DEUTSCHE BÖRSE
GROUP

Deutsche Börse Group – Cash Markets

Bi-lateral Processing Report Description

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1 Introduction

This document describes the reports used for the bilateral aggregation service. The reports contain information about the aggregated positions, contained single trades and about gross processed trades.

Only for trading participants that have opted in for bilateral aggregation these reports are filled with content.

Two different types of reports are provided. The first report type (SWIFT MT512 format) contains all aggregated positions of a trading member for a specific trading day. Next to the information about aggregated positions the trading member can choose if the not aggregated trades (i.e., gross processed trades) should be contained in these reports. Selection is done via forms provided by Member Services & Admission.

The second report type (SWIFT MT518 format) contains all aggregated positions of a trading member for a specific trading day. Additionally, all single trades are reported with a reference to the aggregated position the trade is contained in. No gross processed trades are printed on this report.

Both report types are offered as selectable reports. The trade information is printed in SWIFT format (MT512 or MT518). Each report type is offered per trading location, i.e., a separate report is created for Xetra and Börse Frankfurt (MIC XETR and XFRA, respectively). Each trading participant can decide which report type (MT512 and / or MT518) he wants to receive and for which trading location (Xetra and / or Börse Frankfurt). Please note that only one report for both trading participant roles (Trading Participant or Settlement Institute) is provided, i.e., trades / positions for both roles can be contained in the report. Selection is done via forms provided by member Services & Admission.

Both report types are created in the end of day processing of the according trading location. After creation, the reports are transferred to the member's directory of the Common Report Engine and the Xetra / Xetra Frankfurt Specialist MISS. The following report IDs are used:

- BA100 “AGGR. POS. CONFIRMATION XETR” (MT512)
- BA200“AGGR. POS. CONFIRMATION XFRA” (MT512)
- BA105 “AGGR. PROCESSING REPORT XETR” (MT518)
- BA205 “AGGR. PROCESSING REPORT XFRA” (MT518)

2 Aggregated Position Confirmation (SWIFT MT512 format)

2.1 Report Structure

Each report starts with one header message and ends with one trailer message using MT598. Header and trailer message (described in chapter 4) encapsulate the MT512 messages. Each 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.

2.1.1 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 recipient.
Session Number	4!n	Always: "0000"
Sequence Number	6!n	Always: "999999"
Block End	1!x	Always: "}"

2.1.2 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	6!x	Date (YYMMDD)
- SWIFT Address	12!x	SWIFT address of the sender, “DWZXDEFFBBGA”
Session Number - Sequence Number	4!x 6!x	Always: “0000” Always: “999999”
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)

Fields that are optional have a grey background. Additionally an explanation is given, when the field can be omitted.

Tag	Field Name	Format	Example
	Block Starting Point & Identification	3!x	Always: “{4:”
20	Trade Identifier Consists of: **Exchange**: Filled with ”130” for Börse Frankfurt (XFRA) ”194” for XETRA (XETR) **Trade Date** in format YYMMDD **Trade Number**	3!n6!n7!n	:20:1301203079999999
21	Order Number Filled with the T7 order number for single trades or “BILAGG” and the generated number for aggregated positions.	16x	Single trade::21:1234567 Aggregated position: :21:BILAGG9999999
23	Transaction Type Consists of: **Buy/Sell Indicator**: ”BOUGHT” or “SOLD” **Record Type**: Buy – “412” Sell – “422” **Account Type**: ”A1” or “PP”	6a/3!n///2!x	:23:BOUGHT/412///A1
31P	Transaction Details Consists of: **Trade Date** in format YYMMDD **Originators Exchange**: Filled with “130” for Börse Frankfurt or ”194” for XETRA	6!n3!x////	:31P:120307130////
30	Further Transaction Details Filled with contractual settlement date in format YYMMDD	6!n////	:30:120309////

Tag	Field Name	Format	Example
35A	Type and number of units / nominal value of security Consists of: **Type of Security**, filled with: - "SHS" for all products in unit notation. - "FMT" for all products in per cent notation. **Nominal / Quantity**	3!a10n,3n	:35A:SHS6666,
35B	1st row – ISIN 2nd row – securities short name 3rd row Consists of: - **Custody Type**, filled with "000" - **Unit of Quotation**: "1" for all products in unit notation or "2" for all products in per cent notation.	ISIN!e!12!c 30x 3!n1!n///	35B:ISIN DE0006622400 MOBILCOM AG O.N. 0001///
82D	Counterparty Filled with the 4 digit CBF settlement account of the counterparty.	/4!n	:82D:/1235
87F	Buyer Consists of: "**APMT**" - against payment "**C**" for buyer **4-digit CBF account (Member KV number)**	4!a/1!x/4!x	:87F:APMT/C/1234
87F	Seller Consists of: "**APMT**" - against payment "**D**" for seller **4-digit CBF account (Member KV number)**	4!a/1!x/4!x	:87F:APMT/D/6789

Tag	Field Name	Format	Example
33T	Contract Price Consists of: a)unit notation **Settlement Currency** **Trade Price**, if single (original) trade is reported else calculated by clean settlement amount divided by quantity. b) per cent notation **Denomination Currency** **Trade Price,** in percentage quotation. Trade price of an aggregated position is calculated as the weighted average..	3!a6n,4n	: 33T:EUR537,01
34 G/H	Interest Accrued **Interest days** **Currency** **Accrued Interest** In case of a positive amount 34G is used (label 34 shows G) In case of a negative amount 34H is used (label 34 shows H) Filled for aggregated positions with the sum of the accrued interest amounts of the single trades.	3!n3a10n,2n	:34G:023EUR560534,22 Only used for trades / aggregated positions in per cent notation.
36	Exchange rate	[7n,11n]	Only used if settlement is in non-EUR currencies. Rate is related to one Euro.
34B	Settlement Details **Settlement Currency** **Settlement Amount**	3!a12n,2n	:34B:EUR671266,2

Tag	Field Name	Format	Example
72	Information sender to recipient Consists of: 1st row: – **Originator**; filled with “7501” for XETRA or “7540” for Börse Frankfurt 2nd row: – **Recipient of trade confirmation**; filled with 4-digit CBF settlement account - **WKN** (if available) 3rd row: - **Trade Date** in format YYMMDD - **Trade Time** in format HHMMSSHS 4th row: - **Settlement Location** (Default “CBF”) - **Settlement Account** (CBF settlement account + 4 zeroes + 4 spaces) - **Aggregation Flag** (only for aggregated positions) Default “AGGR” plus 10 spaces.	4!n 4!n/6!x 6!n8!n 3!x12!x5!x5!x5!x	 :72:7501 1236/123456 12030712320000 CBF12360000 AGGR
	Block End	1!x	Always: “-}”

3 Aggregation Processing Report (SWIFT MT518 Format)

3.1 Report Structure

Each report starts with one header message and ends with one trailer message using MT598 (described in chapter 4). Header and trailer message encapsulate the MT518 messages.

Each MT518 message consists of three blocks that are described in the following: blocks 1, 2 and 4. Block 3 is optional and is not printed.

3.1.1 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	Member’s SWIFT address.
Session Number	4!n	Always: “0000”
Sequence Number	6!n	Always: “999999”
Block End	1!x	Always: “}”

3.1.2 Block 2 (Application Header)

Field	Format	Description
Block Starting Point & Identification	3!x	Always: “{2:”
Output Identification	1!x	Always: “O”
Message Type	3!n	Always: “518”
Input Time	4!x	Local time of the sender (HHMM).
Input Reference of the Message: - Input Date	6!x	Date (YYMMDD)
- SWIFT Address	12!x	SWIFT address of the sender, always: “DWZXDEFFBBGA”
-Session Number	4!x	Always: “0000”
- Sequence Number	6!x	Always: “999999”
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: “}”

3.1.3 Block 4 (Text Block)

Fields that are optional have a grey background. Additionally an explanation is given, when the field can be omitted.

Qualifier	Field Name	Format	Comment
	Block Starting Point & Identification	1!x	Always: “{4:”
16R	Start of Block	GENL	GENL
20C	Sender’s message reference Consists of: **Exchange**: Filled with ”130” for Börse Frankfurt (XFRA) or ”194” for XETRA (XETR) **Trade Date** in format YYMMDD **Trade Number**	:SEME//16x	:SEME//1301203079000001

Qualifier	Field Name	Format	Comment
23G	Function of Message	4!c	NEWM
98C	Preparation Date/Time of aggregated positions YYYYMMDD (date) HHMMSS (time)	:4!c//8!n6!n	:PREP//20120307064601
22F	Trade Transaction Type Indicator Default "TRAD"	:4!c/[8c]/4!c	:TRTR//TRAD
16R	Start of Block	LINK	LINK
20C	Master Reference This field is filled with the generated order number of the aggregated position.	:4!c//16x	:MAST//BILAGG9999991 Only shown for single trades, not for aggregated positions.
16S	End of Block	LINK	LINK
16R	Start of Block	LINK	LINK
20C	Related Reference Consists of: **Exchange**: Filled with "130" for Börse Frankfurt (XFRA) or "194" for XETRA (XETR) **Trade Date** in format YYMMDD **Trade Number**	:4!c//16x	:RELA//1301203079999991 Only shown for single trades, not for aggregated positions.
16S	End of Block	LINK	LINK
16R	Start of Block	LINK	LINK
20C	Program Reference Aggregation flag: "AGGR" for aggregated positions or "SING" for single trades.	:4!c//16x	:PROG//AGGR Or :PROG//SING
16S	End of Block	LINK	LINK
16S	End of Block	GENL	GENL
16R	Start of Block	CONFDET	CONFDET
98C	Trade Date/Time YYYYMMDD (date) HHMMSS (time)	:TRAD//8!n6!n	:TRAD//20120307064526

Qualifier	Field Name	Format	Comment
98A	Settlement Date YYYYMMDD	:SETT//8!n	:SETT//20120309
90A or 90B	Deal Price For all products in per cent notation: Calculated average clean price for aggregated positions. Trade clean price for single trades. or For all products in unit notation: Calculated average price for aggregated positions. Trade price for single trades.	:4!c//4!c/15d or :4!c//4!c/3!a15d	:DEAL//PRCT/102,55 or :DEAL//ACTU/EUR12,34
94B	Place of Trade This field is filled with the trading location: “XFRA” for Börse Frankfurt or “XETR” for XETRA	:4!c/[8c]/4!c[/30x]	:TRAD//EXCH/XFRA
19A	Settlement Amount Consists of: Currency Amount: Accumulated amount for aggregated positions or settlement amount for single trades.	:4!c//[N]3!a15d	:SETT//EUR5123123,
22H	Buy/Sell Indicator This field is filled with: “BUYI” for buyer “SELL” for seller	:4!c//4!c	:BUSE//BUYI
22H	Payment Indicator This field is filled with: “APMT” against Payment	:4!c//4!c	:PAYM//APMT
16R	Start of Block	CONFPRTY	CONFPRTY
95P	Selling Party This field is filled with the seller’s BIC.	:4!c//4!a2!a2!c[3!c]	:SELL//COBADEFFXXX

Qualifier	Field Name	Format	Comment
97A	Safekeeping Account This field is filled with the seller’s settlement account at CBF (8 digits with trailing zeroes).	:4!c//35x	:SAFE//70040000
70E	Declaration Details Narrative In case of a single (original) trade this field is filled with the original order number. In case of an aggregated position this field is filled with “BILAGG” and the system generated order number.	:4!c//10*35x	:DECL//123456789 Or :DECL//BILAGG9999991
22F	Party Capacity Indicator This field is filled with “PRIN” for trading as principal or “AGEN” for trading as agent	:4!c/[8c]/4!c	:TRCA//PRIN Or :TRCA//AGEN
16S	End of Block	CONFPRTY	CONFPRTY
16R	Start of Block	CONFPRTY	CONFPRTY
95P	Buying Party This field is filled with the buyer’s BIC.	:4!c//4!a2!a2!c[3!c]	:BUYR//ABCCDEFFXXX
97A	Safekeeping Account This field is filled with the buyer’s settlement account at CBF (8 digits with trailing zeroes).	:4!c//35x	:SAFE//74560000
70E	Declaration Details Narrative In case of a single trade this field is filled with the original order number. In case of an aggregated position this field is filled with “BILAGG” and the system generated order number.	:4!c//10*35x	:DECL//1234567 Or :DECL//BILAGG9999991

Qualifier	Field Name	Format	Comment
22F	Party Capacity Indicator This field is filled with "PRIN" for trading as principal or "AGEN" for trading as agent.	:4!c/[8c]/4!c	:TRCA//PRIN Or :TRCA//AGEN
16S	End of Block	CONFPRTY	CONFPRTY
36B	Quantity of Financial Instrument This field is filled with the quantity for the single trade respective the calculated quantity for an aggregated position. The type is filled with the value"/UNIT" (unit number) for trades in unit notation and with the value "/FAMT" (face amount) for trades in per cent notation.	:4!c//4!c/15d	:CONF//UNIT/5420, Or :CONF//FAMT/5420,
35B	Financial Instrument This field is filled with the ISIN and the long name of the instrument.	[ISIN1!e12!c] [4*35x]	ISIN DE0007664005 VOLKSWAGEN AG
16S	End of Block	CONFDET	CONFDET
16R	Start of Block	SETDET	SETDET
22F	Type of Settlement Transaction Default "TRAD"	:4!c/[8c]/4!c	:SETR//TRAD
16R	Start of Block	AMT	AMT
19A	**Accrued Interest currency code** from T7 – SettlCurrency **Accrued Interest Amount** Field is optional and only shown for trades / aggregated positions in percentage notation. Accrued interest of single trade or aggregated accrued interest for aggregated position	:4!c//[N]3!a15d	:ACRU//EUR123,45 Field is optional and only shown for trades / aggregated positions in percentage notation.

Qualifier	Field Name	Format	Comment
92B	Exchange rate	:4!c//3!a/3!a/15d	:EXCH//EUR/USD/1,294522 For the calculation of the rate itself, the First Currency Code will be the base currency and the Second Currency Code will be the quoted currency (1,00 of First Currency Code = [Rate] of Second Currency Code). Field is optional and only shown if settlement is in non-EUR currencies.
16S	End of Block	AMT	AMT
16S	End of Block	SETDET	SETDET
	Block End	1!x	Always: “-}”

4 MT598 Header / Trailer message

This chapter describes the MT598 Header and Trailer messages.

The message consists of three blocks that are described in the following.

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 recipient.
Session Number	4!n	Always: “0000”
Sequence Number	6!n	Always: “999999”
Block End	1!x	Always: “}”

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 (HHMM)
Input Reference of the Message: - Input Date - SWIFT Address - Session Number - Sequence Number	 6!x 12!x 4!x 6!x	 Date (YYMMDD) SWIFT address of the sender (DWZXDEFFBBGA) Always: “0000” Always: “999999”
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: “}”

Text Block

In the header message the text block has the following format:

Qualifier	Field Name	Format	Example
	Block Starting Point & Identification	3!x	Always: “{4:”
20	Transaction Reference Number	14x	:20:99991203079999 The field is composed of 9999 (default) – trade date (YYMMDD) – 9999 (default)
12	Sub Message Type	3!n	Always: “:12:001”
77E	Narrative Description of the Original Message - Default value - Default value - Default value - Default value - Default value	 4!x1!x16!x 12!x 12!x 12!x 12!x	 Always: “:77E:/TREF XXXXXXXXXXXXXXXX” Always: “/NOIM 000000” Always: “/NOII 000000” Always: “/NOVM 000000” Always: “/NOVI 000000”

Qualifier	Field Name	Format	Example
	- "/TRNA " + Report ID	14!x	/TRNA RPTBA105
	Block End	1!x	Always: "-}"

In the trailer message the text block has the following format:

Qualifier	Field Name	Format	Example
	Block Starting Point & Identification	3!x	Always: "{4:"
20	Transaction Reference Number	14x	:20:99991203079999 The field is composed of 9999 (default) – trade date (YYMMDD) – 9999 (default)
12	Sub Message Type	3!n	:12:099
77E	Narrative Description of the Original Message	4!x1!x6!n	:77E:/NOMS 000002 The number shows the sum of all records including header and footer record
	Block End	1!x	Always: "-}"

5 Change Log

Version	Date	Changes
1.0	17 May 2013	Initial Release Version
1.1	21 August 2023	Bilateral Routing Service - Migration of post-trade processing of bilateral trades to a new technical infrastructure (no functional changes)