X-pand into the Future

e u r e x *circular 117/03*

Date: Frankfurt, November 3, 2003
Recipients: All Eurex members and vendors, CCP members
Authorized by: Daniel Gisler

⚠ **Action required** ⚠ **High Priority**

CCP Release 1.5: Detailed Information about the planned Enhancement of CCP Functionalities on December 8, 2003

Related Eurex Circulars: 103/03

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Content may be most important for:

- Middle + Back Office
- IT / System Administration
- Auditing / Security Coordination

Attachment:
Layout and field values of the „Settled Cash Transactions“ report

Summary:

CCP Release 1.5 was already announced in Circular 103/03. This Circular provides further details of the upcoming enhancements to the CCP software.

The Circular describes enhancements in the following areas:

Member interface (GUI):
New error messages will be provided for downloading. To guarantee smooth support, installation of the corresponding file is mandatory.

CCP reporting:
Adjustments to the CD25x, CE27x und CE26x reports are described. The layout and the field values in the RPTCD25x „Settled Cash Transactions“ report are attached.

CCP Release 1.5: Detailed Information about the planned Enhancement of CCP Functionalities as of December 8, 2003

CCP Release 1.5	
Area	**Implementation details**
Member Interface (GUI)	
Validations / Error Messages – Provision for Download	Additional validations and corresponding error messages will be introduced in the member GUI for the filter criteria "Settlement Account (StlAct)", „Clearing Member (ClrMbr)", „Trading Member (TrdMbr)" to respond to invalid requests in a clear and user-friendly manner. From the simulation start on November 14, 2003, the new error codes and error messages will be available for downloading in the „msgccp.dat" file in the restricted "Member Section" on the Eurex website. Please follow the links "www.eurexchange.com > Member Section > Software Releases CCP > CCP Releases". To install the new error codes and messages, please close down @X-PERT and CCP-Xervice on the CCP MISSes and save the „msgccp.dat" file under the directory specified below on the MISSes and workstations. After installation, please re-start CCP-Xervice and @X-PERT. Simulation from November 14, 2003: MS Windows 2000/XP: <GATE_drive>:\opt\gate\base91\CCP\data\ Sun Solaris: /opt/gate/base91/CCP/data/ Production from December 8, 2003: MS Windows 2000/XP: <GATE_drive>:\opt\gate\base90\CCP\data\ Sun Solaris: /opt/gate/base90/CCP/data/ To guarantee smooth support, installation of the corresponding file is mandatory. Should you have technical questions regarding the update, please do not hesitate to call the Technical Helpdesk at +49-69-211-1 28 00.

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CCP Reporting	
CD25x Settled Cash Transactions – Examples for Reports in Printing and Raw Data Format	After the introduction of Release 1.5, reporting of settled cash transactions for Clearing Members and Settlement Institutions will be available in the form of a newly arranged printable report RPTCD250 or RPTCD251 Settled Cash Transactions as well as in a machine-readable file RAWCD250 or RAWCD251. In addition to the time stamp recording the creation of cash transactions, a flag will be introduced specifying the settlement run in which a cash instruction was generated. In conjunction with this, the cash transactions resulting from the offsetting blocks are assigned to the respective settlement run (SDS1, SDS2, STD). Cash transactions which are due for instruction to LZB (Central Bank) in the SDS1 settlement run of the following business day will be assigned to that SDS1 settlement run and marked accordingly. The layout of the printable report has been changed as follows: In order to distinguish the respective settlement run and the corresponding value dates of cash transactions, the report has been divided into four sections: 1. Cash transactions with value date of the current business day in SDS1 2. Cash transactions with value date of the current business day in SDS2 3. Cash transactions with value date of the following business day in STD 4. Cash transactions with value date of the following business day in SDS1. The raw data report will be based on the standard ASCII raw data format and will be available on the MISSes. As regards content and availability, it will correspond to the newly arranged printable report. On the other hand, totals or calculations will not be produced by or contained in the raw data report. Firstly, each row contains the header information followed by the corresponding data fields. The flag for the respective settlement run will be added to every single cash transaction data record.
Report Examples	An example of both the printable record and the raw data file is available on our website under “www.eurexchange.com > Member Section > Documentation/ Manuals CCP > Functional Manuals“.

CE27x Settled Delivery / Cash Reference – Technical Details	In the RPT/RAWCE27x Settled Delivery Report, a „cash reference“ will be displayed for fully or partly offset trades, for which settlement is due for payment. This cash reference will be included in the report based on the MT536 S.W.I.F.T. format as follows: A new label „/CREF“ will be introduced for the field 70E::TRDE. This label will display the cash reference. The field contains nine numeric digits and will be displayed with leading zeros. Within the 70E::TRDE field, the „/CREF“ field will be inserted between the labels „/REFN“ and „/TEXT“. The „/CREF“ label will always be fed to the 70E::TRDE field, which means that the „/CREF“ label may possibly be filled with blanks. Below is an example of the 70E::TRDE field in MT536 with the „/CREF“ label: :70E::TRDE///CLGM ABCDE/EXCH ABCDE /WKN 500340/IDAY 20031208/CASH Y /NETT S/LATE 04/TNSFX 00000 /ORDNB 0001302518217 /REFN /CREF 000001234 /TEXT /ORDNETT O/CCPSTAT SETTLED /CMSTAT SETTLED/DELVID OFFSET /TYPE STOCK/REPORTREF RAWCE270
CE26x Pending Delivery and CE27x Settled Delivery / Eurex BIC in the Header – Technical Details	For the purpose of unique identification of CCP settlement reports, the header information in the raw data reports RAWCE26x and RAWCE27x in MT536 and MT598 format will be supplemented by the Eurex Bank Identifier Code (BIC). This code, which is EUXCDEFFAXXX, will be entered in the field „S.W.I.F.T Address“ as part of the application header of the MT536 or MT598 data record. Example for an MT536 header: {1:F01XXXXXXXXXXX0000999999}{2:O5361628031219EUXCDEFFAXXX000099999990312191628N}{3:{108:}} Example for an MT598 header: {1:F01XXXXXXXXXXX0000999999}{2:O5981628031219EUXCDEFFAXXX000099999990312191628N}{3:{108:}}

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Layout and Field Values of the “Settled Cash Transactions” Report

RPTCD250 or RPTCD251

The following tables show the sorting criteria and field information of the printable report.

Sorting order:

#	FIELD NAME
1	CLEARING MEMBER
2	CURRENCY
3	LZB ACCOUNT
4	VALUE DATE
5	SETTLEMENT RUN
6	SETTLEMENT ACCOUNT
7	EXCHANGE MEMBER
8	ACCT TYPE

Fields:

REF	FIELD NAME	DESCRIPTION
1	CLEARING MEMBER	Member ID of Clearing Member.
2	CURRENCY	Currency of the equity.
3	LZB ACCOUNT	Central Bank account number.
4	VALUE DATE	Value date.
5	SETTLEMENT RUN	Settlement Run in which the specific cash transaction is settled (SDS1, SDS2, STD, SDS1).
6	SETTLEMENT ACCOUNT	Branch Settlement account.
7	SETTL LOC	Settlement location: e.g. “CBF”.
8	ACCT TYPE	Account type: “A1” or “PP”; blank in case a cash transaction can not be separated for account type.
9	EXCH MEMBER	Member ID of Exchange Member; blank in case a cash transaction can not be separated for Exchange Member.
10	TRAN DATE	Date when the transaction is created.
11	TRAN TIME	Time when the transaction is created.
12	REF	Cash Transaction number.
13	TYPE	Code of the transaction type: “450” – Buy-in cash amount paid. “451” – Buy-in cash amount received. “452” – Cash settlement received. “454” – Cash settlement paid. “456” – Dividend compensation received. “458” – Dividend compensation paid. “460” – Dividend corporate action event corrections received. “462” – Dividend corporate action event corrections paid. “464” – Dividend trade cancellation received. “466” – Dividend trade cancellation paid. “468” – Price difference received. “470” – Price difference paid. “472” – Cash offsetting shares received. “474” – Cash offsetting shares paid. “476” – Equity interest of delay received.

REF	FIELD NAME	DESCRIPTION
		"478" – Equity fine and interest of delay paid. Note: If there are values shown for the types "456" – "462", then these have been entered by Clearing Supervision.
14	DESCRIPTION	Transaction description: "BUY-IN CASH AMT PAID" (450). "BUY-IN CASH AMT RCV" (451). "CASH SETTLEMENT RCV" (452). "CASH SETTLEMENT PAID" (454). "DIVID COMPENS RCV" (456). "DIVID COMPENS PAID" (458). "DIVID CA. CANCEL RCV" (460). "DIVID CA. CANCEL PAID" (462). "DIVID TRD. CANCEL RCV" (464). "DIVID TRD. CANCEL PAID" (466). "PRICE DIFFERENCE RCV" (468). "PRICE DIFFERENCE PAID" (470). "CASH OFFSET SHR RCV" (472). "CASH OFFSET SHR PAID" (474). "EQUITY IOD RCV" (476). "EQUITY FINE + IOD PAID" (478). Note: If there are values shown for the types "456" – "462", then these have been entered by Clearing Supervision.
15	DEBIT	Debit amount.
16	CREDIT	Credit amount.

RAWCD250 or RAWCD251

The following table shows the field information delivered in the raw data report:

RAWCD250		Settled Cash Transactions			
No.	**Field**	**Field Length**	**Data Type**	**Special Format**	**Description**
1	Report ID Code	8	A		Identification of the raw data stream. Values include: "RAWCD250" – Valid data record "ENDCD250" – End of raw data stream.
2	Report Effective Date	8	N	YYYYMMDD	Business day on which the raw data stream is created.
3	Report Processing Date	8	N	YYYYMMDD	Creation day of the raw data stream.
4	Environment Number	2	A		Environment number this raw data file belongs to. Possible values are: "20" – Production environment "21" – Simulation environment
5	Member ID of Clearing Member	5	A		Identification of the Clearing Member

RAWCD250		Settled Cash Transactions			
No.	**Field**	**Field Length**	**Data Type**	**Special Format**	**Description**
6	Settlement Currency	3	A		Security Settlement Currency
7	LZB Account	8	A		Central Bank account number
8	Value Date	8	N	YYYYMMDD	Value Date
9	Settlement run	4	A		Settlement Run in which the specific cash transaction is settled.
10	Settlement Account	12	A		Branch Settlement account
11	Settlement Location	5	A		Settlement location: e.g. “CBF”
12	Account type	2	A		Account type: “A1” or “PP”. Empty if no aggregation on account type level is chosen.
13	Member ID of Exchange member	5	A		Member ID of the Exchange Member. Empty if no aggregation on Exchange Member level is chosen.
14	Transaction date	8	N	YYYYMMDD	Date when the transaction is created.
15	Transaction time	6	N	hhmmss	Time when the transaction is created.
16	Reference ID	9	N		Cash Transaction number

RAWCD250		Settled Cash Transactions			
No.	**Field**	**Field Length**	**Data Type**	**Special Format**	**Description**
17	Transaction type	3	A		Code of the transaction type. “450” – Buy-in cash amount paid. “451” – Buy-in cash amount received. “452” – Cash settlement received. “454” – Cash settlement paid. “456” – Dividend compensation received. “458” – Dividend compensation paid. “460” – Dividend corporate action event corrections received. “462” – Dividend corporate action event corrections paid. “464” – Dividend trade cancellation received. “466” – Dividend trade cancellation paid. “468” – Price difference received. “470” – Price difference paid. “472” – Cash offsetting shares received. “474” – Cash offsetting shares paid. “476” – Equity interest of delay received. “478” – Equity fine and interest of delay paid.
18	Debit	16	N	+12.2	Debit amount
19	Credit	16	N	+12.2	Credit amount