

# Deutsche Börse Group's T7

## FIX LF Interface

### Cash Message Reference

Release 11.0

FIX LF Version	11.0
FIX LF Subversion	C0002
Build Version	110.380.0.ga-110003080-85
Date	23 August 2022

©2022 Copyright by Deutsche Börse AG ("DBAG"). All rights reserved.

All intellectual property, proprietary and other rights and interests in this publication and the subject matter of this publication are owned by DBAG, other entities of Deutsche Börse Group or used under license from their respective owner. This includes, but is not limited to, registered designs and copyrights as well as trademark and service mark rights. Methods and devices described in this publication may be subject to patents or patent applications by entities of Deutsche Börse Group.

Specifically, the following trademarks and service marks are owned by entities of Deutsche Börse Group: 1585®; A7®; Buxl®; C7®; CDAX®; CEF®; CEF alpha®; CEF ultra®; CFF®; Classic All Share®; Clearstream®; CX®; D7®; DAX®; DAXglobal®; DAXplus®; DB1 Ventures®; DBIX Deutsche Börse India Index®, Deutsche Börse®; Deutsche Börse Capital Markets Partner®, Deutsche Börse Commodities®; Deutsche Börse Venture Network®; Deutsches Eigenkapitalforum®; DivDAX®; eb.rexx®; eb.rexxX Jumbo Pfandbriefe®; ERS®; eTriParty®; Eurex®; Eurex Bonds®; Eurex Clearing Prisma®; Eurex Improve®; Eurex Repo®; Euro GC®; ExServes®; EXTf®; F7®; FDAX®; FWB®; GC Pooling®; GCPI®; GEX®; Global Emission Markets Access – GEMA®; HDAX®; iNAV®; L-DAX®; L-MDAX®; L-SDAX®; L-TecDAX®; M7®; MDAX®; N7®; ODAX®; ÖkoDAX®; PROPRIS®; REX®; RX REIT Index®; Scale®; SCHATZ-FUTURE®; SDAX®; ShortDAX®; StatistiX®; Strategy Wizard®; T7®; TecDAX®; Technology All Share®; TRICE®; USD GC Pooling®; VDAX®; VDAX-NEW®; Vestima®; Xcreen®, Xemac®; Xentric®, Xetra®; Xetra-Gold®; Xpect®; Xpider®; XTF®; XTF Exchange Traded Funds®; We make markets work®. The following trademarks and service marks are used under license and are property of their respective owners:

- All MSCI indexes are service marks and the exclusive property of MSCI Barra.
- ATX®, CECE® and RDX® are registered trademarks of Vienna Stock Exchange AG.
- SLI®, SMI® and SMIM® are registered trademarks of SIX Swiss Exchange AG.
- The STOXX® indexes, the data included therein, and the trademarks used in the index names are the intellectual property of STOXX Limited and/or its licensors. Eurex derivatives based on the STOXX® indexes are in no way sponsored, endorsed, sold or promoted by STOXX and its licensors and neither STOXX nor its licensors shall have any liability with respect thereto.
- STOXX iSTUDIO® is a registered trademark of STOXX Ltd., Zug, Switzerland.
- "Bloomberg®" and the respective Bloomberg Commodity Indexes are service marks of Bloomberg Finance L.P. and its affiliates, including Bloomberg Index Services Limited ("BISL"), the administrator of the index (collectively, "Bloomberg") and have been licensed for use for certain purposes by Eurex.
- PCS® and Property Claim Services® are registered trademarks of ISO Services, Inc.
- Korea Exchange, KRX, KOSPI and KOSPI 200 are registered trademarks of Korea Exchange Inc.
- TRADEGATE® is a registered trademark of Tradegate AG Wertpapierhandelsbank.
- EEX® is a registered trademark of European Energy Exchange AG.
- Flexible is better.® is a registered trademark of Axioma, Inc.

The trademarks listed above do not represent a complete list. Information contained in this publication may be erroneous and/or untimely. All descriptions, examples and calculations contained in this publication are for illustrative purposes only and may be changed without further notice. Neither DBAG nor any entity of Deutsche Börse Group makes any express or implied representations or warranties regarding the information contained herein. This includes without limitation any implied warranty of the information's merchantability or fitness for any particular purpose and any warranty with respect to the accuracy, correctness, quality, completeness or timeliness of the information.

Neither DBAG nor any entity of Deutsche Börse Group shall be responsible or liable for any third party's use of any information contained in this publication under any circumstances. The information contained in this publication is not offered as and does not constitute investment advice, legal or tax advice, an offer or solicitation to sell or purchase any type of financial instrument.

## Contents

<b>1</b>	<b>List of Abbreviations</b>	<b>4</b>
<b>2</b>	<b>Introduction</b>	<b>5</b>
<b>3</b>	<b>Change Log</b>	<b>5</b>
3.1	T7 Release 11.0 - Simulation Version (FIX LF 11.0 - C0002)	5
3.2	T7 Release 11.0 - Cloud Simulation Version (FIX LF 11.0 - C0001)	5
<b>4</b>	<b>Message Formats</b>	<b>5</b>
4.1	Data Types	5
<b>5</b>	<b>Overview of Supported Message Types</b>	<b>7</b>
<b>6</b>	<b>Message Header and Trailer</b>	<b>8</b>
6.1	Header	8
6.2	Trailer	10
<b>7</b>	<b>Administrative Messages</b>	<b>11</b>
7.1	Session Logon	12
7.2	Session Logout	15
7.3	Heartbeat	16
7.4	Test Request	17
7.5	Resend Request	18
7.6	Reject	19
7.7	Sequence Reset	20
<b>8</b>	<b>Application Messages</b>	<b>21</b>
8.1	User Request	22
8.2	User Response	23
8.3	User Notification	24
8.4	New Order Single	25
8.5	Order Cancel/Replace Request	32
8.6	Order Cancel Request	38
8.7	Execution Report	41
8.8	Order Mass Action Request	51
8.9	User Order Mass Action Report	55
8.10	Business Message Acknowledgment	59
8.11	Business Message Reject	60
8.12	Security Status Definition Request	62
8.13	Security Status	66
8.14	Cross Request	67
8.15	Quote Request	69
8.16	Quote	73
8.17	Trading Session Status	75
8.18	User Party Entitlements Update Report	76
8.19	User Party Action Report	78
8.20	User Party Risk Limits Update Report	80
8.21	User Party Risk Limits Request	82
8.22	User Party Risk Limits Report	84
8.23	Session Details List	86
8.24	Trade Capture Report	87
<b>9</b>	<b>Occurrences</b>	<b>96</b>
9.1	OrderAttributeGrp	96
9.2	Parties	97

9.3 RequestingParties . . . . . 101  
9.4 RootParties . . . . . 102  
9.5 TargetParties . . . . . 103  
9.6 TrdCapRptSideGrp . . . . . 104  
9.7 ValueChecksGrp . . . . . 107

## Contents

### 1 List of Abbreviations

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

<b>FIX</b>	Financial Information eXchange
<b>TCP/IP</b>	Transmission Control Protocol / Internet Protocol
<b>TES</b>	T7 Entry Service
<b>GUI</b>	Graphical User Interface

## 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 11.0 - Simulation Version (FIX LF 11.0 - C0002)

Changes to the T7 Release 11.0 – Cloud Simulation Version:

- no change

### 3.2 T7 Release 11.0 - Cloud Simulation Version (FIX LF 11.0 - C0001)

Changes to the T7 Release 10.1 - Production Version:

- added messages [UserPartyRiskLimitsReport](#) (UCM), [UserPartyRiskLimitsRequest](#) (UCL)

## 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.
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[.sssss] 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: 11.0
- Build Number: 110.380.0.ga-110003080-85



## 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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>FIX.4.4</td> <td>VERSION 44</td> </tr> </tbody> </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 CheckSum 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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>N</td> <td>Original transmission</td> </tr> <tr> <td>Y</td> <td>Possible duplicate</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>N</td> <td>Original transmission</td> </tr> <tr> <td>Y</td> <td>Possible Resend</td> </tr> </tbody> </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
U28	Business Message Ack
R	Quote Request
S	Quote

## 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						
<i>&lt;Header with MsgType='A' /&gt;</i>										
98	EncryptMethod	Y	INT	Method of encryption. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>None/other</td> </tr> </tbody> </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 characters 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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>N</td> <td>No</td> </tr> <tr> <td>Y</td> <td>Yes, reset Sequence numbers</td> </tr> </tbody> </table>	Value	Description	N	No	Y	Yes, reset Sequence numbers
Value	Description									
N	No									
Y	Yes, reset Sequence numbers									
1600	FIXEngineName	N	STRING (1-30)	Provides the name of the infrastructure component being used for session level communication. Normally this would be the FIX Engine or FIX Gateway product name. This field is required in the messages sent to the FIX Gateway.						
1601	FIXEngineVersion	N	STRING (1-30)	Provides the version of the infrastructure component. This field is required in the messages sent to the FIX Gateway.						
1602	FIXEngineVendor	N	STRING (1-30)	Provides the name of the vendor providing the infrastructure component. This field is required in the messages sent to the FIX Gateway.						
1603	ApplicationSystem-Name	N	STRING (1-30)	Provides the name of the application system being used to generate FIX application messages. This will normally be a trading system, OMS, or EMS. This field is required in the messages sent to the FIX Gateway.						

Tag	Field Name	Req'd	Data Type	Description												
1604	ApplicationSystem-Version	N	STRING (1-30)	Provides the version of the application system being used to initiate FIX application messages. This field is required in the messages sent to the FIX Gateway.												
1605	ApplicationSystem-Vendor	N	STRING (1-30)	Provides the vendor of the application system. This field is required in the messages sent to the FIX Gateway.												
1408	DefaultCstmAppVer-ID	Y	STRING (1-30)	FIX LF version as documented in the section 5 Overview of Supported Message Types												
28763	DefaultCstmAppVer-SubID	N	STRING (1-5)	Interface subversion. Identifies interface changes within one T7 release. Response only. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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															
339	TradSesMode	N	INT	Trading Session Mode. Response only. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Development</td> </tr> <tr> <td>2</td> <td>Simulation</td> </tr> <tr> <td>3</td> <td>Production</td> </tr> <tr> <td>4</td> <td>Acceptance</td> </tr> <tr> <td>5</td> <td>Disaster Recovery</td> </tr> </tbody> </table>	Value	Description	1	Development	2	Simulation	3	Production	4	Acceptance	5	Disaster Recovery
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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Reject if throttle limit exceeded</td> </tr> <tr> <td>1</td> <td>Queue if throttle limit exceeded (queuing time limited)</td> </tr> <tr> <td>2</td> <td>Queue if throttle limit exceeded (queuing time unlimited)</td> </tr> </tbody> </table>	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)				
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	ThrottleMaxQueue-Time	N	INT	Maximum queuing time of requests in milliseconds. Value must be > 0, if ThrottleInst = 1, otherwise field must not be set.												

---

Deutsche Börse Group's T7 Release 11.0  
FIX LF Interface  
Cash Message Reference

---

---

Deutsche Börse Group

---

Build 110.380.0.ga-110003080-85

---

Tag	Field Name	Req'd	Data Type	Description
<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						
<i>&lt;Header with MsgType='5' /&gt;</i>										
58	Text	N	STRING (1-128)	Free format text string.						
1409	SessionStatus	N	INT	Session status. <table border="1" data-bbox="868 707 1394 835"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Session logout complete</td> </tr> <tr> <td>5</td> <td>Invalid user name or password</td> </tr> </tbody> </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									
<i>&lt;Trailer /&gt;</i>										



### 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
<i>&lt;Header with MsgType='0' /&gt;</i>				
112	TestReqID	N	STRING	Identifier included in Test Request message to be returned in resulting Heartbeat.
<i>&lt;Trailer /&gt;</i>				

## 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 MsgType='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
<i>&lt;Header with MsgType='2' /&gt;</i>				
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.
<i>&lt;Trailer /&gt;</i>				

## 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 border="1" data-bbox="869 952 1396 1915"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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>ComplID 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> </tbody> </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	ComplID 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	ComplID 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						
<i>&lt;Header with MsgType='4' /&gt;</i>										
123	GapFillFlag	N	BOOLEAN	Indicates that the Sequence Reset message is replacing administrative or application messages which will not be resent. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>N</td> <td>Sequence Reset, Ignore Msg Seq Num</td> </tr> <tr> <td>Y</td> <td>Gap Fill Message, Msg Seq Num Field Valid</td> </tr> </tbody> </table>	Value	Description	N	Sequence Reset, Ignore Msg Seq Num	Y	Gap Fill Message, Msg Seq Num Field Valid
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.						
<i>&lt;Trailer /&gt;</i>										

## 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

## 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						
<i>&lt;Header with MsgType='BE' /&gt;</i>										
553	Username	Y	INT	User ID						
554	Password	N	STRING	Password. Valid characters 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 border="1" data-bbox="868 837 1394 965"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Log on user</td> </tr> <tr> <td>2</td> <td>Log off user</td> </tr> </tbody> </table>	Value	Description	1	Log on user	2	Log off user
Value	Description									
1	Log on user									
2	Log off user									
<i>&lt;Trailer /&gt;</i>										

## 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.	
				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								
<i>&lt;Header with MsgType='UCB' /&gt;</i>												
<i>&lt;UsernameGrp&gt;, cardinality: unrestricted, record counter: NoUsernames (809)</i>												
553	>Username	Y	INT	User ID								
<i>&lt;/UsernameGrp&gt;</i>												
58	Text	N	STRING (1-128)	Free format text string.								
926	UserStatus	Y	INT	Indicates the status of a user. <table border="1" data-bbox="868 831 1390 1003"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>7</td> <td>Forced user logout by exchange</td> </tr> <tr> <td>10</td> <td>User stopped</td> </tr> <tr> <td>11</td> <td>User released</td> </tr> </tbody> </table>	Value	Description	7	Forced user logout by exchange	10	User stopped	11	User released
Value	Description											
7	Forced user logout by exchange											
10	User stopped											
11	User released											
<i>&lt;Trailer /&gt;</i>												

## 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										
<i>&lt;Header with MsgType='D' /&gt;</i>														
<i>&lt;Parties&gt;, 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</i>														
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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>D</td> <td>Proprietary custom code</td> </tr> <tr> <td>P</td> <td>Short code identifier</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>Client ID</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> </tbody> </table>	Value	Description	3	Client ID	12	Executing trader	36	Entering trader	122	Investment decision maker
Value	Description													
3	Client ID													
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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person		
Value	Description													
21	Specialist													
22	Algorithm													
24	Natural person													
802	>NoPartySubIDs	N	NUMINGROUP	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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Firm</td> </tr> <tr> <td>2</td> <td>Person</td> </tr> </tbody> </table>	Value	Description	1	Firm	2	Person						
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 <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>M</td> <td>Marketplace-assigned identifier</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>ISIN</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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				
<i>&lt;/Instrument&gt;</i>					
<i>&lt;TrdgSesGrp&gt;, cardinality: 0-1, record counter: NoTradingSessions (386)</i>					
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				
<i>&lt;/TrdgSesGrp&gt;</i>					
<i>&lt;PegInstructions&gt;</i>		N			
211	PegOffsetValue	N	PRICE	Amount (signed) added to the peg for a pegged order in the context of the PegOffsetType (836).	

Tag	Field Name	Req'd	Data Type	Description						
836	PegOffsetType	N	INT	Type of Peg Offset value. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Price</td> </tr> <tr> <td>4</td> <td>Percentage</td> </tr> </tbody> </table>	Value	Description	0	Price	4	Percentage
Value	Description									
0	Price									
4	Percentage									
<i>&lt;/PegInstructions&gt;</i>										
<i>&lt;MtchgInst&gt;, cardinality: 0-1, record counter: NoMatchInst (1624)</i>										
1625	>MatchInst	Y	INT	Matching Instruction for the order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>Do not match</td> </tr> </tbody> </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.						
<i>&lt;/MtchgInst&gt;</i>										
<i>&lt;DisplayInstruction&gt;</i>		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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Initial</td> </tr> <tr> <td>3</td> <td>Random</td> </tr> </tbody> </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".						
<i>&lt;/DisplayInstruction&gt;</i>										
<i>&lt;OrderAttributeGrp&gt;, cardinality: 0-1, record counter: NoOrderAttributes (2593), containing occurrences: liquidity_provision_activity_order</i>										
2594	>OrderAttributeType	N	INT	Type of order attribute. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>Liquidity Provision Activity Order</td> </tr> </tbody> </table>	Value	Description	2	Liquidity Provision Activity Order		
Value	Description									
2	Liquidity Provision Activity Order									

Tag	Field Name	Req'd	Data Type	Description								
2595	>OrderAttributeValue	N	CHAR	Value associated with the order attribute type specified in OrderAttributeType (2594). <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Y</td> <td>Attribute is set.</td> </tr> </tbody> </table>	Value	Description	Y	Attribute is set.				
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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Price check</td> </tr> <tr> <td>2</td> <td>Notional value check</td> </tr> <tr> <td>3</td> <td>Quantity check</td> </tr> </tbody> </table>	Value	Description	1	Price check	2	Notional value check	3	Quantity check
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). <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Do not check</td> </tr> <tr> <td>1</td> <td>Check</td> </tr> </tbody> </table>	Value	Description	0	Do not check	1	Check		
Value	Description											
0	Do not check											
1	Check											
</ValueChecksGrp>												
11	CIOrdID	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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>a</td> <td>Trailing Stop Peg</td> </tr> <tr> <td>6</td> <td>Participate don't initiate (Book or cancel)</td> </tr> </tbody> </table>	Value	Description	a	Trailing Stop Peg	6	Participate don't initiate (Book or cancel)		
Value	Description											
a	Trailing Stop Peg											
6	Participate don't initiate (Book or cancel)											
38	OrderQty	Y	QTY	Total Order Quantity.								

Tag	Field Name	Req'd	Data Type	Description														
40	OrdType	Y	CHAR	Order type. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Market</td> </tr> <tr> <td>2</td> <td>Limit</td> </tr> <tr> <td>3</td> <td>Stop</td> </tr> <tr> <td>4</td> <td>Stop limit</td> </tr> <tr> <td>P</td> <td>Pegged</td> </tr> </tbody> </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.														
54	Side	Y	CHAR	Side <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Buy</td> </tr> <tr> <td>2</td> <td>Sell</td> </tr> </tbody> </table>	Value	Description	1	Buy	2	Sell								
Value	Description																	
1	Buy																	
2	Sell																	
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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Day</td> </tr> <tr> <td>1</td> <td>Good till Cancel</td> </tr> <tr> <td>3</td> <td>Immediate or Cancel</td> </tr> <tr> <td>4</td> <td>Fill or Kill</td> </tr> <tr> <td>5</td> <td>Good till Crossing</td> </tr> <tr> <td>6</td> <td>Good till Date</td> </tr> </tbody> </table>	Value	Description	0	Day	1	Good till Cancel	3	Immediate or Cancel	4	Fill or Kill	5	Good till Crossing	6	Good till Date
Value	Description																	
0	Day																	
1	Good till Cancel																	
3	Immediate or Cancel																	
4	Fill or Kill																	
5	Good till Crossing																	
6	Good till Date																	
99	StopPx	N	PRICE	Stop price.														
117	QuoteID	N	INT(20)	Unique identifier for quote.														
432	ExpireDate	N	LOCALMKT-DATE	Date of order expiration.														
1724	OrderOrigination	N	INT	Direct market access identifier. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>Direct market access</td> </tr> </tbody> </table>	Value	Description	5	Direct market access										
Value	Description																	
5	Direct market access																	
1815	TradingCapacity	Y	INT	Trading capacity. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Customer (Agency)</td> </tr> <tr> <td>5</td> <td>Principal (Proprietary)</td> </tr> <tr> <td>6</td> <td>Market Maker</td> </tr> <tr> <td>9</td> <td>Riskless Principal</td> </tr> </tbody> </table>	Value	Description	1	Customer (Agency)	5	Principal (Proprietary)	6	Market Maker	9	Riskless Principal				
Value	Description																	
1	Customer (Agency)																	
5	Principal (Proprietary)																	
6	Market Maker																	
9	Riskless Principal																	

Tag	Field Name	Req'd	Data Type	Description						
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.						
25125	VolumeDiscoveryPrice	N	PRICE	Indicates the second limit price of a volume discovery order.						
30625	TradeAtCloseOptIn	N	BOOLEAN	Indicates whether this order is eligible for Trade at Close match. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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									
<i>&lt;Trailer /&gt;</i>										



## 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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>D</td> <td>Proprietary custom code</td> </tr> <tr> <td>P</td> <td>Short code identifier</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>Client ID</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> </tbody> </table>	Value	Description	3	Client ID	12	Executing trader	36	Entering trader	122	Investment decision maker
Value	Description													
3	Client ID													
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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person		
Value	Description													
21	Specialist													
22	Algorithm													
24	Natural person													
802	>NoPartySubIDs	N	NUMINGROUP	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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Firm</td> </tr> <tr> <td>2</td> <td>Person</td> </tr> </tbody> </table>	Value	Description	1	Firm	2	Person						
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 <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>M</td> <td>Marketplace-assigned identifier</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>ISIN</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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				
<i>&lt;/Instrument&gt;</i>					
<i>&lt;TrdgSesGrp&gt;, cardinality: 0-1, record counter: NoTradingSessions (386)</i>					
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				
<i>&lt;/TrdgSesGrp&gt;</i>					
<i>&lt;PegInstructions&gt;</i>		N			
211	PegOffsetValue	N	PRICE	Amount (signed) added to the peg for a pegged order in the context of the PegOffsetType (836).	

Tag	Field Name	Req'd	Data Type	Description						
836	PegOffsetType	N	INT	Type of Peg Offset value. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Price</td> </tr> <tr> <td>4</td> <td>Percentage</td> </tr> </tbody> </table>	Value	Description	0	Price	4	Percentage
Value	Description									
0	Price									
4	Percentage									
<i>&lt;/PegInstructions&gt;</i>										
<i>&lt;MtchgInst&gt;, cardinality: 0-1, record counter: NoMatchInst (1624)</i>										
1625	>MatchInst	Y	INT	Matching Instruction for the order. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>Do not match</td> </tr> </tbody> </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.						
<i>&lt;/MtchgInst&gt;</i>										
<i>&lt;DisplayInstruction&gt;</i>		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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Initial</td> </tr> <tr> <td>3</td> <td>Random</td> </tr> </tbody> </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".						
<i>&lt;/DisplayInstruction&gt;</i>										
<i>&lt;OrderAttributeGrp&gt;, cardinality: 0-1, record counter: NoOrderAttributes (2593), containing occurrences: liquidity_provision_activity_order</i>										
2594	>OrderAttributeType	N	INT	Type of order attribute. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>Liquidity Provision Activity Order</td> </tr> </tbody> </table>	Value	Description	2	Liquidity Provision Activity Order		
Value	Description									
2	Liquidity Provision Activity Order									

Tag	Field Name	Req'd	Data Type	Description												
2595	>OrderAttributeValue	N	CHAR	Value associated with the order attribute type specified in OrderAttributeType (2594). <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Y</td> <td>Attribute is set.</td> </tr> </tbody> </table>	Value	Description	Y	Attribute is set.								
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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Price check</td> </tr> <tr> <td>2</td> <td>Notional value check</td> </tr> <tr> <td>3</td> <td>Quantity check</td> </tr> </tbody> </table>	Value	Description	1	Price check	2	Notional value check	3	Quantity check				
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). <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Do not check</td> </tr> <tr> <td>1</td> <td>Check</td> </tr> </tbody> </table>	Value	Description	0	Do not check	1	Check						
Value	Description															
0	Do not check															
1	Check															
</ValueChecksGrp>																
11	CIOrdID	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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>a</td> <td>Trailing Stop Peg</td> </tr> <tr> <td>6</td> <td>Participate don't initiate (Book or cancel)</td> </tr> </tbody> </table>	Value	Description	a	Trailing Stop Peg	6	Participate don't initiate (Book or cancel)						
Value	Description															
a	Trailing Stop Peg															
6	Participate don't initiate (Book or cancel)															
38	OrderQty	Y	QTY	Total Order Quantity.												
40	OrdType	Y	CHAR	Order type. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Market</td> </tr> <tr> <td>2</td> <td>Limit</td> </tr> <tr> <td>3</td> <td>Stop</td> </tr> <tr> <td>4</td> <td>Stop limit</td> </tr> <tr> <td>P</td> <td>Pegged</td> </tr> </tbody> </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															

Tag	Field Name	Req'd	Data Type	Description														
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 <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Buy</td> </tr> <tr> <td>2</td> <td>Sell</td> </tr> </tbody> </table>	Value	Description	1	Buy	2	Sell								
Value	Description																	
1	Buy																	
2	Sell																	
25007	FreeText1	N	STRING (1-12)	First free-format text field for trader-specific or customer-related comments.														
59	TimelnForce	N	CHAR	Execution and trading restriction parameters. Will be defaulted to "0" (Day) if missing. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Day</td> </tr> <tr> <td>1</td> <td>Good till Cancel</td> </tr> <tr> <td>3</td> <td>Immediate or Cancel</td> </tr> <tr> <td>4</td> <td>Fill or Kill</td> </tr> <tr> <td>5</td> <td>Good till Crossing</td> </tr> <tr> <td>6</td> <td>Good till Date</td> </tr> </tbody> </table>	Value	Description	0	Day	1	Good till Cancel	3	Immediate or Cancel	4	Fill or Kill	5	Good till Crossing	6	Good till Date
Value	Description																	
0	Day																	
1	Good till Cancel																	
3	Immediate or Cancel																	
4	Fill or Kill																	
5	Good till Crossing																	
6	Good till Date																	
99	StopPx	N	PRICE	Stop price.														
432	ExpireDate	N	LOCALMKT-DATE	Date of order expiration.														
1724	OrderOrigination	N	INT	Direct market access identifier. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>Direct market access</td> </tr> </tbody> </table>	Value	Description	5	Direct market access										
Value	Description																	
5	Direct market access																	
1815	TradingCapacity	Y	INT	Trading capacity. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Customer (Agency)</td> </tr> <tr> <td>5</td> <td>Principal (Proprietary)</td> </tr> <tr> <td>6</td> <td>Market Maker</td> </tr> <tr> <td>9</td> <td>Riskless Principal</td> </tr> </tbody> </table>	Value	Description	1	Customer (Agency)	5	Principal (Proprietary)	6	Market Maker	9	Riskless Principal				
Value	Description																	
1	Customer (Agency)																	
5	Principal (Proprietary)																	
6	Market Maker																	
9	Riskless Principal																	
25008	FreeText2	N	STRING (1-12)	Second free-format text field for trader-specific or customer-related comments.														
25107	FreeText4	N	STRING (1-16)	Fourth free-format text field for trader-specific or customer related comments.														
25125	VolumeDiscoveryPrice	N	PRICE	Indicates the second limit price of a volume discovery order.														
<i>&lt;Trailer /&gt;</i>																		

## 8.6 Order Cancel Request

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

Tag	Field Name	Req'd	Data Type	Description								
<i>&lt;Header with MsgType='F' /&gt;</i>												
<i>&lt;Parties&gt;, cardinality: 1-5, record counter: NoPartyIDs (453), containing occurrences: entering_trader*, execution_identifier_human, execution_identifier_algo, investment_identifier_human, investment_identifier_algo</i>												
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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>D</td> <td>Proprietary custom code</td> </tr> <tr> <td>P</td> <td>Short code identifier</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person
Value	Description											
21	Specialist											
22	Algorithm											
24	Natural person											
802	>NoPartySubIDs	N	NUMINGROUP	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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Firm</td> </tr> <tr> <td>2</td> <td>Person</td> </tr> </tbody> </table>	Value	Description	1	Firm	2	Person						
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 <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>M</td> <td>Marketplace-assigned identifier</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>ISIN</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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				
<i>&lt;/Instrument&gt;</i>					
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				
<i>&lt;Trailer /&gt;</i>					

## 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												
<i>&lt;Header with MsgType='8' /&gt;</i>																
<i>&lt;Parties&gt;, cardinality: 0-5, record counter: NoPartyIDs (453), containing occurrences: entering_firm, entering_trader, executing_trader, executing_unit, session_ID</i>																
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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>D</td> <td>Proprietary custom code</td> </tr> </tbody> </table>	Value	Description	D	Proprietary custom code								
Value	Description															
D	Proprietary custom code															
452	>PartyRole	Y	INT	Party Role. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person				
Value	Description															
21	Specialist															
22	Algorithm															
24	Natural person															
802	>NoPartySubIDs	N	NUMINGROUP	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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Firm</td> </tr> <tr> <td>2</td> <td>Person</td> </tr> </tbody> </table>	Value	Description	1	Firm	2	Person						
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 <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>M</td> <td>Marketplace-assigned identifier</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>ISIN</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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				
<i>&lt;/Instrument&gt;</i>					
<i>&lt;PegInstructions&gt;</i>		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				
<i>&lt;/PegInstructions&gt;</i>					
<i>&lt;MtchglInst&gt;, cardinality: 0-1, record counter: NoMatchInst (1624)</i>					
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.	
<i>&lt;/MtchglInst&gt;</i>					
<i>&lt;DisplayInstruction&gt;</i>		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	<p>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)).</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Initial</td> </tr> <tr> <td>3</td> <td>Random</td> </tr> </tbody> </table>	Value	Description	1	Initial	3	Random		
Value	Description											
1	Initial											
3	Random											
1085	DisplayLowQty	N	QTY	<p>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".</p>								
1086	DisplayHighQty	N	QTY	<p>Defines the upper quantity limit to a randomized refresh of displayed quantity. Required if DisplayMethod (1084) = "3".</p>								
</DisplayInstruction>												
<OrderEventGrp>, cardinality: 0-1, record counter: NoOrderEvents (1795)												
1796	>OrderEventType	N	INT	<p>Information about the status of pending transactions after locked stock (T7 Boerse Frankfurt).</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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	CIOrdID	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.	
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				
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.	

Tag	Field Name	Req'd	Data Type	Description	
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	TimelnForce	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
				5	Good till Crossing
6	Good till Date				
99	StopPx	N	PRICE	Stop price.	
150	ExecType	Y	CHAR	Describes the specific ExecutionRpt while Ord-Status (39) will always identify the current order status.	
				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).	

Tag	Field Name	Req'd	Data Type	Description	
336	TradingSessionID	N	INT	Identifier for trading session.	
				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.	
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 (VDO)
14	Continuous Auction				
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				



Tag	Field Name	Req'd	Data Type	Description														
851	LastLiquidityInd	N	INT	<p>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.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Add Liquidity</td> </tr> <tr> <td>2</td> <td>Removed Liquidity</td> </tr> <tr> <td>4</td> <td>Auction (neither passive nor aggressive, includes VDO matching at midpoint)</td> </tr> <tr> <td>5</td> <td>Triggered Stop Order</td> </tr> <tr> <td>6</td> <td>Triggered One-cancels-the-other Order</td> </tr> <tr> <td>7</td> <td>Triggered Market Order</td> </tr> </tbody> </table>	Value	Description	1	Add Liquidity	2	Removed Liquidity	4	Auction (neither passive nor aggressive, includes VDO matching at midpoint)	5	Triggered Stop Order	6	Triggered One-cancels-the-other Order	7	Triggered Market Order
Value	Description																	
1	Add Liquidity																	
2	Removed Liquidity																	
4	Auction (neither passive nor aggressive, includes VDO matching at midpoint)																	
5	Triggered Stop Order																	
6	Triggered One-cancels-the-other Order																	
7	Triggered Market Order																	
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	<p>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)).</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>QuoteID (117)</td> </tr> </tbody> </table>	Value	Description	5	QuoteID (117)										
Value	Description																	
5	QuoteID (117)																	
1815	TradingCapacity	N	INT	<p>Trading capacity.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Customer (Agency)</td> </tr> <tr> <td>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> </tbody> </table>	Value	Description	1	Customer (Agency)	3	Issuer/Liquidity Provider	5	Principal (Proprietary)	6	Market Maker	9	Riskless Principal		
Value	Description																	
1	Customer (Agency)																	
3	Issuer/Liquidity Provider																	
5	Principal (Proprietary)																	
6	Market Maker																	
9	Riskless Principal																	
2523	CrossedIndicator	N	INT	<p>Indicator will be delivered in case of deletion or modification due to Self Match Prevention.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Cross rejected</td> </tr> </tbody> </table>	Value	Description	1	Cross rejected										
Value	Description																	
1	Cross rejected																	

Tag	Field Name	Req'd	Data Type	Description						
1823	Triggered	N	INT	Indicates if an order has been previously triggered. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Not triggered (Default)</td> </tr> <tr> <td>1</td> <td>Triggered</td> </tr> </tbody> </table>	Value	Description	0	Not triggered (Default)	1	Triggered
Value	Description									
0	Not triggered (Default)									
1	Triggered									
25008	FreeText2	N	STRING (1-12)	Second free-format text field for trader-specific or customer-related comments.						
25107	FreeText4	N	STRING (1-16)	Fourth free-format text field for trader-specific or customer related comments.						
25125	VolumeDiscoveryPrice	N	PRICE	Indicates the second limit price of a volume discovery order.						
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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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	OAO Order activated
152	OAO 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
212	Book Or Cancel Order Canceled
213	Trailing Stop Update
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								
<i>&lt;Header with MsgType='UCA' /&gt;</i>												
<i>&lt;Parties&gt;, cardinality: 1-5, record counter: NoPartyIDs (453), containing occurrences: entering_trader*, execution_identifier_human, execution_identifier_algo, investment_identifier_human, investment_identifier_algo</i>												
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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>D</td> <td>Proprietary custom code</td> </tr> <tr> <td>P</td> <td>Short code identifier</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person
Value	Description											
21	Specialist											
22	Algorithm											
24	Natural person											
802	>NoPartySubIDs	N	NUMINGROUP	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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Firm</td> </tr> <tr> <td>2</td> <td>Person</td> </tr> </tbody> </table>	Value	Description	1	Firm	2	Person
Value	Description									
1	Firm									
2	Person									
<i>&lt;/Parties&gt;</i>										
<i>&lt;TargetParties&gt;, cardinality: 0-2, record counter: NoTargetPartyIDs (1461), containing occurrences: target_executing_trader, target_session_ID</i>										
1462	>TargetPartyID	Y	INT	PartyID value within an target party repeating group.						
1463	>TargetParty- IDSource	Y	CHAR	PartyIDSource value within an target party repeating group. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>D</td> <td>Proprietary custom code</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>Executing trader</td> </tr> <tr> <td>55</td> <td>Session ID</td> </tr> </tbody> </table>	Value	Description	12	Executing trader	55	Session ID
Value	Description									
12	Executing trader									
55	Session ID									
<i>&lt;/TargetParties&gt;</i>										
<i>&lt;Instrument&gt;</i>		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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>M</td> <td>Marketplace-assigned identifier</td> </tr> </tbody> </table>	Value	Description	M	Marketplace-assigned identifier		
Value	Description									
M	Marketplace-assigned identifier									
<i>&lt;SecurityAltIDGrp&gt;, cardinality: 0-1, record counter: NoSecurityAltID (454)</i>										
455	>SecurityAltID	Y	STRING (12)	Security identifier as ISIN						
456	>SecurityAltIDSource	Y	STRING (1)	Source of the SecurityAltID (455). Only ISIN is allowed. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>ISIN</td> </tr> </tbody> </table>	Value	Description	4	ISIN		
Value	Description									
4	ISIN									
<i>&lt;/SecurityAltIDGrp&gt;</i>										

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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>No</td> </tr> <tr> <td>1</td> <td>Yes</td> </tr> </tbody> </table>	Value	Description	0	No	1	Yes										
Value	Description																			
0	No																			
1	Yes																			
<i>&lt;/Instrument&gt;</i>																				
11	CIOrdID	Y	STRING (1-20)	Unique customer defined order request identifier																
1374	MassActionScope	Y	INT	Specifies the session scope of Order Mass Action Request. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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 border="1" data-bbox="869 582 1396 712"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Buy</td> </tr> <tr> <td>2</td> <td>Sell</td> </tr> </tbody> </table>	Value	Description	1	Buy	2	Sell
Value	Description									
1	Buy									
2	Sell									
1724	OrderOrigination	N	INT	Direct market access identifier. <table border="1" data-bbox="869 784 1396 869"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>Direct market access</td> </tr> </tbody> </table>	Value	Description	5	Direct market access		
Value	Description									
5	Direct market access									
<i>&lt;Trailer /&gt;</i>										

## 8.9 User Order Mass Action Report

This message informs about mass cancellation events.

Tag	Field Name	Req'd	Data Type	Description												
<i>&lt;Header with MsgType='UBZ' /&gt;</i>																
<i>&lt;Instrument&gt;</i>		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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>M</td> <td>Marketplace-assigned identifier</td> </tr> </tbody> </table>	Value	Description	M	Marketplace-assigned identifier								
Value	Description															
M	Marketplace-assigned identifier															
<i>&lt;SecurityAltIDGrp&gt;, cardinality: 0-1, record counter: NoSecurityAltID (454)</i>																
455	>SecurityAltID	Y	STRING (12)	Security identifier as ISIN												
456	>SecurityAltIDSource	Y	STRING (1)	Source of the SecurityAltID (455). Only ISIN is allowed. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>ISIN</td> </tr> </tbody> </table>	Value	Description	4	ISIN								
Value	Description															
4	ISIN															
<i>&lt;/SecurityAltIDGrp&gt;</i>																
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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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
<i>&lt;/Instrument&gt;</i>					
<i>&lt;Parties&gt;, cardinality: 0-4, record counter: NoPartyIDs (453), containing occurrences: entering_trader, entering_firm, executing_trader, session_ID</i>					
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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person
Value	Description											
21	Specialist											
22	Algorithm											
24	Natural person											
802	>NoPartySubIDs	N	NUMINGROUP	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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Firm</td> </tr> <tr> <td>2</td> <td>Person</td> </tr> </tbody> </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	
				Value	Description
				1	Buy
				2	Sell
44	Price	N	PRICE	Limit price.	
30018	UExeclnst	N	MULTIPLE- VALUESTRING	Reason for mass cancellation.	
				Value	Description
				H	Reinstate on trading system failure (persistent)
				Q	Cancel on trading system failure (non-persistent)
1369	MassActionReportID	Y	INT(20)	Transaction timestamp.	
28721	MassActionReason	Y	INT	Reason for mass cancellation.	
				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
118	Instrument Knock Out has been re-verted				
<i>&lt;Trailer /&gt;</i>					

## 8.10 Business Message Acknowledgment

This message confirms the successful processing of the referenced message.

Tag	Field Name	Req'd	Data Type	Description
<i>&lt;Header with MsgType='U28' /&gt;</i>				
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.
<i>&lt;Trailer /&gt;</i>				

## 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
<i>&lt;Header with MsgType='j' /&gt;</i>				
45	RefSeqNum	Y	SEQNUM	Reference message Sequence number.
58	Text	N	STRING (1-128)	Free format text string.
372	RefMsgType	Y	STRING	The MsgType (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.
<i>&lt;Trailer /&gt;</i>				

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 (COrdID)
10003	another quote activation request is pending for the same Product / Instrument Type / SessionID
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

## 8.12 Security Status Definition Request

The Security Status Definition Request is used to send knockout and soldout requests (T7 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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>D</td> <td>Proprietary custom code</td> </tr> </tbody> </table>	Value	Description	D	Proprietary custom code				
Value	Description											
D	Proprietary custom code											
452	>PartyRole	Y	INT	Party Role. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>36</td> <td>Entering trader</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person
Value	Description											
21	Specialist											
22	Algorithm											
24	Natural person											
802	>NoPartySubIDs	N	NUMINGROUP	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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Firm</td> </tr> <tr> <td>2</td> <td>Person</td> </tr> </tbody> </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 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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>M</td> <td>Marketplace-assigned identifier</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>ISIN</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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
<i>&lt;/Instrument&gt;</i>					
<i>&lt;EvtGrp&gt;, cardinality: unrestricted, record counter: NoEvents (864)</i>					
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.	
<i>&lt;/EvtGrp&gt;</i>					
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

Tag	Field Name	Req'd	Data Type	Description						
25155	SoldOutIndicator	N	INT	Sold out indicator. <table border="1"><thead><tr><th>Value</th><th>Description</th></tr></thead><tbody><tr><td>0</td><td>Revert sold out</td></tr><tr><td>1</td><td>Sold out</td></tr></tbody></table>	Value	Description	0	Revert sold out	1	Sold out
Value	Description									
0	Revert sold out									
1	Sold out									
<i>&lt;Trailer /&gt;</i>										

## 8.13 Security Status

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

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

## 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				
<i>&lt;Header with MsgType='UDS' /&gt;</i>								
<i>&lt;RootParties&gt;, cardinality: 1, record counter: NoRootPartyIDs (1116), containing occurrences: root_entering_trader</i>								
1117	>RootPartyID	Y	STRING (1-10)	Root party identifier.				
1118	>RootPartyIDSource	Y	CHAR	Identifies class or source of the RootPartyID (1117) value. <table border="1"> <tr> <th>Value</th> <th>Description</th> </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 border="1"> <tr> <th>Value</th> <th>Description</th> </tr> <tr> <td>36</td> <td>Entering trader</td> </tr> </table>	Value	Description	36	Entering trader
Value	Description							
36	Entering trader							
<i>&lt;/RootParties&gt;</i>								
<i>&lt;Instrument&gt;</i>		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 border="1"> <tr> <th>Value</th> <th>Description</th> </tr> <tr> <td>M</td> <td>Marketplace-assigned identifier</td> </tr> </table>	Value	Description	M	Marketplace-assigned identifier
Value	Description							
M	Marketplace-assigned identifier							
<i>&lt;SecurityAltIDGrp&gt;, cardinality: 0-1, record counter: NoSecurityAltID (454)</i>								
455	>SecurityAltID	Y	STRING (12)	Security identifier as ISIN				
456	>SecurityAltIDSource	Y	STRING (1)	Source of the SecurityAltID (455). Only ISIN is allowed. <table border="1"> <tr> <th>Value</th> <th>Description</th> </tr> <tr> <td>4</td> <td>ISIN</td> </tr> </table>	Value	Description	4	ISIN
Value	Description							
4	ISIN							
<i>&lt;/SecurityAltIDGrp&gt;</i>								
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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>No</td> </tr> <tr> <td>1</td> <td>Yes</td> </tr> </tbody> </table>	Value	Description	0	No	1	Yes										
Value	Description																			
0	No																			
1	Yes																			
<i>&lt;/Instrument&gt;</i>																				
15	Currency	N	CURRENCY	Currency used for price. The combination of an ISIN with a defined currency will identify uniquely an instrument.																
38	OrderQty	Y	QTY	Total Order Quantity.																
2672	CrossRequestID	Y	INT	Unique identifier for cross request. Uniqueness will be completely within the user's responsibility.																
<i>&lt;Trailer /&gt;</i>																				

## 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 (T7 Cash). This message is commonly referred to as a Request For Quote (RFQ).

Tag	Field Name	Req'd	Data Type	Description												
<i>&lt;Header with MsgType='R' /&gt;</i>																
<i>&lt;QuoteReqGrp&gt;, cardinality: 1, record counter: NoRelatedSym (146)</i>																
<i>&lt;Instrument&gt;</i>		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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>M</td> <td>Marketplace-assigned identifier</td> </tr> </tbody> </table>	Value	Description	M	Marketplace-assigned identifier								
Value	Description															
M	Marketplace-assigned identifier															
<i>&lt;SecurityAltIDGrp&gt;, cardinality: 0-1, record counter: NoSecurityAltID (454)</i>																
455	>SecurityAltID	Y	STRING (12)	Security identifier as ISIN												
456	>SecurityAltIDSource	Y	STRING (1)	Source of the SecurityAltID (455). Only ISIN is allowed. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>ISIN</td> </tr> </tbody> </table>	Value	Description	4	ISIN								
Value	Description															
4	ISIN															
<i>&lt;/SecurityAltIDGrp&gt;</i>																
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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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
28897	RefinancingEligibility-Indicator	N	INT	Ability of a security to be accepted for refinancing.	
				Value	Description
				0	No
				1	Yes
<i>&lt;/Instrument&gt;</i>					
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.	
<i>&lt;Parties&gt;, cardinality: 1, record counter: NoPartyIDs (453), containing occurrences: entering_trader*</i>					
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	<p>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.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person
Value	Description											
21	Specialist											
22	Algorithm											
24	Natural person											
802	>NoPartySubIDs	N	NUMINGROUP	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	<p>Type of PartySubID.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Firm</td> </tr> <tr> <td>2</td> <td>Person</td> </tr> </tbody> </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	<p>Used to indicate whether the message is sent to request a public or a private quote.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Y</td> <td>Private Quote</td> </tr> <tr> <td>N</td> <td>Public Quote</td> </tr> </tbody> </table>	Value	Description	Y	Private Quote	N	Public Quote		
Value	Description											
Y	Private Quote											
N	Public Quote											
25139	RFQRequester-DisclosureInstruction	N	INT	<p>Instruction to disclose the business unit name of the requester of a public quote. Required in requests for public quotes.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>No</td> </tr> <tr> <td>1</td> <td>Yes</td> </tr> </tbody> </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	<p>Recipients of the request for a public quote. Required in requests for public quotes.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Market Data</td> </tr> <tr> <td>2</td> <td>Designated Sponsor</td> </tr> <tr> <td>3</td> <td>Market Data and Designated Sponsor</td> </tr> <tr> <td>4</td> <td>Market Maker and Designated Sponsor</td> </tr> <tr> <td>5</td> <td>Market Data, Market Maker and Designated Sponsor</td> </tr> </tbody> </table>	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
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															
<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												
<i>&lt;Header with MsgType='S' /&gt;</i>																
<i>&lt;Instrument&gt;</i>		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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>M</td> <td>Marketplace-assigned identifier</td> </tr> </tbody> </table>	Value	Description	M	Marketplace-assigned identifier								
Value	Description															
M	Marketplace-assigned identifier															
<i>&lt;SecurityAltIDGrp&gt;, cardinality: 0-1, record counter: NoSecurityAltID (454)</i>																
455	>SecurityAltID	Y	STRING (12)	Security identifier as ISIN												
456	>SecurityAltIDSource	Y	STRING (1)	Source of the SecurityAltID (455). Only ISIN is allowed. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>ISIN</td> </tr> </tbody> </table>	Value	Description	4	ISIN								
Value	Description															
4	ISIN															
<i>&lt;/SecurityAltIDGrp&gt;</i>																
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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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								
<i>&lt;Header with MsgType='h' /&gt;</i>												
58	Text	N	STRING (1-128)	Free format text string.								
336	TradingSessionID	Y	INT	Identifier for trading session. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Day</td> </tr> </tbody> </table>	Value	Description	1	Day				
Value	Description											
1	Day											
1368	TradSesEvent	Y	INT	Trading session event type. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>103</td> <td>End of restatement</td> </tr> <tr> <td>201</td> <td>Message transmission ended</td> </tr> </tbody> </table>	Value	Description	103	End of restatement	201	Message transmission ended		
Value	Description											
103	End of restatement											
201	Message transmission ended											
340	TradSesStatus	Y	INT	State of the trading session. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Unknown</td> </tr> <tr> <td>2</td> <td>Open</td> </tr> <tr> <td>3</td> <td>Closed</td> </tr> </tbody> </table>	Value	Description	0	Unknown	2	Open	3	Closed
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.								
<i>&lt;Trailer /&gt;</i>												

## 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										
<i>&lt;Header with MsgType='UCZ' /&gt;</i>														
<i>&lt;Parties&gt;, cardinality: 2-4, record counter: NoPartyIDs (453), containing occurrences: clearing_firm, entering_firm, executing_system*, executing_unit*</i>														
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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>D</td> <td>Proprietary custom code</td> </tr> </tbody> </table>	Value	Description	D	Proprietary custom code						
Value	Description													
D	Proprietary custom code													
452	>PartyRole	Y	INT	Party Role. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	4	Clearing firm	7	Entering firm	16	Executing system	59	Executing unit
Value	Description													
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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person		
Value	Description													
21	Specialist													
22	Algorithm													
24	Natural person													
802	>NoPartySubIDs	N	NUMINGROUP	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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Firm</td> </tr> <tr> <td>2</td> <td>Person</td> </tr> </tbody> </table>	Value	Description	1	Firm	2	Person
Value	Description									
1	Firm									
2	Person									
</Parties>										
439	ClearingFirm	N	STRING	Firm that will clear the trade.						
75	TradeDate	N	LOCALMKT- DATE	Business date in YYYYMMDD format.						
1324	ListUpdateAction	N	CHAR	Invocation or release of a control event. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Add (Invocation)</td> </tr> <tr> <td>D</td> <td>Delete (Release)</td> </tr> </tbody> </table>	Value	Description	A	Add (Invocation)	D	Delete (Release)
Value	Description									
A	Add (Invocation)									
D	Delete (Release)									
1672	PartyDetailStatus	N	INT	Member status. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Active</td> </tr> <tr> <td>1</td> <td>Suspended</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>D</td> <td>Proprietary custom code</td> </tr> </tbody> </table>	Value	Description	D	Proprietary custom code				
Value	Description											
D	Proprietary custom code											
452	>PartyRole	Y	INT	Party Role. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>Executing trader</td> </tr> <tr> <td>59</td> <td>Executing unit</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person
Value	Description											
21	Specialist											
22	Algorithm											
24	Natural person											
802	>NoPartySubIDs	N	NUMINGROUP	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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Firm</td> </tr> <tr> <td>2</td> <td>Person</td> </tr> </tbody> </table>	Value	Description	1	Firm	2	Person		
Value	Description											
1	Firm											
2	Person											
<i>&lt;/Parties&gt;</i>												
<i>&lt;RequestingParties&gt;, cardinality: 1-3, record counter: NoRequestingPartyIDs (1657), containing occurrences: requesting_entering_firm, requesting_executing_system, requesting_executing_trader*</i>												
1658	>RequestingPartyID	Y	STRING	Party identifier for the requesting party.								
1659	>RequestingParty- IDSource	Y	CHAR	Identifies the source of the RequestingPartyID (1658) value. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>D</td> <td>Proprietary custom code</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	7	Entering firm	12	Executing trader	16	Executing system
Value	Description											
7	Entering firm											
12	Executing trader											
16	Executing system											
<i>&lt;/RequestingParties&gt;</i>												
2329	PartyActionType	N	INT	Party Action Type. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Halt Trading</td> </tr> <tr> <td>2</td> <td>Reinstate</td> </tr> </tbody> </table>	Value	Description	1	Halt Trading	2	Reinstate		
Value	Description											
1	Halt Trading											
2	Reinstate											
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.								
<i>&lt;Trailer /&gt;</i>												



## 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: 2-4, record counter: NoPartyIDs (453), containing occurrences: clearing_firm, entering_firm, executing_system*, 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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>D</td> <td>Proprietary custom code</td> </tr> </tbody> </table>	Value	Description	D	Proprietary custom code						
Value	Description													
D	Proprietary custom code													
452	>PartyRole	Y	INT	Party Role. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	4	Clearing firm	7	Entering firm	16	Executing system	59	Executing unit
Value	Description													
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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person		
Value	Description													
21	Specialist													
22	Algorithm													
24	Natural person													
802	>NoPartySubIDs	N	NUMINGROUP	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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Firm</td> </tr> <tr> <td>2</td> <td>Person</td> </tr> </tbody> </table>	Value	Description	1	Firm	2	Person
Value	Description									
1	Firm									
2	Person									
</Parties>										
439	ClearingFirm	Y	STRING	Firm that will clear the trade.						
75	TradeDate	Y	LOCALMKT- DATE	Business date in YYYYMMDD format.						
1324	ListUpdateAction	N	CHAR	Invocation or release of a control event. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Add (Invocation)</td> </tr> <tr> <td>D</td> <td>Delete (Release)</td> </tr> </tbody> </table>	Value	Description	A	Add (Invocation)	D	Delete (Release)
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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>D</td> <td>Proprietary custom code</td> </tr> </tbody> </table>	Value	Description	D	Proprietary custom code				
Value	Description											
D	Proprietary custom code											
452	>PartyRole	Y	INT	Party Role.								
				<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>36</td> <td>Entering trader</td> </tr> <tr> <td>59</td> <td>Executing unit</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person
Value	Description											
21	Specialist											
22	Algorithm											
24	Natural person											
802	>NoPartySubIDs	N	NUMINGROUP	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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Firm</td> </tr> <tr> <td>2</td> <td>Person</td> </tr> </tbody> </table>	Value	Description	1	Firm	2	Person
Value	Description									
1	Firm									
2	Person									
</Parties>										
1300	MarketSegmentID	Y	INT(10)	Product identifier.						
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								
<i>&lt;Header with MsgType='UCM' /&gt;</i>												
<i>&lt;PartyRiskLimitsGrp&gt;, cardinality: unrestricted, record counter: NoPartyRiskLimits (1677)</i>												
<i>&lt;PartyDetailGrp&gt;, cardinality: 1, record counter: NoPartyDetails (1671)</i>												
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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>D</td> <td>Proprietary custom code</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>59</td> <td>Executing unit</td> </tr> </tbody> </table>	Value	Description	59	Executing unit				
Value	Description											
59	Executing unit											
1672	>PartyDetailStatus	Y	INT	Member status. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Active</td> </tr> <tr> <td>1</td> <td>Suspended</td> </tr> </tbody> </table>	Value	Description	0	Active	1	Suspended		
Value	Description											
0	Active											
1	Suspended											
<i>&lt;/PartyDetailGrp&gt;</i>												
<i>&lt;RiskLimitsGrp&gt;, cardinality: 1, record counter: NoRiskLimits (1669)</i>												
<i>&lt;RiskLimitTypesGrp&gt;, cardinality: 1 - 64, record counter: NoRiskLimitTypes (1529)</i>												
1530	>RiskLimitType	Y	INT	Specifies the type of risk limit. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Long Limit</td> </tr> <tr> <td>5</td> <td>Short Limit</td> </tr> </tbody> </table>	Value	Description	4	Long Limit	5	Short Limit		
Value	Description											
4	Long Limit											
5	Short Limit											
28776	>RiskLimit-RequestingPartyRole	Y	INT	Requesting party role for a pre-trade risk limit. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	4	Clearing firm	22	Exchange	59	Executing unit
Value	Description											
4	Clearing firm											
22	Exchange											
59	Executing unit											

Tag	Field Name	Req'd	Data Type	Description	
28778	>RiskLimitViolation-Indicator	Y	INT	Indicator for a pre-trade risk limit violation.	
				Value	Description
				0	No
				1	Yes
28775	>RiskLimitGroup	N	STRING (1-3)	User Pre-Trade risk group	
1531	>RiskLimitAmount	N	FLOAT	Risk limit amount	
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										
<i>&lt;Header with MsgType='U6' /&gt;</i>														
<i>&lt;SessionGrp&gt;, cardinality: unrestricted, record counter: NoSessions (28734)</i>														
28766	>GatewaySessionID	Y	INT(10)	Identifier of an T7 session ID.										
28730	>SessionMode	Y	INT	The session type. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>ETI High Frequency session</td> </tr> <tr> <td>1</td> <td>ETI Low Frequency session</td> </tr> <tr> <td>2</td> <td>T7 GUI session</td> </tr> <tr> <td>3</td> <td>FIX LF session</td> </tr> </tbody> </table>	Value	Description	0	ETI High Frequency session	1	ETI Low Frequency session	2	T7 GUI session	3	FIX LF session
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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Regular Trading session</td> </tr> </tbody> </table>	Value	Description	0	Regular Trading session						
Value	Description													
0	Regular Trading session													
28767	>SecondarySessionID	N	STRING	FIX session CompID. Set only for FIX LF sessions.										
<i>&lt;/SessionGrp&gt;</i>														
30060	UTransactTime	Y	INT(20)	Transaction timestamp. Number of nanoseconds since Jan 1, 1970.										
<i>&lt;Trailer /&gt;</i>														

## 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												
<i>&lt;Header with MsgType='AE' /&gt;</i>																
<i>&lt;Instrument&gt;</i>		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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>M</td> <td>Marketplace-assigned identifier</td> </tr> </tbody> </table>	Value	Description	M	Marketplace-assigned identifier								
Value	Description															
M	Marketplace-assigned identifier															
<i>&lt;SecurityAltIDGrp&gt;, cardinality: 0-1, record counter: NoSecurityAltID (454)</i>																
455	>SecurityAltID	Y	STRING (12)	Security identifier as ISIN												
456	>SecurityAltIDSource	Y	STRING (1)	Source of the SecurityAltID (455). Only ISIN is allowed. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>ISIN</td> </tr> </tbody> </table>	Value	Description	4	ISIN								
Value	Description															
4	ISIN															
<i>&lt;/SecurityAltIDGrp&gt;</i>																
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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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				
<i>&lt;/Instrument&gt;</i>					
<i>&lt;RegulatoryTradeIDGrp&gt;, cardinality: 1, record counter: NoRegulatoryTradeIDs (1907)</i>					
1903	>RegulatoryTradeID	N	STRING	Trading Venue Transaction Identifier (TVTIC).	
1906	>RegulatoryTradeIDType	N	INT	Specifies the type of trade identifier provided in RegulatoryTradeID (1903).	
				Value	Description
5	Trading venue transaction identifier (TVTIC)				
<i>&lt;/RegulatoryTradeIDGrp&gt;</i>					
<i>&lt;SRQSRelatedTradeIDGrp&gt;, cardinality: 0-1, record counter: NoSRQSRelatedTradeIDs (25174)</i>					
25152	>SRQSRelatedTradeID	N	INT(10)	Provides together with the NegotiationID a link to the corresponding Xetra/Eurex Enlight deal.	
<i>&lt;/SRQSRelatedTradeIDGrp&gt;</i>					
<i>&lt;RootParties&gt;, cardinality: 1, record counter: NoRootPartyIDs (1116), containing occurrences: root_execution_venue</i>					
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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>73</td> <td>Execution venue</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Buy</td> </tr> <tr> <td>2</td> <td>Sell</td> </tr> </tbody> </table>	Value	Description	1	Buy	2	Sell		
Value	Description											
1	Buy											
2	Sell											
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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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	<p>Party Role.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Executing firm</td> </tr> <tr> <td>3</td> <td>Client ID</td> </tr> <tr> <td>4</td> <td>Clearing firm</td> </tr> <tr> <td>7</td> <td>Entering firm</td> </tr> <tr> <td>10</td> <td>Settlement location</td> </tr> <tr> <td>12</td> <td>Executing trader</td> </tr> <tr> <td>16</td> <td>Executing system</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> <tr> <td>66</td> <td>Market Maker</td> </tr> <tr> <td>90</td> <td>Settlement Firm</td> </tr> <tr> <td>91</td> <td>Settlement Account</td> </tr> <tr> <td>122</td> <td>Investment decision maker</td> </tr> </tbody> </table>	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
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	<p>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.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	Value	Description	21	Specialist	22	Algorithm	24	Natural person																						
Value	Description																																	
21	Specialist																																	
22	Algorithm																																	
24	Natural person																																	
802	>NoPartySubIDs	N	NUMINGROUP	<p>Number of PartySubIDs. Only one entry. Only in combination with PartyRole (452) = 7 (Entering firm), 12 (Executing trader) and 36 (Entering trader) possible.</p>																														
523	>PartySubID	N	STRING (1-6)	<p>Firm or Trader Short Name, depending on the value of field PartySubIDType(803).</p>																														
803	>PartySubIDType	N	INT	<p>Type of PartySubID.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Firm</td> </tr> <tr> <td>2</td> <td>Person</td> </tr> </tbody> </table>	Value	Description	1	Firm	2	Person																								
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.						
		<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>Bilateral netting only (aggregation)</td> </tr> <tr> <td>13</td> <td>Self clearing (internalisation)</td> </tr> </tbody> </table>			Value	Description	2	Bilateral netting only (aggregation)	13	Self clearing (internalisation)
Value	Description									
2	Bilateral netting only (aggregation)									
13	Self clearing (internalisation)									
</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).						
		<table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Order</td> </tr> <tr> <td>2</td> <td>Quote</td> </tr> </tbody> </table>			Value	Description	1	Order	2	Quote
Value	Description									
1	Order									
2	Quote									

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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Added Liquidity (passive)</td> </tr> <tr> <td>2</td> <td>Removed Liquidity (aggressive)</td> </tr> <tr> <td>4</td> <td>Auction (neither passive nor aggressive, includes VDO matching at midpoint)</td> </tr> </tbody> </table>	Value	Description	1	Added Liquidity (passive)	2	Removed Liquidity (aggressive)	4	Auction (neither passive nor aggressive, includes VDO matching at midpoint)				
Value	Description															
1	Added Liquidity (passive)															
2	Removed Liquidity (aggressive)															
4	Auction (neither passive nor aggressive, includes VDO matching at midpoint)															
37	>OrderID	N	INT(20)	Exchange Order ID generated by the T7 system.												
11	>COrdID	N	STRING (1-20)	Unique customer defined order request identifier												
40	>OrdType	N	CHAR	Order type.  <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Market</td> </tr> <tr> <td>2</td> <td>Limit</td> </tr> <tr> <td>3</td> <td>Stop</td> </tr> <tr> <td>4</td> <td>Stop limit</td> </tr> <tr> <td>P</td> <td>Pegged</td> </tr> </tbody> </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.												
<i>&lt;OrderAttributeGrp&gt;, cardinality: 0-2, record counter: NoOrderAttributes (2593)</i>																
2594	>OrderAttributeType	N	INT	Type of order attribute.  <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>Liquidity Provision Activity Order</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Y</td> <td>Attribute is set.</td> </tr> </tbody> </table>	Value	Description	Y	Attribute is set.								
Value	Description															
Y	Attribute is set.															
<i>&lt;/OrderAttributeGrp&gt;</i>																
25008	>FreeText2	N	STRING (1-12)	Second free-format text field for trader-specific or customer-related comments.												
25107	>FreeText4	N	STRING (1-16)	Fourth 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.																
<i>&lt;/TrdCapRptSideGrp&gt;</i>																				
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 border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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 (VDO)</td> </tr> <tr> <td>14</td> <td>Continuous Auction</td> </tr> </tbody> </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 (VDO)	14	Continuous Auction
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 (VDO)																			
14	Continuous Auction																			
828	TrdType	Y	INT	Identifier of the trade type. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </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
1815	TradingCapacity	N	INT	Trading capacity.	
				Value	Description
				1	Customer (Agency)
				3	Issuer/Liquidity Provider
				5	Principal (Proprietary)
				6	Market Maker
9	Riskless Principal				
2489	PackageID	N	INT(10)	Identifier for a TES trade.	

Tag	Field Name	Req'd	Data Type	Description												
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. <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Opening auction</td> </tr> <tr> <td>2</td> <td>Closing auction</td> </tr> <tr> <td>3</td> <td>Intraday auction</td> </tr> <tr> <td>4</td> <td>Circuit breaker auction</td> </tr> <tr> <td>5</td> <td>Trade at Close</td> </tr> </tbody> </table>	Value	Description	1	Opening auction	2	Closing auction	3	Intraday auction	4	Circuit breaker auction	5	Trade at Close
Value	Description															
1	Opening auction															
2	Closing auction															
3	Intraday auction															
4	Circuit breaker auction															
5	Trade at Close															
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.												
<i>&lt;Trailer /&gt;</i>																



## 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 (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 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\_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)