X-pand into the Future

e u r e x *circular 087/00*

Date: Frankfurt, 25 October, 2000
Recipients: All Eurex members and vendors
Authorised by: Jürg Spillmann

⚠ **Action Required** ⚠ **High Priority**

1. **Distribution of Production Kits for Eurex Release 4.1**
2. **SUN Operating System Patches for Eurex Release 4.1**
3. **Support of GATE 2.1 on Combined Installations of Eurex 4.1 and a/c/e 1.0**
4. **Changes to the Raw Data File RAWTC550**
5. **Changes to the X-ceed User Profile Names for Eurex Release 4.1**

Related Eurex Circulars: 027/00, 043/00, 067/00, 070/00, 072/00

Contact: Technical Help-desk: Tel. +49 (0)69-2101-1200

Content may be most important for:	**Attachments:**
➲ All Departments	Raw Data File RAWTC550 specification

Summary:

This circular provides information on the following subjects related to the introduction of Eurex Release 4.1 into production.

1. Distribution of Production Kits for Eurex Release 4.1

After close of trading on Wednesday 25 October, 2000 Eurex will transfer the Release 4.1 Production Kits. In preparation for the transfer, system administrators must ensure that sufficient storage space is available for the Kit in their production environment, and must ensure that the production environment remains connected to Eurex on Wednesday evening.

2. SUN Operating System Patches for Eurex Release 4.1

Additional patch specifications for the Java Development Kit and the SUN operating system are given.

3. Support of GATE 2.1 on Combined Installations of Eurex 4.1 and a/c/e 1.0

In a Multi-Market MISS environment with the Eurex and CBOT trading applications, the standard use of GATE version 2.1 is recommended on Eurex and CBOT workstations.

4. Changes to the Raw Data File RAWTC550

The file length of RAWTC550 (specification attached) has increased by 2 bytes.

5. Changes to the X-ceed User Profile Names for Eurex Release 4.1

The name of the X-ceed User Profile has been changed with the introduction of Eurex Release 4.1.

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2. **SUN Operating System patches for Eurex Release 4.1**
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1. Distribution of Production Kits for Eurex Release 4.1

Eurex Release 4.1 will be introduced into production on **30 October, 2000**. This section updates the information contained in section 8 of the Technical Release Notes attached to Circular 067/00 of 15 August, 2000. Additional details will be provided in the Release Installation Notes which will be transferred as a 'Readme' file and copied into the directories defined below together with the Production software.
An overview of the most important information is given below:

After close of trading on **Wednesday 25 October, 2000** the Eurex Releae 4.1 software will be transferred into the appropriate production-specific environment to all members.

Target Directory and Storage requirements for the File Transfer:

IBM / AIX (UD):	toff00/data/reports/release	20 MB
Compaq / OpenVMS (UD):	toff00$:[toff00.data.reports]	110 MB
IBM AIX (MISS):	/usr/lpp/gate/transferdir/release00	60 MB + 45 MB NT
SUN Solaris (MISS):	/opt/gate/transferdir/release00	65 MB + 45 MB NT
Windows NT (MISS):	<ftp-root directory>\release00	45 MB

Please forward this circular to your system administrator so that any unnecessary files (e.g. Software kits, Theoretical Price Files, reports, etc.) can be removed from the directories before the Production Kit is transferred.

Please make sure that your production environment is connected to the Eurex network on Wednesday evening, October 25, 2000 from 22.00 CET onwards.

If you have not received the Kit by Thursday 26 October, 2000, please contact our Technical Help-desk on +49 (0)69-2101-1200.

After completion of the batch run on **Friday 27 October, 2000** and after all BOF message processing, you may start with the installation of the Eurex Release 4.1 software. **Please ensure that all relevant reports have been selected, since after the change of the Release, no historical reports for the period up to and including 27 October, 2000 will be available. The update should also follow all Back Office processing since after the change of the Release no BOF information for the period up to and including 27 October, 2000 will be available.**

The Eurex Release 4.1 Connection Test will take place between 15:00 and 18:00 CET on **28 October, 2000**. The connection test can be regarded as successful when you are able to view a Eurex-generated message on the Newsboard (D050) or Market Supervision Window.

For questions during the connection test, the following Eurex hot-lines will be available:

Technical Help-desk:	Tel.	+49 (0)69-2101-1200
Functional Member Readiness:	Tel.	+49 (0)69-2101-1700
Technical Help-desk Zürich:	Tel.	+41 (0)1-229-2992

2. SUN Operating System Patches for Eurex Release 4.1

In order to support the Eurex Clearing GUI after introduction of Eurex Release 4.1 on SUN MISS/Workstation installations, the following patches should be installed in addition to those specified for the Java Development Kit and Java Runtime Environment 1.2.2_006 in the Sizing Guidelines published with Circular 070/00:

2.6	(5.6)	107733-08 required	Linker Patch
2.6	(5.6)	105568-17 required	Libthread Patch
2.6	(5.6)	105210-27 required	LibC Patch
2.6	(5.6)	106040-13 required	X Input & Output Method Patch
2.6	(5.6)	105633-41 required	(1) OpenWindows 3.6: Xsun Patch
2.6	(5.6)	106409-01 required	(2) Fixes the Chinese TrueType fonts
2.6	(5.6)	108091-03 required	(3) SunOS 5.6: ssJDK1.2.1_03 fails with fatal error in ISO 8859-1 Locales
2.6	(5.6)	105181-21 recommended	Kernel Update (socket close/hang)
2.6	(5.6)	105669-10 recommended	CDE 1.2: libDTSvc Patch (dtmail)
2.6	(5.6)	105284-34 recommended	Motif 1.2.7: Runtime library patch

(1) - This patch is required in Asiatic areas
(2) - This patch is required to display traditional Chinese characters in Swing applications
(3) - This patch (10891-03 or later) is required for all areas where the ISO 8859-1 or ISO 8859-15 character sets are decoded.

The Java software will be delivered together with the Eurex Release 4.1 software, and installed in the directory "/opt/gate/java/jre1.2.2_006". The installed Java version can be checked using the command "/opt/gate/java/jre1.2.2_006/bin/java -version". The required patches can be downloaded from the SUN Web-Site (http://sunsolve.sun.com/pub-cgi/show.pl?target=patches/patch-access).

3. Support of GATE 2.1 on Combined Installations of Eurex 4.1 and a/c/e 1.0

In a MISS environment where both the Eurex and CBOT trading applications are installed, the uniform installation of GATE 2.1 as standard on CBOT and Eurex Workstations within a single LAN is recommended.

Problems may occur when a/c/e Release 1.0 (using GATE 2.0) and Eurex Release 4.1 (under GATE 2.1) are operated in a single MISS/Workstation LAN segment. In such cases, because the Broadcast Stream formats are not compatible, the Log File (elb.local.log) will contain an ("Assertion failed...") failure message.

4. Changes to the Raw Data File RAWTC550

The length of the field **EXER-PRC-RWTC550** has been extended form 5 to 6 bytes. As this field occurs twice in the report, the report length has increased by two bytes in total. The changes are highlighted in the revised version of the report layout, attached.

5. Changes to the X-ceed User Profile Names for Eurex Release 4.1

The names of X-ceed User Profiles have been changed with the introduction of Eurex Release 4.1

Previous Name	:	<user>.X-ceed.vr
New Name (Eurex)	:	<user>X-ceed.XEUR.vr
New Name (CBOT)	:	<user>X-ceed.XCBT.vr

These changes only concern the File names; the internal structure of the User Profiles are unaltered. On the start of the release, the Eurex Release 4.1 trading application will attempt to use the User Profiles with the new file names. If the application is unable to find them, the default profile will be used. In order to use the Eurex Release 4,0 User Profiles the old User Profiles must be re-named in line with the scheme above. You can find the current User Profile on UNIX (SUN, AIX) in the home directory, and on NT in the homedrive /homepath, of the User (User name used for initial log in).

Frankfurt 25 October, 2000

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Changes in the Raw Data File RAWTC550 / Eurex Release 4.1

The field length of **EXER-PRC-RWTC550** has increased from 5 to 6 bytes. Due to the fact that this field occurs twice, the report length has increased by 2 bytes (the changed line is marked in bold):

```
01  RWTC550-WS-REC.
    05  RAW-KEY-GRP-RWTC550.
        10  RAW-ID-COD-RWTC550               PIC X(8).
        10  RAW-DAT-GRP-RWTC550.
            15  RAW-EFF-DAT-RWTC550          PIC 9(8).
            15  RAW-CRT-PROC-DAT-RWTC550     PIC 9(8).
        10  ENV-NO-TXT-RWTC550.
            15  ENV-NO-1-TXT-RWTC550         PIC X(1).
            15  ENV-NO-2-TXT-RWTC550         PIC X(1).
        10  MEMB-EXC-ID-COD-RWTC550.
            15  MEMB-IST-ID-COD-RWTC550      PIC X(3).
            15  MEMB-BRN-ID-COD-RWTC550      PIC X(2).
        10  PART-ID-COD-RWTC550.
            15  PART-SUB-GRP-COD-RWTC550     PIC X(3).
            15  PART-NO-RWTC550              PIC X(3).
            15  SECU-ID-COD-RWTC550          PIC X(4).
        10  SERI-CMB-GRP-RWTC550 OCCURS 2 TIMES.
            15  SERI-GRP-ID-COD-RWTC550.
                20  SERI-CLAS-COD-RWTC550    PIC X(1).
                20  SERI-EXP-DAT-RWTC550.
                    25  EXPI-YR-DAT-RWTC550  PIC 9(2).
                    25  EXPI-MTH-DAT-RWTC550 PIC 9(2).
                20  EXER-PRC-RWTC550         PIC 9(6).
                20  SERI-VERS-NO-RWTC550     PIC 9(1).
        10  ACCT-TYP-COD-GRP-RWTC550.
            15  ACCT-TYP-COD-RWTC550         PIC X(1).
            15  ACCT-TYP-NO-RWTC550          PIC X(1).
        10  ORDR-NO-RWTC550                  PIC 9(9).
    05  REPT-DATA-GRP-RWTC550.
        10  REPT-REC-1-GRP-RWTC550.
            15  ORDR-BUY-COD-RWTC550         PIC X(1).
            15  OPEN-COD-RWTC550             PIC X(1).
            15  ORDR-QTY-RWTC550             PIC ----9.
            15  ORDR-EXE-QTY-RWTC550         PIC ----9.
            15  ORDR-EXE-PRC-RWTC550         PIC X(9).
            15  ORDR-TYP-COD-RWTC550         PIC X(1).
            15  ORDR-EXP-DAT-RWTC550         PIC 9(10).
            15  ORDR-ENT-DAT-RWTC550         PIC 9(10).
            15  TRAN-TIM-RWTC550             PIC 9(8).
            15  MEMB-EXC-USR-ID-COD-RWTC550.
                20  MEMB-USR-IST-ID-COD-RWTC550
                                             PIC X(3).
                20  MEMB-USR-BRN-ID-COD-RWTC550
                                             PIC X(2).
            15  ORDR-TXT-GRP-RWTC550.
                20  CUSTOMER-RWTC550         PIC X(12).
                20  USER-ORD-NUM-RWTC550     PIC X(12).
                20  TEXT-RWTC550             PIC X(12).
            15  ORDR-STS-COD-RWTC550         PIC X(1).
```