

# **T7 Release 9.0**

## **Contract Notes Description**

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## 1. Introduction

This document describes the content and structure of the contract notes offered for the trading venues Xetra and Börse Frankfurt. Contract notes are offered in SWIFT format MT512 and in a print / formatted layout. It is the decision of the member which version he wants to receive, it is possible to receive both formats.

The member can also decide for which trading venue (Xetra and / or Börse Frankfurt) and for which role (Clearing member or not) he wants to receive contract notes.

The contract notes are generated during the end-of-day processing.

The contract notes in SWIFT format are exclusively sent via File Transfer SNA, the ones in printed / formatted layout only via Common Report Engine.

## 2. Contract Notes (SWIFT format)

Each contract note starts with one header message and ends with one trailer message using SWIFT MT598. Header and trailer message encapsulate the SWIFT MT512 messages.

### 2.1 Header message (SWIFT MT598)

The header message consists of three Blocks: Block 1, 2 and 4. Block 3 is optional and is not printed.

Block 1 and 2 form the header of a message; Block 4 contains the data in the text block.

#### 2.1.1 Block 1 (Basic Header)

Field	Format	Content
Block Starting Point & Identification	3!x	Always: "{1:"
Application Identification	1!x	Always: "F"
Service Identification	2!n	Always: "01"
LT Address	12!x	SWIFT address of the of the recipient
Session Number	4!n	Always: "0000"
Sequence Number	6!n	Sequence number starting with 600001.
Block End	1!x	Always: "}"

**2.1.2 Block 2 (Application Header)**

Field	Format	Description
Block Starting Point & Identification	3!x	Always: "{2:"
Input / Output Identification	1!x	Always: "O"
Message Type	3!n	Always: "598"
Time	4!x	Local time of the sender (HHMM)
Input Reference of the Message: - Input Date	6!x	Date (local date of the sender YYMMDD)
SWIFT Address	12!x	SWIFT address of the sender
Session Number	4!x	Always: "0000"
Sequence Number	6!x	Sequence number starting with 600001
Output Date	6!n	Local date (YYMMDD)
Local Time of the Output	4!n	Local time (HHMM)
Message Priority	1!x	Always: "N"
Block end	1!x	Always: "}"

**2.1.3 Block 4 (Text Block)**

Qualifier	Field Name	Format
	Always: "{4:"	3!x
20	Transaction number, consists of: <b>Exchange trading day</b> (YYMMDD) <b>Sequence number</b> , always "0000001"	6n7n 6n 7n
12	Message type. Always "000" (opening record)	3n

Qualifier	Field Name	Format
77E	<p>Message pursuant to special agreement. Consists of:</p> <p><b>Transmission identification:</b> 'BOEGA-SDTX' (Xetra data carrier) or 'BOEGA-SDTW' (Börse Frankfurt data carrier)</p> <p><b>Creation date</b> (YYMMDD)</p> <p><b>Creation time</b> (HHMMSS)</p> <p><b>Exchange trading day</b> (YYMMDD)</p>	<p>10x</p> <p>6n</p> <p>6n</p> <p>6n</p>
Block End	Always: “}”	1!x

## 2.2 MT512 message

Each MT512 message consists of three Blocks: Block 1, 2 and 4. Block 3 is optional and is not printed.

Block 1 and 2 form the header of a message; Block 4 contains the data in the text block.

Between a MT598 header / trailer message several MT512 messages can be included.

### 2.2.1 Block 1 (Basic Header)

Field	Format	Content
Block Starting Point & Identification	3!x	Always: “{1:”
Application Identification	1!x	Always: “F”
Service Identification	2!n	Always: “01”
LT Address	12!x	Member's SWIFT address
Session Number	4!n	Always: “0000”
Sequence Number	6!n	Increasing sequence number starting with 600002
Block End	1!x	Always: “}”

**2.2.2 Block 2 (Application Header)**

Field	Format	Content
Block Starting Point & Identification	3!x	Always: "{2:"
Output Identification	1!x	Always: "O"
Message Type	3!n	Always: "512"
Input Time	4!x	Local time of the sender (HHMM)
Input Reference of the Message: Input Date SWIFT Address	6!x 12!x	Date (local date of the sender YYMMDD) SWIFT address of the sender, "DWZXDEFFBBGA".
-Session Number	4!x	Always: "0000"
Sequence Number	6!x	Sequence number starting with 600002
Output Date	6!n	Local date (YYMMDD)
Local Time of the Output	4!n	Local time (HHMM)
Message Priority	1!x	Always: "N"
Block End	1!x	Always: "}"



### 2.2.3 Block 4 (Text Block)

Fields that have been changed from the previous version of this document have a yellow background and description in bold letters.

Qualifier	Field Name	Format	O/M	Comment
	Block Starting Point & Identification	3!x		Always: "{4:"
20:	Trade no		M	
	- Exchange trading place	3n		"194": trading location Xetra "130": trading location Börse Frankfurt
	- Exchange trading day	6n		Format YYMMDD
	- Serial number	7n		Trade number. Only unique in the context of the ISIN and the exchange
21:	Order reference		M	Only one of the 3 below fields is provided depending on the selection of the member.
	- 'XET' constant for Xetra / <b>'XFR'</b> <b>constant for</b> <b>Börse</b> <b>Frankfurt</b>	3a13x		"XET" + order number, if the member has chosen the System Order Number to be shown and the trade is conducted on Xetra  <b>"XFR" + order number, if the member has chosen the System Order Number to be shown and the trade is conducted on Börse Frankfurt.</b>  The System Order Number is converted from decimal to basis 36 using the Horner scheme
	- Order number	13n		Member internal order number, if the member has chosen the member internal order number to be shown.
	/NONREF			If the member has chosen to show no reference at all.

Qualifier	Field Name	Format	O/M	Comment
23:	Transaction type		M	
	- 'BOUGHT' or 'SOLD'	6a		
	- Record type	/3n		'112' – Buy – Xetra '113' – Buy – Börse Frankfurt '122' – Sell – Xetra '123' – Sell – Börse Frankfurt  For OTC trades: '213' – Buy – Börse Frankfurt '223' – Sell – Börse Frankfurt
	- Indication release for delivery	/[1a]		'J' – ("yes"): automatic release for delivery after execution  'N' – ("no"): no automatic release for delivery after execution  If no information is available the field is skipped and only a "/" is reported.
	- Empty field	/		Field contains only a slash
	- Indicator own account trading	/2x		A1 – agent P1 – proprietary M1 – Designated Sponsor I1 – issuer
	- Indicator for on/off-exchange trading	/2x		'AB' – off-exchange trading 'BS' – on-exchange trading
	- Netting type	/[1a]		This field is currently not used.

Qualifier	Field Name	Format	O/M	Comment
31P:	Transaction details		M	
	- Trade Date	6n		Format YYMMDD
	- Originator's exchange trading place	3x		"194" Xetra "130" Börse Frankfurt
	- Indicator fixed value date	//[2a]//		'FZ' - value vs. payment 'FI' - value international or empty
30:	Further transaction details		M	
	- Settlement date	6n		Settlement date (YYMMDD) or constant "000000"
	- Time of entry	/[6n]		Format HHMMSS (CET)
	- Exchange trading place of registration	/[3x]		"194" Xetra "130" Börse Frankfurt
	- Two empty fields	//		
	- MIC Venue	/[4x]		"XETR" "XFRA"
	OTC Post-Trade Indicator	/		This field is currently not used.
	- Segment MIC	/[4x]		Börse Frankfurt on exchange trades: FRAA, FRAB, FRAS off exchange: FRAU, FRAV, FRAW, XOFF Xetra on exchange trades: XETA, XETB, XETS off exchange: XETU, XETV, XETW, XOFF

Qualifier	Field Name	Format	O/M	Comment
35A:	Type and Number of units/nominal value of security		M	
	- Type of security	3a		SHS = shares BON = bonds BCE = bonds, similar to certificates CER = certificates FUN = funds SUB = subsidiary rights RTE = profit-sharing rights WTS = warrants UNT = units MSC = others
	- Unit or nominal value	10n,3n		

Qualifier	Field Name	Format	O/M	Comment
35B:	1st row		M	
	- ISIN	ISINb12c		
	2nd row			
	- Securities short name	35x		
	3rd row			
	- Type of custody	3n		See chapter 4.1.1.
	- Unit of security quotation	1n		'1' - unit quotation '2' - percentage quotation '3' - per thousand quotation
	- Interest rate	/[4n,9n]		Only used when field "Unit of security quotation" is filled with "2" or "3".
	- Coupon date	/[8x]		Only used when field "Unit of security quotation" is filled with "2" or "3".  See chapter 4.1.2.
	- Indicator – security with pool factor / funding debentures	/[2x		Only used for securities with pool factor. 'PF' - securities with pool factor 'FS' - funding debentures 'IK' - index coefficient
	- Pool factor / conversion factor	1n,9n]/		Only used for securities with pool factor.
	4th row			
	- Serial ISIN	[ISIN1!e12c]		Only used when the traded ISIN is a serial ISIN.
82D:	- Counterparty	/4n	M	CBF account number.
	LEI	/		This field is currently not used.

Qualifier	Field Name	Format	O/M	Comment
87F:	Buyer		M	
	- Constant 'APMT'	APMT		
	- Constant 'C' for buyer	/C		
	- CBF-account no	/4n		CBF account number of buyer.
87F:	Seller		O	
	- Constant 'APMT'	APMT		
	- Constant 'D' for seller	/D		
	- CBF-account no	/4n		CBF account number of seller.
33T:	Contract price		M	
	- Currency code	3a		
	- Amount	6n,4n		
32M:	Market value		O	
	- Currency code	3a		
	- Amount	12n,2n		

Qualifier	Field Name	Format	O/M	Comment
34G/H:	Interest accrued		O	34G is used when the subfield Amount has a positive sign, 34H is used for a negative amount.
	- Interest days	[3n]		Only used when accrued interest is available (e.g. for instruments in unit quotation).
	- Currency code	[3a]		Only used when accrued interest is available (e.g. for instruments in unit quotation).
	- Amount	[10n,2n]		Only used when accrued interest is available (e.g. for instruments in unit quotation).
71C:	Fees and charges		O	Only used for OTC trades and if additional costs are available.
	- Constant "/BROK/"	[/8a/]		
	- Currency code	[3a]		
	- Amount of additional costs	[7n,2n]		No longer used. Always 0.
	- Prefix brokerage fees	[/1a]		'N', if amount of additional costs is negative, otherwise field is omitted.
36:	Exchange rate	[7n,11n]	O	Only used if trading is non-EUR and settlement is in EUR currencies. Rate is the multiplicative factor, converting the settlement amount given in trading currency into the settlement amount given in settlement currency.
34B:	Settlement details		M	
	- Currency code	3a		
	- Settlement amount	12n,2n		

Qualifier	Field Name	Format		Comment
57B:	CCP transaction information		O	
	- CCP Indicator	[1a]		'J' – CCP trade Field is not reported for non-CCP transactions
	- CBF account number of Clearing Member	[/4n]		Field is filled with settlement account buy for buy trades and settlement account sell for sell trades
20F:	TVTIC	52x	O	Trading venue transaction identification code (MIFID II)
72:	Information sender to recipient		M	
	1 <sup>st</sup> row			
	- Originator	4n		"7501": trading location Xetra , "7540": trading location Börse Frankfurt
	2 <sup>nd</sup> row			
	- Recipient of trade confirmation	4n		Settlement account buy or sell
	- German security ID (WKN)	[/6x]		Only used if WKN is available.
	3 <sup>rd</sup> row			
	- Trade date	6n		Format YYMMDD
	- Trade time	12n		Format HHMMSSDDDDDD (UTC)



Qualifier	Field Name	Format	O/M	Comment
	-Xetra: Trade-code- suffix	[9n		The Xetra trade code suffix can be used to distinguish between the different partial executions. [Not in use anymore]
	- Trader ID	6x]		
	4th row			Only provided for trading location Xetra
	- Variable text from Xetra	[35x]		This field is currently not used.
	Block End	1!x		Always: “}”

## 2.2.4 Layout Example

```

:20:1301707219004922
:21:373524
:23:BOUGHT/113/J//A1/BS
:31P:170721130//FZ//
:30:170725/085312/130//XETR//XETA
:35A:BON2000,
:35B:ISIN DE000A2GSB86
PARAGONAGIHS17/22
0142/4,5/05.07.G/
:82D:/7086/
:87F:APMT/C/1111
:87F:APMT/D/2222
:33T:EUR101,1
:32M:EUR2022,
:34B:EUR2022,
:20F:12345678901234567890123456789012345678901234567890AB
:72:7501
7073/A2GSB8
170703075352080000000000000000ORS001
XETRA//
-}

```

## 2.3 Trailer Message (SWIFT MT598)

The trailer message consists of three blocks: blocks 1, 2 and 4. Block 3 is optional and is not printed.

Blocks 1 and 2 form the header of a message, block 4 contains the data in the text block.

### 2.3.1 Block 1 (Basic Header)

Field	Format	Description
Block Starting Point & Identification	3!x	Always: "{1:"
Application Identification	1!x	Always: "F"
Service Identification	2!n	Always: "01"
LT Address	12!x	SWIFT address of the of the recipient
Session Number	4!n	Always: "0000"
Sequence Number	6!n	Increasing sequence number starting with 600001
Block End	1!x	Always: "}"

**2.3.2 Block 2 (Application Header)**

Field	Format	Description
Block Starting Point & Identification	3!x	Always: "{2:"
Input / Output Identification	1!x	Always: "O"
Message Type	3!n	Always: "598"
Time	4!x	Local time of the sender (HHMM).
Input Reference of the Message:		
Input Date	6!x	Date (local date of the sender YYMMDD)
SWIFT Address	12!x	SWIFT address of the sender (DWZXDEFFBBGA)
Session Number	4!x	Always "0000"
Sequence Number	6!x	Increasing sequence number starting with 600001
Output Date	6!n	Local date (YYMMDD)
Local Time of the Output	4!n	Local time (HHMM)
Message Priority	1!x	Always: "N"
Block end	1!x	Always: "}"

**2.3.3 Block 4 (Text Block)**

Qualifier	Field Name	Format
Block Starting Point & Identification	Always: "{4:"	3!x
20:	Transaction number, consists of: Exchange trading day (YYMMDD) Fixed number, always "0000001"	6n7n 6n 7n
12:	Message type. Always "002" (closing record)	3n
77E:	Message pursuant to special agreement. Consists of:  <b>Transmission identification:</b> 'BOEGA-SDT '  <b>Number of records transmitted</b> (incl. heading and trailing records)  <b>Nominal amount</b> (field 35A; sum of all MT512s; numerical overflow is neglected)  <b>Settlement amount</b> (field 34B; sum of all MT512s; numerical overflow is neglected)	10x  6n  /10n,3n  /12n,2n
Block End	Always: "}"	1!x

### 3. Contract Notes (Print / Formatted Layout)

The contract notes are also offered in a printable / formatted layout. This format is only a light version of the contract notes as it does contain only a small set of the fields provided via MT512.

Four different versions of the report are provided depending on the trading location and member role (all parameters can be defined by the member):

- RPTBP105; Printed Contract Note XETR
- RPTBP106; XCM Printed Contract Note XETR (if CM role is set up)
- RPTBP205; Printed Contract Note XFRA
- RPTBP206; XCM Printed Contract Note XFRA (if CM role is set up)

#### Notes on format:

This report is only available in print format. All four versions of the report have the same format.

#### Notes on creation:

The report is created during end-of-day processing, it implies that the report is available after end-of-day processing is finished, not sooner. The report is generated by Common reporting Engine.

#### Sorting order:

#	FIELD NAME
1	MEMBER ID
2	KV NUMBER
2	ISIN
3	TRADE DATE
3	DEVIATING TRADE DATE

**Fields:**

REF	FIELD NAME	DESCRIPTION
1	MEMBER ID	Identification of the member.
2	KV NUMBER	KV number the trades are assigned to.
3 4	ISIN	ISIN of the traded instrument and short name.
5	CUSTODY TYPE	Custody type the instrument is held in.
6	SETTL. CUR	Currency the trades are settled in.
7	TRADE DATE	Trade date.
8	DEVIATING TRADE DATE	Deviating trade date (in case of OTC trades).
9	TRADE NUMBER	Trade number. Only unique in the context of the ISIN.
10	TRD SUF	Trade number suffix.
11	B S	Buy / sell type.
12	A T	Account type where trade was booked on.
13	NOMINAL/QUANTITY	Nominal / quantity of the trade.
14	TRADE PRICE	Trade price.
15	SETTLEMENT AMOUNT	Settlement amount.
16	ACCRUED INTEREST AMNT	Amount of the accrued interest.
17	INT DAY	Number of interest days.
18	COUN PART	Counterparty information.
19	ORIGINATOR	Originator information.
20	COMMISSION	Additional cost (Brokerage Fee).
21	SEGMENT MIC	A MIC which identifies a section of one of the above entities that specializes in one or more specific instruments or that is regulated differently.



## **4. Change log**

### **4.1 T7 Release 9.0**

Order Number Prefix – changed in MT512 block 4 field 21, Additionally to the existing prefix for Xetra a prefix for Börse Frankfurt (XFR) is introduced.



## 5. Appendix

### 5.1 Valid values

#### 5.1.1 Type of Custody

The field "Type of Custody" (used in field 35B) can be filled with the following values:

Value	Description
01	Scrip account until individual physical certificates available
02	Scrip account until global certificate deposited
03	Collective custody, book entry, global certificate(s)
05	Collective custody, interim global certificate until securities deliverable
06	Collective custody, debt book entry (including individually inscribed debt)
07	Collective custody, debt book entry (excluding individually inscribed debt)
08	Collective custody, co-ownership of bearer global certificate held by Clearstream Banking Frankfurt (physical share delivery not possible)
09	Collective custody
10	New collective custody account (NGS)
11	Collective custody, deliverable in form of CF-Stukken only
12	Collective custody, technical global certificate (individual certificates not eligible for collective custody possibly outstanding)
13	Collective custody, central custodian or direct safe custody
14	Collective custody, master certificate (UP TO) for the entire term
15	Collective custody, interim master certificate (UP TO) until securities deliverable
16	Collective custody, technical global certificate (UP TO)
19	Collective custody, co-ownership in collective holding of share certificates
20	Jacket custody
21	Jacket custody, when issued
22	In-house collective custody, global certificate(s) only
23	Debt book entry, no collective custody
24	Custody account entry only (no physical securities or global certificates)

Value	Description
40	Trust custody (securities physically deliverable)
41	Securities in Clearstream Banking Frankfurt foreign settlement (securities physically deliverable)
42	Clearstream Banking Frankfurt foreign settlement, global certificates exchanged by Clearstream International (securities physically deliverable)
43	Clearstream Banking Frankfurt foreign settlement, Clearstream International in interim global certificates
44	Securities in Clearstream Banking Frankfurt foreign settlement (securities not physically deliverable)
45	Clearstream Banking Frankfurt foreign settlement, Clearstream International in permanent global certificates (securities not physically deliverable)
46	Clearstream Banking Frankfurt foreign settlement, in interim global certificates
47	Clearstream Banking Frankfurt foreign settlement, in permanent global certificates
50	New Look Global Note (NGN)
51	Technical collective custody (domestic) only
52	Third register entry with variable nominal amount
60	Non-collective safe custody securities to be settled via T2S
88	Other (indices, etc.)
91	Reserved for internal bank use, not used by WM
92	Reserved for internal bank use, not used by WM
93	Reserved for internal bank use, not used by WM
94	Reserved for internal bank use, not used by WM
95	Reserved for internal bank use, not used by WM
96	Reserved for internal bank use, not used by WM
97	Reserved for internal bank use, not used by WM
98	Reserved for internal bank use, not used by WM
99	Reserved for internal bank use, not used by WM

Please note that list of valid values is subject to change.

### **5.1.2 Coupon Date**

The field "Coupon Date" (used in field 35B) is a concatenated field containing the information about the regular coupon date in a generic format. I.e. no concrete date like 15.06.2012 is given. Instead this field is filled with an alphanumeric code. E.g.

01.01.G -> Yearly payment on January 1<sup>st</sup>.

01.01.1M -> Monthly payment on the first date of month.

31M01O-> Payments on March 31<sup>st</sup> and October 31<sup>st</sup>.

As the list of valid values is subject to change please have a look at the information provided by "Wertpapiermitteilung" about the current values.