Cancelled</td> </tr> <tr> <td>6</td> <td>Pending Cancel (e.g. result of Order Cancel Request)</td> </tr> </tbody> </table>	Value	Description	4	Cancelled	6	Pending Cancel (e.g. result of Order Cancel Request)		
Value	Description													
4	Cancelled													
6	Pending Cancel (e.g. result of Order Cancel Request)													
378	ExecRestatement-Reason	Y	2	134	unsigned int	Code to further qualify the field ExecType (150) of the Execution Report (8) message. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>103</td> <td>Order delete accepted</td> </tr> <tr> <td>197</td> <td>Pending order deletion finally completed (end of FREEZE state)</td> </tr> </tbody> </table>	Value	Description	103	Order delete accepted	197	Pending order deletion finally completed (end of FREEZE state)		
Value	Description													
103	Order delete accepted													
197	Pending order deletion finally completed (end of FREEZE state)													

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				
<i><MessageHeaderOut></i>										
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 (Execution-Report, MsgType = 8)				
25017	Pad2	U	2	6	Fixed String	not used				
<i><NRResponseHeaderME></i>										
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.				
7764	RequestOut	Y	8	16	UTCTimestamp	Timestamp the gateway sends a message to the Matching Engine				
21002	TrdRegTSTimeIn	Y	8	24	UTCTimestamp	Matching engine in timestamp.				
21003	TrdRegTSTimeOut	Y	8	32	UTCTimestamp	Matching engine out timestamp.				
7765	ResponseIn	Y	8	40	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine				
52	SendingTime	Y	8	48	UTCTimestamp	Gateway response out timestamp.				
34	MsgSeqNum	Y	4	56	unsigned int	Message sequence number used by the participant for requests sent to the gateway.				
893	LastFragment	Y	1	60	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. <table border="1" data-bbox="1023 1473 1441 1563"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	1	Last Message
Value	Description									
1	Last Message									
25018	Pad3	U	3	61	Fixed String	not used				
<i><Message Body></i>										
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.				

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description								
25108	OrderIDSfx	Y	4	104	unsigned int	System order version number.								
14	CumQty	Y	4	108	Qty	Cumulated executed quantity of an order.								
84	CxlQty	Y	4	112	Qty	Total quantity cancelled for this order.								
39	OrdStatus	Y	1	116	char	Conveys the current status of an order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	4	Cancelled	6	Pending Cancel (i.e. result of Order Cancel Request)	9	Suspended
Value	Description													
4	Cancelled													
6	Pending Cancel (i.e. result of Order Cancel Request)													
9	Suspended													
150	ExecType	Y	1	117	char	The reason why this message was generated. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Cancelled</td> </tr> <tr> <td>6</td> <td>Pending Cancel (e.g. result of Order Cancel Request)</td> </tr> </tbody> </table>	Value	Description	4	Cancelled	6	Pending Cancel (e.g. result of Order Cancel Request)		
Value	Description													
4	Cancelled													
6	Pending Cancel (e.g. result of Order Cancel Request)													
378	ExecRestatement-Reason	Y	2	118	unsigned int	Code to further qualify the field ExecType (150) of the Execution Report (8) message. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>103</td> <td>Order delete accepted</td> </tr> <tr> <td>197</td> <td>Pending order deletion finally completed (end of FREEZE state)</td> </tr> </tbody> </table>	Value	Description	103	Order delete accepted	197	Pending order deletion finally completed (end of FREEZE state)		
Value	Description													
103	Order delete accepted													
197	Pending order deletion finally completed (end of FREEZE state)													

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.

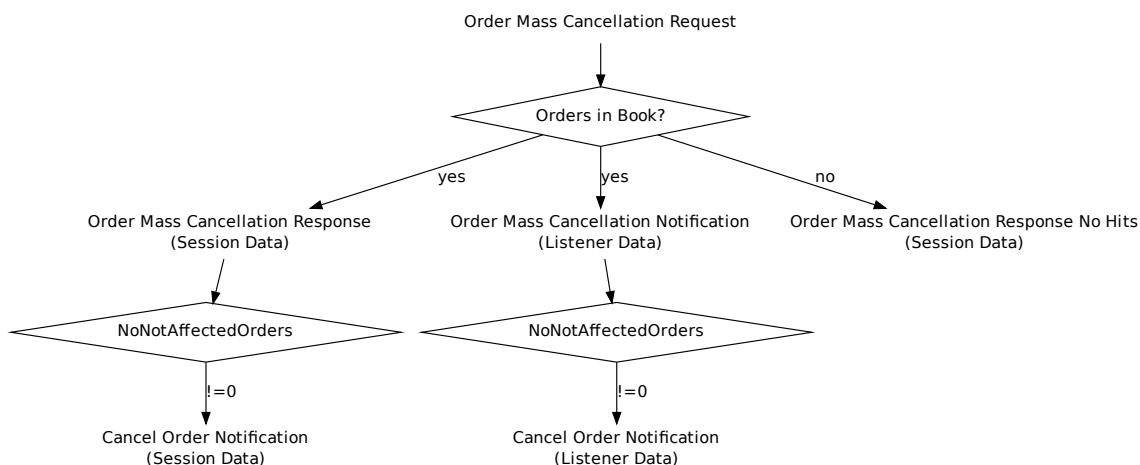
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description						
<i><MessageHeaderOut></i>												
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.						
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10112 (Execution-Report, MsgType = 8)						
25017	Pad2	U	2	6	Fixed String	not used						
<i><RBCHeaderME></i>												
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	Gateway response out timestamp.						
28727	AppSubID	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	AppMsgID	N	16	38	data	Application message identifier assigned to an order or quote event.						
1180	AppID	N	1	54	unsigned int	Identifier for an ETI data stream. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Session Data</td> </tr> <tr> <td>5</td> <td>Listener Data</td> </tr> </tbody> </table>	Value	Description	4	Session Data	5	Listener Data
Value	Description											
4	Session Data											
5	Listener Data											
1352	AppResendFlag	Y	1	55	unsigned int	Indicates a retransmission message. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>False</td> </tr> <tr> <td>1</td> <td>True</td> </tr> </tbody> </table>	Value	Description	0	False	1	True
Value	Description											
0	False											
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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	1	Last Message		
Value	Description											
1	Last Message											

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description																										
25022	Pad7	U	7	57	Fixed String	not used																										
<Message Body>																																
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.																										
25108	OrderIDSfx	Y	4	104	unsigned int	System order version number.																										
14	CumQty	Y	4	108	Qty	Cumulated executed quantity of an order.																										
84	CxlQty	Y	4	112	Qty	Total quantity cancelled for this order.																										
1300	MarketSegmentID	Y	4	116	signed int	Product identifier.																										
20036	PartyIDEnteringTrader	N	4	120	unsigned int	Entering User ID.																										
378	ExecRestatement-Reason	Y	2	124	unsigned int	Code to further qualify the field ExecType (150) of the Execution Report (8) message. <table border="1" data-bbox="1023 1301 1442 1989"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>103</td> <td>Order delete accepted</td> </tr> <tr> <td>197</td> <td>Pending order deletion finally completed (end of FREEZE state)</td> </tr> <tr> <td>199</td> <td>Pending order cancellation executed (end of FREEZE state)</td> </tr> <tr> <td>0</td> <td>Corporate Action</td> </tr> <tr> <td>8</td> <td>Exchange option</td> </tr> <tr> <td>292</td> <td>Dividend Payment</td> </tr> <tr> <td>294</td> <td>Last Trading Day</td> </tr> <tr> <td>295</td> <td>Trading Parameter Change</td> </tr> <tr> <td>296</td> <td>Currency Change</td> </tr> <tr> <td>297</td> <td>Product Assignment Change</td> </tr> <tr> <td>298</td> <td>Reference Price Change</td> </tr> <tr> <td>148</td> <td>Order expiration</td> </tr> </tbody> </table>	Value	Description	103	Order delete accepted	197	Pending order deletion finally completed (end of FREEZE state)	199	Pending order cancellation executed (end of FREEZE state)	0	Corporate Action	8	Exchange option	292	Dividend Payment	294	Last Trading Day	295	Trading Parameter Change	296	Currency Change	297	Product Assignment Change	298	Reference Price Change	148	Order expiration
Value	Description																															
103	Order delete accepted																															
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0	Corporate Action																															
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295	Trading Parameter Change																															
296	Currency Change																															
297	Product Assignment Change																															
298	Reference Price Change																															
148	Order expiration																															

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description								
20007	PartyIDEnteringFirm	N	1	126	unsigned int	Entering Entity ID. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Participant</td> </tr> <tr> <td>2</td> <td>Market Supervision</td> </tr> </tbody> </table>	Value	Description	1	Participant	2	Market Supervision		
Value	Description													
1	Participant													
2	Market Supervision													
39	OrdStatus	Y	1	127	char	Conveys the current status of an order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	4	Cancelled	6	Pending Cancel (i.e. result of Order Cancel Request)	9	Suspended
Value	Description													
4	Cancelled													
6	Pending Cancel (i.e. result of Order Cancel Request)													
9	Suspended													
150	ExecType	Y	1	128	char	The reason why this message was generated. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Cancelled</td> </tr> <tr> <td>6</td> <td>Pending Cancel (e.g. result of Order Cancel Request)</td> </tr> </tbody> </table>	Value	Description	4	Cancelled	6	Pending Cancel (e.g. result of Order Cancel Request)		
Value	Description													
4	Cancelled													
6	Pending Cancel (e.g. result of Order Cancel Request)													
54	Side	Y	1	129	unsigned int	Side of the order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Buy</td> </tr> <tr> <td>2</td> <td>Sell</td> </tr> </tbody> </table>	Value	Description	1	Buy	2	Sell		
Value	Description													
1	Buy													
2	Sell													
25021	Pad6	U	6	130	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
<i><MessageHeaderIn></i>						
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
25017	Pad2	U	2	14	Fixed String	not used
<i><RequestHeader></i>						
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.
<i><Message Body></i>						
48	SecurityID	N	8	24	signed int	Instrument identifier.
44	Price	N	8	32	PriceType	Price boundary for deletion.
376	ComplianceID	N	8	40	unsigned int	For participants to uniquely identify trading strategies
1300	MarketSegmentID	Y	4	48	signed int	Product identifier.
20655	TargetPartyIDSessionID	N	4	52	unsigned int	Session ID.
20612	TargetParty- IDExecutingTrader	N	4	56	unsigned int	Owning User ID.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description						
54	Side	N	1	60	unsigned int	Side of the order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Buy</td> </tr> <tr> <td>2</td> <td>Sell</td> </tr> </tbody> </table>	Value	Description	1	Buy	2	Sell
Value	Description											
1	Buy											
2	Sell											
25018	Pad3	U	3	61	Fixed String	not used						

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						
<i><MessageHeaderOut></i>												
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)						
25017	Pad2	U	2	6	Fixed String	not used						
<i><ResponseHeaderME></i>												
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.						
7764	RequestOut	Y	8	16	UTCTimestamp	Timestamp the gateway sends a message to the Matching Engine						
21002	TrdRegTSTimeIn	Y	8	24	UTCTimestamp	Matching engine in timestamp.						
21003	TrdRegTSTimeOut	Y	8	32	UTCTimestamp	Matching engine out timestamp.						
7765	ResponseIn	Y	8	40	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine						
52	SendingTime	Y	8	48	UTCTimestamp	Gateway response out timestamp.						
34	MsgSeqNum	Y	4	56	unsigned int	Message sequence number used by the participant for requests sent to the gateway.						
5948	PartitionID	Y	2	60	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.						
1180	ApplID	Y	1	62	unsigned int	Identifier for an ETI data stream. <table border="1" data-bbox="1023 1480 1442 1563"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Session Data</td> </tr> </tbody> </table>	Value	Description	4	Session Data		
Value	Description											
4	Session Data											
28704	ApplMsgID	Y	16	63	data	Application message identifier assigned to an order or quote event.						
893	LastFragment	Y	1	79	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. <table border="1" data-bbox="1023 1843 1442 1966"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Not Last Message</td> </tr> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	0	Not Last Message	1	Last Message
Value	Description											
0	Not Last Message											
1	Last Message											
<i><Message Body></i>												
1369	MassActionReportID	Y	8	80	UTCTimestamp	Transaction timestamp.						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
1370	NoNotAffectedOrders	Y	2	88	Counter	Number of NotAffectedOrders repeating group instances.
25021	Pad6	U	6	90	Fixed String	not used
<NotAffectedOrdersGrp>						Cardinality: 0-500, Record counter: NoNotAffectedOrders
1371	>NotAffectedOrderID	Y	8	96	unsigned int	Exchange Order ID of an order whose cancellation is pending.
1372	>NotAffOrigClOrdID	N	8	104	unsigned int	Original Client Order ID of an order whose cancellation is pending.

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				
<i><MessageHeaderOut></i>										
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)				
25017	Pad2	U	2	6	Fixed String	not used				
<i><NRResponseHeaderME></i>										
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.				
7764	RequestOut	Y	8	16	UTCTimestamp	Timestamp the gateway sends a message to the Matching Engine				
21002	TrdRegTSTimeIn	Y	8	24	UTCTimestamp	Matching engine in timestamp.				
21003	TrdRegTSTimeOut	Y	8	32	UTCTimestamp	Matching engine out timestamp.				
7765	ResponseIn	Y	8	40	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine				
52	SendingTime	Y	8	48	UTCTimestamp	Gateway response out timestamp.				
34	MsgSeqNum	Y	4	56	unsigned int	Message sequence number used by the participant for requests sent to the gateway.				
893	LastFragment	Y	1	60	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. <table border="1" data-bbox="1023 1469 1442 1554"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	1	Last Message
Value	Description									
1	Last Message									
25018	Pad3	U	3	61	Fixed String	not used				
<i><Message Body></i>										
1369	MassActionReportID	Y	8	64	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						
<i><MessageHeaderOut></i>												
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)						
25017	Pad2	U	2	6	Fixed String	not used						
<i><RBCHeaderME></i>												
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	Gateway response out timestamp.						
28727	AppSubID	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	AppMsgID	Y	16	38	data	Application message identifier assigned to an order or quote event.						
1180	AppIID	Y	1	54	unsigned int	Identifier for an ETI data stream. <table border="1" data-bbox="1023 1386 1442 1512"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Session Data</td> </tr> <tr> <td>5</td> <td>Listener Data</td> </tr> </tbody> </table>	Value	Description	4	Session Data	5	Listener Data
Value	Description											
4	Session Data											
5	Listener Data											
1352	AppResendFlag	Y	1	55	unsigned int	Indicates a retransmission message. <table border="1" data-bbox="1023 1592 1442 1718"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>False</td> </tr> <tr> <td>1</td> <td>True</td> </tr> </tbody> </table>	Value	Description	0	False	1	True
Value	Description											
0	False											
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. <table border="1" data-bbox="1023 1910 1442 2036"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Not Last Message</td> </tr> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	0	Not Last Message	1	Last Message
Value	Description											
0	Not Last Message											
1	Last Message											
25022	Pad7	U	7	57	Fixed String	not used						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description																
<i><Message Body></i>																						
1369	MassActionReportID	Y	8	64	UTCTimestamp	Transaction timestamp.																
48	SecurityID	N	8	72	signed int	Only set for mass cancellations on instrument (SecurityID) level.																
1300	MarketSegmentID	Y	4	80	signed int	Product identifier.																
20655	TargetPartyIDSessionID	Y	4	84	unsigned int	Session ID.																
20612	TargetParty- IDExecutingTrader	N	4	88	unsigned int	Owning User ID.																
20036	PartyIDEnteringTrader	N	4	92	unsigned int	Entering User ID.																
1370	NoNotAffectedOrders	Y	2	96	Counter	Number of NotAffectedOrders repeating group instances.																
20007	PartyIDEnteringFirm	N	1	98	unsigned int	Entering Entity ID. <table border="1" data-bbox="1023 875 1442 999"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Participant</td> </tr> <tr> <td>2</td> <td>Market Supervision</td> </tr> </tbody> </table>	Value	Description	1	Participant	2	Market Supervision										
Value	Description																					
1	Participant																					
2	Market Supervision																					
28721	MassActionReason	Y	1	99	unsigned int	Reason for mass cancellation. <table border="1" data-bbox="1023 1077 1442 1402"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>No special reason</td> </tr> <tr> <td>1</td> <td>Trading was stopped</td> </tr> <tr> <td>2</td> <td>Emergency</td> </tr> <tr> <td>3</td> <td>Market Maker Protection</td> </tr> <tr> <td>6</td> <td>Session loss or logout</td> </tr> <tr> <td>7</td> <td>Duplicate Session Login</td> </tr> <tr> <td>8</td> <td>Clearing Risk Control</td> </tr> </tbody> </table>	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
Value	Description																					
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18	ExecInst	Y	1	100	unsigned int	Instructions for order handling. <table border="1" data-bbox="1023 1480 1442 1727"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	3	Persistent and non-persistent orders affected (FIX value 'H Q')	2	Non-persistent Order (FIX value 'Q')										
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2	Non-persistent Order (FIX value 'Q')																					
25018	Pad3	U	3	101	Fixed String	not used																
<i><NotAffectedOrdersGrp></i>						Cardinality: 0-500, Record counter: NoNotAffectedOrders																
1371	>NotAffectedOrderID	Y	8	104	unsigned int	Exchange Order ID of an order whose cancellation is pending.																
1372	>NotAffOrigClOrdID	N	8	112	unsigned int	Original Client Order ID of an order whose cancellation is pending.																

6.19 Trailing Stop Order Update Notification

This message informs about an updated StopPx.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description						
<i><MessageHeaderOut></i>												
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: 10127 (Execution-Report, MsgType = 8)						
25017	Pad2	U	2	6	Fixed String	not used						
<i><RBCHeaderME></i>												
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	Gateway response out timestamp.						
28727	AppSubID	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	AppMsgID	N	16	38	data	Application message identifier assigned to an order or quote event.						
1180	AppIID	N	1	54	unsigned int	Identifier for an ETI data stream. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Session Data</td> </tr> <tr> <td>5</td> <td>Listener Data</td> </tr> </tbody> </table>	Value	Description	4	Session Data	5	Listener Data
Value	Description											
4	Session Data											
5	Listener Data											
1352	AppResendFlag	Y	1	55	unsigned int	Indicates a retransmission message. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>False</td> </tr> <tr> <td>1</td> <td>True</td> </tr> </tbody> </table>	Value	Description	0	False	1	True
Value	Description											
0	False											
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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	1	Last Message		
Value	Description											
1	Last Message											
25022	Pad7	U	7	57	Fixed String	not used						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description						
<Message Body>												
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.						
99	StopPx	Y	8	104	PriceType	Stop price. Required if OrdType (40) is Stop (3) or used as the trigger price for an One-cancels-the-other order.						
25108	OrderIDSfx	Y	4	112	unsigned int	System order version number.						
1300	MarketSegmentID	Y	4	116	signed int	Product identifier.						
38	OrderQty	Y	4	120	Qty	Total Order Quantity.						
378	ExecRestatement-Reason	Y	2	124	unsigned int	Code to further qualify the field ExecType (150) of the Execution Report (8) message. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>213</td> <td>Trailing Stop Updated</td> </tr> </tbody> </table>	Value	Description	213	Trailing Stop Updated		
Value	Description											
213	Trailing Stop Updated											
39	OrdStatus	Y	1	126	char	Conveys the current status of an order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>New</td> </tr> </tbody> </table>	Value	Description	0	New		
Value	Description											
0	New											
150	ExecType	Y	1	127	char	The reason why this message was generated. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>D</td> <td>Restated</td> </tr> </tbody> </table>	Value	Description	D	Restated		
Value	Description											
D	Restated											
54	Side	Y	1	128	unsigned int	Side of the order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Buy</td> </tr> <tr> <td>2</td> <td>Sell</td> </tr> </tbody> </table>	Value	Description	1	Buy	2	Sell
Value	Description											
1	Buy											
2	Sell											
25022	Pad7	U	7	129	Fixed String	not used						

6.20 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 (Execution-Report, MsgType = 8)						
25017	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	Gateway response out timestamp.						
28727	AppSubID	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	AppMsgID	N	16	38	data	Application message identifier assigned to an order or quote event.						
1180	AppID	Y	1	54	unsigned int	Identifier for an ETI data stream. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Session Data</td> </tr> <tr> <td>5</td> <td>Listener Data</td> </tr> </tbody> </table>	Value	Description	4	Session Data	5	Listener Data
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5	Listener Data											
1352	AppResendFlag	Y	1	55	unsigned int	Indicates a retransmission message. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>False</td> </tr> <tr> <td>1</td> <td>True</td> </tr> </tbody> </table>	Value	Description	0	False	1	True
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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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Not Last Message</td> </tr> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	0	Not Last Message	1	Last Message
Value	Description											
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25022	Pad7	U	7	57	Fixed String	not used						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<Message Body>						
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	TrdRegTSTimePriority	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).
99	StopPx	N	8	128	PriceType	Stop price. Required if OrdType (40) is Stop (3) or used as the trigger price for an One-cancels-the-other order.
25109	PegOffsetValueAbs	N	8	136	PriceType	Offset for the stop limit price of a trailing stop order (as absolute value).
25110	PegOffsetValuePct	N	8	144	floatDecimal4	Offset for the stop limit price of a trailing stop order (as percentage).
1300	MarketSegmentID	Y	4	152	signed int	Product identifier.
25108	OrderIDSfx	Y	4	156	unsigned int	System order version number.
151	LeavesQty	Y	4	160	Qty	Remaining quantity of an order.
14	CumQty	Y	4	164	Qty	Cumulated executed quantity of an order.
84	CxlQty	Y	4	168	Qty	Total quantity cancelled for this order.
38	OrderQty	Y	4	172	Qty	Total Order Quantity.
1138	DisplayQty	N	4	176	Qty	Display quantity for iceberg orders
1085	DisplayLowQty	N	4	180	Qty	Minimum display quantity - used by iceberg orders with random refill
1086	DisplayHighQty	N	4	184	Qty	Maximum display quantity - used by iceberg orders with random refill
432	ExpireDate	N	4	188	LocalMktDate	Date of order expiry. Required if TimeInForce (59) = 6.
28744	MatchInstCrossID	N	4	192	unsigned int	Self Match Prevention ID.
20059	PartyIDExecutingUnit	Y	4	196	unsigned int	Business Unit ID.
20055	PartyIDSessionID	Y	4	200	unsigned int	Session ID.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description																																										
20012	PartyIDExecuting-Trader	Y	4	204	unsigned int	Owning User ID.																																										
20036	PartyIDEnteringTrader	N	4	208	unsigned int	Entering User ID.																																										
378	ExecRestatement-Reason	Y	2	212	unsigned int	Code to further qualify the field Exec-Type (150) of the Execution Report (8) message. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr><td>1</td><td>Order book restatement</td></tr> <tr><td>101</td><td>Order add accepted</td></tr> <tr><td>102</td><td>Order modify accepted</td></tr> <tr><td>103</td><td>Order delete accepted</td></tr> <tr><td>105</td><td>IOC Order accepted</td></tr> <tr><td>107</td><td>FOK Order accepted</td></tr> <tr><td>108</td><td>Book Order executed</td></tr> <tr><td>135</td><td>Market Order triggered and executed</td></tr> <tr><td>149</td><td>Closing Auction Order has been activated</td></tr> <tr><td>150</td><td>Closing Auction Order has been inactivated</td></tr> <tr><td>151</td><td>Opening Auction Order has been activated</td></tr> <tr><td>152</td><td>Opening Auction Order has been inactivated</td></tr> <tr><td>153</td><td>Any Auction Order has been activated</td></tr> <tr><td>154</td><td>Any Auction Order has been inactivated</td></tr> <tr><td>164</td><td>One-cancels-the-other Order has been triggered</td></tr> <tr><td>172</td><td>Stop Order has been triggered</td></tr> <tr><td>212</td><td>Book or Cancel Order accepted</td></tr> <tr><td>199</td><td>Pending order cancellation executed (end of FREEZE state)</td></tr> <tr><td>181</td><td>Ownership Changed</td></tr> <tr><td>155</td><td>Order refreshed</td></tr> </tbody> </table>	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	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	199	Pending order cancellation executed (end of FREEZE state)	181	Ownership Changed	155	Order refreshed
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Tag	Field Name	Req'd	Len	Ofs	Data Type	Description																
20007	PartyIDEnteringFirm	N	1	214	unsigned int	Entering Entity ID. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Participant</td> </tr> <tr> <td>2</td> <td>Market Supervision</td> </tr> </tbody> </table>	Value	Description	1	Participant	2	Market Supervision										
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2	Market Supervision																					
39	OrdStatus	Y	1	215	char	Conveys the current status of an order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>New</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> <tr> <td>9</td> <td>Suspended</td> </tr> </tbody> </table>	Value	Description	0	New	1	Partially filled	2	Filled	4	Cancelled	9	Suspended				
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Value	Description																					
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54	Side	Y	1	217	unsigned int	Side of the order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Buy</td> </tr> <tr> <td>2</td> <td>Sell</td> </tr> </tbody> </table>	Value	Description	1	Buy	2	Sell										
Value	Description																					
1	Buy																					
2	Sell																					
40	OrdType	Y	1	218	unsigned int	Order type. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	1	Market	2	Limit	3	Stop	4	Stop Limit						
Value	Description																					
1	Market																					
2	Limit																					
3	Stop																					
4	Stop Limit																					

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description												
1815	TradingCapacity	Y	1	219	unsigned int	<p>This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Customer (Agency)</td> </tr> <tr> <td>5</td> <td>Principal (Proprietary)</td> </tr> <tr> <td>6</td> <td>MarketMaker</td> </tr> </tbody> </table>	Value	Description	1	Customer (Agency)	5	Principal (Proprietary)	6	MarketMaker				
Value	Description																	
1	Customer (Agency)																	
5	Principal (Proprietary)																	
6	MarketMaker																	
59	TimelnForce	N	1	220	unsigned int	<p>Execution and trading restriction parameters supported by T7.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	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
Value	Description																	
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	ExeInst	N	1	221	unsigned int	<p>Instructions for order handling.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	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')		
Value	Description																	
1	Persistent Order (FIX value 'H')																	
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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	222	unsigned int	<p>Marks a certain order as a closing auction one.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	2	Opening or opening auction	4	Closing or closing auction	8	Any auction				
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Tag	Field Name	Req'd	Len	Ofs	Data Type	Description								
28703	ApplSeqIndicator	N	1	223	unsigned int	Indicates if the order is a Lean Order or a Standard Order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>No Recovery Required</td> </tr> <tr> <td>1</td> <td>Recovery Required</td> </tr> </tbody> </table>	Value	Description	0	No Recovery Required	1	Recovery Required		
Value	Description													
0	No Recovery Required													
1	Recovery Required													
25007	FreeText1	N	12	224	Fixed String	First free-format text field for trader-specific or customer-related comments. Valid characters: \x20,\x22-\x7B,\x7D,\x7E								
25107	FreeText4	N	16	236	Fixed String	Fourth free-format text field for trader-specific or customer-related comments. Valid characters: \x20,\x22-\x7B,\x7D,\x7E								
1362	NoFills	Y	1	252	Counter	Specifies the number of partial fills included in this Execution Report.								
1823	Triggered	Y	1	253	unsigned int	Indicates if an order has been previously triggered. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	0	Not Triggered	1	Triggered Stop	2	Triggered OCO
Value	Description													
0	Not Triggered													
1	Triggered Stop													
2	Triggered OCO													
28745	Crossed	Y	1	254	unsigned int	Indicates SMP involvement. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	0	No crossing (Order not subject to crossing)	1	Cross rejected (Order subject to crossing and match prevented)		
Value	Description													
0	No crossing (Order not subject to crossing)													
1	Cross rejected (Order subject to crossing and match prevented)													
25016	Pad1	U	1	255	Fixed String	not used								
<FillsGrp>						Cardinality: 0-100, Record counter: NoFills								
1364	>FillPx	Y	8	256	PriceType	Price of Fill.								
1365	>FillQty	Y	4	264	Qty	Quantity of Fill.								
28708	>FillMatchID	Y	4	268	unsigned int	Unique identifier for each price level (match step) of a match event; it is used for public trade reporting.								

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description												
1363	>FillExecID	Y	4	272	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	276	unsigned int	Indicates whether the order added or removed liquidity. Required only for execution reports generated for fills. <table border="1" data-bbox="1023 663 1442 909"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Added Liquidity</td> </tr> <tr> <td>2</td> <td>Removed Liquidity</td> </tr> <tr> <td>5</td> <td>Triggered Stop Order</td> </tr> <tr> <td>6</td> <td>Triggered OCO Order</td> </tr> <tr> <td>7</td> <td>Triggered Market Order</td> </tr> </tbody> </table>	Value	Description	1	Added Liquidity	2	Removed Liquidity	5	Triggered Stop Order	6	Triggered OCO Order	7	Triggered Market Order
Value	Description																	
1	Added Liquidity																	
2	Removed Liquidity																	
5	Triggered Stop Order																	
6	Triggered OCO Order																	
7	Triggered Market Order																	
25018	>Pad3	U	3	277	Fixed String	not used												

6.21 Extended Deletion Report

This message informs about over night deletion of orders (providing the deletion reason).

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description						
<i><MessageHeaderOut></i>												
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.						
28500	TemplatelD	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10128 (Execution-Report, MsgType = 8)						
25017	Pad2	U	2	6	Fixed String	not used						
<i><RBCHeaderME></i>												
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	Gateway response out timestamp.						
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. <table border="1" data-bbox="1023 1435 1441 1563"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Session Data</td> </tr> <tr> <td>5</td> <td>Listener Data</td> </tr> </tbody> </table>	Value	Description	4	Session Data	5	Listener Data
Value	Description											
4	Session Data											
5	Listener Data											
1352	ApplResendFlag	Y	1	55	unsigned int	Indicates a retransmission message. <table border="1" data-bbox="1023 1641 1441 1769"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>False</td> </tr> <tr> <td>1</td> <td>True</td> </tr> </tbody> </table>	Value	Description	0	False	1	True
Value	Description											
0	False											
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. <table border="1" data-bbox="1023 1960 1441 2045"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	1	Last Message		
Value	Description											
1	Last Message											
25022	Pad7	U	7	57	Fixed String	not used						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
<i><Message Body></i>						
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.
44	Price	N	8	112	PriceType	Limit price. Required if OrdType (40) is Limit (2) or Stop Limit (4).
99	StopPx	N	8	120	PriceType	Stop price. Required if OrdType (40) is Stop (3) or used as the trigger price for an One-cancels-the-other order.
25109	PegOffsetValueAbs	N	8	128	PriceType	Offset for the stop limit price of a trailing stop order (as absolute value).
25110	PegOffsetValuePct	N	8	136	floatDecimal4	Offset for the stop limit price of a trailing stop order (as percentage).
1300	MarketSegmentID	Y	4	144	signed int	Product identifier.
25108	OrderIDSfx	Y	4	148	unsigned int	System order version number.
151	LeavesQty	Y	4	152	Qty	Remaining quantity of an order.
14	CumQty	Y	4	156	Qty	Cumulated executed quantity of an order.
84	CxlQty	Y	4	160	Qty	Total quantity cancelled for this order.
38	OrderQty	Y	4	164	Qty	Total Order Quantity.
1138	DisplayQty	N	4	168	Qty	Display quantity for iceberg orders
1085	DisplayLowQty	N	4	172	Qty	Minimum display quantity - used by iceberg orders with random refill
1086	DisplayHighQty	N	4	176	Qty	Maximum display quantity - used by iceberg orders with random refill
432	ExpireDate	N	4	180	LocalMktDate	Date of order expiry. Required if TimeInForce (59) = 6.
28744	MatchInstCrossID	N	4	184	unsigned int	Self Match Prevention ID.
20059	PartyIDExecutingUnit	Y	4	188	unsigned int	Business Unit ID.
20055	PartyIDSessionID	Y	4	192	unsigned int	Session ID.
20012	PartyIDExecuting- Trader	Y	4	196	unsigned int	Owning User ID.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description																																				
20036	PartyIDEnteringTrader	N	4	200	unsigned int	Entering User ID.																																				
378	ExecRestatement-Reason	Y	2	204	unsigned int	Code to further qualify the field ExecType (150) of the Execution Report (8) message. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Corporate Action</td> </tr> <tr> <td>8</td> <td>Exchange option</td> </tr> <tr> <td>148</td> <td>Order expiration</td> </tr> <tr> <td>237</td> <td>Order quantity exceeds maximum quantity</td> </tr> <tr> <td>238</td> <td>Invalid limit price</td> </tr> <tr> <td>241</td> <td>User does not exist anymore</td> </tr> <tr> <td>243</td> <td>Invalid stop price</td> </tr> <tr> <td>244</td> <td>Order has been marked for deletion</td> </tr> <tr> <td>245</td> <td>Instrument does not exist anymore</td> </tr> <tr> <td>246</td> <td>Business Unit Risk Event</td> </tr> <tr> <td>257</td> <td>Initial orderbook cleanup</td> </tr> <tr> <td>292</td> <td>Dividend Payment</td> </tr> <tr> <td>294</td> <td>Last Trading Day</td> </tr> <tr> <td>295</td> <td>Trading Parameter Change</td> </tr> <tr> <td>296</td> <td>Currency Change</td> </tr> <tr> <td>297</td> <td>Product Assignment Change</td> </tr> <tr> <td>298</td> <td>Reference Price Change</td> </tr> </tbody> </table>	Value	Description	0	Corporate Action	8	Exchange option	148	Order expiration	237	Order quantity exceeds maximum quantity	238	Invalid limit price	241	User does not exist anymore	243	Invalid stop price	244	Order has been marked for deletion	245	Instrument does not exist anymore	246	Business Unit Risk Event	257	Initial orderbook cleanup	292	Dividend Payment	294	Last Trading Day	295	Trading Parameter Change	296	Currency Change	297	Product Assignment Change	298	Reference Price Change
Value	Description																																									
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244	Order has been marked for deletion																																									
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295	Trading Parameter Change																																									
296	Currency Change																																									
297	Product Assignment Change																																									
298	Reference Price Change																																									
39	OrdStatus	Y	1	206	char	Conveys the current status of an order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Cancelled</td> </tr> </tbody> </table>	Value	Description	4	Cancelled																																
Value	Description																																									
4	Cancelled																																									
150	ExecType	Y	1	207	char	The reason why this message was generated. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Cancelled</td> </tr> </tbody> </table>	Value	Description	4	Cancelled																																
Value	Description																																									
4	Cancelled																																									
54	Side	Y	1	208	unsigned int	Side of the order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Buy</td> </tr> <tr> <td>2</td> <td>Sell</td> </tr> </tbody> </table>	Value	Description	1	Buy	2	Sell																														
Value	Description																																									
1	Buy																																									
2	Sell																																									

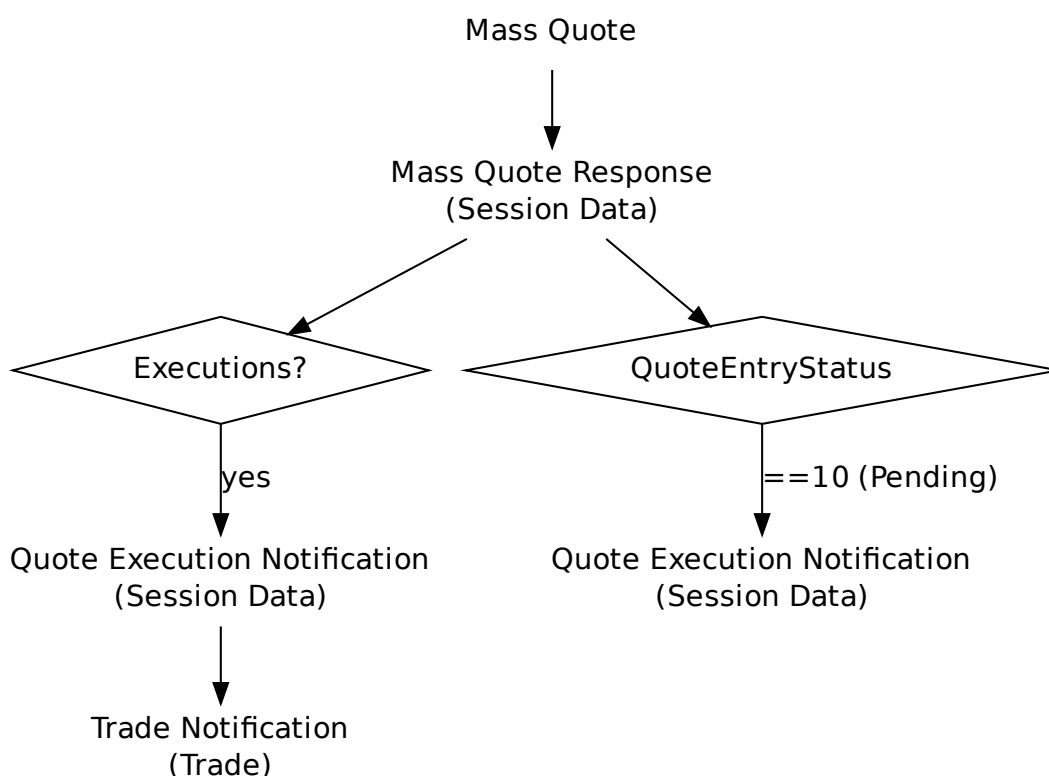
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description												
40	OrdType	Y	1	209	unsigned int	Order type. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Market</td> </tr> <tr> <td>2</td> <td>Limit</td> </tr> <tr> <td>3</td> <td>Stop</td> </tr> <tr> <td>4</td> <td>Stop Limit</td> </tr> </tbody> </table>	Value	Description	1	Market	2	Limit	3	Stop	4	Stop Limit		
Value	Description																	
1	Market																	
2	Limit																	
3	Stop																	
4	Stop Limit																	
1815	TradingCapacity	Y	1	210	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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Customer (Agency)</td> </tr> <tr> <td>5</td> <td>Principal (Proprietary)</td> </tr> <tr> <td>6</td> <td>MarketMaker</td> </tr> </tbody> </table>	Value	Description	1	Customer (Agency)	5	Principal (Proprietary)	6	MarketMaker				
Value	Description																	
1	Customer (Agency)																	
5	Principal (Proprietary)																	
6	MarketMaker																	
59	TimelnForce	N	1	211	unsigned int	Execution and trading restriction parameters supported by T7. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	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
Value	Description																	
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	212	unsigned int	Instructions for order handling. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Persistent Order (FIX value 'H')</td> </tr> <tr> <td>5</td> <td>Persistent and Book or Cancel order (FIX value 'H 6')</td> </tr> </tbody> </table>	Value	Description	1	Persistent Order (FIX value 'H')	5	Persistent and Book or Cancel order (FIX value 'H 6')						
Value	Description																	
1	Persistent Order (FIX value 'H')																	
5	Persistent and Book or Cancel order (FIX value 'H 6')																	
625	TradingSessionSubID	N	1	213	unsigned int	Marks a certain order as a closing auction one. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	2	Opening or opening auction	4	Closing or closing auction	8	Any auction				
Value	Description																	
2	Opening or opening auction																	
4	Closing or closing auction																	
8	Any auction																	

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description								
28703	AppSeqIndicator	N	1	214	unsigned int	Indicates if the order is a Lean Order or a Standard Order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>No Recovery Required</td> </tr> <tr> <td>1</td> <td>Recovery Required</td> </tr> </tbody> </table>	Value	Description	0	No Recovery Required	1	Recovery Required		
Value	Description													
0	No Recovery Required													
1	Recovery Required													
25007	FreeText1	N	12	215	Fixed String	First free-format text field for trader-specific or customer-related comments. Valid characters: \x20,\x22-\x7B,\x7D,\x7E								
25107	FreeText4	N	16	227	Fixed String	Fourth free-format text field for trader-specific or customer-related comments. Valid characters: \x20,\x22-\x7B,\x7D,\x7E								
1823	Triggered	Y	1	243	unsigned int	Indicates if an order has been previously triggered. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	0	Not Triggered	1	Triggered Stop	2	Triggered OCO
Value	Description													
0	Not Triggered													
1	Triggered Stop													
2	Triggered OCO													
25019	Pad4	U	4	244	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
<i><MessageHeaderIn></i>						
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.
28500	TemplatelD	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
25017	Pad2	U	2	14	Fixed String	not used
<i><RequestHeader></i>						
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.						
<i><Message Body></i>												
117	QuoteID	Y	8	24	unsigned int	Customer defined mass quote identifier.						
376	ComplianceID	N	8	32	unsigned int	For participants to uniquely identify trading strategies						
1300	MarketSegmentID	Y	4	40	signed int	Product identifier.						
28744	MatchInstCrossID	N	4	44	unsigned int	Self Match Prevention ID.						
25033	EnrichmentRuleID	N	2	48	unsigned int	Identifies an enrichment rule						
28710	PriceValidityCheckType	Y	1	50	unsigned int	Indicator how price validity check should be performed by the exchange (see the ETI Manual, chapter Price Reasonability Check). <table border="1" data-bbox="1023 913 1442 1039"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>None</td> </tr> <tr> <td>2</td> <td>Mandatory</td> </tr> </tbody> </table>	Value	Description	0	None	2	Mandatory
Value	Description											
0	None											
2	Mandatory											
28723	QuoteSizeType	Y	1	51	unsigned int	Identifies the quoting model. <table border="1" data-bbox="1023 1120 1442 1281"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Total Size (Quote Modification)</td> </tr> <tr> <td>2</td> <td>Open Size(Quote Entry)</td> </tr> </tbody> </table>	Value	Description	1	Total Size (Quote Modification)	2	Open Size(Quote Entry)
Value	Description											
1	Total Size (Quote Modification)											
2	Open Size(Quote Entry)											
295	NoQuoteEntries	Y	1	52	Counter	The number of quote entries for a Mass Quote.						
25018	Pad3	U	3	53	Fixed String	not used						
<i><QuoteEntryGrp></i>						<i>Cardinality: 0-100, Record counter: NoQuoteEntries</i>						
48	>SecurityID	Y	8	56	signed int	Instrument identifier.						
132	>BidPx	N	8	64	PriceType	Bid price/rate.						
133	>OfferPx	N	8	72	PriceType	Offer price/rate.						
134	>BidSize	N	4	80	Qty	Quantity of bid.						
135	>OfferSize	N	4	84	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				
<i><MessageHeaderOut></i>										
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)				
25017	Pad2	U	2	6	Fixed String	not used				
<i><NRResponseHeaderME></i>										
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.				
7764	RequestOut	Y	8	16	UTCTimestamp	Timestamp the gateway sends a message to the Matching Engine				
21002	TrdRegTSTimeIn	Y	8	24	UTCTimestamp	Matching engine in timestamp.				
21003	TrdRegTSTimeOut	Y	8	32	UTCTimestamp	Matching engine out timestamp.				
7765	ResponseIn	Y	8	40	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine				
52	SendingTime	Y	8	48	UTCTimestamp	Gateway response out timestamp.				
34	MsgSeqNum	Y	4	56	unsigned int	Message sequence number used by the participant for requests sent to the gateway.				
893	LastFragment	Y	1	60	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. <table border="1" data-bbox="1023 1518 1442 1599"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	1	Last Message
Value	Description									
1	Last Message									
25018	Pad3	U	3	61	Fixed String	not used				
<i><Message Body></i>										
117	QuoteID	Y	8	64	unsigned int	Customer defined mass quote identifier.				
693	QuoteResponseID	Y	8	72	UTCTimestamp	Mass quote response identifier generated by the exchange.				
1300	MarketSegmentID	Y	4	80	signed int	Product identifier.				
295	NoQuoteEntries	Y	1	84	Counter	The number of quote entries of a Mass Quote that could not be processed as requested.				
25018	Pad3	U	3	85	Fixed String	not used				

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description																																				
<QuoteEntryAckGrp>						Cardinality: 0-100, Record counter: NoQuoteEntries																																				
48	>SecurityID	Y	8	88	signed int	Instrument identifier.																																				
28547	>BidCxlSize	N	4	96	Qty	Quote quantity that has been cancelled on the buy side.																																				
28548	>OfferCxlSize	N	4	100	Qty	Quote quantity that has been cancelled on the sell side.																																				
368	>QuoteEntryReject-Reason	N	4	104	unsigned int	Reason code indicating why the quote entry has been rejected. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr><td>1</td><td>Unknown security</td></tr> <tr><td>6</td><td>Duplicate quote</td></tr> <tr><td>8</td><td>Invalid price</td></tr> <tr><td>16</td><td>Reference price not available</td></tr> <tr><td>100</td><td>Single sided quotes not allowed</td></tr> <tr><td>103</td><td>Invalid usage of quoting model</td></tr> <tr><td>106</td><td>Invalid size</td></tr> <tr><td>108</td><td>Bid price not reasonable</td></tr> <tr><td>109</td><td>Ask price not reasonable</td></tr> <tr><td>110</td><td>Bid price exceeds extended price range</td></tr> <tr><td>111</td><td>Ask price exceeds extended price range</td></tr> <tr><td>115</td><td>Instrument state freeze</td></tr> <tr><td>116</td><td>Deletion already pending</td></tr> <tr><td>117</td><td>Fuse Box violation on session level</td></tr> <tr><td>118</td><td>Fuse Box violation on BU level</td></tr> <tr><td>131</td><td>Instrument state does not allow processing</td></tr> <tr><td>*</td><td>More values</td></tr> </tbody> </table>	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	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	117	Fuse Box violation on session level	118	Fuse Box violation on BU level	131	Instrument state does not allow processing	*	More values
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																																									
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																																									
117	Fuse Box violation on session level																																									
118	Fuse Box violation on BU level																																									
131	Instrument state does not allow processing																																									
*	More values																																									

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description										
1167	>QuoteEntryStatus	Y	1	108	unsigned int	Identifies the status of an individual quote. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Accepted with warning</td> </tr> <tr> <td>5</td> <td>Rejected</td> </tr> <tr> <td>6</td> <td>Removed from Market</td> </tr> <tr> <td>10</td> <td>Pending</td> </tr> </tbody> </table>	Value	Description	0	Accepted with warning	5	Rejected	6	Removed from Market	10	Pending
Value	Description															
0	Accepted with warning															
5	Rejected															
6	Removed from Market															
10	Pending															
25018	>Pad3	U	3	109	Fixed String	not used										

7.3 Quote Execution Notification

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

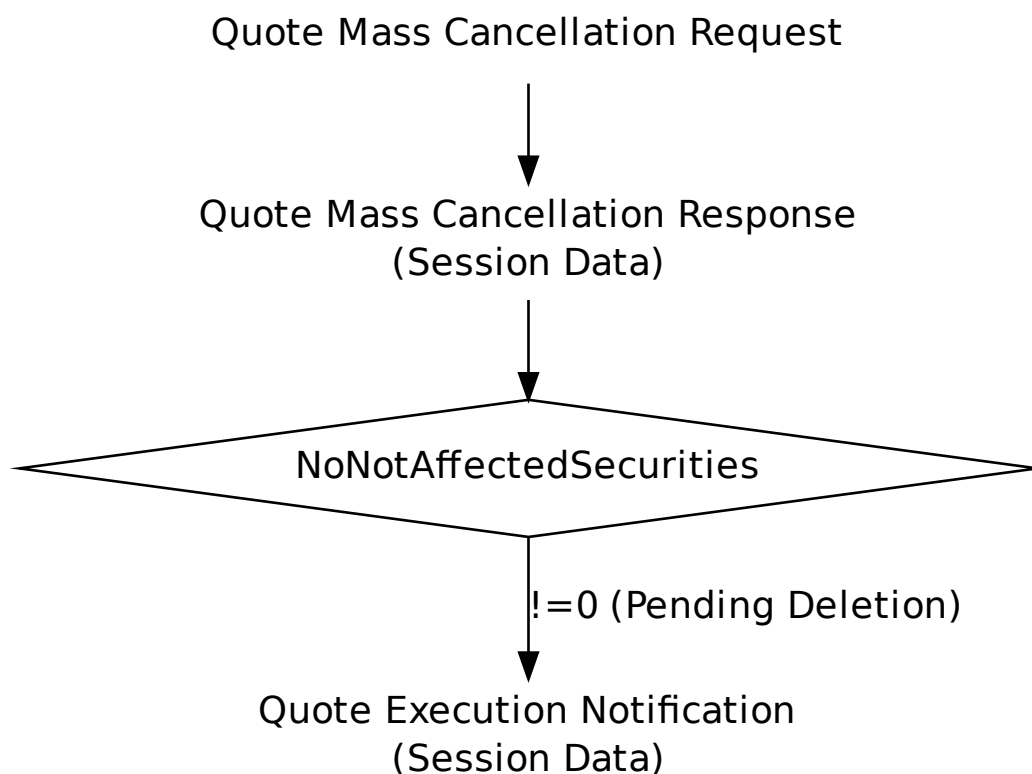
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description						
<i><MessageHeaderOut></i>												
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.						
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10407 (Quote-ExecutionReport, MsgType = U8)						
25017	Pad2	U	2	6	Fixed String	not used						
<i><RBCHeaderME></i>												
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	Gateway response out timestamp.						
28727	AppSubID	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	AppMsgID	N	16	38	data	Application message identifier assigned to an order or quote event.						
1180	AppIID	Y	1	54	unsigned int	Identifier for an ETI data stream. <table border="1" data-bbox="1023 1352 1442 1435"> <tr> <th>Value</th> <th>Description</th> </tr> <tr> <td>4</td> <td>Session Data</td> </tr> </table>	Value	Description	4	Session Data		
Value	Description											
4	Session Data											
1352	AppResendFlag	Y	1	55	unsigned int	Indicates a retransmission message. <table border="1" data-bbox="1023 1523 1442 1644"> <tr> <th>Value</th> <th>Description</th> </tr> <tr> <td>0</td> <td>False</td> </tr> <tr> <td>1</td> <td>True</td> </tr> </table>	Value	Description	0	False	1	True
Value	Description											
0	False											
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. <table border="1" data-bbox="1023 1841 1442 1962"> <tr> <th>Value</th> <th>Description</th> </tr> <tr> <td>0</td> <td>Not Last Message</td> </tr> <tr> <td>1</td> <td>Last Message</td> </tr> </table>	Value	Description	0	Not Last Message	1	Last Message
Value	Description											
0	Not Last Message											
1	Last Message											
25022	Pad7	U	7	57	Fixed String	not used						
<i><Message Body></i>												
17	ExecID	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.										
28706	NoQuoteEvents	Y	1	76	Counter	Number of QuoteEvent repeating group instances.										
25018	Pad3	U	3	77	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.										
1166	>QuoteMsgID	Y	8	96	unsigned int	Customer defined mass quote identifier.										
28714	>QuoteEventMatchID	N	4	104	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	108	signed int	Private identifier of a quote match step, which can be reconciled with the field SideTradeID (1506) in the Trade Notification.										
28542	>QuoteEventQty	N	4	112	Qty	Quantity executed in this fill.										
28539	>QuoteEventType	Y	1	116	unsigned int	Conveys the quote event type. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>Modified side</td> </tr> <tr> <td>3</td> <td>Removed Quote Side</td> </tr> <tr> <td>4</td> <td>Partially Filled</td> </tr> <tr> <td>5</td> <td>Filled</td> </tr> </tbody> </table>	Value	Description	2	Modified side	3	Removed Quote Side	4	Partially Filled	5	Filled
Value	Description															
2	Modified side															
3	Removed Quote Side															
4	Partially Filled															
5	Filled															
28581	>QuoteEventSide	Y	1	117	unsigned int	Side of the quote. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Buy</td> </tr> <tr> <td>2</td> <td>Sell</td> </tr> </tbody> </table>	Value	Description	1	Buy	2	Sell				
Value	Description															
1	Buy															
2	Sell															
28641	>QuoteEventLiquidity-Ind	N	1	118	unsigned int	Indicates whether the quote added or removed liquidity. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Added Liquidity</td> </tr> <tr> <td>2</td> <td>Removed Liquidity</td> </tr> </tbody> </table>	Value	Description	1	Added Liquidity	2	Removed Liquidity				
Value	Description															
1	Added Liquidity															
2	Removed Liquidity															

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description								
28733	>QuoteEventReason	N	1	119	unsigned int	Additional information why quote side was removed.								
						<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>14</td> <td>Pending Cancellation Executed</td> </tr> <tr> <td>15</td> <td>Invalid Price</td> </tr> <tr> <td>16</td> <td>Quote subject to crossing and match prevented</td> </tr> </tbody> </table>	Value	Description	14	Pending Cancellation Executed	15	Invalid Price	16	Quote subject to crossing and match prevented
Value	Description													
14	Pending Cancellation Executed													
15	Invalid Price													
16	Quote subject to crossing and match prevented													

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
<i><MessageHeaderIn></i>						
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
25017	Pad2	U	2	14	Fixed String	not used
<i><RequestHeader></i>						
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.
<i><Message Body></i>						
376	ComplianceID	N	8	24	unsigned int	For participants to uniquely identify trading strategies
1300	MarketSegmentID	Y	4	32	signed int	Product identifier.
20655	TargetPartyIDSessionID	Y	4	36	unsigned int	Session ID.

7.5 Quote Mass Cancellation Response

This message confirms a Quote Mass Cancellation request.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description						
<i><MessageHeaderOut></i>												
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)						
25017	Pad2	U	2	6	Fixed String	not used						
<i><NRResponseHeaderME></i>												
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.						
7764	RequestOut	Y	8	16	UTCTimestamp	Timestamp the gateway sends a message to the Matching Engine						
21002	TrdRegTSTimeIn	N	8	24	UTCTimestamp	Matching engine in timestamp.						
21003	TrdRegTSTimeOut	N	8	32	UTCTimestamp	Matching engine out timestamp.						
7765	ResponseIn	Y	8	40	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine						
52	SendingTime	Y	8	48	UTCTimestamp	Gateway response out timestamp.						
34	MsgSeqNum	Y	4	56	unsigned int	Message sequence number used by the participant for requests sent to the gateway.						
893	LastFragment	Y	1	60	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. <table border="1" data-bbox="1023 1435 1441 1563"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Not Last Message</td> </tr> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	0	Not Last Message	1	Last Message
Value	Description											
0	Not Last Message											
1	Last Message											
25018	Pad3	U	3	61	Fixed String	not used						
<i><Message Body></i>												
1369	MassActionReportID	Y	8	64	UTCTimestamp	Transaction timestamp.						
28707	NoNotAffectedSecurities	Y	2	72	Counter	Number of NotAffectedSecurities repeating group instances.						
25021	Pad6	U	6	74	Fixed String	not used						
<i><NotAffectedSecuritiesGrp></i>						Cardinality: 0-500, Record counter: NoNotAffectedSecurities						
28702	>NotAffectedSecurityID	Y	8	80	unsigned int	Instrument ID whose quote mass cancellation is pending.						

7.6 Quote Mass Cancellation Notification

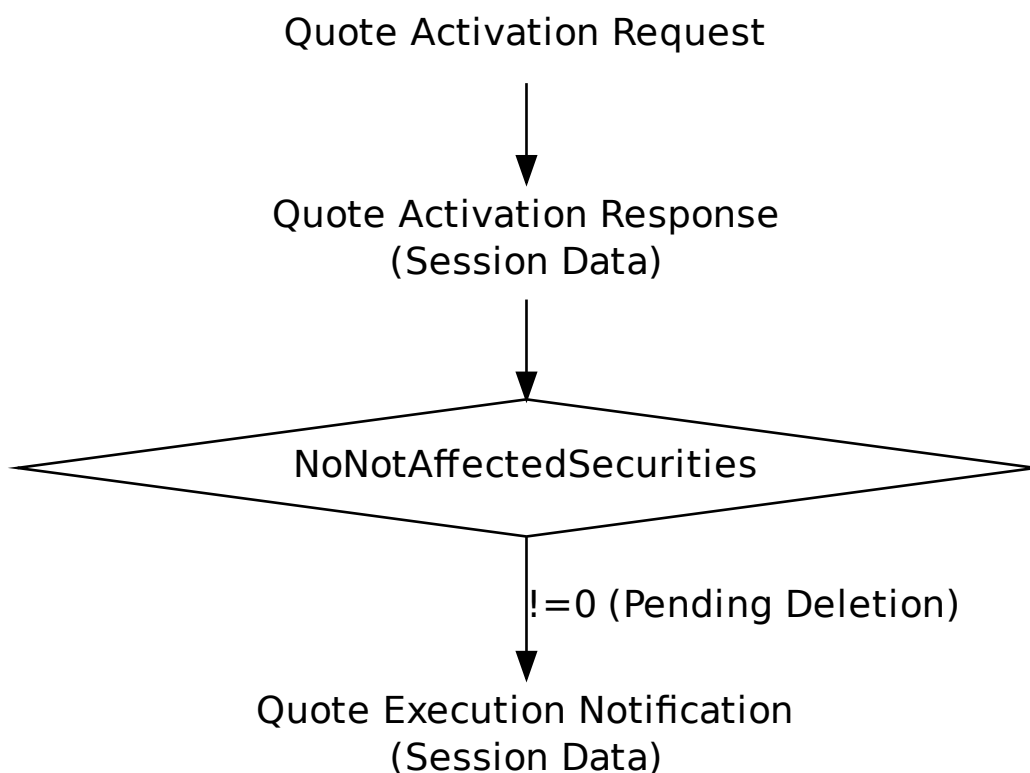
This message informs about an unsolicited Quote Mass Cancellation event. For more details, please refer to the ETI Manual, chapter Mass Cancellation Notification and Mass Cancellation Events.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description						
<i><MessageHeaderOut></i>												
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)						
25017	Pad2	U	2	6	Fixed String	not used						
<i><RBCHeaderME></i>												
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	Gateway response out timestamp.						
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. <table border="1"> <tr> <th>Value</th> <th>Description</th> </tr> <tr> <td>4</td> <td>Session Data</td> </tr> </table>	Value	Description	4	Session Data		
Value	Description											
4	Session Data											
1352	ApplResendFlag	Y	1	55	unsigned int	Indicates a retransmission message. <table border="1"> <tr> <th>Value</th> <th>Description</th> </tr> <tr> <td>0</td> <td>False</td> </tr> <tr> <td>1</td> <td>True</td> </tr> </table>	Value	Description	0	False	1	True
Value	Description											
0	False											
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. <table border="1"> <tr> <th>Value</th> <th>Description</th> </tr> <tr> <td>0</td> <td>Not Last Message</td> </tr> <tr> <td>1</td> <td>Last Message</td> </tr> </table>	Value	Description	0	Not Last Message	1	Last Message
Value	Description											
0	Not Last Message											
1	Last Message											
25022	Pad7	U	7	57	Fixed String	not used						
<i><Message Body></i>												

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description																
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	TargetPartyIDSessionID	Y	4	84	unsigned int	Session ID.																
20036	PartyIDEnteringTrader	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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>No special reason</td> </tr> <tr> <td>1</td> <td>Trading was stopped</td> </tr> <tr> <td>2</td> <td>Emergency</td> </tr> <tr> <td>3</td> <td>Market Maker Protection</td> </tr> <tr> <td>6</td> <td>Session loss or logout</td> </tr> <tr> <td>7</td> <td>Duplicate Session Login</td> </tr> <tr> <td>8</td> <td>Clearing Risk Control</td> </tr> </tbody> </table>	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
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																					
20007	PartyIDEnteringFirm	N	1	99	unsigned int	Entering Entity ID. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Participant</td> </tr> <tr> <td>2</td> <td>Market Supervision</td> </tr> </tbody> </table>	Value	Description	1	Participant	2	Market Supervision										
Value	Description																					
1	Participant																					
2	Market Supervision																					
20676	TargetPartyIDDeskID	N	3	100	Fixed String	Trader Group. Valid characters: A-Z,0-9,\x20																
25016	Pad1	U	1	103	Fixed String	not used																
<NotAffectedSecuritiesGrp>						Cardinality: 0-500, Record counter: NoNotAffectedSecurities																
28702	>NotAffectedSecurity- ID	Y	8	104	unsigned 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 or the product and instrument type 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
<i><MessageHeaderIn></i>						
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
25017	Pad2	U	2	14	Fixed String	not used
<i><RequestHeader></i>						
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.						
<i><Message Body></i>												
376	ComplianceID	N	8	24	unsigned int	For participants to uniquely identify trading strategies						
1300	MarketSegmentID	Y	4	32	signed int	Product identifier.						
20655	TargetPartyIDSessionID	Y	4	36	unsigned int	Session ID.						
1373	MassActionType	Y	1	40	unsigned int	Specifies the type of action requested. <table border="1" data-bbox="1023 703 1442 869"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Suspend quotes</td> </tr> <tr> <td>2</td> <td>Release quotes from suspension</td> </tr> </tbody> </table>	Value	Description	1	Suspend quotes	2	Release quotes from suspension
Value	Description											
1	Suspend quotes											
2	Release quotes from suspension											
25022	Pad7	U	7	41	Fixed String	not used						

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						
<i><MessageHeaderOut></i>												
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)						
25017	Pad2	U	2	6	Fixed String	not used						
<i><NRResponseHeaderME></i>												
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.						
7764	RequestOut	Y	8	16	UTCTimestamp	Timestamp the gateway sends a message to the Matching Engine						
21002	TrdRegTSTimeIn	N	8	24	UTCTimestamp	Matching engine in timestamp.						
21003	TrdRegTSTimeOut	N	8	32	UTCTimestamp	Matching engine out timestamp.						
7765	ResponseIn	Y	8	40	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine						
52	SendingTime	Y	8	48	UTCTimestamp	Gateway response out timestamp.						
34	MsgSeqNum	Y	4	56	unsigned int	Message sequence number used by the participant for requests sent to the gateway.						
893	LastFragment	Y	1	60	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. <table border="1" data-bbox="1023 1435 1441 1563"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Not Last Message</td> </tr> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	0	Not Last Message	1	Last Message
Value	Description											
0	Not Last Message											
1	Last Message											
25018	Pad3	U	3	61	Fixed String	not used						
<i><Message Body></i>												
1369	MassActionReportID	Y	8	64	UTCTimestamp	Transaction timestamp.						
28707	NoNotAffectedSecurities	Y	2	72	Counter	Number of NotAffectedSecurities repeating group instances.						
25021	Pad6	U	6	74	Fixed String	not used						
<i><NotAffectedSecuritiesGrp></i>						Cardinality: 0-500, Record counter: NoNotAffectedSecurities						
28702	>NotAffectedSecurityID	Y	8	80	unsigned 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.

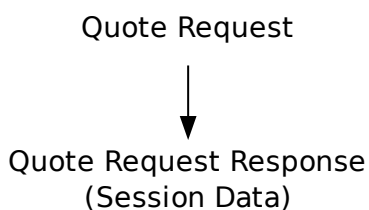
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description						
<i><MessageHeaderOut></i>												
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.						
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10411 (OrderMassActionReport, MsgType = BZ)						
25017	Pad2	U	2	6	Fixed String	not used						
<i><RBCHeaderME></i>												
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	Gateway response out timestamp.						
28727	AppSubID	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	AppMsgID	Y	16	38	data	Application message identifier assigned to an order or quote event.						
1180	AppIID	Y	1	54	unsigned int	Identifier for an ETI data stream. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Session Data</td> </tr> </tbody> </table>	Value	Description	4	Session Data		
Value	Description											
4	Session Data											
1352	AppResendFlag	Y	1	55	unsigned int	Indicates a retransmission message. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>False</td> </tr> <tr> <td>1</td> <td>True</td> </tr> </tbody> </table>	Value	Description	0	False	1	True
Value	Description											
0	False											
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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Not Last Message</td> </tr> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	0	Not Last Message	1	Last Message
Value	Description											
0	Not Last Message											
1	Last Message											
25022	Pad7	U	7	57	Fixed String	not used						
<i><Message Body></i>												
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	PartyIDEnteringTrader	N	4	76	unsigned int	Entering User ID.						
28707	NoNotAffectedSecurities	Y	2	80	Counter	Number of NotAffectedSecurities repeating group instances.						
20007	PartyIDEnteringFirm	N	1	82	unsigned int	Entering Entity ID. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Participant</td> </tr> <tr> <td>2</td> <td>Market Supervision</td> </tr> </tbody> </table>	Value	Description	1	Participant	2	Market Supervision
Value	Description											
1	Participant											
2	Market Supervision											
1373	MassActionType	Y	1	83	unsigned int	Specifies the type of action requested. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Suspend quotes</td> </tr> <tr> <td>2</td> <td>Release quotes from suspension</td> </tr> </tbody> </table>	Value	Description	1	Suspend quotes	2	Release quotes from suspension
Value	Description											
1	Suspend quotes											
2	Release quotes from suspension											
28721	MassActionReason	Y	1	84	unsigned int	Reason for mass cancellation. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>No special reason</td> </tr> <tr> <td>3</td> <td>Market Maker Protection</td> </tr> </tbody> </table>	Value	Description	0	No special reason	3	Market Maker Protection
Value	Description											
0	No special reason											
3	Market Maker Protection											
25018	Pad3	U	3	85	Fixed String	not used						
<NotAffectedSecuritiesGrp>						Cardinality: 0-500, Record counter: NoNotAffectedSecurities						
28702	>NotAffectedSecurity-ID	Y	8	88	unsigned int	Instrument ID whose quote mass cancellation or activation is pending.						

8 Quote and Cross Request

8.1 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						
<i><MessageHeaderIn></i>												
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 (Quote-Request, MsgType = R)						
25028	NetworkMsgID	U	8	6	Fixed String	not used						
25017	Pad2	U	2	14	Fixed String	not used						
<i><RequestHeader></i>												
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.						
<i><Message Body></i>												
48	SecurityID	Y	8	24	signed int	Instrument identifier.						
376	ComplianceID	N	8	32	unsigned int	For participants to uniquely identify trading strategies						
1300	MarketSegmentID	Y	4	40	signed int	Product identifier.						
38	OrderQty	N	4	44	Qty	Total Order Quantity.						
54	Side	N	1	48	unsigned int	Side of the order. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Buy</td> </tr> <tr> <td>2</td> <td>Sell</td> </tr> </tbody> </table>	Value	Description	1	Buy	2	Sell
Value	Description											
1	Buy											
2	Sell											
25022	Pad7	U	7	49	Fixed String	not used						

8.2 Quote Request Response

This message confirms a Quote Request.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description				
<i><MessageHeaderOut></i>										
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 (Request-Acknowledge, MsgType = U1)				
25017	Pad2	U	2	6	Fixed String	not used				
<i><NRResponseHeaderME></i>										
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.				
7764	RequestOut	Y	8	16	UTCTimestamp	Timestamp the gateway sends a message to the Matching Engine				
21002	TrdRegTSTimeIn	Y	8	24	UTCTimestamp	Matching engine in timestamp.				
21003	TrdRegTSTimeOut	Y	8	32	UTCTimestamp	Matching engine out timestamp.				
7765	ResponseIn	Y	8	40	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine				
52	SendingTime	Y	8	48	UTCTimestamp	Gateway response out timestamp.				
34	MsgSeqNum	Y	4	56	unsigned int	Message sequence number used by the participant for requests sent to the gateway.				
893	LastFragment	Y	1	60	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. <table border="1" data-bbox="1023 1435 1442 1525"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	1	Last Message
Value	Description									
1	Last Message									
25018	Pad3	U	3	61	Fixed String	not used				
<i><Message Body></i>										
17	ExecID	Y	8	64	UTCTimestamp	Transaction timestamp.				

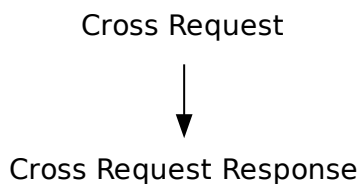
8.3 Cross Request Response

This message confirms a Cross Request.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description				
<i><MessageHeaderOut></i>										
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 (Request-Acknowledge, MsgType = U1)				
25017	Pad2	U	2	6	Fixed String	not used				
<i><NRResponseHeaderME></i>										
5979	RequestTime	Y	8	8	UTCTimestamp	Gateway request in timestamp.				
7764	RequestOut	Y	8	16	UTCTimestamp	Timestamp the gateway sends a message to the Matching Engine				
21002	TrdRegTSTimeIn	Y	8	24	UTCTimestamp	Matching engine in timestamp.				
21003	TrdRegTSTimeOut	Y	8	32	UTCTimestamp	Matching engine out timestamp.				
7765	ResponseIn	Y	8	40	UTCTimestamp	Timestamp the gateway receives a message from the Matching Engine				
52	SendingTime	Y	8	48	UTCTimestamp	Gateway response out timestamp.				
34	MsgSeqNum	Y	4	56	unsigned int	Message sequence number used by the participant for requests sent to the gateway.				
893	LastFragment	Y	1	60	unsigned int	Indicates whether this message is the last fragment (part) of a sequence of messages belonging to one dedicated transaction. <table border="1" data-bbox="1023 1435 1442 1525"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	1	Last Message
Value	Description									
1	Last Message									
25018	Pad3	U	3	61	Fixed String	not used				
<i><Message Body></i>										
17	ExecID	Y	8	64	UTCTimestamp	Transaction timestamp.				

8.4 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
<i><MessageHeaderIn></i>						
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 (Cross-Request, MsgType = U16)
25028	NetworkMsgID	U	8	6	Fixed String	not used
25017	Pad2	U	2	14	Fixed String	not used
<i><RequestHeader></i>						
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.
<i><Message Body></i>						
48	SecurityID	Y	8	24	signed int	Instrument identifier.
376	ComplianceID	N	8	32	unsigned int	For participants to uniquely identify trading strategies
1300	MarketSegmentID	Y	4	40	signed int	Product identifier.
38	OrderQty	Y	4	44	Qty	Total Order Quantity.

9 Other

9.1 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						
<i><MessageHeaderOut></i>												
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.						
28500	TemplatID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10042 (PartyAction-Report, MsgType = DI)						
25017	Pad2	U	2	6	Fixed String	not used						
<i><RBCHeader></i>												
52	SendingTime	Y	8	8	UTCTimestamp	Gateway response out timestamp.						
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. <table border="1" data-bbox="1023 1312 1442 1435"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>False</td> </tr> <tr> <td>1</td> <td>True</td> </tr> </tbody> </table>	Value	Description	0	False	1	True
Value	Description											
0	False											
1	True											
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. <table border="1" data-bbox="1023 1514 1442 1597"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>Risk Control</td> </tr> </tbody> </table>	Value	Description	6	Risk Control		
Value	Description											
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. <table border="1" data-bbox="1023 1794 1442 1877"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	1	Last Message		
Value	Description											
1	Last Message											
25022	Pad7	U	7	33	Fixed String	not used						
<i><Message Body></i>												
60	TransactTime	Y	8	40	UTCTimestamp	Transaction timestamp.						
75	TradeDate	N	4	48	LocalMktDate	Business date.						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description										
20812	RequestingParty- IDExecutingTrader	N	4	52	unsigned int	Owning User ID										
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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>T7 trading system</td> </tr> </tbody> </table>	Value	Description	2	T7 trading system						
Value	Description															
2	T7 trading system															
1301	MarketID	N	2	68	unsigned int	Market ID. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>XETR</td> </tr> <tr> <td>4</td> <td>XVIE</td> </tr> <tr> <td>5</td> <td>XDUB</td> </tr> <tr> <td>*</td> <td>More values</td> </tr> </tbody> </table>	Value	Description	3	XETR	4	XVIE	5	XDUB	*	More values
Value	Description															
3	XETR															
4	XVIE															
5	XDUB															
*	More values															
2329	PartyActionType	Y	1	70	unsigned int	<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Halt trading</td> </tr> <tr> <td>2</td> <td>Reinstate</td> </tr> </tbody> </table>	Value	Description	1	Halt trading	2	Reinstate				
Value	Description															
1	Halt trading															
2	Reinstate															
20807	RequestingParty- IDEnteringFirm	Y	1	71	unsigned int	<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Participant</td> </tr> <tr> <td>2</td> <td>Market Supervision</td> </tr> </tbody> </table>	Value	Description	1	Participant	2	Market Supervision				
Value	Description															
1	Participant															
2	Market Supervision															

9.2 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						
<i><MessageHeaderOut></i>												
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 (Trade-CaptureReport, MsgType = AE)						
25017	Pad2	U	2	6	Fixed String	not used						
<i><RBCHeader></i>												
52	SendingTime	Y	8	8	UTCTimestamp	Gateway response out timestamp.						
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. <table border="1" data-bbox="1023 1355 1442 1480"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>False</td> </tr> <tr> <td>1</td> <td>True</td> </tr> </tbody> </table>	Value	Description	0	False	1	True
Value	Description											
0	False											
1	True											
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. <table border="1" data-bbox="1023 1556 1442 1637"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Trade</td> </tr> </tbody> </table>	Value	Description	1	Trade		
Value	Description											
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. <table border="1" data-bbox="1023 1839 1442 1919"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	1	Last Message		
Value	Description											
1	Last Message											
25022	Pad7	U	7	33	Fixed String	not used						
<i><Message Body></i>												
48	SecurityID	Y	8	40	signed int	Instrument identifier.						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
44	Price	N	8	48	PriceType	Limit price. Required if OrdType (40) is Limit (2) or Stop Limit (4).
31	LastPx	Y	8	56	PriceType	Price of this fill.
119	SettlCurrAmt	Y	8	64	float	The sum of money to be settled.
155	SettlCurrFxRate	N	8	72	float	The exchange rate which applies to a non-Euro settlement currency.
60	TransactTime	Y	8	80	UTCTimestamp	Transaction timestamp.
37	OrderID	N	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. For quotes the QuoteMsgID (1166) is provided in the trade notification.
1003	TradelD	Y	4	104	unsigned int	Uniquely identifies all order leg allocations referring to the same match event, simple instrument and price.
1126	OrigTradelD	N	4	108	unsigned int	In case of a trade reversal/modification this field provides the original trade identifier.
20459	RootPartyIDExecuting-Unit	Y	4	112	unsigned int	Business Unit ID.
20455	RootPartyIDSessionID	N	4	116	unsigned int	Session ID.
20412	RootPartyIDExecuting-Trader	Y	4	120	unsigned int	Owning User ID.
25113	RootParty-IDSettlementUnit	Y	4	124	unsigned int	Settlement Business Unit ID.
25026	RootPartyIDClearing-Unit	Y	4	128	unsigned int	Clearing Business Unit ID.
25114	RootPartyIDContraUnit	N	4	132	unsigned int	The identifier of the participant counterparty institution.
25116	RootPartyIDContra-SettlementUnit	N	4	136	unsigned int	The Settlement Business Unit ID of the counter party.
25108	OrderIDSfx	Y	4	140	unsigned int	System order version number.
14	CumQty	N	4	144	Qty	Cumulated executed quantity of an order.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description										
151	LeavesQty	N	4	148	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.										
1300	MarketSegmentID	Y	4	152	signed int	Product identifier.										
32	LastQty	Y	4	156	Qty	Quantity executed in this fill.										
1506	SideTradeID	Y	4	160	unsigned int	Private trade identifier of an order or quote match step.										
1005	SideTradeReportID	N	4	164	unsigned int	Unique identifier for each side of a trade (with or without a central counterparty).										
2490	TradeNumber	N	4	168	unsigned int	Number of SideTradeReportIDs per SideTradeID.										
28582	MatchDate	Y	4	172	LocalMktDate	Business day of the match event.										
64	SettlDate	Y	4	176	LocalMktDate	The date on which settlement is to be effected.										
880	TrdMatchID	Y	4	180	unsigned int	Unique identifier for each price level (match step) of a match event; it is used for public trade reporting.										
1301	MarketID	Y	2	184	unsigned int	Market ID. <table border="1" data-bbox="1023 1305 1442 1512"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>XETR</td> </tr> <tr> <td>4</td> <td>XVIE</td> </tr> <tr> <td>5</td> <td>XDUB</td> </tr> <tr> <td>*</td> <td>More values</td> </tr> </tbody> </table>	Value	Description	3	XETR	4	XVIE	5	XDUB	*	More values
Value	Description															
3	XETR															
4	XVIE															
5	XDUB															
*	More values															

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description												
856	TradeReportType	Y	1	186	unsigned int	<p>Identifies the type of trade notification.</p> <p>The values 1 (= Alleged) and 5 (= No/Was) can occur only in the context of Variance Futures and TRF, where 'Alleged' represents the preliminary Trade Report during the business day and 'No/Was' is the final Trade Report at the end of the business day. The values 2 (=Accept), 6 (=Trade Report Cancel), 11 (=Alleged New), and 13 (=Alleged No/Was) can occur only in the context of TES.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Trade</td> </tr> <tr> <td>7</td> <td>(Locked-In) Trade Break</td> </tr> </tbody> </table>	Value	Description	0	Trade	7	(Locked-In) Trade Break						
Value	Description																	
0	Trade																	
7	(Locked-In) Trade Break																	
830	TransferReason	Y	1	187	unsigned int	<p>Identifies the role for which the trade notification is received.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Owner</td> </tr> <tr> <td>2</td> <td>Clearer</td> </tr> </tbody> </table>	Value	Description	1	Owner	2	Clearer						
Value	Description																	
1	Owner																	
2	Clearer																	
574	MatchType	N	1	188	unsigned int	<p>The point in the matching process at which this trade was matched.</p> <p>The value 3(=Confirmed Trade Report) represents Trades entered by Market Supervision.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	3	Confirmed Trade Report (reporting from recognized markets)	4	Auto-match incoming order	5	Cross Auction	7	Call Auction	11	Auto match resting order
Value	Description																	
3	Confirmed Trade Report (reporting from recognized markets)																	
4	Auto-match incoming order																	
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7	Call Auction																	
11	Auto match resting order																	

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description										
28610	MatchSubType	N	1	189	unsigned int	<p>Indicates the auction type the trade originates from. Not filled for uncrossing, i.e. when a complex instrument switches to the instrument state "Continuous".</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	1	Opening auction	2	Closing auction	3	Intraday auction	4	Circuit Breaker auction
Value	Description															
1	Opening auction															
2	Closing auction															
3	Intraday auction															
4	Circuit Breaker auction															
54	Side	Y	1	190	unsigned int	<p>Side of the trade. Leg executions of sell orders for complex instruments will have an inverted value compared to the signature.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Buy</td> </tr> <tr> <td>2</td> <td>Sell</td> </tr> </tbody> </table>	Value	Description	1	Buy	2	Sell				
Value	Description															
1	Buy															
2	Sell															
1444	SideLiquidityInd	N	1	191	unsigned int	<p>Order initiator is passive or aggressor</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Added liquidity (passive)</td> </tr> <tr> <td>2</td> <td>Removed liquidity (aggressive)</td> </tr> <tr> <td>4</td> <td>Auction</td> </tr> </tbody> </table>	Value	Description	1	Added liquidity (passive)	2	Removed liquidity (aggressive)	4	Auction		
Value	Description															
1	Added liquidity (passive)															
2	Removed liquidity (aggressive)															
4	Auction															
28890	DeliveryType	Y	1	192	unsigned int	<p>Delivery Type</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Auslandskassenverein</td> </tr> <tr> <td>2</td> <td>Girosammelverwahrung</td> </tr> <tr> <td>3</td> <td>Streifbandverwahrung</td> </tr> <tr> <td>4</td> <td>Wertpapierrechnung</td> </tr> </tbody> </table>	Value	Description	1	Auslandskassenverein	2	Girosammelverwahrung	3	Streifbandverwahrung	4	Wertpapierrechnung
Value	Description															
1	Auslandskassenverein															
2	Girosammelverwahrung															
3	Streifbandverwahrung															
4	Wertpapierrechnung															
1815	TradingCapacity	Y	1	193	unsigned int	<p>This field designates if the trader is acting in the capacity of agent, trading for its own account or acting as a market maker.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Customer (Agency)</td> </tr> <tr> <td>5</td> <td>Principal (Proprietary)</td> </tr> <tr> <td>6</td> <td>MarketMaker</td> </tr> </tbody> </table>	Value	Description	1	Customer (Agency)	5	Principal (Proprietary)	6	MarketMaker		
Value	Description															
1	Customer (Agency)															
5	Principal (Proprietary)															
6	MarketMaker															

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description						
1	Account	N	2	194	Fixed String	Accounts to book trades and keep positions on. Valid characters: 1-9, \x41, \x47, \x4D, \x50						
120	SettlCurrency	Y	3	196	CurrencyType	The ISO Code of the currency in which settlement is conducted. Valid characters: A-Z,0-9, \x20						
15	Currency	Y	3	199	CurrencyType	The ISO Code of the currency in which a price is quoted/shown. Valid characters: A-Z,0-9, \x20						
25007	FreeText1	N	12	202	Fixed String	First free-format text field for trader-specific or customer-related comments. Valid characters: \x20, \x22- \x7B, \x7D, \x7E						
25107	FreeText4	N	16	214	Fixed String	Fourth free-format text field for trader-specific or customer-related comments. Valid characters: \x20, \x22- \x7B, \x7D, \x7E						
1115	OrderCategory	N	1	230	char	Indicates if the trade notification results from an order or quote. <table border="1" data-bbox="1023 1263 1442 1391"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Order</td> </tr> <tr> <td>2</td> <td>Quote</td> </tr> </tbody> </table>	Value	Description	1	Order	2	Quote
Value	Description											
1	Order											
2	Quote											
40	OrdType	N	1	231	unsigned int	Order type. <table border="1" data-bbox="1023 1469 1442 1597"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Market</td> </tr> <tr> <td>2</td> <td>Limit</td> </tr> </tbody> </table>	Value	Description	1	Market	2	Limit
Value	Description											
1	Market											
2	Limit											
22401	RootPartyExecuting-Firm	Y	5	232	Fixed String	Participant Short Name. Valid characters: \x20, \x22- \x7B, \x7D, \x7E						
22412	RootPartyExecuting-Trader	Y	6	237	Fixed String	Owning User Short Name. Valid characters: \x20, \x22- \x7B, \x7D, \x7E						
22404	RootPartyClearingFirm	Y	5	243	Fixed String	Clearing Member Short Name. Valid characters: \x20, \x22- \x7B, \x7D, \x7E						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description																																								
25112	RootPartyExecuting-FirmKVNumber	Y	4	248	Fixed String	The KV-Number of the participant Valid characters: \x20,\x22-\x7B,\x7D,\x7E																																								
22491	RootPartySettlement-Account	Y	35	252	Fixed String	The settlement account of the participant resp. the settlement account of the participant's clearing member Valid characters: \x20,\x22-\x7B,\x7D,\x7E																																								
22410	RootPartySettlement-Location	Y	3	287	Fixed String	The settlement location of the participant resp. the settlement account of the participant's clearing member. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>APK</td> <td>APK - Euroclear Finland</td> </tr> <tr> <td>CBF</td> <td>CBF - Clearstream Banking Frankfurt</td> </tr> <tr> <td>CBL</td> <td>CBL - Clearstream Banking Luxembourg</td> </tr> <tr> <td>CCO</td> <td>CCO - Euroclear UK and Ireland</td> </tr> <tr> <td>CIK</td> <td>CIK - Euroclear Belgium</td> </tr> <tr> <td>EOC</td> <td>EOC - Euroclear Bank</td> </tr> <tr> <td>HEL</td> <td>HEL - HELEX Greece</td> </tr> <tr> <td>IBC</td> <td>IBC - Iberclear Spain</td> </tr> <tr> <td>INT</td> <td>INT - Interbolsa Portugal</td> </tr> <tr> <td>KDP</td> <td>KDP - KDPW Poland</td> </tr> <tr> <td>MOT</td> <td>MOT - Monte Titoli Italy</td> </tr> <tr> <td>NEC</td> <td>NEC - Euroclear Netherlands</td> </tr> <tr> <td>OEB</td> <td>OEB - OeKB Austria</td> </tr> <tr> <td>SIC</td> <td>SIC - Euroclear France</td> </tr> <tr> <td>SIS</td> <td>SIS - Sega Intersettle</td> </tr> <tr> <td>VPC</td> <td>VPC - Euroclear Sweden</td> </tr> <tr> <td>VPD</td> <td>VPD - VP Denmark</td> </tr> <tr> <td>VPS</td> <td>VPS - VPS Norway</td> </tr> <tr> <td>*</td> <td>More values</td> </tr> </tbody> </table>	Value	Description	APK	APK - Euroclear Finland	CBF	CBF - Clearstream Banking Frankfurt	CBL	CBL - Clearstream Banking Luxembourg	CCO	CCO - Euroclear UK and Ireland	CIK	CIK - Euroclear Belgium	EOC	EOC - Euroclear Bank	HEL	HEL - HELEX Greece	IBC	IBC - Iberclear Spain	INT	INT - Interbolsa Portugal	KDP	KDP - KDPW Poland	MOT	MOT - Monte Titoli Italy	NEC	NEC - Euroclear Netherlands	OEB	OEB - OeKB Austria	SIC	SIC - Euroclear France	SIS	SIS - Sega Intersettle	VPC	VPC - Euroclear Sweden	VPD	VPD - VP Denmark	VPS	VPS - VPS Norway	*	More values
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VPS	VPS - VPS Norway																																													
*	More values																																													
22490	RootPartySettlement-Firm	Y	5	290	Fixed String	Valid characters: A-Z,0-9,\x20																																								
22417	RootPartyContraFirm	N	5	295	Fixed String	The identifier of the member counterparty institution. Valid characters: A-Z,0-9,\x20																																								

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description																																								
25119	RootPartyContra-SettlementFirm	N	5	300	Fixed String	The counterpart's clearing member. Valid characters: A-Z,0-9,\x20																																								
25115	RootPartyContraFirm-KVNumber	N	4	305	Fixed String	The KV-Number of the participant which was counterparty of a trade. Valid characters: \x20,\x22-\x7B,\x7D,\x7E																																								
25117	RootPartyContra-SettlementAccount	Y	35	309	Fixed String	The settlement account of the counterparty resp. the settlement account of the counterparty's clearing member. Valid characters: \x20,\x22-\x7B,\x7D,\x7E																																								
25118	RootPartyContra-SettlementLocation	Y	3	344	Fixed String	The settlement location of the counterparty member resp. the settlement location of the counterparty's clearing member. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>APK</td> <td>APK - Euroclear Finland</td> </tr> <tr> <td>CBF</td> <td>CBF - Clearstream Banking Frankfurt</td> </tr> <tr> <td>CBL</td> <td>CBL - Clearstream Banking Luxembourg</td> </tr> <tr> <td>CCO</td> <td>CCO - Euroclear UK and Ireland</td> </tr> <tr> <td>CIK</td> <td>CIK - Euroclear Belgium</td> </tr> <tr> <td>EOC</td> <td>EOC - Euroclear Bank</td> </tr> <tr> <td>HEL</td> <td>HEL - HELEX Greece</td> </tr> <tr> <td>IBC</td> <td>IBC - Iberclear Spain</td> </tr> <tr> <td>INT</td> <td>INT - Interbolsa Portugal</td> </tr> <tr> <td>KDP</td> <td>KDP - KDPW Poland</td> </tr> <tr> <td>MOT</td> <td>MOT - Monte Titoli Italy</td> </tr> <tr> <td>NEC</td> <td>NEC - Euroclear Netherlands</td> </tr> <tr> <td>OEB</td> <td>OEB - OeKB Austria</td> </tr> <tr> <td>SIC</td> <td>SIC - Euroclear France</td> </tr> <tr> <td>SIS</td> <td>SIS - Sega Inter-settle</td> </tr> <tr> <td>VPC</td> <td>VPC - Euroclear Sweden</td> </tr> <tr> <td>VPD</td> <td>VPD - VP Denmark</td> </tr> <tr> <td>VPS</td> <td>VPS - VPS Norway</td> </tr> <tr> <td>*</td> <td>More values</td> </tr> </tbody> </table>	Value	Description	APK	APK - Euroclear Finland	CBF	CBF - Clearstream Banking Frankfurt	CBL	CBL - Clearstream Banking Luxembourg	CCO	CCO - Euroclear UK and Ireland	CIK	CIK - Euroclear Belgium	EOC	EOC - Euroclear Bank	HEL	HEL - HELEX Greece	IBC	IBC - Iberclear Spain	INT	INT - Interbolsa Portugal	KDP	KDP - KDPW Poland	MOT	MOT - Monte Titoli Italy	NEC	NEC - Euroclear Netherlands	OEB	OEB - OeKB Austria	SIC	SIC - Euroclear France	SIS	SIS - Sega Inter-settle	VPC	VPC - Euroclear Sweden	VPD	VPD - VP Denmark	VPS	VPS - VPS Norway	*	More values
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VPS	VPS - VPS Norway																																													
*	More values																																													
25020	Pad5	U	5	347	Fixed String	not used																																								

9.3 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						
<i><MessageHeaderOut></i>												
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 (Trading-SessionStatus, MsgType = h)						
25017	Pad2	U	2	6	Fixed String	not used						
<i><RBCHeader></i>												
52	SendingTime	Y	8	8	UTCTimestamp	Gateway response out timestamp.						
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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>False</td> </tr> <tr> <td>1</td> <td>True</td> </tr> </tbody> </table>	Value	Description	0	False	1	True
Value	Description											
0	False											
1	True											
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Trade</td> </tr> </tbody> </table>	Value	Description	1	Trade		
Value	Description											
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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	1	Last Message		
Value	Description											
1	Last Message											
25022	Pad7	U	7	33	Fixed String	not used						
<i><Message Body></i>												

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description				
1368	TradSesEvent	Y	1	40	unsigned int	Trading session event type. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>104</td> <td>End of Service</td> </tr> </tbody> </table>	Value	Description	104	End of Service
Value	Description									
104	End of Service									
25022	Pad7	U	7	41	Fixed String	not used				

9.4 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.

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description						
<i><MessageHeaderOut></i>												
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.						
28500	TemplatelD	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10030 (User-Notification, MsgType = CB)						
25017	Pad2	U	2	6	Fixed String	not used						
<i><NRBCHeader></i>												
52	SendingTime	Y	8	8	UTCTimestamp	Gateway response out timestamp.						
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. <table border="1" data-bbox="1023 1111 1441 1193"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>Service Availability</td> </tr> </tbody> </table>	Value	Description	3	Service Availability		
Value	Description											
3	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. <table border="1" data-bbox="1023 1391 1441 1514"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Not Last Message</td> </tr> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	0	Not Last Message	1	Last Message
Value	Description											
0	Not Last Message											
1	Last Message											
25017	Pad2	U	2	22	Fixed String	not used						
<i><Message Body></i>												
25030	MatchingEngineTradeDate	N	4	24	LocalMktDate	Current business day for Order/Quote Management service.						
25031	TradeManagerTradeDate	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.						
5948	PartitionID	Y	2	36	unsigned int	Grouping of T7 products. Belongs to the scope of Service Availability and Retransmit requests.						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description						
25005	MatchingEngineStatus	Y	1	38	unsigned int	Order/Quote Management service: Informs if trading is active for grouping of T7 products. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Unavailable</td> </tr> <tr> <td>1</td> <td>Available</td> </tr> </tbody> </table>	Value	Description	0	Unavailable	1	Available
Value	Description											
0	Unavailable											
1	Available											
25006	TradeManagerStatus	Y	1	39	unsigned int	Trades service: Informs about the availability of the retransmission service of trades for a grouping of T7 products. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Unavailable</td> </tr> <tr> <td>1</td> <td>Available</td> </tr> </tbody> </table>	Value	Description	0	Unavailable	1	Available
Value	Description											
0	Unavailable											
1	Available											
28732	AppSeqStatus	Y	1	40	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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Unavailable</td> </tr> <tr> <td>1</td> <td>Available</td> </tr> </tbody> </table>	Value	Description	0	Unavailable	1	Available
Value	Description											
0	Unavailable											
1	Available											
25022	Pad7	U	7	41	Fixed String	not used						

9.5 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						
<i><MessageHeaderOut></i>												
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, Msg-Type = B)						
25017	Pad2	U	2	6	Fixed String	not used						
<i><RBCHeader></i>												
52	SendingTime	Y	8	8	UTCTimestamp	Gateway response out timestamp.						
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. <table border="1" data-bbox="1023 1395 1442 1518"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>False</td> </tr> <tr> <td>1</td> <td>True</td> </tr> </tbody> </table>	Value	Description	0	False	1	True
Value	Description											
0	False											
1	True											
1180	ApplID	Y	1	31	unsigned int	Identifier for an ETI data stream. <table border="1" data-bbox="1023 1597 1442 1675"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>News</td> </tr> </tbody> </table>	Value	Description	2	News		
Value	Description											
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. <table border="1" data-bbox="1023 1877 1442 1955"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	1	Last Message		
Value	Description											
1	Last Message											
25022	Pad7	U	7	33	Fixed String	not used						
<i><Message Body></i>												

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
25021	Pad6	U	6	306	Fixed String	not used
30355	VarText	N	2000	312	Variable String	News text. Valid characters: \x09,\x0A,\x0D,\x20-\x7B,\x7D,\x7E

9.6 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						
<i><MessageHeaderOut></i>												
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)						
25017	Pad2	U	2	6	Fixed String	not used						
<i><RBCHeaderME></i>												
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	Gateway response out timestamp.						
28727	AppSubID	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	AppMsgID	Y	16	38	data	Application message identifier assigned to an order or quote event.						
1180	AppIID	Y	1	54	unsigned int	Identifier for an ETI data stream. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Session Data</td> </tr> <tr> <td>5</td> <td>Listener Data</td> </tr> </tbody> </table>	Value	Description	4	Session Data	5	Listener Data
Value	Description											
4	Session Data											
5	Listener Data											
1352	ApplResendFlag	Y	1	55	unsigned int	Indicates a retransmission message. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>False</td> </tr> <tr> <td>1</td> <td>True</td> </tr> </tbody> </table>	Value	Description	0	False	1	True
Value	Description											
0	False											
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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	1	Last Message		
Value	Description											
1	Last Message											
25022	Pad7	U	7	57	Fixed String	not used						
<i><Message Body></i>												
1300	MarketSegmentID	N	4	64	signed int	Product identifier.						

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description												
75	TradeDate	N	4	68	LocalMktDate	Business date.												
1368	TradSesEvent	Y	1	72	unsigned int	Trading session event type. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	101	Start of Service	102	Market Reset	103	End of Restatement	104	End of Service	105	Service Resumed
Value	Description																	
101	Start of Service																	
102	Market Reset																	
103	End of Restatement																	
104	End of Service																	
105	Service Resumed																	
28722	RefApplLastMsgID	N	16	73	data	Last persisted application message identifier in case of a Market Reset event.												
25022	Pad7	U	7	89	Fixed String	not used												

9.7 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						
<i><MessageHeaderOut></i>												
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)						
25017	Pad2	U	2	6	Fixed String	not used						
<i><RBCHeaderME></i>												
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	Gateway response out timestamp.						
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. <table border="1" data-bbox="1023 1585 1442 1713"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Session Data</td> </tr> <tr> <td>5</td> <td>Listener Data</td> </tr> </tbody> </table>	Value	Description	4	Session Data	5	Listener Data
Value	Description											
4	Session Data											
5	Listener Data											
1352	ApplResendFlag	Y	1	55	unsigned int	Indicates a retransmission message. <table border="1" data-bbox="1023 1794 1442 1921"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>False</td> </tr> <tr> <td>1</td> <td>True</td> </tr> </tbody> </table>	Value	Description	0	False	1	True
Value	Description											
0	False											
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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Last Message</td> </tr> </tbody> </table>	Value	Description	1	Last Message										
Value	Description																			
1	Last Message																			
25022	Pad7	U	7	57	Fixed String	not used														
<i><Message Body></i>																				
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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>105</td> <td>Product State Halt</td> </tr> <tr> <td>106</td> <td>Product State Holiday</td> </tr> <tr> <td>107</td> <td>Instrument Suspended</td> </tr> <tr> <td>110</td> <td>Volatility Interruption</td> </tr> <tr> <td>111</td> <td>Product temporarily not tradeable</td> </tr> <tr> <td>113</td> <td>Instrument Stopped</td> </tr> </tbody> </table>	Value	Description	105	Product State Halt	106	Product State Holiday	107	Instrument Suspended	110	Volatility Interruption	111	Product temporarily not tradeable	113	Instrument Stopped
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105	Product State Halt																			
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110	Volatility Interruption																			
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113	Instrument Stopped																			
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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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>3</td> <td>Persistent and non-persistent orders affected (FIX value 'H Q')</td> </tr> </tbody> </table>	Value	Description	1	Persistent Order (FIX value 'H')	2	Non-persistent Order (FIX value 'Q')	3	Persistent and non-persistent orders affected (FIX value 'H Q')						
Value	Description																			
1	Persistent Order (FIX value 'H')																			
2	Non-persistent Order (FIX value 'Q')																			
3	Persistent and non-persistent orders affected (FIX value 'H Q')																			
25017	Pad2	U	2	86	Fixed String	not used														

9.8 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.

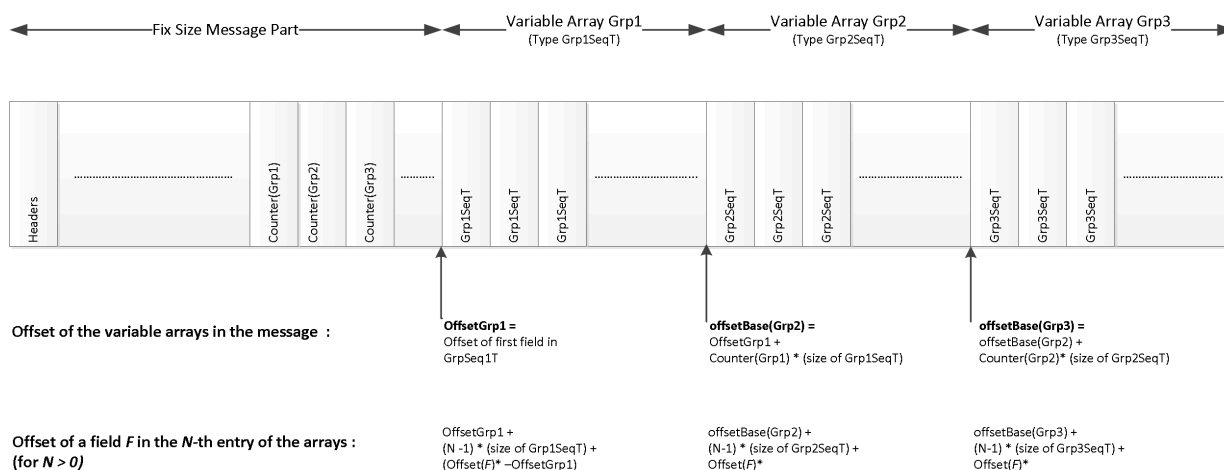
Tag	Field Name	Req'd	Len	Ofs	Data Type	Description														
<i><MessageHeaderOut></i>																				
9	BodyLen	Y	4	0	unsigned int	Number of bytes for the message, including this field.														
28500	TemplateID	Y	2	4	unsigned int	Unique identifier for a T7 ETI message layout. Value: 10032 (Application-MessageReport, MsgType = BY)														
25017	Pad2	U	2	6	Fixed String	not used														
<i><NotifHeader></i>																				
52	SendingTime	Y	8	8	UTCTimestamp	Gateway response out timestamp.														
<i><Message Body></i>																				
28724	ApplIDStatus	Y	4	16	unsigned int	Application sequencing related error code. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>105</td> <td>Error converting response or broadcast</td> </tr> <tr> <td>*</td> <td>More values</td> </tr> </tbody> </table>	Value	Description	105	Error converting response or broadcast	*	More values								
Value	Description																			
105	Error converting response or broadcast																			
*	More values																			
28728	RefAppSubID	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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Trade</td> </tr> <tr> <td>2</td> <td>News</td> </tr> <tr> <td>3</td> <td>Service Availability</td> </tr> <tr> <td>4</td> <td>Session Data</td> </tr> <tr> <td>5</td> <td>Listener Data</td> </tr> <tr> <td>6</td> <td>Risk Control</td> </tr> </tbody> </table>	Value	Description	1	Trade	2	News	3	Service Availability	4	Session Data	5	Listener Data	6	Risk Control
Value	Description																			
1	Trade																			
2	News																			
3	Service Availability																			
4	Session Data																			
5	Listener Data																			
6	Risk Control																			
1409	SessionStatus	Y	1	27	unsigned int	Session status. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Session active</td> </tr> <tr> <td>4</td> <td>Session logout complete</td> </tr> </tbody> </table>	Value	Description	0	Session active	4	Session logout complete								
Value	Description																			
0	Session active																			
4	Session logout complete																			
25019	Pad4	U	4	28	Fixed String	not used														

Tag	Field Name	Req'd	Len	Ofs	Data Type	Description
30355	VarText	Y	2000	32	Variable String	Error text. Valid characters: \x09,\x0A,\x0D, \x20-\x7B,\x7D,\x7E

A Appendix

A.1 Variable Arrays

How to Access Variable Arrays and Fields within Variable Arrays



* Offset → taken from XML-file: value of the offset attribute of a field 'F' in a message

A.2 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.

Definitions	Description
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 .

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

B Change Log

B.1 T7 Release 5.0 – Simulation Version

Please note that changing the size of an ETI field might change the order of the fields in the ETI message and the size of the 'padding-byte' fields.

Changes to T7 Release 5.0 Preliminary Version:

- removed *PartyIDEnteringFirm* from [Extended deletion Report \(10128\)](#)
- added *StopPx* to [Replace Order Response \(Lean Order\) \(10108\)](#), [Replace Order Response \(Standard Order\) \(10107\)](#)
- added *StopPxIndicator* to [Replace Order Single \(10106\)](#)