

Deutsche Börse Group's T7

FIX LF Interface

Cash Message Reference

Release 15.0

FIX LF Version	15.0
FIX LF Subversion	C0001
Build Version	150.520.1.ga-150005020-63
Date	27 July 2026

Disclaimer

© Deutsche Börse Group 2026

This content is for informational purposes only. None of the information constitutes investment advice or an offer to sell or the solicitation of an offer to buy any contract, share or other financial instrument. This content is only for use as general information and all descriptions, examples and calculations contained are for illustrative purposes only.

Deutsche Börse AG, Frankfurter Wertpapierbörse (FWB®, the Frankfurt Stock Exchange), Eurex Frankfurt AG, Eurex Deutschland and Eurex Clearing AG do not represent that the information in this publication is comprehensive, complete or accurate and exclude liability for any consequence resulting from acting upon the contents of this or another publication, in so far as no willful violation of obligations took place or, as the case may be, no injury to life, health or body arises or claims resulting from the Product Liability Act are affected.

Securities traded on the Frankfurt Stock Exchange and Eurex derivatives (other than EURO STOXX 50® Index Futures contracts, EURO STOXX® Select Dividend 30 Index Futures contracts, STOXX® Europe 50 Index Futures contracts, STOXX® Europe 600 Index Futures contracts, STOXX® Europe Large/Mid/Small 200 Index Futures contracts, EURO STOXX® Banks Sector Futures contracts, STOXX® Europe 600 Banks/Industrial Goods & Services/Insurance/Media/Personal & Household Goods/Travel & Leisure/Utilities Futures contracts, DAX® Futures contracts, MDAX® Futures contracts, TecDAX® Futures contracts, SMIM® Futures contracts, SLI Swiss Leader Index® Futures contracts, Eurex inflation/commodity/weather/property and interest rate derivatives) are currently not available for offer, sale or trading in the United States nor may they be offered, sold or traded by persons to whom US tax laws apply.

The fund shares listed in XTF Exchange Traded Funds® are admitted for trading on the Frankfurt Stock Exchange. Users of this information service who legally reside outside Germany are herewith advised that sale of the fund shares listed in XTF Exchange Traded Funds may not be permitted in their country of residence. The user makes use of the information at their own risk.

Legal validity of this disclaimer

In the event that individual parts of or formulations contained in this text are not, or are no longer, legally valid (either in whole or in part), the content and validity of the remaining parts of the document are not affected.

Trademarks

The names and designations listed under www.deutsche-boerse.com/disclaimer are registered trademarks of Deutsche Börse AG or an affiliate of Deutsche Börse Group.

The names and trademarks listed there do not represent a complete list and, as well as all other trademarks and protected rights mentioned in this publication, are subject unreservedly to the applicable trademark law in each case and are not permitted to be used without the express permission of the registered owner. The simple fact that this publication mentions them does not imply that trademarks are not protected by the rights of third parties.

Information on trademarks of Stoxx Ltd. and ISS STOXX Index GmbH are available under www.stoxx.com/trademarks.

EEX® is a registered trademark of European Energy Exchange AG.

TRADEGATE® is a registered trademark of Tradegate AG Wertpapierhandelsbank.

Flexible is better.® is a registered trademark of Axioma, Inc.

Contents

1	List of Abbreviations	4
2	Introduction	5
3	Change Log	5
3.1	T7 Release 15.0 – Version 1 (FIX LF 15.0 - C0001)	5
4	Message Formats	6
4.1	Data Types	6
5	Overview of Supported Message Types	8
6	Message Header and Trailer	9
6.1	Header	9
6.2	Trailer	12
7	Administrative Messages	13
7.1	Session Logon	14
7.2	Session Logout	16
7.3	Heartbeat	17
7.4	Test Request	18
7.5	Resend Request	19
7.6	Reject	20
7.7	Sequence Reset	21
8	Application Messages	22
8.1	User Request	23
8.2	User Response	24
8.3	User Notification	25
8.4	New Order Single	26
8.5	Order Cancel/Replace Request	33
8.6	Order Cancel Request	40
8.7	Execution Report	43
8.8	Order Mass Action Request	54
8.9	User Order Mass Action Report	58
8.10	Business Message Acknowledgment	63
8.11	Business Message Reject	64
8.12	Security Status Definition Request	66
8.13	Security Status	69
8.14	Cross Request	70
8.15	Quote Request	72
8.16	Quote	76
8.17	Trading Session Status	78
8.18	User Party Entitlements Update Report	79
8.19	User Party Action Report	81
8.20	User Party Risk Limits Update Report	84
8.21	User Party Risk Limits Request	86
8.22	User Party Risk Limits Report	88
8.23	Session Details List	90
8.24	Trade Capture Report	91
8.25	Trading Action Request	101
8.26	Trading Action Report	103
9	Occurrences	104
9.1	OrderAttributeGrp	104

9.2	Parties	105
9.3	RequestingParties	109
9.4	RootParties	110
9.5	TargetParties	111
9.6	TrdCapRptSideGrp	112
9.7	ValueChecksGrp	115

Contents

1 List of Abbreviations

Please find a list of all the abbreviations used in the document.

FIX	Financial Information eXchange
TCP/IP	Transmission Control Protocol / Internet Protocol
TES	T7 Entry Service
GUI	Graphical User Interface
EMS	Execution Management System
OMS	Order Management System

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 T7 FIX LF interface is intended for participants that require a standard FIX connection to the exchange and supports all T7 market types.

The document "T7 FIX LF 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 the FIX LF interface.

In addition to this document two corresponding XML files, the QuickFix Engine dictionary and a message reference file including message and field descriptions are published.

The FIX LF interface will make use of the FIX 4.4 version only.

3 Change Log

3.1 T7 Release 15.0 – Version 1 (FIX LF 15.0 - C0001)

Changes to the T7 Release 14.1 – Version 2:

- added messages [Trading Action Request](#) (U34), [Trading Action Report](#) (U35)
- added valid values *MIDPOINT_MBO(3)*, *MIDPOINT_CRT(4)*, *MIDPOINT_CRT_MBO(5)* to field *MidPointType* in messages [Execution Report](#) (8), [New Order Single](#) (D), [Order Cancel/Replace Request](#) (G)
- removed fields *FIXEngineName*, *FIXEngineVersion*, *FIXEngineVendor*, *ApplicationSystemName*, *ApplicationSystemVersion*, *ApplicationSystemVendor* in message [Session Logon](#) (A)
- changed usage of structure *SessionGrp* in message [Session Details List](#) (U6)
- added valid value *SPONSORED_ACCESS_TRADING_SESSION(4)* in field *SessionSubMode* in message [Session Details List](#) (U6)
- added fields *PartyIDSponsoredAccessUnit*, *PartySponsoredAccessUnit* to message [Session Details List](#) (U6)
- added valid values *User_Group_Halt_Trading(124)*, *Instrument_Restricted_by_Provider(125)*, *Risk_Monitoring_Session_Loss(126)*, *Risk_Service_Unavailable(127)*, *ORL_Level_3_Breach(128)* to field *MassActionReason* in message [User Order Mass Action Report](#) (UBZ)
- changed type of field *TargetPartyID* in structure *TargetParties* in message [Order Mass Action Request](#) (UCA)
- changed usage of structure *RequestingParties* in message [User Party Action Report](#) (UDI)
- changed usage of occurrence *requesting_executing_trader* in structure *RequestingParties* in message [User Party Action Report](#) (UDI)
- added structure *TargetParties* in messages [User Party Action Report](#) (UDI), [User Party Risk Limits Update Report](#) (UCR)
- added field *OrderDeletionInstruction* in message [User Party Action Report](#) (UDI)

- added field *RiskLimitPlatform* in messages [User Party Risk Limits Report](#) (UCM), [User Party Risk Limits Request](#) (UCL)
- changed usage of occurrence *executing_firm* in structure *Parties* in message [User Party Risk Limits Update Report](#) (UCR)

4 Message Formats

The following chapters provide details on the administrative and application messages used by FIX LF. Additionally, information on data types is provided.

The Interface version used by the participant needs to be provided during [Logon](#) in *DefaultCstmApp/VerID* (1408); the corresponding response message will return the interface version, which the FIX LF Gateway currently uses, in the same field.

The interface version will allow the participant to recognize that FIX LF has changed. The build number shows to which FIX LF XML file, and the FIX LF message reference belongs to.

4.1 Data Types

FIX LF supports the following data types:

Data Type	Description
STRING	Alphanumeric free format strings containing characters from the following set: \x20, \x23- \x25, \x28- \x2A, \x2C- \x3B, \x3F, \x41- \x5F, \x61- \x7B, \x7D, \x7E.
INT (based on STRING)	Sequence of digits without commas or decimals and optional leading sign character.
FLOAT (based on STRING)	Sequence of digits with optional decimal point and leading sign character.
CHAR (based on STRING)	Single character value, can include any alphanumeric character.
BOOLEAN (based on CHAR)	Char field containing either 'Y' or 'N'.
MULTIPLEVALUESSTRING (based on STRING)	String containing one or more space delimited char fields.
LOCALMKTDATE (based on STRING)	Date of Local Market in YYYYMMDD format.
CURRENCY (based on STRING)	ISO currency code (3 characters).
LENGTH (based on INT)	Length of the FIX LF message in bytes. Value must be positive.
SEQNUM (based on INT)	Message sequence number. Value must be positive.
NUMINGROUP (based on INT)	Number of entries in a repeating group. Value must be positive.

Data Type	Description
QTY (based on FLOAT)	FLOAT (15.4) field with 15 digits before decimal point and at most 4 significant decimal places.
PRICE (based on FLOAT)	FLOAT (11.8) field representing a price with 11 digits before decimal point and at most 8 significant decimal places.
AMT (based on FLOAT)	FLOAT (11.8) field representing a prices times a quantity with 11 digits before decimal point and at most 8 significant decimal places.
UTCTIMESTAMP (based on STRING)	Time/date combination in YYYYMMDD-HH:MM:SS[.ssssssss] format. The milli/micro/nanosecond part is optional. The FIX LF gateway provides timestamps in seconds only.
PERCENTAGE (based on FLOAT)	FLOAT (3.7) field representing a percentage with 3 digits before decimal point and at most 7 significant decimal places.

5 Overview of Supported Message Types

The following message formats are based on:

- Interface Version: 15.0
- Build Number: 150.520.1.ga-150005020-63

6 Message Header and Trailer

6.1 Header

Tag	Field Name	Req'd	Data Type	Description						
8	BeginString	Y	STRING	Identifies beginning of new message and protocol version. <table><tr><td>Value</td><td>Description</td></tr><tr><td>FIX.4.4</td><td>VERSION 44</td></tr></table>	Value	Description	FIX.4.4	VERSION 44		
Value	Description									
FIX.4.4	VERSION 44									
9	BodyLength	Y	LENGTH	Message length, in bytes, forward to the Check-Sum field.						
35	MsgType	Y	STRING (1-4)	Defines the message type. Valid values are listed after this table.						
34	MsgSeqNum	Y	SEQNUM	Message sequence number						
43	PossDupFlag	N	BOOLEAN	Indicates possible retransmission of message with this sequence number. The valid value 'Y' can only be set by FIX LF. <table><tr><td>Value</td><td>Description</td></tr><tr><td>N</td><td>Original transmission</td></tr><tr><td>Y</td><td>Possible duplicate</td></tr></table>	Value	Description	N	Original transmission	Y	Possible duplicate
Value	Description									
N	Original transmission									
Y	Possible duplicate									
49	SenderCompID	Y	STRING	Assigned identifier of the party sending the message.						
52	SendingTime	Y	UTCTIME-STAMP	Time of message transmission.						
56	TargetCompID	Y	STRING	Assigned identifier of the party receiving the message. For requests the field must be set to the XMIC code (e.g. XETR) the related FIX LF session belongs to. For responses/notification the field is set to the client's compID.						
97	PossResend	N	BOOLEAN	Indicates that message may contain information that has been sent under another sequence number. The valid value 'Y' can only be set by FIX LF. <table><tr><td>Value</td><td>Description</td></tr><tr><td>N</td><td>Original transmission</td></tr><tr><td>Y</td><td>Possible Resend</td></tr></table>	Value	Description	N	Original transmission	Y	Possible Resend
Value	Description									
N	Original transmission									
Y	Possible Resend									
122	OrigSendingTime	N	UTCTIME-STAMP	Required if PossDupFlag (43) = "Y".						

Valid Values of MsgType (datatype STRING(1-4))

Valid Value	Description
0	Heartbeat
1	Test Request
2	Resend Request
3	Reject
4	Sequence Reset
5	Logout
8	Execution Report
A	Logon
D	New Order Single Request
F	Order Cancel Request
G	Order Cancel/Replace Request
AB	New Order Multileg Request
AC	Multileg Order Cancel/Replace Request
AE	Trade Capture Report
BE	User Request
BF	User Response
UBZ	User order mass action report
UCA	User order mass action request
UCB	User Notification
UCL	User Party Risk Limits Request
UCM	User Party Risk Limits Report
U6	Session Details List
h	Trading Session Status
j	Business Message Reject
UCZ	User Party Entitlements Update Report
UDI	User Party Action Report
UCR	User Party Risk Limits Update Report
U27	Security Status Definition Request
f	Security Status
c	Security Definition Request
d	Security Definition
UDS	Cross Request
UDT	Cross Request Ack
U29	CLIP Enter Request
U30	CLIP Cancel Request
U31	CLIP Response
U28	Business Message Ack
R	Quote Request
S	Quote
U34	Trading Action Request

Deutsche Börse Group's T7 Release 15.0
FIX LF Interface
Cash Message Reference

Deutsche Börse Group

Build 150.520.1.ga-150005020-63

U35	Trading Action Report
-----	-----------------------

6.2 Trailer

Tag	Field Name	Req'd	Data Type	Description
10	Checksum	Y	INT	Three byte, simple checksum.

7 Administrative Messages

Overview of messages contained in this section:

FIX Message	MsgType
Session Logon	A
Session Logout	5
Heartbeat	0
Test Request	1
Resend Request	2
Reject	3
Sequence Reset	4

7.1 Session Logon

The Logon message allows the client to connect to the FIX Gateway. It is also used by the FIX Gateway to confirm the logon.

Tag	Field Name	Req'd	Data Type	Description												
<Header with MsgType='A' />																
98	EncryptMethod	Y	INT	Method of encryption. <table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>None/other</td></tr></table>	Value	Description	0	None/other								
Value	Description															
0	None/other															
108	HeartBtInt	Y	INT	Heartbeat interval (seconds). The value must be greater than or equal to 30.												
554	Password	N	STRING	Password. Valid charachters 0-9, A-Z, a-z, \x21, \x23, \x24, \x25, \x26, \x2A, \x2B, \x2D, \x2F, \x3D, \x40, \x5F												
141	ResetSeqNumFlag	N	BOOLEAN	Logon requests with ResetSeqNumFlag (141) set to Y will trigger a reset of Sequence numbers at the participant side only. The Sequence numbering for the messages generated from FIX Gateway will remain unchanged. <table><tr><td>Value</td><td>Description</td></tr><tr><td>N</td><td>No</td></tr><tr><td>Y</td><td>Yes, reset Sequence numbers</td></tr></table>	Value	Description	N	No	Y	Yes, reset Sequence numbers						
Value	Description															
N	No															
Y	Yes, reset Sequence numbers															
1408	DefaultCstmApplVer-ID	Y	STRING (1-30)	FIX LF version as documented in the section 5 Overview of Supported Message Types												
28763	DefaultCstmApplVer-SubID	N	STRING (1-5)	Interface subversion. Identifies interface changes within one T7 release. Response only. <table><tr><td>Value</td><td>Description</td></tr><tr><td>C0001</td><td>Cash subversion 0001</td></tr><tr><td>C0002</td><td>Cash subversion 0002</td></tr><tr><td>C0003</td><td>Cash subversion 0003</td></tr><tr><td>C0004</td><td>Cash subversion 0004</td></tr><tr><td>C0005</td><td>Cash subversion 0005</td></tr></table>	Value	Description	C0001	Cash subversion 0001	C0002	Cash subversion 0002	C0003	Cash subversion 0003	C0004	Cash subversion 0004	C0005	Cash subversion 0005
Value	Description															
C0001	Cash subversion 0001															
C0002	Cash subversion 0002															
C0003	Cash subversion 0003															
C0004	Cash subversion 0004															
C0005	Cash subversion 0005															

Tag	Field Name	Req'd	Data Type	Description
339	TradSesMode	N	INT	Trading Session Mode. Response only.
				Value Description
				1 Development
				2 Simulation
				3 Production
				4 Acceptance
				5 Disaster Recovery
1685	ThrottleInst	Y	INT	Instructs the gateway how to handle throttled transactions. Recommended value for backoffice sessions is 0.
				Value Description
				0 Reject if throttle limit exceeded
				1 Queue if throttle limit exceeded (queuing time limited)
				2 Queue if throttle limit exceeded (queuing time unlimited)
28790	ThrottleMaxQueueTime	N	INT	Maximum queuing time of requests in milliseconds. Value must be > 0, if ThrottleInst = 1, otherwise field must not be set.
<Trailer />				

7.2 Session Logout

The Logout message initiates or confirms the termination of a FIX session. It is also used by the FIX Gateway to reject the FIX session logon.

Tag	Field Name	Req'd	Data Type	Description						
<Header with MsgType='5' />										
58	Text	N	STRING (1-128)	Free format text string.						
1409	SessionStatus	N	INT	Session status. <table><tr><td>Value</td><td>Description</td></tr><tr><td>4</td><td>Session logout complete</td></tr><tr><td>5</td><td>Invalid user name or password</td></tr></table>	Value	Description	4	Session logout complete	5	Invalid user name or password
Value	Description									
4	Session logout complete									
5	Invalid user name or password									
<Trailer />										

7.3 Heartbeat

The Heartbeat message may be used by the client and the FIX Gateway to monitor the status of the communication link during periods of inactivity.

Tag	Field Name	Req'd	Data Type	Description
<Header with <i>MsgType</i> ='0' />				
112	TestReqID	N	STRING	Identifier included in Test Request message to be returned in resulting Heartbeat.
<Trailer />				

7.4 Test Request

The Test Request message is used to trigger a heartbeat message from the opposing application.

Tag	Field Name	Req'd	Data Type	Description
<Header with <i>MsgType</i> ='1' />				
112	TestReqID	Y	STRING	Identifier included in Test Request message to be returned in resulting Heartbeat.
<Trailer />				

7.5 Resend Request

The Resend Request is used by the client and the FIX Gateway to initiate the retransmission of messages in a recovery scenario.

Tag	Field Name	Req'd	Data Type	Description
<Header with MsgType='2' />				
7	BeginSeqNo	Y	SEQNUM	Message Sequence number of first message in range to be resent.
16	EndSeqNo	Y	SEQNUM	Message Sequence number of last message in range to be resent.
<Trailer />				

7.6 Reject

The Reject message is used by the FIX Gateway when a message is received but cannot be properly processed due to a session-level rule violation.

Tag	Field Name	Req'd	Data Type	Description																																										
<Header with MsgType='3' />																																														
45	RefSeqNum	Y	SEQNUM	Reference message Sequence number.																																										
58	Text	N	STRING (1-128)	Free format text string.																																										
371	RefTagID	N	INT	The tag number of the FIX field being referenced.																																										
372	RefMsgType	Y	STRING	The MsgType (35) of the FIX message being referenced.																																										
373	SessionRejectReason	N	INT	Code to identify reason for a session-level Reject message.																																										
				<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Invalid tag number</td></tr><tr><td>1</td><td>Required tag missing</td></tr><tr><td>2</td><td>Tag not defined for this message type</td></tr><tr><td>3</td><td>Undefined tag</td></tr><tr><td>4</td><td>Tag specified without value</td></tr><tr><td>5</td><td>Value is incorrect for this tag</td></tr><tr><td>6</td><td>Incorrect data format for value</td></tr><tr><td>7</td><td>Decryption problem</td></tr><tr><td>8</td><td>Signature problem</td></tr><tr><td>9</td><td>CompID Problem</td></tr><tr><td>10</td><td>Sending time accuracy problem</td></tr><tr><td>11</td><td>Invalid msgtype</td></tr><tr><td>12</td><td>XML Validation Error</td></tr><tr><td>13</td><td>Tag appears more than once</td></tr><tr><td>14</td><td>Tag specified out of required order</td></tr><tr><td>15</td><td>Repeating group fields out of order</td></tr><tr><td>16</td><td>Incorrect NumInGroup count for repeating group</td></tr><tr><td>17</td><td>Non 'data' value includes field delimiter</td></tr><tr><td>18</td><td>Invalid/Unsupported Application Version</td></tr><tr><td>99</td><td>Other</td></tr></table>	Value	Description	0	Invalid tag number	1	Required tag missing	2	Tag not defined for this message type	3	Undefined tag	4	Tag specified without value	5	Value is incorrect for this tag	6	Incorrect data format for value	7	Decryption problem	8	Signature problem	9	CompID Problem	10	Sending time accuracy problem	11	Invalid msgtype	12	XML Validation Error	13	Tag appears more than once	14	Tag specified out of required order	15	Repeating group fields out of order	16	Incorrect NumInGroup count for repeating group	17	Non 'data' value includes field delimiter	18	Invalid/Unsupported Application Version	99	Other
				Value	Description																																									
				0	Invalid tag number																																									
				1	Required tag missing																																									
				2	Tag not defined for this message type																																									
				3	Undefined tag																																									
				4	Tag specified without value																																									
				5	Value is incorrect for this tag																																									
				6	Incorrect data format for value																																									
				7	Decryption problem																																									
				8	Signature problem																																									
				9	CompID Problem																																									
				10	Sending time accuracy problem																																									
				11	Invalid msgtype																																									
				12	XML Validation Error																																									
				13	Tag appears more than once																																									
				14	Tag specified out of required order																																									
				15	Repeating group fields out of order																																									
				16	Incorrect NumInGroup count for repeating group																																									
17	Non 'data' value includes field delimiter																																													
18	Invalid/Unsupported Application Version																																													
99	Other																																													
25023	ReturnCode	N	INT	Return code.																																										
<Trailer />																																														

7.7 Sequence Reset

The Sequence Reset message has two modes: Gap Fill mode is used in response to a Resend Request when one or more messages must be skipped over. Reset mode specifies an arbitrarily higher new Sequence number after an uncoverable application failure.

Tag	Field Name	Req'd	Data Type	Description	
<Header with MsgType='4' />					
123	GapFillFlag	N	BOOLEAN	Indicates that the Sequence Reset message is replacing administrative or application messages which will not be resent.	
				Value	Description
				N	Sequence Reset, Ignore Msg Seq Num
				Y	Gap Fill Message, Msg Seq Num Field Valid
36	NewSeqNo	Y	SEQNUM	New Sequence number.	
<Trailer />					

8 Application Messages

Overview of messages contained in this section:

FIX Message	MsgType
User Request	BE
User Response	BF
User Notification	UCB
New Order Single	D
Order Cancel/Replace Request	G
Order Cancel Request	F
Execution Report	8
Order Mass Action Request	UCA
User Order Mass Action Report	UBZ
Business Message Acknowledgment	U28
Business Message Reject	j
Security Status Definition Request	U27
Security Status	f
Cross Request	UDS
Quote Request	R
Quote	S
Trading Session Status	h
User Party Entitlements Update Report	UCZ
User Party Action Report	UDI
User Party Risk Limits Update Report	UCR
User Party Risk Limits Request	UCL
User Party Risk Limits Report	UCM
Session Details List	U6
Trade Capture Report	AE
Trading Action Request	U34
Trading Action Report	U35

8.1 User Request

Each trader needs to logon/logoff to/from T7 via the User Request message.

Tag	Field Name	Req'd	Data Type	Description						
<Header with MsgType='BE' />										
553	Username	Y	INT	User ID						
554	Password	N	STRING	Password. Valid charachters 0-9, A-Z, a-z, \x21, \x23, \x24, \x25, \x26, \x2A, \x2B, \x2D, \x2F, \x3D, \x40, \x5F						
923	UserRequestID	Y	STRING (1-20)	Unique identifier for a User Request.						
924	UserRequestType	Y	INT	Indicates the action required by a User Request Message. <table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Log on user</td></tr><tr><td>2</td><td>Log off user</td></tr></table>	Value	Description	1	Log on user	2	Log off user
Value	Description									
1	Log on user									
2	Log off user									
<Trailer />										

8.2 User Response

The User Response message is used to confirm the trader logon/logoff.

Tag	Field Name	Req'd	Data Type	Description						
<Header with MsgType='BF' />										
553	Username	Y	INT	User ID						
923	UserRequestID	Y	STRING (1-20)	Unique identifier for a User Request.						
926	UserStatus	Y	INT	Indicates the status of a user. <table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Logged in</td></tr><tr><td>2</td><td>Not logged in</td></tr></table>	Value	Description	1	Logged in	2	Not logged in
Value	Description									
1	Logged in									
2	Not logged in									
<Trailer />										

8.3 User Notification

The User Notification message is used to send information of an unsolicited trader logoff or send information of legal notifications.

Tag	Field Name	Req'd	Data Type	Description	
<Header with MsgType='UCB' />					
<UsernameGrp>, cardinality: unrestricted, record counter: NoUsernames (809)					
553	>Username	N	INT	User ID	
</UsernameGrp>					
58	Text	N	STRING (1-128)	Free format text string.	
926	UserStatus	Y	INT	Indicates the status of a user.	
				Value	Description
				7	Forced user logout by exchange
				10	User stopped
				11	User released
<Trailer />					

8.4 New Order Single

The New Order Single message is used by the client to submit an order for single leg securities.

Tag	Field Name	Req'd	Data Type	Description	
<Header with MsgType='D' />					
<Parties>, cardinality: 1-6, record counter: NoPartyIDs (453), containing occurrences: client_id, entering_trader*, execution_identifier_human, execution_identifier_algo, investment_identifier_human, investment_identifier_algo					
448	>PartyID	Y	STRING (1-35)	Party identifier/code.	
447	>PartyIDSource	Y	CHAR	Identifies class or source of the PartyID (448) value. Required if PartyID is specified.	
				Value	Description
				D	Proprietary custom code
				P	Short code identifier
452	>PartyRole	Y	INT	Party Role.	
				Value	Description
				3	Client ID
				12	Executing trader
				36	Entering trader
2376	>PartyRoleQualifier	N	INT	Indicates the nature of value submitted in the field PartyID (448). PartyRoleQualifier (2376) = 21 (Specialist) and 22 (Algorithm) are only possible together with PartyIDSource (447) = 'D'. PartyRoleQualifier (2376) = 24 (Natural person) is only possible together with PartyIDSource (447) = 'P'. PartyRoleQualifier (2376) = 21 (Specialist) is not allowed in request messages.	
				Value	Description
				21	Specialist
				22	Algorithm
				24	Natural person
802	>NoPartySubIDs	N	INT	Number of PartySubIDs. Only one entry. Only in combination with PartyRole (452) = 7 (Entering firm), 12 (Executing trader) and 36 (Entering trader) possible.	
523	>PartySubID	N	STRING (1-6)	Firm or Trader Short Name, depending on the value of field PartySubIDType(803).	

Tag	Field Name	Req'd	Data Type	Description	
803	>PartySubIDType	N	INT	Type of PartySubID.	
				Value	Description
				1	Firm
				2	Person
</Parties>					
<Instrument>		Y			
55	Symbol	Y	STRING (1-10)	T7 product identifier. Cash only: Field must be set to '[N/A]' in FIX requests where the ISIN is used as instrument identifier.	
48	SecurityID	N	INT(20)	T7 instrument identifier.	
22	SecurityIDSource	N	STRING (1)	Source of the securityID	
				Value	Description
				M	Marketplace-assigned identifier
<SecurityAltIDGrp>, cardinality: 0-1, record counter: NoSecurityAltID (454)					
455	>SecurityAltID	Y	STRING (12)	Security identifier as ISIN	
456	>SecurityAltIDSource	Y	STRING (1)	Source of the SecurityAltID (455). Only ISIN is allowed.	
				Value	Description
				4	ISIN
</SecurityAltIDGrp>					
223	CouponRate	N	PERCENTAGE	The rate of interest that, when multiplied by the principal, par value, or face value of a bond, provides the currency amount of the periodic interest payment. The coupon is always cited, along with maturity, in any quotation of a bond's price.	
28890	DeliveryType	N	INT	Identifies type of settlement.	
				Value	Description
				1	Auslandskassenverein (AKV)
				2	Girosammelverwahrung (GS)
				3	Streifbandverwahrung (STR)
				4	Wertpapierrechnung (WPR)
5	Non-collective safe custody securities to be settled via T2S (AKT)				

Tag	Field Name	Req'd	Data Type	Description	
28896	LastCouponDeviation-Indicator	N	INT	Last coupon deviation indicator.	
				Value	Description
				0	None
				1	Short period
				2	Long period
				3	Only one coupon
				4	Short - two interest payments due
				5	Long - two interest payments due
				6	Perpetual
28897	RefinancingEligibility-Indicator	N	INT	Ability of a security to be accepted for refinancing.	
				Value	Description
				0	No
				1	Yes
</Instrument>					
<TrdgSesGrp>, cardinality: 0 - 1, record counter: NoTradingSessions (386)					
336	>TradingSessionID	Y	INT	Identifier for trading session.	
				Value	Description
				1	Day
625	>TradingSessionSub-ID	Y	INT	This field marks orders for a special trading phase.	
				Value	Description
				2	Opening auction
				4	Closing auction
				6	Scheduled intraday auction only
				8	Auction only
				105	Special auction
				106	Main Trading Hours
				107	Auction Volume Discovery Opening Auction
				108	Auction Volume Discovery Intraday Auction
				109	Auction Volume Discovery Closing Auction
</TrdgSesGrp>					
<PegInstructions>		N			

Tag	Field Name	Req'd	Data Type	Description						
211	PegOffsetValue	N	PRICE	Amount (signed) added to the peg for a pegged order in the context of the PegOffsetType (836).						
836	PegOffsetType	N	INT	Type of Peg Offset value. <table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>Price</td></tr><tr><td>4</td><td>Percentage</td></tr></table>	Value	Description	0	Price	4	Percentage
Value	Description									
0	Price									
4	Percentage									
</PegInstructions>										
<MtchgInst>, cardinality: 0-1, record counter: NoMatchInst (1624)										
1625	>MatchInst	Y	INT	Matching Instruction for the order. <table><tr><td>Value</td><td>Description</td></tr><tr><td>2</td><td>Do not match</td></tr></table>	Value	Description	2	Do not match		
Value	Description									
2	Do not match									
28744	>MatchInstCrossID	Y	INT(10)	Numeric identifier. Contains the Self Match Prevention ID.						
</MtchgInst>										
<DisplayInstruction>		N								
1138	DisplayQty	N	QTY	This field provides the display quantity. For iceberg order entry or modify with DisplayMethod						
1084	DisplayMethod	N	CHAR	Defines if the value of the peak quantity after a refresh will be determined absolutely (using the initial value of the DisplayQty (1138)) or randomly (using a random value between DisplayLowQty (1085) and DisplayHighQty (1086)). <table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Initial</td></tr><tr><td>3</td><td>Random</td></tr></table>	Value	Description	1	Initial	3	Random
Value	Description									
1	Initial									
3	Random									
1085	DisplayLowQty	N	QTY	Defines the lower quantity limit to a randomized refresh of displayed quantity. DisplayLowQty must be less than or equal to DisplayHighQty (1086). Required if DisplayMethod (1084) = "3".						
1086	DisplayHighQty	N	QTY	Defines the upper quantity limit to a randomized refresh of displayed quantity. Required if DisplayMethod (1084) = "3".						
</DisplayInstruction>										
<OrderAttributeGrp>, cardinality: 0-1, record counter: NoOrderAttributes (2593), containing occurrences: liquidity_provision_activity_order										

Tag	Field Name	Req'd	Data Type	Description	
2594	>OrderAttributeType	N	INT	Type of order attribute.	
				Value	Description
				2	Liquidity Provision Activity Order
2595	>OrderAttributeValue	N	CHAR	Value associated with the order attribute type specified in OrderAttributeType (2594).	
				Value	Description
				Y	Attribute is set.
</OrderAttributeGrp>					
<ValueChecksGrp>, cardinality: 3, record counter: NoValueChecks (1868), containing occurrences: price_check*, notional_value_check*, quantity_check*					
1869	>ValueCheckType	Y	INT	Type of value to be checked.	
				Value	Description
				1	Price check
				2	Notional value check
				3	Quantity check
1870	>ValueCheckAction	Y	INT	Action to be taken for the ValueCheckType (1869). ValueCheckAction (1870) = '2' (Best effort) is only possible, if ValueCheckType (1869) = '1' (Price check).	
				Value	Description
				0	Do not check
				1	Check
</ValueChecksGrp>					
11	ClOrdID	Y	STRING (1-20)	Unique customer defined order request identifier	
15	Currency	N	CURRENCY	Currency used for price. The combination of an ISIN with a defined currency will Identify uniquely an instrument.	
18	ExecInst	N	MULTIPLE-VALUESTRING	Instructions for order handling.	
				Value	Description
				a	Trailing Stop Peg
				6	Participate don't initiate (Book or cancel)
38	OrderQty	Y	QTY	Total Order Quantity.	
110	MinQty	N	QTY	Minimal Quantity that has to be executed in MidPoint matching.	

Tag	Field Name	Req'd	Data Type	Description	
40	OrdType	Y	CHAR	Order type.	
				Value	Description
				1	Market
				2	Limit
				3	Stop
				4	Stop limit
				P	Pegged
30388	MidPointType	N	INT	Midpoint order type.	
				Value	Description
				1	Midpoint order
				2	Midpoint sweep order
				3	Midpoint order - Book Only
				4	Midpoint order - Counterparty Resting Time Restriction
				5	Midpoint order - Book Only and Counterparty Resting Time Restriction
44	Price	N	PRICE	Limit price.	
54	Side	Y	CHAR	Side	
				Value	Description
				1	Buy
				2	Sell
25007	FreeText1	N	STRING (1-12)	First free-format text field for trader-specific or customer-related comments.	
59	TimeInForce	N	CHAR	Execution and trading restriction parameters. Will be defaulted to "0" (Day) if missing.	
				Value	Description
				0	Day
				1	Good till Cancel
				3	Immediate or Cancel
				4	Fill or Kill
				6	Good till Date
99	StopPx	N	PRICE	Stop price.	
117	QuoteID	N	INT(20)	Unique identifier for quote.	
25263	BrokerInternalization-ID	N	INT(20)	Identifier for Auction Volume Discovery Broker Internalization	
432	ExpireDate	N	LOCALMKT-DATE	Date of order expiration.	

Tag	Field Name	Req'd	Data Type	Description	
1724	OrderOrigination	N	INT	Direct market access identifier.	
				Value	Description
				5	Direct market access
				105	Sponsored access
1815	TradingCapacity	Y	INT	Trading capacity.	
				Value	Description
				1	Customer (Agency)
				5	Principal (Proprietary)
				6	Market Maker
				9	Riskless Principal
				10	Retail Customer (Agency)
				11	Retail Market Maker
31625	CrossMatchInstruction	N	INT	Indicate the instruction for SMP. Applicable only when MatchInstCrossID (28744) is set. When CrossMatchInstruction is not set the default value is defined by the exchange	
				Value	Description
				1	Cancel incoming order
				2	Cancel resting order
				3	Reduce/Cancel both incoming and resting order
25008	FreeText2	N	STRING (1-12)	Second free-format text field for trader-specific or customer-related comments.	
25107	FreeText4	N	STRING (1-16)	Forth free-format text field for trader-specific or customer related comments.	
30625	TradeAtCloseOptIn	N	BOOLEAN	Indicates whether this order is eligible for Trade at Close match.	
				Value	Description
				N	Not eligible for Trade at Close match
				Y	Eligible for Trade at Close match
<Trailer />					

8.5 Order Cancel/Replace Request

The Order Cancel/Replace Request is used to modify an existing order.

Tag	Field Name	Req'd	Data Type	Description	
<Header with MsgType='G' />					
<Parties>, cardinality: 1-6, record counter: NoPartyIDs (453), containing occurrences: client_id, entering_trader*, execution_identifier_human, execution_identifier_algo, investment_identifier_human, investment_identifier_algo					
448	>PartyID	Y	STRING (1-35)	Party identifier/code.	
447	>PartyIDSource	Y	CHAR	Identifies class or source of the PartyID (448) value. Required if PartyID is specified.	
				Value	Description
				D	Proprietary custom code
				P	Short code identifier
452	>PartyRole	Y	INT	Party Role.	
				Value	Description
				3	Client ID
				12	Executing trader
				36	Entering trader
2376	>PartyRoleQualifier	N	INT	Indicates the nature of value submitted in the field PartyID (448). PartyRoleQualifier (2376) = 21 (Specialist) and 22 (Algorithm) are only possible together with PartyIDSource (447) = 'D'. PartyRoleQualifier (2376) = 24 (Natural person) is only possible together with PartyIDSource (447) = 'P'. PartyRoleQualifier (2376) = 21 (Specialist) is not allowed in request messages.	
				Value	Description
				21	Specialist
				22	Algorithm
				24	Natural person
802	>NoPartySubIDs	N	INT	Number of PartySubIDs. Only one entry. Only in combination with PartyRole (452) = 7 (Entering firm), 12 (Executing trader) and 36 (Entering trader) possible.	
523	>PartySubID	N	STRING (1-6)	Firm or Trader Short Name, depending on the value of field PartySubIDType(803).	

Tag	Field Name	Req'd	Data Type	Description	
803	>PartySubIDType	N	INT	Type of PartySubID.	
				Value	Description
				1	Firm
				2	Person
</Parties>					
<Instrument>		Y			
55	Symbol	Y	STRING (1-10)	T7 product identifier. Cash only: Field must be set to '[N/A]' in FIX requests where the ISIN is used as instrument identifier.	
48	SecurityID	N	INT(20)	T7 instrument identifier.	
22	SecurityIDSource	N	STRING (1)	Source of the securityID	
				Value	Description
				M	Marketplace-assigned identifier
<SecurityAltIDGrp>, cardinality: 0-1, record counter: NoSecurityAltID (454)					
455	>SecurityAltID	Y	STRING (12)	Security identifier as ISIN	
456	>SecurityAltIDSource	Y	STRING (1)	Source of the SecurityAltID (455). Only ISIN is allowed.	
				Value	Description
				4	ISIN
</SecurityAltIDGrp>					
223	CouponRate	N	PERCENTAGE	The rate of interest that, when multiplied by the principal, par value, or face value of a bond, provides the currency amount of the periodic interest payment. The coupon is always cited, along with maturity, in any quotation of a bond's price.	
28890	DeliveryType	N	INT	Identifies type of settlement.	
				Value	Description
				1	Auslandskassenverein (AKV)
				2	Girosammelverwahrung (GS)
				3	Streifbandverwahrung (STR)
				4	Wertpapierrechnung (WPR)
5	Non-collective safe custody securities to be settled via T2S (AKT)				

Tag	Field Name	Req'd	Data Type	Description	
28896	LastCouponDeviation-Indicator	N	INT	Last coupon deviation indicator.	
				Value	Description
				0	None
				1	Short period
				2	Long period
				3	Only one coupon
				4	Short - two interest payments due
				5	Long - two interest payments due
				6	Perpetual
28897	RefinancingEligibility-Indicator	N	INT	Ability of a security to be accepted for refinancing.	
				Value	Description
				0	No
				1	Yes
</Instrument>					
<TrdgSesGrp>, cardinality: 0 - 1, record counter: NoTradingSessions (386)					
336	>TradingSessionID	Y	INT	Identifier for trading session.	
				Value	Description
				1	Day
625	>TradingSessionSub-ID	Y	INT	This field marks orders for a special trading phase.	
				Value	Description
				2	Opening auction
				4	Closing auction
				6	Scheduled intraday auction only
				8	Auction only
				105	Special auction
				106	Main Trading Hours
				107	Auction Volume Discovery Opening Auction
				108	Auction Volume Discovery Intraday Auction
				109	Auction Volume Discovery Closing Auction
</TrdgSesGrp>					
<PegInstructions>		N			

Tag	Field Name	Req'd	Data Type	Description						
211	PegOffsetValue	N	PRICE	Amount (signed) added to the peg for a pegged order in the context of the PegOffsetType (836).						
836	PegOffsetType	N	INT	Type of Peg Offset value. <table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>Price</td></tr><tr><td>4</td><td>Percentage</td></tr></table>	Value	Description	0	Price	4	Percentage
Value	Description									
0	Price									
4	Percentage									
</PegInstructions>										
<MtchgInst>, cardinality: 0-1, record counter: NoMatchInst (1624)										
1625	>MatchInst	Y	INT	Matching Instruction for the order. <table><tr><td>Value</td><td>Description</td></tr><tr><td>2</td><td>Do not match</td></tr></table>	Value	Description	2	Do not match		
Value	Description									
2	Do not match									
28744	>MatchInstCrossID	Y	INT(10)	Numeric identifier. Contains the Self Match Prevention ID.						
</MtchgInst>										
<DisplayInstruction>		N								
1138	DisplayQty	N	QTY	This field provides the display quantity. For iceberg order entry or modify with DisplayMethod						
1084	DisplayMethod	N	CHAR	Defines if the value of the peak quantity after a refresh will be determined absolutely (using the initial value of the DisplayQty (1138)) or randomly (using a random value between DisplayLowQty (1085) and DisplayHighQty (1086)). <table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Initial</td></tr><tr><td>3</td><td>Random</td></tr></table>	Value	Description	1	Initial	3	Random
Value	Description									
1	Initial									
3	Random									
1085	DisplayLowQty	N	QTY	Defines the lower quantity limit to a randomized refresh of displayed quantity. DisplayLowQty must be less than or equal to DisplayHighQty (1086). Required if DisplayMethod (1084) = "3".						
1086	DisplayHighQty	N	QTY	Defines the upper quantity limit to a randomized refresh of displayed quantity. Required if DisplayMethod (1084) = "3".						
</DisplayInstruction>										
<OrderAttributeGrp>, cardinality: 0-1, record counter: NoOrderAttributes (2593), containing occurrences: liquidity_provision_activity_order										

Tag	Field Name	Req'd	Data Type	Description	
2594	>OrderAttributeType	N	INT	Type of order attribute.	
				Value	Description
				2	Liquidity Provision Activity Order
2595	>OrderAttributeValue	N	CHAR	Value associated with the order attribute type specified in OrderAttributeType (2594).	
				Value	Description
				Y	Attribute is set.
</OrderAttributeGrp>					
<ValueChecksGrp>, cardinality: 1 - 3, record counter: NoValueChecks (1868)					
1869	>ValueCheckType	Y	INT	Type of value to be checked.	
				Value	Description
				1	Price check
				2	Notional value check
				3	Quantity check
1870	>ValueCheckAction	Y	INT	Action to be taken for the ValueCheckType (1869). ValueCheckAction (1870) = '2' (Best effort) is only possible, if ValueCheckType (1869) = '1' (Price check).	
				Value	Description
				0	Do not check
				1	Check
</ValueChecksGrp>					
11	ClOrdID	Y	STRING (1-20)	Unique customer defined order request identifier	
15	Currency	N	CURRENCY	Currency used for price. The combination of an ISIN with a defined currency will Identify uniquely an instrument.	
18	ExecInst	N	MULTIPLE-VALUESTRING	Instructions for order handling.	
				Value	Description
				a	Trailing Stop Peg
				6	Participate don't initiate (Book or cancel)
38	OrderQty	Y	QTY	Total Order Quantity.	
110	MinQty	N	QTY	Minimal Quantity that has to be executed in MidPoint matching.	

Tag	Field Name	Req'd	Data Type	Description	
40	OrdType	Y	CHAR	Order type.	
				Value	Description
				1	Market
				2	Limit
				3	Stop
				4	Stop limit
				P	Pegged
30388	MidPointType	N	INT	Midpoint order type.	
				Value	Description
				1	Midpoint order
				2	Midpoint sweep order
				3	Midpoint order - Book Only
				4	Midpoint order - Counterparty Resting Time Restriction
				5	Midpoint order - Book Only and Counterparty Resting Time Restriction
41	OrigClOrdID	Y	STRING (1-20)	ClOrdID (11) of the last successfully processed task (request) referring to the specific order.	
44	Price	N	PRICE	Limit price.	
54	Side	Y	CHAR	Side	
				Value	Description
				1	Buy
				2	Sell
25007	FreeText1	N	STRING (1-12)	First free-format text field for trader-specific or customer-related comments.	
59	TimeInForce	N	CHAR	Execution and trading restriction parameters. Will be defaulted to "0" (Day) if missing.	
				Value	Description
				0	Day
				1	Good till Cancel
				3	Immediate or Cancel
				4	Fill or Kill
				6	Good till Date
99	StopPx	N	PRICE	Stop price.	
25263	BrokerInternalization-ID	N	INT(20)	Identifier for Auction Volume Discovery Broker Internalization	
432	ExpireDate	N	LOCALMKT-DATE	Date of order expiration.	

Tag	Field Name	Req'd	Data Type	Description
1724	OrderOrigination	N	INT	Direct market access identifier.
				Value Description
				5 Direct market access
				105 Sponsored access
1815	TradingCapacity	Y	INT	Trading capacity.
				Value Description
				1 Customer (Agency)
				5 Principal (Proprietary)
				6 Market Maker
				9 Riskless Principal
				10 Retail Customer (Agency)
				11 Retail Market Maker
31625	CrossMatchInstruction	N	INT	Indicate the instruction for SMP. Applicable only when MatchInstCrossID (28744) is set. When CrossMatchInstruction is not set the default value is defined by the exchange
				Value Description
				1 Cancel incoming order
				2 Cancel resting order
				3 Reduce/Cancel both incoming and resting order
25008	FreeText2	N	STRING (1-12)	Second free-format text field for trader-specific or customer-related comments.
25107	FreeText4	N	STRING (1-16)	Forth free-format text field for trader-specific or customer related comments.
< Trailer />				

8.6 Order Cancel Request

The Order Cancel Request is used to delete an existing order.

Tag	Field Name	Req'd	Data Type	Description								
<Header with MsgType='F' />												
<Parties>, cardinality: 1-5, record counter: NoPartyIDs (453), containing occurrences: entering_trader*, execution_identifier_human, execution_identifier_algo, investment_identifier_human, investment_identifier_algo												
448	>PartyID	Y	STRING (1-35)	Party identifier/code.								
447	>PartyIDSource	Y	CHAR	Identifies class or source of the PartyID (448) value. Required if PartyID is specified. <table><tr><td>Value</td><td>Description</td></tr><tr><td>D</td><td>Proprietary custom code</td></tr><tr><td>P</td><td>Short code identifier</td></tr></table>	Value	Description	D	Proprietary custom code	P	Short code identifier		
Value	Description											
D	Proprietary custom code											
P	Short code identifier											
452	>PartyRole	Y	INT	Party Role. <table><tr><td>Value</td><td>Description</td></tr><tr><td>12</td><td>Executing trader</td></tr><tr><td>36</td><td>Entering trader</td></tr><tr><td>122</td><td>Investment decision maker</td></tr></table>	Value	Description	12	Executing trader	36	Entering trader	122	Investment decision maker
Value	Description											
12	Executing trader											
36	Entering trader											
122	Investment decision maker											
2376	>PartyRoleQualifier	N	INT	Indicates the nature of value submitted in the field PartyID (448). PartyRoleQualifier (2376) = 21 (Specialist) and 22 (Algorithm) are only possible together with PartyIDSource (447) = 'D'. PartyRoleQualifier (2376) = 24 (Natural person) is only possible together with PartyIDSource (447) = 'P'. PartyRoleQualifier (2376) = 21 (Specialist) is not allowed in request messages. <table><tr><td>Value</td><td>Description</td></tr><tr><td>21</td><td>Specialist</td></tr><tr><td>22</td><td>Algorithm</td></tr><tr><td>24</td><td>Natural person</td></tr></table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person
Value	Description											
21	Specialist											
22	Algorithm											
24	Natural person											
802	>NoPartySubIDs	N	INT	Number of PartySubIDs. Only one entry. Only in combination with PartyRole (452) = 7 (Entering firm), 12 (Executing trader) and 36 (Entering trader) possible.								
523	>PartySubID	N	STRING (1-6)	Firm or Trader Short Name, depending on the value of field PartySubIDType(803).								

Tag	Field Name	Req'd	Data Type	Description	
803	>PartySubIDType	N	INT	Type of PartySubID.	
				Value	Description
				1	Firm
				2	Person
</Parties>					
<Instrument>		Y			
55	Symbol	Y	STRING (1-10)	T7 product identifier. Cash only: Field must be set to '[N/A]' in FIX requests where the ISIN is used as instrument identifier.	
48	SecurityID	N	INT(20)	T7 instrument identifier.	
22	SecurityIDSource	N	STRING (1)	Source of the securityID	
				Value	Description
				M	Marketplace-assigned identifier
<SecurityAltIDGrp>, cardinality: 0-1, record counter: NoSecurityAltID (454)					
455	>SecurityAltID	Y	STRING (12)	Security identifier as ISIN	
456	>SecurityAltIDSource	Y	STRING (1)	Source of the SecurityAltID (455). Only ISIN is allowed.	
				Value	Description
				4	ISIN
</SecurityAltIDGrp>					
223	CouponRate	N	PERCENTAGE	The rate of interest that, when multiplied by the principal, par value, or face value of a bond, provides the currency amount of the periodic interest payment. The coupon is always cited, along with maturity, in any quotation of a bond's price.	
28890	DeliveryType	N	INT	Identifies type of settlement.	
				Value	Description
				1	Auslandskassenverein (AKV)
				2	Girosammelverwahrung (GS)
				3	Streifbandverwahrung (STR)
				4	Wertpapierrechnung (WPR)
5	Non-collective safe custody securities to be settled via T2S (AKT)				

Tag	Field Name	Req'd	Data Type	Description	
28896	LastCouponDeviation-Indicator	N	INT	Last coupon deviation indicator.	
				Value	Description
				0	None
				1	Short period
				2	Long period
				3	Only one coupon
				4	Short - two interest payments due
				5	Long - two interest payments due
6	Perpetual				
28897	RefinancingEligibility-Indicator	N	INT	Ability of a security to be accepted for refinancing.	
				Value	Description
				0	No
				1	Yes
</Instrument>					
15	Currency	N	CURRENCY	Currency used for price. The combination of an ISIN with a defined currency will Identify uniquely an instrument.	
11	CIOrdID	Y	STRING (1-20)	Unique customer defined order request identifier	
37	OrderID	N	INT(20)	Exchange Order ID generated by the T7 system.	
41	OrigCIOrdID	N	STRING (1-20)	CIOrdID (11) of the last successfully processed task (request) referring to the specific order.	
1724	OrderOrigination	N	INT	Direct market access identifier.	
				Value	Description
				5	Direct market access
				105	Sponsored access
<Trailer />					

8.7 Execution Report

The Execution Report message is used to confirm the receipt of an order, confirm changes to an existing order, transmit all active orders, relay fill information.

Tag	Field Name	Req'd	Data Type	Description												
<Header with MsgType='8' />																
<Parties>, cardinality: 0-5, record counter: NoPartyIDs (453), containing occurrences: entering_firm, entering_trader, executing_trader, executing_unit, session_ID																
448	>PartyID	Y	STRING (1-35)	Party identifier/code.												
447	>PartyIDSource	Y	CHAR	Identifies class or source of the PartyID (448) value. Required if PartyID is specified. <table><tr><td>Value</td><td>Description</td></tr><tr><td>D</td><td>Proprietary custom code</td></tr></table>	Value	Description	D	Proprietary custom code								
Value	Description															
D	Proprietary custom code															
452	>PartyRole	Y	INT	Party Role. <table><tr><td>Value</td><td>Description</td></tr><tr><td>7</td><td>Entering firm</td></tr><tr><td>12</td><td>Executing trader</td></tr><tr><td>36</td><td>Entering trader</td></tr><tr><td>55</td><td>Session ID</td></tr><tr><td>59</td><td>Executing unit</td></tr></table>	Value	Description	7	Entering firm	12	Executing trader	36	Entering trader	55	Session ID	59	Executing unit
Value	Description															
7	Entering firm															
12	Executing trader															
36	Entering trader															
55	Session ID															
59	Executing unit															
2376	>PartyRoleQualifier	N	INT	Indicates the nature of value submitted in the field PartyID (448). PartyRoleQualifier (2376) = 21 (Specialist) and 22 (Algorithm) are only possible together with PartyIDSource (447) = 'D'. PartyRoleQualifier (2376) = 24 (Natural person) is only possible together with PartyIDSource (447) = 'P'. PartyRoleQualifier (2376) = 21 (Specialist) is not allowed in request messages. <table><tr><td>Value</td><td>Description</td></tr><tr><td>21</td><td>Specialist</td></tr><tr><td>22</td><td>Algorithm</td></tr><tr><td>24</td><td>Natural person</td></tr></table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person				
Value	Description															
21	Specialist															
22	Algorithm															
24	Natural person															
802	>NoPartySubIDs	N	INT	Number of PartySubIDs. Only one entry. Only in combination with PartyRole (452) = 7 (Entering firm), 12 (Executing trader) and 36 (Entering trader) possible.												
523	>PartySubID	N	STRING (1-6)	Firm or Trader Short Name, depending on the value of field PartySubIDType(803).												

Tag	Field Name	Req'd	Data Type	Description	
803	>PartySubIDType	N	INT	Type of PartySubID.	
				Value	Description
				1	Firm
				2	Person
</Parties>					
<Instrument>		Y			
55	Symbol	Y	STRING (1-10)	T7 product identifier. Cash only: Field must be set to '[N/A]' in FIX requests where the ISIN is used as instrument identifier.	
48	SecurityID	N	INT(20)	T7 instrument identifier.	
22	SecurityIDSource	N	STRING (1)	Source of the securityID	
				Value	Description
				M	Marketplace-assigned identifier
<SecurityAltIDGrp>, cardinality: 0-1, record counter: NoSecurityAltID (454)					
455	>SecurityAltID	Y	STRING (12)	Security identifier as ISIN	
456	>SecurityAltIDSource	Y	STRING (1)	Source of the SecurityAltID (455). Only ISIN is allowed.	
				Value	Description
				4	ISIN
</SecurityAltIDGrp>					
223	CouponRate	N	PERCENTAGE	The rate of interest that, when multiplied by the principal, par value, or face value of a bond, provides the currency amount of the periodic interest payment. The coupon is always cited, along with maturity, in any quotation of a bond's price.	
28890	DeliveryType	N	INT	Identifies type of settlement.	
				Value	Description
				1	Auslandskassenverein (AKV)
				2	Girosammelverwahrung (GS)
				3	Streifbandverwahrung (STR)
				4	Wertpapierrechnung (WPR)
5	Non-collective safe custody securities to be settled via T2S (AKT)				

Tag	Field Name	Req'd	Data Type	Description	
28896	LastCouponDeviation-Indicator	N	INT	Last coupon deviation indicator.	
				Value	Description
				0	None
				1	Short period
				2	Long period
				3	Only one coupon
				4	Short - two interest payments due
				5	Long - two interest payments due
6	Perpetual				
28897	RefinancingEligibility-Indicator	N	INT	Ability of a security to be accepted for refinancing.	
				Value	Description
				0	No
				1	Yes
</Instrument>					
<PegInstructions>		N			
211	PegOffsetValue	N	PRICE	Amount (signed) added to the peg for a pegged order in the context of the PegOffsetType (836).	
836	PegOffsetType	N	INT	Type of Peg Offset value.	
				Value	Description
				0	Price
				4	Percentage
</PegInstructions>					
<Mtchglnst>, cardinality: 0-1, record counter: NoMatchInst (1624)					
1625	>MatchInst	Y	INT	Matching Instruction for the order.	
				Value	Description
				2	Do not match
28744	>MatchInstCrossID	Y	INT(10)	Numeric identifier. Contains the Self Match Prevention ID.	
</Mtchglnst>					
<DisplayInstruction>		N			
1138	DisplayQty	N	QTY	This field provides the display quantity. For iceberg order entry or modify with DisplayMethod	

Tag	Field Name	Req'd	Data Type	Description								
1084	DisplayMethod	N	CHAR	Defines if the value of the peak quantity after a refresh will be determined absolutely (using the initial value of the DisplayQty (1138)) or randomly (using a random value between DisplayLowQty (1085) and DisplayHighQty (1086)). <table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Initial</td></tr><tr><td>3</td><td>Random</td></tr></table>	Value	Description	1	Initial	3	Random		
Value	Description											
1	Initial											
3	Random											
1085	DisplayLowQty	N	QTY	Defines the lower quantity limit to a randomized refresh of displayed quantity. DisplayLowQty must be less than or equal to DisplayHighQty (1086). Required if DisplayMethod (1084) = "3".								
1086	DisplayHighQty	N	QTY	Defines the upper quantity limit to a randomized refresh of displayed quantity. Required if DisplayMethod (1084) = "3".								
</DisplayInstruction>												
<OrderEventGrp>, cardinality: 0-1, record counter: NoOrderEvents (1795)												
1796	>OrderEventType	N	INT	Information about the status of pending transactions after locked stock (T7 Deutsche Boerse Frankfurt). <table><tr><th>Value</th><th>Description</th></tr><tr><td>100</td><td>Status after locked Stock - Pending requests discarded</td></tr><tr><td>101</td><td>Status after locked Stock - Pending request executed</td></tr><tr><td>102</td><td>Status after locked Stock - Pending request rejected</td></tr></table>	Value	Description	100	Status after locked Stock - Pending requests discarded	101	Status after locked Stock - Pending request executed	102	Status after locked Stock - Pending request rejected
Value	Description											
100	Status after locked Stock - Pending requests discarded											
101	Status after locked Stock - Pending request executed											
102	Status after locked Stock - Pending request rejected											
</OrderEventGrp>												
11	ClOrdID	N	STRING (1-20)	Unique customer defined order request identifier								
15	Currency	N	CURRENCY	Currency used for price. The combination of an ISIN with a defined currency will Identify uniquely an instrument.								
14	CumQty	Y	QTY	Cumulated executed quantity.								
17	ExecID	Y	STRING (80)	The field provides a unique identifier and can be used for the identification of duplicate order messages.								

Tag	Field Name	Req'd	Data Type	Description	
18	ExecInst	N	MULTIPLE-VALUESTRING	Instructions for order handling.	
				Value	Description
				H	Reinstate on trading system failure (persistent)
				Q	Cancel on trading system failure (non-persistent)
				a	Trailing Stop Peg
				6	Participate don't initiate (Book or cancel)
31	LastPx	N	PRICE	Price level.	
32	LastQty	N	QTY	Quantity executed in a fill or deleted in a SMP match	
37	OrderID	Y	INT(20)	Exchange Order ID generated by the T7 system.	
38	OrderQty	Y	QTY	Total Order Quantity.	
110	MinQty	N	QTY	Minimal Quantity that has to be executed in MidPoint matching.	
39	OrdStatus	Y	CHAR	Identifies current status of order.	
				Value	Description
				0	New
				1	Partially filled
				2	Filled
				4	Canceled
				6	Pending cancel
				8	Rejected
				9	Suspended
				A	Pending new
E	Pending replace				
40	OrdType	N	CHAR	Order type.	
				Value	Description
				1	Market
				2	Limit
				3	Stop
				4	Stop limit
P	Pegged				

Tag	Field Name	Req'd	Data Type	Description	
30388	MidPointType	N	INT	Midpoint order type.	
				Value	Description
				1	Midpoint order
				2	Midpoint sweep order
				3	Midpoint order - Book Only
				4	Midpoint order - Counterparty Resting Time Restriction
				5	Midpoint order - Book Only and Counterparty Resting Time Restriction
41	OrigClOrdID	N	STRING (1-20)	ClOrdID (11) of the last successfully processed task (request) referring to the specific order.	
44	Price	N	PRICE	Limit price.	
54	Side	Y	CHAR	Side of order.	
				Value	Description
				1	Buy
				2	Sell
25007	FreeText1	N	STRING (1-12)	First free-format text field for trader-specific or customer-related comments.	
59	TimeInForce	N	CHAR	Execution and trading restriction parameters. Will be defaulted to "0" (Day) if missing.	
				Value	Description
				0	Day
				1	Good till Cancel
				3	Immediate or Cancel
				4	Fill or Kill
				6	Good till Date
99	StopPx	N	PRICE	Stop price.	

Tag	Field Name	Req'd	Data Type	Description																								
150	ExecType	Y	CHAR	Describes the specific ExecutionRpt while Ord-Status (39) will always identify the current order status. <table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>New</td></tr><tr><td>4</td><td>Canceled</td></tr><tr><td>5</td><td>Replace</td></tr><tr><td>6</td><td>Pending cancel</td></tr><tr><td>8</td><td>Rejected</td></tr><tr><td>9</td><td>Suspended</td></tr><tr><td>A</td><td>Pending new</td></tr><tr><td>D</td><td>Restated</td></tr><tr><td>E</td><td>Pending replace</td></tr><tr><td>F</td><td>Trade</td></tr><tr><td>L</td><td>Triggered by system</td></tr></table>	Value	Description	0	New	4	Canceled	5	Replace	6	Pending cancel	8	Rejected	9	Suspended	A	Pending new	D	Restated	E	Pending replace	F	Trade	L	Triggered by system
Value	Description																											
0	New																											
4	Canceled																											
5	Replace																											
6	Pending cancel																											
8	Rejected																											
9	Suspended																											
A	Pending new																											
D	Restated																											
E	Pending replace																											
F	Trade																											
L	Triggered by system																											
151	LeavesQty	Y	QTY	Quantity open for further execution. If the Ord-Status (39) is Canceled, Expired, Calculated, or Rejected (in which case the order is no longer active) then LeavesQty could be 0, otherwise LeavesQty = OrderQty (38) - CumQty (14).																								
25263	BrokerInternalization-ID	N	INT(20)	Identifier for Auction Volume Discovery Broker Internalization																								
336	TradingSessionID	N	INT	Identifier for trading session. <table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Day</td></tr></table>	Value	Description	1	Day																				
Value	Description																											
1	Day																											
378	ExecRestatement-Reason	N	INT	Code to identify reason for an Execution Report message sent with ExecType=Restated or used when communicating an unsolicited cancel. Valid values are listed after this table.																								
432	ExpireDate	N	LOCALMKT-DATE	Date of order expiration.																								
527	SecondaryExecID	N	INT(10)	Assigned by the party which accepts the order. Can be used to provide the ExecID used by an exchange or executing system.																								

Tag	Field Name	Req'd	Data Type	Description	
574	MatchType	N	INT	The point in the matching process at which this trade was matched.	
				Value	Description
				4	Auto Match Incoming
				5	Cross Auction
				7	Call Auction
				11	Auto Match Resting
				12	Auto match at midpoint
				14	Continuous Auction
				16	Broker Internalized Auction Volume Discovery
				17	Auction Volume Discovery
625	TradingSessionSubID	N	INT	This field marks orders for a special trading phase.	
				Value	Description
				2	Opening auction
				4	Closing auction
				6	Scheduled intraday auction only
				8	Auction only
				105	Special auction
				106	Main Trading Hours
				107	Auction Volume Discovery Opening Auction
				108	Auction Volume Discovery Intraday Auction
851	LastLiquidityInd	N	INT	Indicator to identify whether this fill was a result of a liquidity provider providing or liquidity taker taking the liquidity. Applicable only for Ord-Status of Partial or Filled.	
				Value	Description
				1	Add Liquidity
				2	Removed Liquidity
				4	Auction (neither passive nor aggressive)
				5	Triggered Stop Order
				6	Triggered One-cancels-the-other Order
				7	Triggered Market Order

Tag	Field Name	Req'd	Data Type	Description																
880	TrdMatchID	N	INT(10)	Identifier assigned to a trade by a matching system.																
1080	RefOrderID	N	INT(20)	Reference to a private quote. This field will be always delivered together with the field RefOrderIDSource (1081).																
1081	RefOrderIDSource	N	CHAR	Identifier related to the value delivered in the field RefOrderID (1080). Required if the ExecutionReport (8) contains a reference to a private quote (field RefOrderID (1080)). <table><tr><td>Value</td><td>Description</td></tr><tr><td>5</td><td>QuoteID (117)</td></tr></table>	Value	Description	5	QuoteID (117)												
Value	Description																			
5	QuoteID (117)																			
1815	TradingCapacity	N	INT	Trading capacity. <table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Customer (Agency)</td></tr><tr><td>3</td><td>Issuer/Liquidity Provider</td></tr><tr><td>5</td><td>Principal (Proprietary)</td></tr><tr><td>6</td><td>Market Maker</td></tr><tr><td>9</td><td>Riskless Principal</td></tr><tr><td>10</td><td>Retail Customer (Agency)</td></tr><tr><td>11</td><td>Retail Market Maker</td></tr></table>	Value	Description	1	Customer (Agency)	3	Issuer/Liquidity Provider	5	Principal (Proprietary)	6	Market Maker	9	Riskless Principal	10	Retail Customer (Agency)	11	Retail Market Maker
Value	Description																			
1	Customer (Agency)																			
3	Issuer/Liquidity Provider																			
5	Principal (Proprietary)																			
6	Market Maker																			
9	Riskless Principal																			
10	Retail Customer (Agency)																			
11	Retail Market Maker																			
2523	CrossedIndicator	N	INT	Indicator will be delivered in case of deletion or modification due to Self Match Prevention. <table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Cross rejected</td></tr></table>	Value	Description	1	Cross rejected												
Value	Description																			
1	Cross rejected																			
1823	Triggered	N	INT	Indicates if an order has been previously triggered. <table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>Not triggered (Default)</td></tr><tr><td>1</td><td>Triggered</td></tr></table>	Value	Description	0	Not triggered (Default)	1	Triggered										
Value	Description																			
0	Not triggered (Default)																			
1	Triggered																			
25245	BBOSetting	N	INT	Indicator for BBO setting <table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Yes</td></tr></table>	Value	Description	1	Yes												
Value	Description																			
1	Yes																			
25008	FreeText2	N	STRING (1-12)	Second free-format text field for trader-specific or customer-related comments.																
25107	FreeText4	N	STRING (1-16)	Forth free-format text field for trader-specific or customer related comments.																

Tag	Field Name	Req'd	Data Type	Description						
30060	UTransactTime	N	INT(20)	Transaction timestamp. Number of nanoseconds since Jan 1, 1970.						
25108	OrderIDSfx	N	INT(10)	Order identification suffix generated by the T7 system. An increase of the peak or overall quantity leads to a new timestamp, losing time priority and the assignment of a new order id suffix, whereas a reduction maintains the original timestamp and order id suffix.						
30625	TradeAtCloseOptIn	N	BOOLEAN	Indicates whether this order is eligible for Trade at Close match. <table><tr><th>Value</th><th>Description</th></tr><tr><td>N</td><td>Not eligible for Trade at Close match</td></tr><tr><td>Y</td><td>Eligible for Trade at Close match</td></tr></table>	Value	Description	N	Not eligible for Trade at Close match	Y	Eligible for Trade at Close match
Value	Description									
N	Not eligible for Trade at Close match									
Y	Eligible for Trade at Close match									

<Trailer />

Valid Values of ExecRestatementReason (datatype INT)

Valid Value	Description
0	GT corporate action
1	GT renewal / restatement (no corporate action, order book restatement)
8	Exchange Option
100	Unknown Order State
101	Order Added
102	Order Replaced
103	Order Canceled
105	Immediate or Cancel Order Canceled
107	FOK Order canceled
108	Book Order executed
114	Order has been changed to IOC
122	Instrument State Change
138	Pending New
139	Pending Replace
141	Pending New Applied
142	Pending Replace Applied
146	End of Day Processing
148	Order Expiration Intraday
149	Closing Auction Only Order Activated
150	Closing Auction Only Order Inactivated
151	OA Order activated
152	OA Order inactivated
153	AAO Order activated

154	AAO Order inactivated
155	Order Refreshed
159	Intraday Auction Order has been activated
160	Intraday Auction Order has been inactivated
164	One-cancels-the-other Order Triggered
172	Stop Order Triggered
181	Ownership Changed
197	Order Cancellation Pending
199	Pending Cancellation Applied
205	Midpoint Sweep order changed to regular order
212	Book Or Cancel Order Canceled
213	Trailing Stop Update
231	Invalid SMP Instruction ID
237	Exceeds maximum quantity
238	Invalid Limit Price
241	User does not exist
242	Session does not exist
243	Invalid Stop Price
245	Instrument does not exist
246	Business Unit Risk Event
261	Panic Cancel
292	Dividend Payment
294	Last Trading Day
295	Trading Parameter Change
296	Currency Change
297	Product Assignment Change / Special Event
298	Reference Price Change
300	Tick Rule Change
316	Quote Request Solution Order Expiry

8.8 Order Mass Action Request

The UserOrderMassActionRequest (UCA) will allow the deletion of multiple orders based on different filter criteria.

Tag	Field Name	Req'd	Data Type	Description								
<Header with MsgType='UCA' />												
<Parties>, cardinality: 1-5, record counter: NoPartyIDs (453), containing occurrences: entering_trader*, execution_identifier_human, execution_identifier_algo, investment_identifier_human, investment_identifier_algo												
448	>PartyID	Y	STRING (1-35)	Party identifier/code.								
447	>PartyIDSource	Y	CHAR	Identifies class or source of the PartyID (448) value. Required if PartyID is specified. <table><tr><td>Value</td><td>Description</td></tr><tr><td>D</td><td>Proprietary custom code</td></tr><tr><td>P</td><td>Short code identifier</td></tr></table>	Value	Description	D	Proprietary custom code	P	Short code identifier		
Value	Description											
D	Proprietary custom code											
P	Short code identifier											
452	>PartyRole	Y	INT	Party Role. <table><tr><td>Value</td><td>Description</td></tr><tr><td>12</td><td>Executing trader</td></tr><tr><td>36</td><td>Entering trader</td></tr><tr><td>122</td><td>Investment decision maker</td></tr></table>	Value	Description	12	Executing trader	36	Entering trader	122	Investment decision maker
Value	Description											
12	Executing trader											
36	Entering trader											
122	Investment decision maker											
2376	>PartyRoleQualifier	N	INT	Indicates the nature of value submitted in the field PartyID (448). PartyRoleQualifier (2376) = 21 (Specialist) and 22 (Algorithm) are only possible together with PartyIDSource (447) = 'D'. PartyRoleQualifier (2376) = 24 (Natural person) is only possible together with PartyIDSource (447) = 'P'. PartyRoleQualifier (2376) = 21 (Specialist) is not allowed in request messages. <table><tr><td>Value</td><td>Description</td></tr><tr><td>21</td><td>Specialist</td></tr><tr><td>22</td><td>Algorithm</td></tr><tr><td>24</td><td>Natural person</td></tr></table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person
Value	Description											
21	Specialist											
22	Algorithm											
24	Natural person											
802	>NoPartySubIDs	N	INT	Number of PartySubIDs. Only one entry. Only in combination with PartyRole (452) = 7 (Entering firm), 12 (Executing trader) and 36 (Entering trader) possible.								
523	>PartySubID	N	STRING (1-6)	Firm or Trader Short Name, depending on the value of field PartySubIDType(803).								

Tag	Field Name	Req'd	Data Type	Description						
803	>PartySubIDType	N	INT	Type of PartySubID. <table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Firm</td></tr><tr><td>2</td><td>Person</td></tr></table>	Value	Description	1	Firm	2	Person
Value	Description									
1	Firm									
2	Person									
</Parties>										
<TargetParties>, cardinality: 0-2, record counter: NoTargetPartyIDs (1461), containing occurrences: target_executing_trader, target_session_ID										
1462	>TargetPartyID	Y	STRING	PartyID value within an target party repeating group.						
1463	>TargetParty-IDSource	Y	CHAR	PartyIDSource value within an target party repeating group. <table><tr><td>Value</td><td>Description</td></tr><tr><td>D</td><td>Proprietary custom code</td></tr></table>	Value	Description	D	Proprietary custom code		
Value	Description									
D	Proprietary custom code									
1464	>TargetPartyRole	Y	INT	PartyRole value within a target party repeating group. <table><tr><td>Value</td><td>Description</td></tr><tr><td>12</td><td>Executing trader</td></tr><tr><td>55</td><td>Session ID</td></tr></table>	Value	Description	12	Executing trader	55	Session ID
Value	Description									
12	Executing trader									
55	Session ID									
</TargetParties>										
<Instrument>		Y								
55	Symbol	Y	STRING (1-10)	T7 product identifier. Cash only: Field must bet set to '[N/A]' in FIX requests where the ISIN is used as instrument identifier.						
48	SecurityID	N	INT(20)	T7 instrument identifier.						
22	SecurityIDSource	N	STRING (1)	Source of the securityID <table><tr><td>Value</td><td>Description</td></tr><tr><td>M</td><td>Marketplace-assigned identifier</td></tr></table>	Value	Description	M	Marketplace-assigned identifier		
Value	Description									
M	Marketplace-assigned identifier									
<SecurityAltIDGrp>, cardinality: 0-1, record counter: NoSecurityAltID (454)										
455	>SecurityAltID	Y	STRING (12)	Security identifier as ISIN						
456	>SecurityAltIDSource	Y	STRING (1)	Source of the SecurityAltID (455). Only ISIN is allowed. <table><tr><td>Value</td><td>Description</td></tr><tr><td>4</td><td>ISIN</td></tr></table>	Value	Description	4	ISIN		
Value	Description									
4	ISIN									
</SecurityAltIDGrp>										

Tag	Field Name	Req'd	Data Type	Description																
223	CouponRate	N	PERCENTAGE	The rate of interest that, when multiplied by the principal, par value, or face value of a bond, provides the currency amount of the periodic interest payment. The coupon is always cited, along with maturity, in any quotation of a bond's price.																
28890	DeliveryType	N	INT	Identifies type of settlement. <table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Auslandskassenverein (AKV)</td></tr><tr><td>2</td><td>Girosammelverwahrung (GS)</td></tr><tr><td>3</td><td>Streifbandverwahrung (STR)</td></tr><tr><td>4</td><td>Wertpapierrechnung (WPR)</td></tr><tr><td>5</td><td>Non-collective safe custody securities to be settled via T2S (AKT)</td></tr></table>	Value	Description	1	Auslandskassenverein (AKV)	2	Girosammelverwahrung (GS)	3	Streifbandverwahrung (STR)	4	Wertpapierrechnung (WPR)	5	Non-collective safe custody securities to be settled via T2S (AKT)				
Value	Description																			
1	Auslandskassenverein (AKV)																			
2	Girosammelverwahrung (GS)																			
3	Streifbandverwahrung (STR)																			
4	Wertpapierrechnung (WPR)																			
5	Non-collective safe custody securities to be settled via T2S (AKT)																			
28896	LastCouponDeviation-Indicator	N	INT	Last coupon deviation indicator. <table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>None</td></tr><tr><td>1</td><td>Short period</td></tr><tr><td>2</td><td>Long period</td></tr><tr><td>3</td><td>Only one coupon</td></tr><tr><td>4</td><td>Short - two interest payments due</td></tr><tr><td>5</td><td>Long - two interest payments due</td></tr><tr><td>6</td><td>Perpetual</td></tr></table>	Value	Description	0	None	1	Short period	2	Long period	3	Only one coupon	4	Short - two interest payments due	5	Long - two interest payments due	6	Perpetual
Value	Description																			
0	None																			
1	Short period																			
2	Long period																			
3	Only one coupon																			
4	Short - two interest payments due																			
5	Long - two interest payments due																			
6	Perpetual																			
28897	RefinancingEligibility-Indicator	N	INT	Ability of a security to be accepted for refinancing. <table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>No</td></tr><tr><td>1</td><td>Yes</td></tr></table>	Value	Description	0	No	1	Yes										
Value	Description																			
0	No																			
1	Yes																			
</Instrument>																				
11	ClOrdID	Y	STRING (1-20)	Unique customer defined order request identifier																
1374	MassActionScope	Y	INT	Specifies the session scope of Order Mass Action Request. <table><tr><td>Value</td><td>Description</td></tr><tr><td>6</td><td>All orders for a specific session</td></tr><tr><td>7</td><td>All orders for the own session</td></tr><tr><td>100</td><td>All orders for all sessions</td></tr></table>	Value	Description	6	All orders for a specific session	7	All orders for the own session	100	All orders for all sessions								
Value	Description																			
6	All orders for a specific session																			
7	All orders for the own session																			
100	All orders for all sessions																			

Tag	Field Name	Req'd	Data Type	Description						
15	Currency	N	CURRENCY	Currency used for price. The combination of an ISIN with a defined currency will Identify uniquely an instrument.						
44	Price	N	PRICE	Limit price.						
54	Side	N	CHAR	Side <table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Buy</td></tr><tr><td>2</td><td>Sell</td></tr></table>	Value	Description	1	Buy	2	Sell
Value	Description									
1	Buy									
2	Sell									
1724	OrderOrigination	N	INT	Direct market access identifier. <table><tr><th>Value</th><th>Description</th></tr><tr><td>5</td><td>Direct market access</td></tr><tr><td>105</td><td>Sponsored access</td></tr></table>	Value	Description	5	Direct market access	105	Sponsored access
Value	Description									
5	Direct market access									
105	Sponsored access									
<Trailer />										

8.9 User Order Mass Action Report

This message informs about mass cancellation events.

Tag	Field Name	Req'd	Data Type	Description												
<Header with MsgType='UBZ' />																
<Instrument>		Y														
55	Symbol	Y	STRING (1-10)	T7 product identifier. Cash only: Field must be set to '[N/A]' in FIX requests where the ISIN is used as instrument identifier.												
48	SecurityID	N	INT(20)	T7 instrument identifier.												
22	SecurityIDSource	N	STRING (1)	Source of the securityID <table><tr><td>Value</td><td>Description</td></tr><tr><td>M</td><td>Marketplace-assigned identifier</td></tr></table>	Value	Description	M	Marketplace-assigned identifier								
Value	Description															
M	Marketplace-assigned identifier															
<SecurityAltIDGrp>, cardinality: 0-1, record counter: NoSecurityAltID (454)																
455	>SecurityAltID	Y	STRING (12)	Security identifier as ISIN												
456	>SecurityAltIDSource	Y	STRING (1)	Source of the SecurityAltID (455). Only ISIN is allowed. <table><tr><td>Value</td><td>Description</td></tr><tr><td>4</td><td>ISIN</td></tr></table>	Value	Description	4	ISIN								
Value	Description															
4	ISIN															
</SecurityAltIDGrp>																
223	CouponRate	N	PERCENTAGE	The rate of interest that, when multiplied by the principal, par value, or face value of a bond, provides the currency amount of the periodic interest payment. The coupon is always cited, along with maturity, in any quotation of a bond's price.												
28890	DeliveryType	N	INT	Identifies type of settlement. <table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Auslandskassenverein (AKV)</td></tr><tr><td>2</td><td>Girosammelverwahrung (GS)</td></tr><tr><td>3</td><td>Streifbandverwahrung (STR)</td></tr><tr><td>4</td><td>Wertpapierrechnung (WPR)</td></tr><tr><td>5</td><td>Non-collective safe custody securities to be settled via T2S (AKT)</td></tr></table>	Value	Description	1	Auslandskassenverein (AKV)	2	Girosammelverwahrung (GS)	3	Streifbandverwahrung (STR)	4	Wertpapierrechnung (WPR)	5	Non-collective safe custody securities to be settled via T2S (AKT)
Value	Description															
1	Auslandskassenverein (AKV)															
2	Girosammelverwahrung (GS)															
3	Streifbandverwahrung (STR)															
4	Wertpapierrechnung (WPR)															
5	Non-collective safe custody securities to be settled via T2S (AKT)															

Tag	Field Name	Req'd	Data Type	Description	
28896	LastCouponDeviation-Indicator	N	INT	Last coupon deviation indicator.	
				Value	Description
				0	None
				1	Short period
				2	Long period
				3	Only one coupon
				4	Short - two interest payments due
				5	Long - two interest payments due
				6	Perpetual
28897	RefinancingEligibility-Indicator	N	INT	Ability of a security to be accepted for refinancing.	
				Value	Description
				0	No
				1	Yes
</Instrument>					
<Parties>, cardinality: 0 - 4, record counter: NoPartyIDs (453), containing occurrences: entering_trader, entering_firm, executing_trader, session_ID					
448	>PartyID	Y	STRING (1-35)	Party identifier/code.	
447	>PartyIDSource	Y	CHAR	Identifies class or source of the PartyID (448) value. Required if PartyID is specified.	
				Value	Description
				D	Proprietary custom code
452	>PartyRole	Y	INT	Party Role.	
				Value	Description
				7	Entering firm
				12	Executing trader
				36	Entering trader
55	Session ID				

Tag	Field Name	Req'd	Data Type	Description								
2376	>PartyRoleQualifier	N	INT	Indicates the nature of value submitted in the field PartyID (448). PartyRoleQualifier (2376) = 21 (Specialist) and 22 (Algorithm) are only possible together with PartyIDSource (447) = 'D'. PartyRoleQualifier (2376) = 24 (Natural person) is only possible together with PartyIDSource (447) = 'P'. PartyRoleQualifier (2376) = 21 (Specialist) is not allowed in request messages. <table><tr><td>Value</td><td>Description</td></tr><tr><td>21</td><td>Specialist</td></tr><tr><td>22</td><td>Algorithm</td></tr><tr><td>24</td><td>Natural person</td></tr></table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person
Value	Description											
21	Specialist											
22	Algorithm											
24	Natural person											
802	>NoPartySubIDs	N	INT	Number of PartySubIDs. Only one entry. Only in combination with PartyRole (452) = 7 (Entering firm), 12 (Executing trader) and 36 (Entering trader) possible.								
523	>PartySubID	N	STRING (1-6)	Firm or Trader Short Name, depending on the value of field PartySubIDType(803).								
803	>PartySubIDType	N	INT	Type of PartySubID. <table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Firm</td></tr><tr><td>2</td><td>Person</td></tr></table>	Value	Description	1	Firm	2	Person		
Value	Description											
1	Firm											
2	Person											
</Parties>												
<NotAffectedOrdersGrp>, cardinality: unrestricted, record counter: NoNotAffectedOrders (1370)												
1371	>NotAffectedOrderID	Y	INT(20)	Exchange Order ID of an order whose cancellation is pending.								
1372	>NotAffOrigCOrdID	N	STRING (1-20)	FIX Client Order ID of an order whose cancellation is pending.								
</NotAffectedOrdersGrp>												
<AffectedOrdersGrp>, cardinality: unrestricted, record counter: NoAffectedOrders (534)												
535	>AffectedOrderID	Y	INT(20)	Exchange Order ID of a persistent order deleted due to a mass cancellation.								
1824	>AffectedOrigCOrdID	N	STRING (1-20)	FIX Client Order ID of a persistent order deleted due to a mass cancellation.								
</AffectedOrdersGrp>												
11	COrdID	N	STRING (1-20)	Unique customer defined order request identifier								

Tag	Field Name	Req'd	Data Type	Description						
54	Side	N	CHAR	Side <table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Buy</td></tr><tr><td>2</td><td>Sell</td></tr></table>	Value	Description	1	Buy	2	Sell
Value	Description									
1	Buy									
2	Sell									
44	Price	N	PRICE	Limit price.						
30018	UExeclnst	N	MULTIPLE-VALUESTRING	Cancellation scope for orders. Quotes are always cancelled by Mass Cancellation Events. 'No value' indicates no order cancellation. <table><tr><th>Value</th><th>Description</th></tr><tr><td>H</td><td>Persistent Order</td></tr><tr><td>Q</td><td>Non-persistent Order</td></tr></table>	Value	Description	H	Persistent Order	Q	Non-persistent Order
Value	Description									
H	Persistent Order									
Q	Non-persistent Order									
1369	MassActionReportID	Y	INT(20)	Transaction timestamp.						
28721	MassActionReason	Y	INT	Reason for mass cancellation. Valid values are listed after this table.						
<Trailer />										

Valid Values of MassActionReason (datatype INT)

Valid Value	Description
0	No special reason
1	Trading was stopped
2	Emergency
6	Session loss or logout
7	Duplicate Session Login
8	Clearing Risk Control
100	Internal connection loss
105	Product State Halt
106	Product State Holiday
107	Instrument Suspended
110	Volatility Interruption
111	Product temporarily not tradeable
113	Instrument Stopped
115	Instrument Knock Out
116	Instrument Sold Out
117	Member has been disabled
118	Instrument Knock Out has been reverted
124	User Group Halt Trading due to Trading Action Request
125	Instrument has been restricted by Provider
126	Risk Monitoring Session Loss

Deutsche Börse Group's T7 Release 15.0
FIX LF Interface
Cash Message Reference

Deutsche Börse Group

Build 150.520.1.ga-150005020-63

127	Risk Service Unavailable
128	Overall Risk Limits Level 3 Breach

8.10 Business Message Acknowledgment

This message confirms the successful processing of the referenced message.

Tag	Field Name	Req'd	Data Type	Description
<Header with MsgType='U28' />				
45	RefSeqNum	Y	SEQNUM	Reference message Sequence number.
372	RefMsgType	Y	STRING	The MsgType (35) of the FIX message being referenced.
30379	BusinessAckRefID	Y	STRING	The value of the business-level ID field on the message being referenced.
<Trailer />				

8.11 Business Message Reject

The Business Message Reject message indicates that an application message has been rejected.

Tag	Field Name	Req'd	Data Type	Description
<Header with <i>MsgType</i> ='j' />				
45	RefSeqNum	N	SEQNUM	Reference message Sequence number.
58	Text	N	STRING (1-128)	Free format text string.
372	RefMsgType	Y	STRING	The <i>MsgType</i> (35) of the FIX message being referenced.
380	BusinessRejectReason	Y	INT	Code to identify reason for a Business Message Reject message. Valid values are listed after this table.
379	BusinessRejectRefID	N	STRING (1-20)	The value of the business-level ID field on the message being referenced.
<Trailer />				

Valid Values of BusinessRejectReason (datatype INT)

Valid Value	Description
0	Other
3	Unsupported message type
4	Application not available
5	Conditionally required field missing
6	Not Authorized
8	Throttle limit exceeded
100	Requested size too small
101	Requested size too big
104	Trading restriction
106	No valid quote from issuer
107	Sold out
108	RequestForQuote request timed out
109	Exchange (Security) Closed
102	Service temporarily not available
103	Service not available
105	Error converting response or broadcast
200	Internal technical error
210	Validation Error
211	User already logged in
217	Session login limit (per time interval) reached
223	User Entitlement Data time out
225	User login tries limit (per time interval) reached

226	Limit of outstanding session/user logins reached (per Business Unit)
227	Limit of outstanding session/user logins reached (per Session)
10000	Order not found
10001	Price not reasonable
10002	Duplicate Order (CLOrdID)
10003	another quote activation request is pending for the same Product / Instrument Type / Session-ID
10006	Stop buy price not reasonable
10007	Stop sell price not reasonable
10008	GFD order is not executable on current business day
10009	BOC order rejected in state other than cont.
10011	Order maintenance not allowed in current state
10012	Order not accepted in Volatility Freeze
10016	Pretrade Risk Limit exceeded
10023	Price exceeds extended price reasonability

8.12 Security Status Definition Request

The Security Status Definition Request is used to send knockout and soldout requests (T7 Deutsche Boerse Frankfurt).

Tag	Field Name	Req'd	Data Type	Description								
<Header with MsgType='U27' />												
<Parties>, cardinality: 1, record counter: NoPartyIDs (453), containing occurrences: entering_trader*												
448	>PartyID	Y	STRING (1-35)	Party identifier/code.								
447	>PartyIDSource	Y	CHAR	Identifies class or source of the PartyID (448) value. Required if PartyID is specified. <table><tr><td>Value</td><td>Description</td></tr><tr><td>D</td><td>Proprietary custom code</td></tr></table>	Value	Description	D	Proprietary custom code				
Value	Description											
D	Proprietary custom code											
452	>PartyRole	Y	INT	Party Role. <table><tr><td>Value</td><td>Description</td></tr><tr><td>36</td><td>Entering trader</td></tr></table>	Value	Description	36	Entering trader				
Value	Description											
36	Entering trader											
2376	>PartyRoleQualifier	N	INT	Indicates the nature of value submitted in the field PartyID (448). PartyRoleQualifier (2376) = 21 (Specialist) and 22 (Algorithm) are only possible together with PartyIDSource (447) = 'D'. PartyRoleQualifier (2376) = 24 (Natural person) is only possible together with PartyIDSource (447) = 'P'. PartyRoleQualifier (2376) = 21 (Specialist) is not allowed in request messages. <table><tr><td>Value</td><td>Description</td></tr><tr><td>21</td><td>Specialist</td></tr><tr><td>22</td><td>Algorithm</td></tr><tr><td>24</td><td>Natural person</td></tr></table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person
Value	Description											
21	Specialist											
22	Algorithm											
24	Natural person											
802	>NoPartySubIDs	N	INT	Number of PartySubIDs. Only one entry. Only in combination with PartyRole (452) = 7 (Entering firm), 12 (Executing trader) and 36 (Entering trader) possible.								
523	>PartySubID	N	STRING (1-6)	Firm or Trader Short Name, depending on the value of field PartySubIDType(803).								
803	>PartySubIDType	N	INT	Type of PartySubID. <table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Firm</td></tr><tr><td>2</td><td>Person</td></tr></table>	Value	Description	1	Firm	2	Person		
Value	Description											
1	Firm											
2	Person											
</Parties>												

Tag	Field Name	Req'd	Data Type	Description																
<Instrument>		Y																		
55	Symbol	Y	STRING (1-10)	T7 product identifier. Cash only: Field must bet set to '[N/A]' in FIX requests where the ISIN is used as instrument identifier.																
48	SecurityID	N	INT(20)	T7 instrument identifier.																
22	SecurityIDSource	N	STRING (1)	Source of the securityID <table><tr><td>Value</td><td>Description</td></tr><tr><td>M</td><td>Marketplace-assigned identifier</td></tr></table>	Value	Description	M	Marketplace-assigned identifier												
Value	Description																			
M	Marketplace-assigned identifier																			
<SecurityAltIDGrp>, cardinality: 0-1, record counter: NoSecurityAltID (454)																				
455	>SecurityAltID	Y	STRING (12)	Security identifier as ISIN																
456	>SecurityAltIDSource	Y	STRING (1)	Source of the SecurityAltID (455). Only ISIN is allowed. <table><tr><td>Value</td><td>Description</td></tr><tr><td>4</td><td>ISIN</td></tr></table>	Value	Description	4	ISIN												
Value	Description																			
4	ISIN																			
</SecurityAltIDGrp>																				
223	CouponRate	N	PERCENTAGE	The rate of interest that, when multiplied by the principal, par value, or face value of a bond, provides the currency amount of the periodic interest payment. The coupon is always cited, along with maturity, in any quotation of a bond's price.																
28890	DeliveryType	N	INT	Identifies type of settlement. <table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Auslandskassenverein (AKV)</td></tr><tr><td>2</td><td>Girosammelverwahrung (GS)</td></tr><tr><td>3</td><td>Streifbandverwahrung (STR)</td></tr><tr><td>4</td><td>Wertpapierrechnung (WPR)</td></tr><tr><td>5</td><td>Non-collective safe custody securities to be settled via T2S (AKT)</td></tr></table>	Value	Description	1	Auslandskassenverein (AKV)	2	Girosammelverwahrung (GS)	3	Streifbandverwahrung (STR)	4	Wertpapierrechnung (WPR)	5	Non-collective safe custody securities to be settled via T2S (AKT)				
Value	Description																			
1	Auslandskassenverein (AKV)																			
2	Girosammelverwahrung (GS)																			
3	Streifbandverwahrung (STR)																			
4	Wertpapierrechnung (WPR)																			
5	Non-collective safe custody securities to be settled via T2S (AKT)																			
28896	LastCouponDeviation-Indicator	N	INT	Last coupon deviation indicator. <table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>None</td></tr><tr><td>1</td><td>Short period</td></tr><tr><td>2</td><td>Long period</td></tr><tr><td>3</td><td>Only one coupon</td></tr><tr><td>4</td><td>Short - two interest payments due</td></tr><tr><td>5</td><td>Long - two interest payments due</td></tr><tr><td>6</td><td>Perpetual</td></tr></table>	Value	Description	0	None	1	Short period	2	Long period	3	Only one coupon	4	Short - two interest payments due	5	Long - two interest payments due	6	Perpetual
Value	Description																			
0	None																			
1	Short period																			
2	Long period																			
3	Only one coupon																			
4	Short - two interest payments due																			
5	Long - two interest payments due																			
6	Perpetual																			

Tag	Field Name	Req'd	Data Type	Description	
28897	RefinancingEligibility-Indicator	N	INT	Ability of a security to be accepted for refinancing.	
				Value	Description
				0	No
				1	Yes
</Instrument>					
<EvntGrp>, cardinality: unrestricted, record counter: NoEvents (864)					
865	>EventType	Y	INT	Code to represent the type of event.	
				Value	Description
				26	Redemption
				100	Delisting
866	>EventDate	N	LOCALMKT-DATE	Date of event in YYYYMMDD format.	
867	>EventPx	N	PRICE	Price of issue at event.	
</EvntGrp>					
15	Currency	N	CURRENCY	Currency used for price. The combination of an ISIN with a defined currency will Identify uniquely an instrument.	
30060	UTransactTime	N	INT(20)	Transaction timestamp. Number of nanoseconds since Jan 1, 1970.	
320	SecurityReqID	Y	STRING (1-20)	Unique ID of a Security Definition Request.	
31965	SecurityStatus-Indicator	N	INT	Current state of the Instrument.	
				Value	Description
				6	Knocked out
				7	Knocked out revoked
				12	Knocked out and suspended
25155	SoldOutIndicator	N	INT	Sold out indicator.	
				Value	Description
				0	Revert sold out
				1	Sold out
<Trailer />					

8.13 Security Status

The Security Status message is used as the application level response to a Security Status Definition Request (T7 Deutsche Boerse Frankfurt).

Tag	Field Name	Req'd	Data Type	Description
<Header with MsgType='f' />				
320	SecurityReqID	Y	STRING (1-20)	Unique ID of a Security Definition Request.
28781	SecurityStatusReport-ID	N	STRING	Transaction timestamp.
<Trailer />				

8.14 Cross Request

The Cross Request message is used for the publication of Cross Trade Announcements.

Tag	Field Name	Req'd	Data Type	Description				
<Header with MsgType='UDS' />								
<RootParties>, cardinality: 1, record counter: NoRootPartyIDs (1116), containing occurrences: root_entering_trader								
1117	>RootPartyID	Y	STRING (1-10)	Root party identifier.				
1118	>RootPartyIDSource	Y	CHAR	Identifies class or source of the RootPartyID (1117) value. <table><tr><td>Value</td><td>Description</td></tr><tr><td>D</td><td>Proprietary custom code</td></tr></table>	Value	Description	D	Proprietary custom code
Value	Description							
D	Proprietary custom code							
1119	>RootPartyRole	Y	INT	Identifies the type role of the RootPartyID (1117) specified. <table><tr><td>Value</td><td>Description</td></tr><tr><td>36</td><td>Entering trader</td></tr></table>	Value	Description	36	Entering trader
Value	Description							
36	Entering trader							
</RootParties>								
<Instrument>		N						
55	Symbol	Y	STRING (1-10)	T7 product identifier. Cash only: Field must be set to '[N/A]' in FIX requests where the ISIN is used as instrument identifier.				
48	SecurityID	N	INT(20)	T7 instrument identifier.				
22	SecurityIDSource	N	STRING (1)	Source of the securityID <table><tr><td>Value</td><td>Description</td></tr><tr><td>M</td><td>Marketplace-assigned identifier</td></tr></table>	Value	Description	M	Marketplace-assigned identifier
Value	Description							
M	Marketplace-assigned identifier							
<SecurityAltIDGrp>, cardinality: 0-1, record counter: NoSecurityAltID (454)								
455	>SecurityAltID	Y	STRING (12)	Security identifier as ISIN				
456	>SecurityAltIDSource	Y	STRING (1)	Source of the SecurityAltID (455). Only ISIN is allowed. <table><tr><td>Value</td><td>Description</td></tr><tr><td>4</td><td>ISIN</td></tr></table>	Value	Description	4	ISIN
Value	Description							
4	ISIN							
</SecurityAltIDGrp>								
223	CouponRate	N	PERCENTAGE	The rate of interest that, when multiplied by the principal, par value, or face value of a bond, provides the currency amount of the periodic interest payment. The coupon is always cited, along with maturity, in any quotation of a bond's price.				

Tag	Field Name	Req'd	Data Type	Description			
28890	DeliveryType	N	INT	Identifies type of settlement.			
				Value	Description		
				1	Auslandskassenverein (AKV)		
				2	Girosammelverwahrung (GS)		
				3	Streifbandverwahrung (STR)		
				4	Wertpapierrechnung (WPR)		
28896	LastCouponDeviation-Indicator	N	INT	Last coupon deviation indicator.			
				Value	Description		
				0	None		
				1	Short period		
				2	Long period		
				3	Only one coupon		
28897	RefinancingEligibility-Indicator	N	INT	Ability of a security to be accepted for refinancing.			
				Value	Description		
				0	No		
				1	Yes		
				</Instrument>			
				15	Currency	N	CURRENCY
38	OrderQty	Y	QTY	Total Order Quantity.			
2672	CrossRequestID	Y	INT(10)	Unique identifier for cross request. Uniqueness will be completely within the user's responsibility.			
<Trailer />							

8.15 Quote Request

The Quote Request message is used to request public quotes from market makers (T7 Cash, T7 Derivatives) and private quotes from specialists or issuers (T7 Cash). This message is commonly referred to as a Request For Quote (RFQ).

Tag	Field Name	Req'd	Data Type	Description												
<Header with MsgType='R' />																
<QuoteReqGrp>, cardinality: 1, record counter: NoRelatedSym (146)																
<Instrument>		Y														
55	Symbol	Y	STRING (1-10)	T7 product identifier. Cash only: Field must be set to '[N/A]' in FIX requests where the ISIN is used as instrument identifier.												
48	SecurityID	N	INT(20)	T7 instrument identifier.												
22	SecurityIDSource	N	STRING (1)	Source of the securityID <table><tr><td>Value</td><td>Description</td></tr><tr><td>M</td><td>Marketplace-assigned identifier</td></tr></table>	Value	Description	M	Marketplace-assigned identifier								
Value	Description															
M	Marketplace-assigned identifier															
<SecurityAltIDGrp>, cardinality: 0-1, record counter: NoSecurityAltID (454)																
455	>SecurityAltID	Y	STRING (12)	Security identifier as ISIN												
456	>SecurityAltIDSource	Y	STRING (1)	Source of the SecurityAltID (455). Only ISIN is allowed. <table><tr><td>Value</td><td>Description</td></tr><tr><td>4</td><td>ISIN</td></tr></table>	Value	Description	4	ISIN								
Value	Description															
4	ISIN															
</SecurityAltIDGrp>																
223	CouponRate	N	PERCENTAGE	The rate of interest that, when multiplied by the principal, par value, or face value of a bond, provides the currency amount of the periodic interest payment. The coupon is always cited, along with maturity, in any quotation of a bond's price.												
28890	DeliveryType	N	INT	Identifies type of settlement. <table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Auslandskassenverein (AKV)</td></tr><tr><td>2</td><td>Girosammelverwahrung (GS)</td></tr><tr><td>3</td><td>Streifbandverwahrung (STR)</td></tr><tr><td>4</td><td>Wertpapierrechnung (WPR)</td></tr><tr><td>5</td><td>Non-collective safe custody securities to be settled via T2S (AKT)</td></tr></table>	Value	Description	1	Auslandskassenverein (AKV)	2	Girosammelverwahrung (GS)	3	Streifbandverwahrung (STR)	4	Wertpapierrechnung (WPR)	5	Non-collective safe custody securities to be settled via T2S (AKT)
Value	Description															
1	Auslandskassenverein (AKV)															
2	Girosammelverwahrung (GS)															
3	Streifbandverwahrung (STR)															
4	Wertpapierrechnung (WPR)															
5	Non-collective safe custody securities to be settled via T2S (AKT)															

Tag	Field Name	Req'd	Data Type	Description	
28896	LastCouponDeviation-Indicator	N	INT	Last coupon deviation indicator.	
				Value	Description
				0	None
				1	Short period
				2	Long period
				3	Only one coupon
				4	Short - two interest payments due
				5	Long - two interest payments due
6	Perpetual				
28897	RefinancingEligibility-Indicator	N	INT	Ability of a security to be accepted for refinancing.	
				Value	Description
				0	No
				1	Yes
</Instrument>					
54	>Side	N	CHAR	Side	
				Value	Description
				1	Buy
				2	Sell
38	>OrderQty	N	QTY	Total Order Quantity.	
15	>Currency	N	CURRENCY	Currency used for price. The combination of an ISIN with a defined currency will Identify uniquely an instrument.	
<Parties>, cardinality: 1, record counter: NoPartyIDs (453), containing occurrences: entering_trader*					
448	>PartyID	Y	STRING (1-35)	Party identifier/code.	
447	>PartyIDSource	Y	CHAR	Identifies class or source of the PartyID (448) value. Required if PartyID is specified.	
				Value	Description
				D	Proprietary custom code
452	>PartyRole	Y	INT	Party Role.	
				Value	Description
				36	Entering trader

Tag	Field Name	Req'd	Data Type	Description								
2376	>PartyRoleQualifier	N	INT	Indicates the nature of value submitted in the field PartyID (448). PartyRoleQualifier (2376) = 21 (Specialist) and 22 (Algorithm) are only possible together with PartyIDSource (447) = 'D'. PartyRoleQualifier (2376) = 24 (Natural person) is only possible together with PartyIDSource (447) = 'P'. PartyRoleQualifier (2376) = 21 (Specialist) is not allowed in request messages. <table><tr><th>Value</th><th>Description</th></tr><tr><td>21</td><td>Specialist</td></tr><tr><td>22</td><td>Algorithm</td></tr><tr><td>24</td><td>Natural person</td></tr></table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person
Value	Description											
21	Specialist											
22	Algorithm											
24	Natural person											
802	>NoPartySubIDs	N	INT	Number of PartySubIDs. Only one entry. Only in combination with PartyRole (452) = 7 (Entering firm), 12 (Executing trader) and 36 (Entering trader) possible.								
523	>PartySubID	N	STRING (1-6)	Firm or Trader Short Name, depending on the value of field PartySubIDType(803).								
803	>PartySubIDType	N	INT	Type of PartySubID. <table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Firm</td></tr><tr><td>2</td><td>Person</td></tr></table>	Value	Description	1	Firm	2	Person		
Value	Description											
1	Firm											
2	Person											
</Parties>												
</QuoteReqGrp>												
131	QuoteReqID	Y	STRING (1-20)	Unique identifier of a quote request message. Must be INT(8) in case of a private quote.								
1171	PrivateQuote	N	BOOLEAN	Used to indicate whether the message is sent to request a public or a private quote. <table><tr><th>Value</th><th>Description</th></tr><tr><td>Y</td><td>Private Quote</td></tr><tr><td>N</td><td>Public Quote</td></tr></table>	Value	Description	Y	Private Quote	N	Public Quote		
Value	Description											
Y	Private Quote											
N	Public Quote											
25139	RFQRequester-DisclosureInstruction	N	INT	Instruction to disclose the business unit name of the requester of a public quote. Required in requests for public quotes. <table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>No</td></tr><tr><td>1</td><td>Yes</td></tr></table>	Value	Description	0	No	1	Yes		
Value	Description											
0	No											
1	Yes											

Tag	Field Name	Req'd	Data Type	Description	
28761	RFQPublishIndicator	N	INT	Recipient(s) of the request for a quote.	
				Value	Description
				1	Market Data
				2	Designated Sponsor
				3	Market Data and Designated Sponsor
				4	Market Maker and Designated Sponsor
				5	Market Data, Market Maker and Designated Sponsor
				6	Specialist(private)
				7	Issuer(private)
<Trailer />					

8.16 Quote

The Quote message is used as the response to a private Quote Request.

Tag	Field Name	Req'd	Data Type	Description												
<Header with MsgType='S' />																
<Instrument>		Y														
55	Symbol	Y	STRING (1-10)	T7 product identifier. Cash only: Field must be set to '[N/A]' in FIX requests where the ISIN is used as instrument identifier.												
48	SecurityID	N	INT(20)	T7 instrument identifier.												
22	SecurityIDSource	N	STRING (1)	Source of the securityID <table><tr><td>Value</td><td>Description</td></tr><tr><td>M</td><td>Marketplace-assigned identifier</td></tr></table>	Value	Description	M	Marketplace-assigned identifier								
Value	Description															
M	Marketplace-assigned identifier															
<SecurityAltIDGrp>, cardinality: 0-1, record counter: NoSecurityAltID (454)																
455	>SecurityAltID	Y	STRING (12)	Security identifier as ISIN												
456	>SecurityAltIDSource	Y	STRING (1)	Source of the SecurityAltID (455). Only ISIN is allowed. <table><tr><td>Value</td><td>Description</td></tr><tr><td>4</td><td>ISIN</td></tr></table>	Value	Description	4	ISIN								
Value	Description															
4	ISIN															
</SecurityAltIDGrp>																
223	CouponRate	N	PERCENTAGE	The rate of interest that, when multiplied by the principal, par value, or face value of a bond, provides the currency amount of the periodic interest payment. The coupon is always cited, along with maturity, in any quotation of a bond's price.												
28890	DeliveryType	N	INT	Identifies type of settlement. <table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Auslandskassenverein (AKV)</td></tr><tr><td>2</td><td>Girosammelverwahrung (GS)</td></tr><tr><td>3</td><td>Streifbandverwahrung (STR)</td></tr><tr><td>4</td><td>Wertpapierrechnung (WPR)</td></tr><tr><td>5</td><td>Non-collective safe custody securities to be settled via T2S (AKT)</td></tr></table>	Value	Description	1	Auslandskassenverein (AKV)	2	Girosammelverwahrung (GS)	3	Streifbandverwahrung (STR)	4	Wertpapierrechnung (WPR)	5	Non-collective safe custody securities to be settled via T2S (AKT)
Value	Description															
1	Auslandskassenverein (AKV)															
2	Girosammelverwahrung (GS)															
3	Streifbandverwahrung (STR)															
4	Wertpapierrechnung (WPR)															
5	Non-collective safe custody securities to be settled via T2S (AKT)															

Tag	Field Name	Req'd	Data Type	Description	
28896	LastCouponDeviation-Indicator	N	INT	Last coupon deviation indicator.	
				Value	Description
				0	None
				1	Short period
				2	Long period
				3	Only one coupon
				4	Short - two interest payments due
				5	Long - two interest payments due
				6	Perpetual
28897	RefinancingEligibility-Indicator	N	INT	Ability of a security to be accepted for refinancing.	
				Value	Description
				0	No
				1	Yes
</Instrument>					
15	Currency	N	CURRENCY	Currency used for price. The combination of an ISIN with a defined currency will Identify uniquely an instrument.	
117	QuoteID	Y	INT(20)	Unique identifier for quote.	
131	QuoteReqID	Y	STRING (1-20)	Unique identifier of a quote request message. Must be INT(8) in case of a private quote.	
132	BidPx	N	PRICE	Buy price of a quote.	
133	OfferPx	N	PRICE	Sell price of a quote.	
134	BidSize	N	QTY	Quantity on a buy side of a quote.	
135	OfferSize	N	QTY	Quantity on sell side of a quote.	
<Trailer />					

8.17 Trading Session Status

The Trading Session Status message informs about session related events.

Tag	Field Name	Req'd	Data Type	Description	
<Header with MsgType='h' />					
58	Text	N	STRING (1-128)	Free format text string.	
336	TradingSessionID	Y	INT	Identifier for trading session.	
				Value	Description
				1	Day
1368	TradSesEvent	Y	INT	Trading session event type.	
				Value	Description
				103	End of restatement
				201	Message transmission ended
340	TradSesStatus	Y	INT	State of the trading session.	
				Value	Description
				0	Unknown
				2	Open
				3	Closed
1300	MarketSegmentID	N	INT(10)	Product identifier.	
30060	UTransactTime	N	INT(20)	Transaction timestamp. Number of nanoseconds since Jan 1, 1970.	
30075	UTradeDate	N	LOCALMKT- DATE	Date of trading session in YYYYMMDD format.	
<Trailer />					

8.18 User Party Entitlements Update Report

User Party Entitlements Update Report. This message communicates risk control events related to the manual stop or release of trading functionality. Events will be generated on the Clearing back end and passed to the user by the T7 back end.

Tag	Field Name	Req'd	Data Type	Description												
<Header with MsgType='UCZ' />																
<Parties>, cardinality: 3-5, record counter: NoPartyIDs (453), containing occurrences: clearing_firm, entering_firm, executing_system*, executing_unit*, executing_firm*																
448	>PartyID	Y	STRING (1-35)	Party identifier/code.												
447	>PartyIDSource	Y	CHAR	Identifies class or source of the PartyID (448) value. Required if PartyID is specified. <table><tr><td>Value</td><td>Description</td></tr><tr><td>D</td><td>Proprietary custom code</td></tr></table>	Value	Description	D	Proprietary custom code								
Value	Description															
D	Proprietary custom code															
452	>PartyRole	Y	INT	Party Role. <table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Executing firm</td></tr><tr><td>4</td><td>Clearing firm</td></tr><tr><td>7</td><td>Entering firm</td></tr><tr><td>16</td><td>Executing system</td></tr><tr><td>59</td><td>Executing unit</td></tr></table>	Value	Description	1	Executing firm	4	Clearing firm	7	Entering firm	16	Executing system	59	Executing unit
Value	Description															
1	Executing firm															
4	Clearing firm															
7	Entering firm															
16	Executing system															
59	Executing unit															
2376	>PartyRoleQualifier	N	INT	Indicates the nature of value submitted in the field PartyID (448). PartyRoleQualifier (2376) = 21 (Specialist) and 22 (Algorithm) are only possible together with PartyIDSource (447) = 'D'. PartyRoleQualifier (2376) = 24 (Natural person) is only possible together with PartyIDSource (447) = 'P'. PartyRoleQualifier (2376) = 21 (Specialist) is not allowed in request messages. <table><tr><td>Value</td><td>Description</td></tr><tr><td>21</td><td>Specialist</td></tr><tr><td>22</td><td>Algorithm</td></tr><tr><td>24</td><td>Natural person</td></tr></table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person				
Value	Description															
21	Specialist															
22	Algorithm															
24	Natural person															
802	>NoPartySubIDs	N	INT	Number of PartySubIDs. Only one entry. Only in combination with PartyRole (452) = 7 (Entering firm), 12 (Executing trader) and 36 (Entering trader) possible.												
523	>PartySubID	N	STRING (1-6)	Firm or Trader Short Name, depending on the value of field PartySubIDType(803).												

Tag	Field Name	Req'd	Data Type	Description						
803	>PartySubIDType	N	INT	Type of PartySubID. <table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Firm</td></tr><tr><td>2</td><td>Person</td></tr></table>	Value	Description	1	Firm	2	Person
Value	Description									
1	Firm									
2	Person									
</Parties>										
75	TradeDate	N	LOCALMKT-DATE	Business date in YYYYMMDD format.						
1324	ListUpdateAction	N	CHAR	Invocation or release of a control event. <table><tr><td>Value</td><td>Description</td></tr><tr><td>A</td><td>Add (Invocation)</td></tr><tr><td>D</td><td>Delete (Release)</td></tr></table>	Value	Description	A	Add (Invocation)	D	Delete (Release)
Value	Description									
A	Add (Invocation)									
D	Delete (Release)									
1672	PartyDetailStatus	N	INT	Member status. <table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>Active</td></tr><tr><td>1</td><td>Suspended</td></tr></table>	Value	Description	0	Active	1	Suspended
Value	Description									
0	Active									
1	Suspended									
30060	UTransactTime	Y	INT(20)	Transaction timestamp. Number of nanoseconds since Jan 1, 1970.						
1301	MarketID	Y	EXCHANGE	Market Identifier Code of the trading market according to ISO 10383.						
<Trailer />										

8.19 User Party Action Report

User Party Action Report. This message communicates risk control events of type halt-trading and re-instate. Events will be entered via the T7 Admin GUI.

Tag	Field Name	Req'd	Data Type	Description								
<Header with MsgType='UDI' />												
<Parties>, cardinality: 1 - 2, record counter: NoPartyIDs (453), containing occurrences: executing_unit *, executing_trader												
448	>PartyID	Y	STRING (1-35)	Party identifier/code.								
447	>PartyIDSource	Y	CHAR	Identifies class or source of the PartyID (448) value. Required if PartyID is specified. <table><tr><td>Value</td><td>Description</td></tr><tr><td>D</td><td>Proprietary custom code</td></tr></table>	Value	Description	D	Proprietary custom code				
Value	Description											
D	Proprietary custom code											
452	>PartyRole	Y	INT	Party Role. <table><tr><td>Value</td><td>Description</td></tr><tr><td>12</td><td>Executing trader</td></tr><tr><td>59</td><td>Executing unit</td></tr></table>	Value	Description	12	Executing trader	59	Executing unit		
Value	Description											
12	Executing trader											
59	Executing unit											
2376	>PartyRoleQualifier	N	INT	Indicates the nature of value submitted in the field PartyID (448). PartyRoleQualifier (2376) = 21 (Specialist) and 22 (Algorithm) are only possible together with PartyIDSource (447) = 'D'. PartyRoleQualifier (2376) = 24 (Natural person) is only possible together with PartyIDSource (447) = 'P'. PartyRoleQualifier (2376) = 21 (Specialist) is not allowed in request messages. <table><tr><td>Value</td><td>Description</td></tr><tr><td>21</td><td>Specialist</td></tr><tr><td>22</td><td>Algorithm</td></tr><tr><td>24</td><td>Natural person</td></tr></table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person
Value	Description											
21	Specialist											
22	Algorithm											
24	Natural person											
802	>NoPartySubIDs	N	INT	Number of PartySubIDs. Only one entry. Only in combination with PartyRole (452) = 7 (Entering firm), 12 (Executing trader) and 36 (Entering trader) possible.								
523	>PartySubID	N	STRING (1-6)	Firm or Trader Short Name, depending on the value of field PartySubIDType(803).								
803	>PartySubIDType	N	INT	Type of PartySubID. <table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Firm</td></tr><tr><td>2</td><td>Person</td></tr></table>	Value	Description	1	Firm	2	Person		
Value	Description											
1	Firm											
2	Person											

Tag	Field Name	Req'd	Data Type	Description								
</Parties>												
<RequestingParties>, cardinality: 0-3, record counter: NoRequestingPartyIDs (1657), containing occurrences: requesting_entering_firm, requesting_executing_system, requesting_executing_trader												
1658	>RequestingPartyID	Y	STRING	Party identifier for the requesting party.								
1659	>RequestingParty- IDSource	Y	CHAR	Identifies the source of the RequestingPartyID (1658) value. <table><tr><td>Value</td><td>Description</td></tr><tr><td>D</td><td>Proprietary custom code</td></tr></table>	Value	Description	D	Proprietary custom code				
Value	Description											
D	Proprietary custom code											
1660	>RequestingPartyRole	Y	INT	Identifies the type or role of the Requesting-PartyID (1658) specified. <table><tr><td>Value</td><td>Description</td></tr><tr><td>7</td><td>Entering firm</td></tr><tr><td>12</td><td>Executing trader</td></tr><tr><td>16</td><td>Executing system</td></tr></table>	Value	Description	7	Entering firm	12	Executing trader	16	Executing system
Value	Description											
7	Entering firm											
12	Executing trader											
16	Executing system											
</RequestingParties>												
<TargetParties>, cardinality: 0-1, record counter: NoTargetPartyIDs (1461), containing occurrences: target_executing_unit												
1462	>TargetPartyID	Y	STRING	PartyID value within an target party repeating group.								
1463	>TargetParty- IDSource	Y	CHAR	PartyIDSource value within an target party repeating group. <table><tr><td>Value</td><td>Description</td></tr><tr><td>D</td><td>Proprietary custom code</td></tr></table>	Value	Description	D	Proprietary custom code				
Value	Description											
D	Proprietary custom code											
1464	>TargetPartyRole	Y	INT	PartyRole value within a target party repeating group. <table><tr><td>Value</td><td>Description</td></tr><tr><td>59</td><td>Executing unit</td></tr></table>	Value	Description	59	Executing unit				
Value	Description											
59	Executing unit											
</TargetParties>												
25272	OrderDeletion- Instruction	N	INT	Instruction specifying if orders of targeted Sponsored Access Unit ID need to be deleted. Can be send only when PartyActionType is Halt_Trading(1) <table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>No</td></tr><tr><td>1</td><td>Yes</td></tr></table>	Value	Description	0	No	1	Yes		
Value	Description											
0	No											
1	Yes											

Tag	Field Name	Req'd	Data Type	Description
2329	PartyActionType	N	INT	Party Action Type.
				Value Description
				1 Halt Trading
				2 Reinstate
30060	UTransactTime	Y	INT(20)	Transaction timestamp. Number of nanoseconds since Jan 1, 1970.
75	TradeDate	Y	LOCALMKT-DATE	Business date in YYYYMMDD format.
1301	MarketID	Y	EXCHANGE	Market Identifier Code of the trading market according to ISO 10383.
<Trailer />				

8.20 User Party Risk Limits Update Report

User Party Risk Limits Update Report. This message communicates risk control events related to the Advanced Risk Protection functionality of T7 in case of a risk limit breach or release.

Tag	Field Name	Req'd	Data Type	Description												
<Header with MsgType='UCR' />																
<Parties>, cardinality: 2-5, record counter: NoPartyIDs (453), containing occurrences: clearing_firm, entering_firm, executing_system*, executing_unit*, executing_firm																
448	>PartyID	Y	STRING (1-35)	Party identifier/code.												
447	>PartyIDSource	Y	CHAR	Identifies class or source of the PartyID (448) value. Required if PartyID is specified. <table><tr><td>Value</td><td>Description</td></tr><tr><td>D</td><td>Proprietary custom code</td></tr></table>	Value	Description	D	Proprietary custom code								
Value	Description															
D	Proprietary custom code															
452	>PartyRole	Y	INT	Party Role. <table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Executing firm</td></tr><tr><td>4</td><td>Clearing firm</td></tr><tr><td>7</td><td>Entering firm</td></tr><tr><td>16</td><td>Executing system</td></tr><tr><td>59</td><td>Executing unit</td></tr></table>	Value	Description	1	Executing firm	4	Clearing firm	7	Entering firm	16	Executing system	59	Executing unit
Value	Description															
1	Executing firm															
4	Clearing firm															
7	Entering firm															
16	Executing system															
59	Executing unit															
2376	>PartyRoleQualifier	N	INT	Indicates the nature of value submitted in the field PartyID (448). PartyRoleQualifier (2376) = 21 (Specialist) and 22 (Algorithm) are only possible together with PartyIDSource (447) = 'D'. PartyRoleQualifier (2376) = 24 (Natural person) is only possible together with PartyIDSource (447) = 'P'. PartyRoleQualifier (2376) = 21 (Specialist) is not allowed in request messages. <table><tr><td>Value</td><td>Description</td></tr><tr><td>21</td><td>Specialist</td></tr><tr><td>22</td><td>Algorithm</td></tr><tr><td>24</td><td>Natural person</td></tr></table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person				
Value	Description															
21	Specialist															
22	Algorithm															
24	Natural person															
802	>NoPartySubIDs	N	INT	Number of PartySubIDs. Only one entry. Only in combination with PartyRole (452) = 7 (Entering firm), 12 (Executing trader) and 36 (Entering trader) possible.												
523	>PartySubID	N	STRING (1-6)	Firm or Trader Short Name, depending on the value of field PartySubIDType(803).												

Tag	Field Name	Req'd	Data Type	Description	
803	>PartySubIDType	N	INT	Type of PartySubID.	
				Value	Description
				1	Firm
				2	Person
</Parties>					
<TargetParties>, cardinality: 0-1, record counter: NoTargetPartyIDs (1461), containing occurrences: target_executing_unit					
1462	>TargetPartyID	Y	STRING	PartyID value within an target party repeating group.	
1463	>TargetParty-IDSource	Y	CHAR	PartyIDSource value within an target party repeating group.	
				Value	Description
				D	Proprietary custom code
1464	>TargetPartyRole	Y	INT	PartyRole value within a target party repeating group.	
				Value	Description
				59	Executing unit
</TargetParties>					
75	TradeDate	Y	LOCALMKT-DATE	Business date in YYYYMMDD format.	
1324	ListUpdateAction	N	CHAR	Invocation or release of a control event.	
				Value	Description
				A	Add (Invocation)
				D	Delete (Release)
1767	RiskLimitAction	N	INT	Risk protection action.	
30060	UTransactTime	Y	INT(20)	Transaction timestamp. Number of nanoseconds since Jan 1, 1970.	
1301	MarketID	Y	EXCHANGE	Market Identifier Code of the trading market according to ISO 10383.	
<Trailer />					

8.21 User Party Risk Limits Request

The User Party Risk Limits Request is used to inquire pre-trade risk limits. These limits can be defined for on-book trading on product and user risk group level.

Tag	Field Name	Req'd	Data Type	Description								
<Header with MsgType='UCL' />												
<Parties>, cardinality: 1 - 2, record counter: NoPartyIDs (453), containing occurrences: entering_trader*, executing_unit												
448	>PartyID	Y	STRING (1-35)	Party identifier/code.								
447	>PartyIDSource	Y	CHAR	Identifies class or source of the PartyID (448) value. Required if PartyID is specified. <table><tr><td>Value</td><td>Description</td></tr><tr><td>D</td><td>Proprietary custom code</td></tr></table>	Value	Description	D	Proprietary custom code				
Value	Description											
D	Proprietary custom code											
452	>PartyRole	Y	INT	Party Role. <table><tr><td>Value</td><td>Description</td></tr><tr><td>36</td><td>Entering trader</td></tr><tr><td>59</td><td>Executing unit</td></tr></table>	Value	Description	36	Entering trader	59	Executing unit		
Value	Description											
36	Entering trader											
59	Executing unit											
2376	>PartyRoleQualifier	N	INT	Indicates the nature of value submitted in the field PartyID (448). PartyRoleQualifier (2376) = 21 (Specialist) and 22 (Algorithm) are only possible together with PartyIDSource (447) = 'D'. PartyRoleQualifier (2376) = 24 (Natural person) is only possible together with PartyIDSource (447) = 'P'. PartyRoleQualifier (2376) = 21 (Specialist) is not allowed in request messages. <table><tr><td>Value</td><td>Description</td></tr><tr><td>21</td><td>Specialist</td></tr><tr><td>22</td><td>Algorithm</td></tr><tr><td>24</td><td>Natural person</td></tr></table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person
Value	Description											
21	Specialist											
22	Algorithm											
24	Natural person											
802	>NoPartySubIDs	N	INT	Number of PartySubIDs. Only one entry. Only in combination with PartyRole (452) = 7 (Entering firm), 12 (Executing trader) and 36 (Entering trader) possible.								
523	>PartySubID	N	STRING (1-6)	Firm or Trader Short Name, depending on the value of field PartySubIDType(803).								

Tag	Field Name	Req'd	Data Type	Description	
803	>PartySubIDType	N	INT	Type of PartySubID.	
				Value	Description
				1	Firm
				2	Person
</Parties>					
1300	MarketSegmentID	Y	INT(10)	Product identifier.	
1533	RiskLimitPlatform	Y	INT	The area to which risk limit is applicable. Scope of Pre-Trade risk limits.	
				Value	Description
				0	On-Book
1666	RiskLimitRequestID	Y	STRING (1-20)	Unique identifier for the User Party Risk Limits Request.	
28775	RiskLimitGroup	N	STRING (1-3)	User Pre-Trade risk group	
<Trailer />					

8.22 User Party Risk Limits Report

The User Party Risk Limits Report message is used as the application level response to a User Party Risk Limits Request.

Tag	Field Name	Req'd	Data Type	Description						
<Header with MsgType='UCM' />										
<PartyRiskLimitsGrp>, cardinality: unrestricted, record counter: NoPartyRiskLimits (1677)										
<PartyDetailGrp>, cardinality: 1, record counter: NoPartyDetails (1671)										
1691	>PartyDetailID	Y	STRING (1-5)	The identification of the party.						
1692	>PartyDetailIDSource	Y	CHAR	Source of the identifier of the PartyDetailID (1691) specified. <table><tr><td>Value</td><td>Description</td></tr><tr><td>D</td><td>Proprietary custom code</td></tr></table>	Value	Description	D	Proprietary custom code		
Value	Description									
D	Proprietary custom code									
1693	>PartyDetailRole	Y	INT	PartyRole value within a target party repeating group. <table><tr><td>Value</td><td>Description</td></tr><tr><td>59</td><td>Executing unit</td></tr></table>	Value	Description	59	Executing unit		
Value	Description									
59	Executing unit									
1672	>PartyDetailStatus	Y	INT	Member status. <table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>Active</td></tr><tr><td>1</td><td>Suspended</td></tr></table>	Value	Description	0	Active	1	Suspended
Value	Description									
0	Active									
1	Suspended									
</PartyDetailGrp>										
<RiskLimitsGrp>, cardinality: 1, record counter: NoRiskLimits (1669)										
<RiskLimitTypesGrp>, cardinality: 1 - 64, record counter: NoRiskLimitTypes (1529)										
1530	>RiskLimitType	Y	INT	Specifies the type of risk limit. <table><tr><td>Value</td><td>Description</td></tr><tr><td>4</td><td>Long Limit</td></tr><tr><td>5</td><td>Short Limit</td></tr></table>	Value	Description	4	Long Limit	5	Short Limit
Value	Description									
4	Long Limit									
5	Short Limit									
1533	>RiskLimitPlatform	Y	INT	The area to which risk limit is applicable. Scope of Pre-Trade risk limits. <table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>On-Book</td></tr></table>	Value	Description	0	On-Book		
Value	Description									
0	On-Book									

Tag	Field Name	Req'd	Data Type	Description								
28776	>RiskLimit-RequestingPartyRole	Y	INT	Requesting party role for a pre-trade risk limit. <table><tr><td>Value</td><td>Description</td></tr><tr><td>4</td><td>Clearing firm</td></tr><tr><td>22</td><td>Exchange</td></tr><tr><td>59</td><td>Executing unit</td></tr></table>	Value	Description	4	Clearing firm	22	Exchange	59	Executing unit
Value	Description											
4	Clearing firm											
22	Exchange											
59	Executing unit											
28778	>RiskLimitViolation-Indicator	Y	INT	Indicator for a pre-trade risk limit violation. <table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>No</td></tr><tr><td>1</td><td>Yes</td></tr></table>	Value	Description	0	No	1	Yes		
Value	Description											
0	No											
1	Yes											
28775	>RiskLimitGroup	N	STRING (1-3)	User Pre-Trade risk group								
1531	>RiskLimitAmount	N	FLOAT	Risk limit amount								
28905	>ActivationDate	N	LOCALMKT-DATE	Business date when change is active								
28784	>RiskLimitOpen-Amount	N	FLOAT	Open amount for orders								
28785	>RiskLimitNet-PositionAmount	N	FLOAT	Net position amount for a requested pre-trade risk limit scope.								
</RiskLimitTypesGrp>												
</RiskLimitsGrp>												
</PartyRiskLimitsGrp>												
1300	MarketSegmentID	Y	INT(10)	Product identifier.								
1666	RiskLimitRequestID	Y	STRING (1-20)	Unique identifier for the User Party Risk Limits Request.								
1667	RiskLimitReportID	Y	INT	Numeric identifier for the User Party Risk Limits Report.								
<Trailer />												

8.23 Session Details List

Session Details List provides a list of all trading sessions of the own business unit.

Tag	Field Name	Req'd	Data Type	Description	
<Header with MsgType='U6' />					
<SessionGrp>, cardinality: unrestricted, record counter: NoSessions (28734)					
28766	>GatewaySessionID	Y	INT(10)	Identifier of an T7 session ID.	
28730	>SessionMode	Y	INT	The session type.	
				Value	Description
				0	ETI High Frequency session
				1	ETI Low Frequency session
				2	T7 GUI session
				3	FIX LF session
28735	>SessionSubMode	Y	INT	The session subtype.	
				Value	Description
				0	Regular Trading session
				4	Sponsored Access Trading session
28767	>SecondarySessionID	N	STRING	FIX session CompID. Set only for FIX LF sessions.	
20359	>PartyIDSponsored-AccessUnit	N	INT(10)	Sponsored Access Unit ID.	
22359	>PartySponsored-AccessUnit	N	STRING (1-30)	Sponsored Access Unit Name.	
</SessionGrp>					
30060	UTransactTime	Y	INT(20)	Transaction timestamp. Number of nanoseconds since Jan 1, 1970.	
<Trailer />					

8.24 Trade Capture Report

The Trade Capture Report message is used to report trades and trade reversals via FIX Back-office sessions.

Tag	Field Name	Req'd	Data Type	Description	
<Header with MsgType='AE' />					
<Instrument>		Y			
55	Symbol	Y	STRING (1-10)	T7 product identifier. Cash only: Field must be set to '[N/A]' in FIX requests where the ISIN is used as instrument identifier.	
48	SecurityID	N	INT(20)	T7 instrument identifier.	
22	SecurityIDSource	N	STRING (1)	Source of the securityID	
				Value	Description
				M	Marketplace-assigned identifier
<SecurityAltIDGrp>, cardinality: 0-1, record counter: NoSecurityAltID (454)					
455	>SecurityAltID	Y	STRING (12)	Security identifier as ISIN	
456	>SecurityAltIDSource	Y	STRING (1)	Source of the SecurityAltID (455). Only ISIN is allowed.	
				Value	Description
				4	ISIN
</SecurityAltIDGrp>					
223	CouponRate	N	PERCENTAGE	The rate of interest that, when multiplied by the principal, par value, or face value of a bond, provides the currency amount of the periodic interest payment. The coupon is always cited, along with maturity, in any quotation of a bond's price.	
28890	DeliveryType	Y	INT	Identifies type of settlement.	
				Value	Description
				1	Auslandskassenverein (AKV)
				2	Girosammelverwahrung (GS)
				3	Streifbandverwahrung (STR)
				4	Wertpapierrechnung (WPR)
5	Non-collective safe custody securities to be settled via T2S (AKT)				

Tag	Field Name	Req'd	Data Type	Description	
28896	LastCouponDeviation-Indicator	N	INT	Last coupon deviation indicator.	
				Value	Description
				0	None
				1	Short period
				2	Long period
				3	Only one coupon
				4	Short - two interest payments due
				5	Long - two interest payments due
				6	Perpetual
28897	RefinancingEligibility-Indicator	N	INT	Ability of a security to be accepted for refinancing.	
				Value	Description
				0	No
				1	Yes
</Instrument>					
<RegulatoryTradeIDGrp>, cardinality: 0 - 1, record counter: NoRegulatoryTradeIDs (1907)					
1903	>RegulatoryTradeID	N	STRING	Trading Venue Transaction Identifier (TVTIC).	
1906	>RegulatoryTrade-IDType	N	INT	Specifies the type of trade identifier provided in RegulatoryTradeID (1903).	
				Value	Description
				5	Trading venue transaction identifier (TVTIC)
</RegulatoryTradeIDGrp>					
<SRQSRelatedTradeIDGrp>, cardinality: 0 - 1, record counter: NoSRQSRelatedTradeIDs (25174)					
25152	>SRQSRelatedTrade-ID	N	INT(10)	Provides together with the NegotiationID a link to the corresponding Xetra/Eurex Enlight deal.	
</SRQSRelatedTradeIDGrp>					
<RootParties>, cardinality: 1, record counter: NoRootPartyIDs (1116), containing occurrences: root_execution_venue					
1117	>RootPartyID	Y	STRING (1-10)	Root party identifier.	
1118	>RootPartyIDSource	Y	CHAR	Identifies class or source of the RootPartyID (1117) value.	
				Value	Description
				G	Market identifier code

Tag	Field Name	Req'd	Data Type	Description								
1119	>RootPartyRole	Y	INT	Identifies the type role of the RootPartyID (1117) specified. <table><tr><td>Value</td><td>Description</td></tr><tr><td>73</td><td>Execution venue</td></tr></table>	Value	Description	73	Execution venue				
Value	Description											
73	Execution venue											
</RootParties>												
<TrdCapRptSideGrp>, cardinality: 1-2, record counter: NoSides (552), containing occurrences: Side1*, Side2												
54	>Side	Y	CHAR	Side of trade. <table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Buy</td></tr><tr><td>2</td><td>Sell</td></tr></table>	Value	Description	1	Buy	2	Sell		
Value	Description											
1	Buy											
2	Sell											
1005	>SideTradeReportID	N	INT(10)	Used on a multi-sided trade to designate the ReportID.								
1506	>SideTradeID	N	INT(10)	Used to represent the trade ID for each side of the trade assigned by an intermediary.								
<Parties>, cardinality: 0-23, record counter: NoPartyIDs (453)												
448	>PartyID	Y	STRING (1-35)	Party identifier/code.								
447	>PartyIDSource	Y	CHAR	Identifies class or source of the PartyID (448) value. Required if PartyID is specified. <table><tr><td>Value</td><td>Description</td></tr><tr><td>D</td><td>Proprietary custom code</td></tr><tr><td>H</td><td>Kassenverein number</td></tr><tr><td>P</td><td>Short code identifier</td></tr></table>	Value	Description	D	Proprietary custom code	H	Kassenverein number	P	Short code identifier
Value	Description											
D	Proprietary custom code											
H	Kassenverein number											
P	Short code identifier											

Tag	Field Name	Req'd	Data Type	Description	
452	>PartyRole	Y	INT	Party Role.	
				Value	Description
				1	Executing firm
				3	Client ID
				4	Clearing firm
				7	Entering firm
				10	Settlement location
				12	Executing trader
				16	Executing system
				36	Entering trader
				55	Session ID
				59	Executing unit
				66	Market Maker
				90	Settlement Firm
				91	Settlement Account
122	Investment decision maker				
2376	>PartyRoleQualifier	N	INT	Indicates the nature of value submitted in the field PartyID (448). PartyRoleQualifier (2376) = 21 (Specialist) and 22 (Algorithm) are only possible together with PartyIDSource (447) = 'D'. PartyRoleQualifier (2376) = 24 (Natural person) is only possible together with PartyIDSource (447) = 'P'. PartyRoleQualifier (2376) = 21 (Specialist) is not allowed in request messages.	
				Value	Description
				21	Specialist
				22	Algorithm
				24	Natural person
802	>NoPartySubIDs	N	INT	Number of PartySubIDs. Only one entry. Only in combination with PartyRole (452) = 7 (Entering firm), 12 (Executing trader) and 36 (Entering trader) possible.	
523	>PartySubID	N	STRING (1-6)	Firm or Trader Short Name, depending on the value of field PartySubIDType(803).	
803	>PartySubIDType	N	INT	Type of PartySubID.	
				Value	Description
				1	Firm
				2	Person

Tag	Field Name	Req'd	Data Type	Description	
</Parties>					
25027	>PartyIDClearingUnit	N	STRING	Party ID Clearing Unit.	
25120	>PartyIDSettlement-Unit	N	STRING	Party ID Settlement Unit.	
1	>Account	N	STRING (2)	Account.	
<ClrInstGrp>, cardinality: 1, record counter: NoClearingInstructions (576)					
577	>ClearingInstruction	N	INT	Indicator to specify if a non-CCP trade is internalised or aggregated.	
				Value	Description
				2	Bilateral netting only (aggregation)
				13	Self clearing (internalisation)
				100	Broker Internalized Auction Volume Discovery
</ClrInstGrp>					
157	>NumDaysInterest	N	INT	Number of Days of Interest for convertible bonds and fixed income. Value may be negative.	
159	>AccruedInterestAmt	N	AMT	Amount of Accrued Interest for convertible bonds and fixed income.	
119	>SettlCurrAmt	N	AMT	Total amount due expressed in settlement currency.	
155	>SettlCurrFxRate	N	FLOAT	Foreign exchange rate used to compute SettlCurrAmt (119) from Currency (15) to SettlCurrency (120). The exchange rate as a multiplicative factor, converting the settlement amount given in instrument currency into the settlement amount given in settlement currency. The multiplicative factor is calculated as settlement currency exchange rate to Euro divided by instrument currency exchange rate to Euro.	
25007	>FreeText1	N	STRING (1-12)	First free-format text field for trader-specific or customer-related comments.	
1072	>SideGrossTradeAmt	N	AMT	The gross trade amount for this side of the trade.	
1115	>OrderCategory	N	CHAR	Defines the type of interest behind a trade (fill or partial fill).	
				Value	Description
				1	Order
				2	Quote

Tag	Field Name	Req'd	Data Type	Description												
1444	>SideLiquidityInd	N	INT	Indicates whether the order added or removed liquidity. Field is used only for on-book trades. <table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Added Liquidity (passive)</td></tr><tr><td>2</td><td>Removed Liquidity (aggressive)</td></tr><tr><td>4</td><td>Auction (neither passive nor aggressive)</td></tr></table>	Value	Description	1	Added Liquidity (passive)	2	Removed Liquidity (aggressive)	4	Auction (neither passive nor aggressive)				
Value	Description															
1	Added Liquidity (passive)															
2	Removed Liquidity (aggressive)															
4	Auction (neither passive nor aggressive)															
37	>OrderID	N	INT(20)	Exchange Order ID generated by the T7 system.												
11	>CICOrdID	N	STRING (1-20)	Unique customer defined order request identifier												
40	>OrdType	N	CHAR	Order type. <table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Market</td></tr><tr><td>2</td><td>Limit</td></tr><tr><td>3</td><td>Stop</td></tr><tr><td>4</td><td>Stop limit</td></tr><tr><td>P</td><td>Pegged</td></tr></table>	Value	Description	1	Market	2	Limit	3	Stop	4	Stop limit	P	Pegged
Value	Description															
1	Market															
2	Limit															
3	Stop															
4	Stop limit															
P	Pegged															
44	>Price	N	PRICE	Limit price.												
151	>LeavesQty	N	QTY	Quantity open for further execution. If the Ord-Status (39) is Canceled, Expired, Calculated, or Rejected (in which case the order is no longer active) then LeavesQty could be 0, otherwise LeavesQty = OrderQty (38) - CumQty (14).												
14	>CumQty	N	QTY	Cumulated executed quantity.												
<OrderAttributeGrp>, cardinality: 0-2, record counter: NoOrderAttributes (2593)																
2594	>OrderAttributeType	N	INT	Type of order attribute. <table><tr><td>Value</td><td>Description</td></tr><tr><td>2</td><td>Liquidity Provision Activity Order</td></tr></table>	Value	Description	2	Liquidity Provision Activity Order								
Value	Description															
2	Liquidity Provision Activity Order															
2595	>OrderAttributeValue	N	CHAR	Value associated with the order attribute type specified in OrderAttributeType (2594). <table><tr><td>Value</td><td>Description</td></tr><tr><td>Y</td><td>Attribute is set.</td></tr></table>	Value	Description	Y	Attribute is set.								
Value	Description															
Y	Attribute is set.															
</OrderAttributeGrp>																
25008	>FreeText2	N	STRING (1-12)	Second free-format text field for trader-specific or customer-related comments.												
25107	>FreeText4	N	STRING (1-16)	Forth free-format text field for trader-specific or customer related comments.												

Tag	Field Name	Req'd	Data Type	Description																						
25108	>OrderIDSfx	N	INT(10)	Order identification suffix generated by the T7 system. An increase of the peak or overall quantity leads to a new timestamp, losing time priority and the assignment of a new order id suffix, whereas a reduction maintains the original timestamp and order id suffix.																						
</TrdCapRptSideGrp>																										
15	Currency	Y	CURRENCY	Currency used for price. The combination of an ISIN with a defined currency will Identify uniquely an instrument.																						
30	LastMkt	Y	EXCHANGE	Operating MIC. Market Identifier Code of the trading market according to ISO 10383.																						
31	LastPx	Y	PRICE	Price level.																						
32	LastQty	Y	QTY	Quantity executed.																						
64	SettlDate	Y	LOCALMKT-DATE	Specific date of trade settlement (Settlement-Date) in YYYYMMDD format.																						
75	TradeDate	Y	LOCALMKT-DATE	Business date in YYYYMMDD format.																						
120	SettlCurrency	Y	CURRENCY	Currency code of settlement denomination.																						
571	TradeReportID	Y	INT	Unique identifier of the Trade Capture Report.																						
574	MatchType	N	INT	The point in the matching process at which this trade was matched. <table><tr><th>Value</th><th>Description</th></tr><tr><td>3</td><td>Confirmed Trade Report</td></tr><tr><td>4</td><td>Auto Match Incoming</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</td></tr><tr><td>12</td><td>Auto match at midpoint</td></tr><tr><td>14</td><td>Continuous Auction</td></tr><tr><td>15</td><td>Retail</td></tr><tr><td>16</td><td>Broker Internalized Auction Volume Discovery</td></tr><tr><td>17</td><td>Auction Volume Discovery</td></tr></table>	Value	Description	3	Confirmed Trade Report	4	Auto Match Incoming	5	Cross Auction	7	Call Auction	11	Auto Match Resting	12	Auto match at midpoint	14	Continuous Auction	15	Retail	16	Broker Internalized Auction Volume Discovery	17	Auction Volume Discovery
Value	Description																									
3	Confirmed Trade Report																									
4	Auto Match Incoming																									
5	Cross Auction																									
7	Call Auction																									
11	Auto Match Resting																									
12	Auto match at midpoint																									
14	Continuous Auction																									
15	Retail																									
16	Broker Internalized Auction Volume Discovery																									
17	Auction Volume Discovery																									
828	TrdType	Y	INT	Identifier of the trade type. <table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Regular Trade (on-book)</td></tr><tr><td>54</td><td>OTC</td></tr><tr><td>1005</td><td>Large in scale</td></tr><tr><td>1006</td><td>Xetra/Eurex EnLight triggered trade</td></tr></table>	Value	Description	0	Regular Trade (on-book)	54	OTC	1005	Large in scale	1006	Xetra/Eurex EnLight triggered trade												
Value	Description																									
0	Regular Trade (on-book)																									
54	OTC																									
1005	Large in scale																									
1006	Xetra/Eurex EnLight triggered trade																									

Tag	Field Name	Req'd	Data Type	Description	
830	TransferReason	Y	INT	Reason trade is being transferred	
				Value	Description
				1	Owner
				2	Clearer
856	TradeReportType	Y	INT	Type of Trade Report.	
				Value	Description
				0	Submit
				7	(Locked-In) Trade Break
880	TrdMatchID	N	INT(10)	Identifier assigned to a trade by a matching system.	
1003	TradeID	Y	INT(10)	The unique ID assigned to the trade entity once it is received or matched by the exchange or central counterparty.	
1011	MessageEventSource	Y	INT	Receiver of a message.	
				Value	Description
				200	On-Book Trade Notification
				201	TES Trade Notification
1126	OrigTradeID	N	INT(10)	Used to preserve original trade id when original trade is being referenced in a subsequent trade transaction such as a transfer.	
1390	TradePublishIndicator	N	INT	Indicates if a trade should be or has been published via a market publication service.	
				Value	Description
				2	Deferred Publication
				3	Published
1724	OrderOrigination	N	INT	Direct market access identifier.	
				Value	Description
				5	Direct market access
				105	Sponsored access

Tag	Field Name	Req'd	Data Type	Description	
1815	TradingCapacity	N	INT	Trading capacity.	
				Value	Description
				1	Customer (Agency)
				3	Issuer/Liquidity Provider
				5	Principal (Proprietary)
				6	Market Maker
				9	Riskless Principal
				10	Retail Customer (Agency)
				11	Retail Market Maker
2489	PackageID	N	INT(10)	Identifier for a TES trade.	
2490	TradeNumber	N	INT	Execution Counter. Number of Trade Capture Reports belonging to the same price level (match step) of a match event. Field is used only for on-book trades.	
28610	MatchSubType	N	INT	Indicates the call auction type the trade originates from. Field is used only for on-book trades.	
				Value	Description
				1	Opening auction
				2	Closing auction
				3	Intraday auction
				4	Circuit breaker auction
				5	Trade at Close
				7	Retail Auction
28758	NegotiationID	N	INT(10)	ID of a Xetra/Eurex EnLight negotiation.	
30060	UTransactTime	Y	INT(20)	Transaction timestamp. Number of nanoseconds since Jan 1, 1970.	
9473	TransactionCostCode	N	INT	For trades out of OTC Upload only. Transaction cost indicator.	
				Value	Description
				0	No additional cost
				1	FC (Franco Courtage)
				2	FR (Franco Rechnung)
				3	AC (Abweichendes Courtage)
				4	SP (Spesen)
5	PR (Provision)				
9476	TransactionCostAmt	N	PRICE	For trades out of OTC Upload only. Transaction cost.	

Tag	Field Name	Req'd	Data Type	Description	
25160	TradePlatform	N	INT	Indicates trade platform.	
				Value	Description
				1	On-Book
483	TransBkdTime	N	INT(20)	For trades out of OTC Upload only. Time of Commencement, the time when an Off-Book trade was concluded outside the T7 System.	
<Trailer />					

8.25 Trading Action Request

The Trading Action Request is used by a Sponsored Access Provider to stop or release its dedicated Sponsored Access Unit.

Tag	Field Name	Req'd	Data Type	Description								
<Header with MsgType='U34' />												
<Parties>, cardinality: 2, record counter: NoPartyIDs (453), containing occurrences: entering_trader*, executing_unit*												
448	>PartyID	Y	STRING (1-35)	Party identifier/code.								
447	>PartyIDSource	Y	CHAR	Identifies class or source of the PartyID (448) value. Required if PartyID is specified. <table><tr><td>Value</td><td>Description</td></tr><tr><td>D</td><td>Proprietary custom code</td></tr></table>	Value	Description	D	Proprietary custom code				
Value	Description											
D	Proprietary custom code											
452	>PartyRole	Y	INT	Party Role. <table><tr><td>Value</td><td>Description</td></tr><tr><td>36</td><td>Entering trader</td></tr><tr><td>59</td><td>Executing unit</td></tr></table>	Value	Description	36	Entering trader	59	Executing unit		
Value	Description											
36	Entering trader											
59	Executing unit											
2376	>PartyRoleQualifier	N	INT	Indicates the nature of value submitted in the field PartyID (448). PartyRoleQualifier (2376) = 21 (Specialist) and 22 (Algorithm) are only possible together with PartyIDSource (447) = 'D'. PartyRoleQualifier (2376) = 24 (Natural person) is only possible together with PartyIDSource (447) = 'P'. PartyRoleQualifier (2376) = 21 (Specialist) is not allowed in request messages. <table><tr><td>Value</td><td>Description</td></tr><tr><td>21</td><td>Specialist</td></tr><tr><td>22</td><td>Algorithm</td></tr><tr><td>24</td><td>Natural person</td></tr></table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person
Value	Description											
21	Specialist											
22	Algorithm											
24	Natural person											
802	>NoPartySubIDs	N	INT	Number of PartySubIDs. Only one entry. Only in combination with PartyRole (452) = 7 (Entering firm), 12 (Executing trader) and 36 (Entering trader) possible.								
523	>PartySubID	N	STRING (1-6)	Firm or Trader Short Name, depending on the value of field PartySubIDType(803).								

Tag	Field Name	Req'd	Data Type	Description						
803	>PartySubIDType	N	INT	Type of PartySubID. <table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Firm</td></tr><tr><td>2</td><td>Person</td></tr></table>	Value	Description	1	Firm	2	Person
Value	Description									
1	Firm									
2	Person									
</Parties>										
<TargetParties>, cardinality: 1, record counter: NoTargetPartyIDs (1461), containing occurrences: target_executing_unit*										
1462	>TargetPartyID	Y	STRING	PartyID value within an target party repeating group.						
1463	>TargetParty-IDSource	Y	CHAR	PartyIDSource value within an target party repeating group. <table><tr><td>Value</td><td>Description</td></tr><tr><td>D</td><td>Proprietary custom code</td></tr></table>	Value	Description	D	Proprietary custom code		
Value	Description									
D	Proprietary custom code									
1464	>TargetPartyRole	Y	INT	PartyRole value within a target party repeating group. <table><tr><td>Value</td><td>Description</td></tr><tr><td>59</td><td>Executing unit</td></tr></table>	Value	Description	59	Executing unit		
Value	Description									
59	Executing unit									
</TargetParties>										
32328	TradingAction-RequestID	Y	STRING (1-20)	Unique identifier for the Trading Action Request.						
1533	RiskLimitPlatform	Y	INT	The area to which risk limit is applicable. Scope of Pre-Trade risk limits. <table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>On-Book</td></tr></table>	Value	Description	0	On-Book		
Value	Description									
0	On-Book									
25272	OrderDeletion-Instruction	N	INT	Instruction specifying if orders of targeted Sponsored Access Unit ID need to be deleted. Can be send only when PartyActionType is Halt_Trading(1) <table><tr><td>Value</td><td>Description</td></tr><tr><td>0</td><td>No</td></tr><tr><td>1</td><td>Yes</td></tr></table>	Value	Description	0	No	1	Yes
Value	Description									
0	No									
1	Yes									
2329	PartyActionType	Y	INT	Party Action Type. <table><tr><td>Value</td><td>Description</td></tr><tr><td>1</td><td>Halt Trading</td></tr><tr><td>2</td><td>Reinstate</td></tr></table>	Value	Description	1	Halt Trading	2	Reinstate
Value	Description									
1	Halt Trading									
2	Reinstate									
<Trailer />										

8.26 Trading Action Report

The Trading Action Report message is used as the application level response to the Trading Action Request.

Tag	Field Name	Req'd	Data Type	Description	
<Header with MsgType='U35' />					
<MatchingEngineStatusGrp>, cardinality: 0-12, record counter: NoPartitionIDs (25273)					
5948	>PartitionID	Y	INT	Grouping of T7 products.	
25005	>MatchingEngine-Status	Y	INT	Order/Quote Management service: Informs if trading is active for grouping of T7 products.	
				Value	Description
				0	Unavailable
				1	Available
</MatchingEngineStatusGrp>					
32328	TradingAction-RequestID	Y	STRING (1-20)	Unique identifier for the Trading Action Request.	
<Trailer />					

9 Occurrences

9.1 OrderAttributeGrp

This section contains all occurrences of structure "OrderAttributeGrp".

liquidity_provision_activity_order

Flag to indicate liquidity provision.

- OrderAttributeType = LIQUIDITY_PROVISION_ACTIVITY_ORDER (mandatory)
- OrderAttributeValue = ATTRIBUTE_IS_SET (mandatory)

9.2 Parties

This section contains all occurrences of structure "Parties".

clearing_firm

Clearing firm information.

- PartyID (mandatory)
- PartyRole = CLEARING_FIRM (mandatory)
- PartyIDSource = PROPRIETARYCUSTOMCODE (mandatory)

clearing_unit

Party ID Clearing Unit.

- PartyID (mandatory)
- PartyRole = CLEARING_FIRM (mandatory)
- PartyIDSource = PROPRIETARYCUSTOMCODE (mandatory)

client_id

Client Identifier (short code). Note that leading zeros will be removed.

- PartyID (mandatory)
- PartyRole = CLIENT_ID (mandatory)
- PartyIDSource = SHORT_CODE_IDENTIFIER (mandatory)

entering_firm

Entering Entity ID. PartyID 1 = Participant, 2 = Market Supervision

- PartyID (mandatory)
- PartyRole = ENTERING_FIRM (mandatory)
- PartyIDSource = PROPRIETARYCUSTOMCODE (mandatory)

entering_trader

Entering User ID.

- PartyID (mandatory)
- PartyRole = ENTERING_TRADER (mandatory)
- PartyIDSource = PROPRIETARYCUSTOMCODE (mandatory)

executing_firm

Executing firm information.

- PartyID (mandatory)
- PartyRole = EXECUTING_FIRM (mandatory)
- PartyIDSource = PROPRIETARYCUSTOMCODE (mandatory)

executing_firm_kvno

Executing firm information (Kassenverein number).

- PartyID (mandatory)
- PartyRole = EXECUTING_FIRM (mandatory)
- PartyIDSource = KASSENVEREIN_NUMBER (mandatory)

executing_system

Executing system information (1 = Clearing System, 2 = T7 Trading System).

- PartyID (mandatory)
- PartyRole = EXECUTING_SYSTEM (mandatory)
- PartyIDSource = PROPRIETARYCUSTOMCODE (mandatory)

executing_trader

Executing trader information.

- PartyID (mandatory)
- PartyRole = EXECUTING_TRADER (mandatory)
- PartyIDSource = PROPRIETARYCUSTOMCODE (mandatory)
- PartySubIDType = PERSON (optional)

executing_unit

Executing unit information.

- PartyID (mandatory)
- PartyRole = EXECUTING_UNIT (mandatory)
- PartyIDSource = PROPRIETARYCUSTOMCODE (mandatory)

execution_identifier_algo

Execution identifier algorithm. To be used mutually exclusive with 'execution_identifier_human'

- PartyID (mandatory)
- PartyRole = EXECUTING_TRADER (mandatory)
- PartyIDSource = PROPRIETARYCUSTOMCODE (mandatory)
- PartyRoleQualifier = ALGORITHM (mandatory)

execution_identifier_human

Execution identifier human. To be used mutually exclusive with 'execution_identifier_algorithm'

- PartyID (mandatory)
- PartyRole = EXECUTING_TRADER (mandatory)
- PartyIDSource = SHORT_CODE_IDENTIFIER (mandatory)
- PartyRoleQualifier = NATURAL_PERSON (mandatory)

investment_identifier_algo

Investment identifier algorithm. To be used mutually exclusive with 'investment_identifier_human'

- PartyID (mandatory)
- PartyRole = INVESTMENT_DECISION_MAKER (mandatory)
- PartyIDSource = PROPRIETARYCUSTOMCODE (mandatory)
- PartyRoleQualifier = ALGORITHM (mandatory)

investment_identifier_human

Investment identifier human. To be used mutually exclusive with 'investment_identifier_algorithm'

- PartyID (mandatory)
- PartyRole = INVESTMENT_DECISION_MAKER (mandatory)
- PartyIDSource = SHORT_CODE_IDENTIFIER (mandatory)
- PartyRoleQualifier = NATURAL_PERSON (mandatory)

session_ID

Session ID.

- PartyID (mandatory)
- PartyRole = SESSION_ID (mandatory)
- PartyIDSource = PROPRIETARYCUSTOMCODE (mandatory)

specialist_firm

Executing firm information.

- PartyID (mandatory)
- PartyRole = EXECUTING_FIRM (mandatory)
- PartyIDSource = PROPRIETARYCUSTOMCODE (mandatory)
- PartyRoleQualifier = SPECIALIST (optional)

specialist_trader

Information about the specialist trader (T7 Deutsche Boerse Frankfurt).

- PartyID (mandatory)
- PartyRole = MARKET_MAKER (mandatory)
- PartyIDSource = PROPRIETARYCUSTOMCODE (mandatory)
- PartySubIDType = PERSON (optional)
- PartyRoleQualifier = SPECIALIST (optional)

9.3 RequestingParties

This section contains all occurrences of structure "RequestingParties".

requesting_entering_firm

Requesting entering firm information.

- RequestingPartyID (mandatory)
- RequestingPartyIDSource = PROPRIETARYCUSTOMCODE (mandatory)
- RequestingPartyRole = ENTERING_FIRM (mandatory)

requesting_executing_system

Requesting executing system information.

- RequestingPartyID (mandatory)
- RequestingPartyIDSource = PROPRIETARYCUSTOMCODE (mandatory)
- RequestingPartyRole = EXECUTING_SYSTEM (mandatory)

requesting_executing_trader

Requesting executing trader information.

- RequestingPartyID (mandatory)
- RequestingPartyIDSource = PROPRIETARYCUSTOMCODE (mandatory)
- RequestingPartyRole = EXECUTING_TRADER (mandatory)

9.4 RootParties

This section contains all occurrences of structure "RootParties".

root_entering_trader

Entering User ID

- RootPartyID (mandatory)
- RootPartyIDSource = PROPRIETARYCUSTOMCODE (mandatory)
- RootPartyRole = ENTERING_TRADER (mandatory)

root_execution_venue

Execution venue (segment MIC).

- RootPartyID (mandatory)
- RootPartyIDSource = MARKET_IDENTIFIER_CODE (mandatory)
- RootPartyRole = EXECUTION_VENUE (mandatory)

9.5 TargetParties

This section contains all occurrences of structure "TargetParties".

target_executing_trader

Executing trader information.

- TargetPartyID (mandatory)
- TargetPartyRole = EXECUTING_TRADER (mandatory)
- TargetPartyIDSource = PROPRIETARYCUSTOMCODE (mandatory)

target_executing_unit

Executing unit information.

- TargetPartyID (mandatory)
- TargetPartyRole = EXECUTING_UNIT (mandatory)
- TargetPartyIDSource = PROPRIETARYCUSTOMCODE (mandatory)

target_session_ID

Session ID.

- TargetPartyID (mandatory)
- TargetPartyRole = SESSION_ID (mandatory)
- TargetPartyIDSource = PROPRIETARYCUSTOMCODE (mandatory)

9.6 TrdCapRptSideGrp

This section contains all occurrences of structure "TrdCapRptSideGrp".

Side1

Side 1 information.

- Side (mandatory)
- SideTradeReportID (mandatory)
- SideTradeID (mandatory)
- Parties (mandatory)
 - occurrences:
 - * [clearing_firm](#) (mandatory)
 - * [executing_trader](#) (mandatory)
 - * [executing_firm](#) (mandatory)
 - * [executing_unit](#) (mandatory)
 - * [executing_firm_kvno](#) (mandatory)
 - * [session_ID](#) (optional)
 - * [client_id](#) (optional)
 - * [execution_identifier_human](#) (optional)
 - * [execution_identifier_algo](#) (optional)
 - * [investment_identifier_human](#) (optional)
 - * [investment_identifier_algo](#) (optional)
 - PartyID (mandatory)
 - PartyIDSource (mandatory)
 - PartyRole (mandatory)
 - PartyRoleQualifier (optional)
 - NoPartySubIDs (optional)
 - PartySubID (optional)
 - PartySubIDType (optional)
- PartyIDClearingUnit (optional)
- PartyIDSettlementUnit (optional)
- Account (optional)
- ClrInstGrp (optional)
 - ClearingInstruction (optional)

- NumDaysInterest (optional)
- AccruedInterestAmt (optional)
- SettlCurrAmt (mandatory)
- SettlCurrFxRate (optional)
- FreeText1 (optional)
- SideGrossTradeAmt (optional)
- OrderCategory (optional)
- SideLiquidityInd (optional)
- OrderID (optional)
- OrdType (optional)
- Price (optional)
- LeavesQty (optional)
- CumQty (optional)
- OrderAttributeGrp (optional)
 - OrderAttributeType (optional)
 - OrderAttributeValue (optional)
- FreeText2 (optional)
- FreeText4 (optional)
- OrderIDSfx (optional)

Side2

Side 2: counterparty information.

- Side (mandatory)
- Parties (mandatory)
 - occurrences:
 - * [executing_firm](#) (optional)
 - * [executing_unit](#) (optional)
 - * [executing_firm_kvno](#) (mandatory)
 - * [specialist_firm](#) (optional)
 - * [specialist_trader](#) (optional)

- PartyID (mandatory)
- PartyIDSource (mandatory)
- PartyRole (mandatory)
- PartyRoleQualifier (optional)
- NoPartySubIDs (optional)
- PartySubID (optional)
- PartySubIDType (optional)

9.7 ValueChecksGrp

This section contains all occurrences of structure "ValueChecksGrp".

notional_value_check

Notional value validation.

- ValueCheckType = NOTIONAL_VALUE_CHECK (mandatory)
- ValueCheckAction (mandatory)

price_check

Price validation.

- ValueCheckType = PRICE_CHECK (mandatory)
- ValueCheckAction (mandatory)

quantity_check

Quantity validation.

- ValueCheckType = QUANTITY_CHECK (mandatory)
- ValueCheckAction (mandatory)