e u r e x *circular 48/99*

To: All Eurex members and vendors

Date: Frankfurt, 7th June 1999

1. Issue of Release 3.0 Functional and Technical Release Notes
2. Revised Release 3.0 Simulation Calendar

Dear Sir or Madam,

1. Functional And Technical Release Notes

The Functional and Technical Release Notes for Eurex Release 3.0 are attached. These two documents supplement, but do not replace, the Preliminary Release Notes issued with Eurex Circular 15/99.

The Functional Release Notes includes a description of a Pro-rata Matching algorithm that will be included in Release 3.0. It is planned to assign the Eurex Short-term Interest Rate (STIR) Futures to this new matching algorithm. Dependent on the agreement of the Eurex Exchange Council and the Eurex Executive Board, the current preliminary intention is to introduce the Pro-rata Matcher for both Eurex STIR futures (FEU1 and FEU3) on 14th September 1999.

A new Trade Reversal facility, for use by Market Supervision in the event of Mistrades, is also described.

2. Simulation Calendar

The attached Release 3.0 Simulation Calendar has been revised in response to members' requests to extend the hours available for simulation during the period designated for Year 2000 simulation.
It also includes a focus day for the Pro-rata Matching facility announced in the Functional Release Notes.

If you have any questions, please contact Eurex Member Readiness on Tel. +49 (0)69 2101-1700.

Yours sincerely,

Jörg Franke Hartmut Klein

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Eurex Release 3.0

Functional Release Notes

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1 General Information

The focus of Eurex Release 3.0 is the introduction of the new Eurex front end technology, with the open standardized interface (VALUES API). On the basis of this interface, Eurex is providing a modern graphical user interface (GUI) which, in this release, will support all trading functions. The front end application providing other Eurex functions (i.e., clearing and trader administration) has been ported to the new front end technology. The current User Device can be replaced completely. For detailed information about the functionality of the GUI refer to the Functional Description of the new front end (Eurex Circular 15/99) or the Eurex Trading System User Guide (Document X0003800). The new and updated functional documentation is listed in Appendix B and will be available at the end of June 1999.

Due to increased volume at Eurex, several sizing changes in data fields (see Appendix A) were done for Release 3.0.

1.1 Pro Rata Matcher [1]

Currently, all futures products are processed by a matching algorithm based on time and price priority. For this reason, an order entered first and associated with the best inside market price is processed first (first-in-first-out principle). When the best inside market price does not change, other orders in the order book are not considered until this order is completely matched and therefore removed from the order book.

When matching against an incoming order, the Pro Rata allocation algorithm takes into account each order in the order book at the inside market price according to its overall percentage and regardless of its time stamp. The Pro Rata principle avoids an imbalance between orders with small and large quantities. Therefore, Pro Rata matching is regarded as the most appropriate matching method for STIR (Short Term Interest Rate) products.

With Eurex Release 3.0 Pro Rata Matching will be available. For members using futures products associated to Pro Rata matching, the lack of availability of spreads for Pro Rata products is the only change recognizable. At the same time, for an exchange member this is the only feature to check within the Eurex system whether or not a futures product is associated with Pro Rata matching. Market Supervision will inform the members if a matching algorithm for a product is changed.

For detailed information about the Pro Rata Matcher refer to the Eurex Trading System User Guide (Document X0003800) or the Eurex Member Manual Trading (Document X0003900).

[1] The Pro Rata Matcher is a new system functionality that was developed within Eurex Release 3.0. Pro Rata products have not yet been introduced. The introduction will be announced based on a decision by the Eurex board of directors.

1.2 Trade Reversals

A new processing for the handling of mistrades will be introduced. This automatic trade reversal processing updates fees, market information and position data.

1.2.1 Fees

The fee amounts of the involved parties will be automatically reduced by the amount of the trade fee for the mistrade. Therefore, it may be possible to get a negative fee amount for the reversal transaction itself.

1.2.2 Correction of data, position update

The following information in the system will be updated as a result of the new processing functionality:

The clearing positions of parties involved in mistrade will be updated. The following information will be corrected in this context:

- Premiums
- Trade volume
- Clearing position: Short/long position of member per contract and per account
- Clearing member: Total fees and premiums

The following market information will be updated:

- Prices: The last traded price of the day as well as the high/low will be updated if necessary.
- Quantities: Total trade quantities will be reduced by amount of mistrade quantities. The last traded quantity will be updated if the mistrade is still reflected in the value.

The following statistical information will be updated:

- Total traded quantity in the corresponding series
- Open Interest
- Totals trade volume per product

1.2.3 Visibility of mistrades

Once a trade was reversed by Market Supervision it will be invisible on “Online Time and Sales sheet” (C080). All other trade inquiries are not modified and will display all positions involved in a reversal.

1.2.4 Disseminated information

When a trade is reversed the affected members and their clearing members will be informed via a BOF Position Transaction message for the User Device and a Trade Confirmation Message for the MISSes. The members will receive the transmissions in form of trade confirmations like for a regular trade. The inside market broadcast will contain adjustments regarding the highest/lowest daily price, the last traded quantity and price as well as the total traded quantity.

2 Screen changes

Listed below are the CUI-screens (character user interface) which have been added or modified with the introduction of Eurex Release 3.0.

2.1 Added Screen A047

With the introduction of the GUI Trading System, a new Screen A047 has also been introduced. This screen is used to control the access rights for the Eurex Trading System. Below you will find the screen description as documented in Eurex User Manual – System Security (Document X0004103).

User Setup – GUI Inquiry

Screen name:	User Setup – GUI INQUIRY
Screen code:	A047
Screen type:	Updateable display

Purpose:

This screen is used by the Security Coordinator to change the authorisation for a user to access the individual windows.

Restrictions:

None.

Notes for the user:

The data form is different from the other screens A040-A046 because the access levels are listed with their actual name rather than by number to make their handling easier.

As soon as the Security Coordinator has set up a new profile using the profile screens A042 (User Setup Clearing Member) and/or A043 (User Setup Member Screens), the system defines all authorisations on screens A044, A045, A046 and A047 for the first time. The new profile is based on the standard data defined for the exchange participant by Eurex, or the user's existing authorisations are taken over by copying the profile with the COPY FROM function.

For this reason, the "A" (Add), "D" (Delete) and COPY FROM functions are not supported on this screen, but the existing authorisations can be changed with the "C" function (Change) for the respective user. The standard data is overwritten and the new profile is confirmed by pressing the Return key.

The functionality behind the Reset Password input field is different to the other access levels. The Security Coordinator can reset a participant's password to the default case sensitive password "EUREXPWD" by setting the access level to "1". With regards to the reset password option on this screen two validations are performed. Firstly there is a common validation for all resource access rights to check that a participant will not have more access rights than the member. The second validation performs a search through the resource access table to ensure that the correct resource access identity code is generated and this must then be matched against the correct password identity code. If both validations are found to be true the password is reset to an automatic default password and the access level is reset to "0".

---------- INPUT FIELDS ----------

REF	FIELD NAME	SIZE	DESCRIPTION	VALID ENTRIES
1	MEMBER ID CODE	5	Member ID code	Valid code
2	ACTION CODE	1	Code for desired function	"I" = Inquiry "C" = Change
3	PARTICIPANT SUBGROUP	3	Code of user's subgroup	Valid subgroup of participant
4	COPY FROM	6	ID Code of user whose profile is to be copied	No inputs permissible
5	PARTICIPANT NUMBER	3	User ID code	User ID code in subgroup

---------- DEFINITION FIELDS ----------

REF	FIELD NAME	SIZE	DESCRIPTION	VALID ENTRIES
6	RESOURCE ACCESS LEVELS: GUI Interface	1	Code for user's access level	"0" = No access "1" = Access

```
           1         2         3         4         5         6         7
8

01234567890123456789012345678901234567890123456789012345678901234567890123456789
01| Eurex                   USER SETUP   -   GUI INQUIRY            12-11-99
11:43
02| A047                                                           USER ID:
EXCSPV
03|
04| MEMBER ID CODE        : Eurex (1)        ACTION CODE : I (2)
05| PARTICIPANT SUB GROUP : EXC   (3)        COPY FROM   :   (4)
06| PARTICIPANT NUMBER    : SPV   (5)
07|
08|                       RESOURCE ACCESS LEVELS: GUI INTERFACE
09|                       (6)
10|     ORDER INQUIRY:                  0    TICKER:                         0
11|     COMBINATION INQUIRY:            0    USER DETAILS:                   0
12|     INSIDE MARKET:                  0    SUBSCRIBE QUOTE REQUEST         0
13|     EXTENDED INSIDE MARKET:         0    MARKET SUPERVISION INFO:        0
14|     QUOTE INQUIRY:                  0    PRODUCT INFORMATION:            0
15|     COMBINATION QUOTE INQUIRY:      0    EXTENDED CONTRACT DATA:         0
16|     BO MESSAGES:                    0    TIME AND SALES SHEET:           0
17|     BO RE-SEND:                     0    CHANGE PASSWORD:                0
18|     OWN TRADES:                     0    LOGIN:                          0
19|     TRADES FOR RELATED NON-CLEARER: 0
20|
21|                                          RESET PASSWORD:                 0
22|
```

2.2 Modified Screens

In the appendix you will find the list of modified screens together with the actual changes. For a more detailed description of these screens, we ask you to refer to the Eurex Member Manual Trading (Document X0003900) and Eurex Member Manual Clearing (Document X0004000).

3 Reports

Listed below are the reports which have been added or modified with the introduction of Eurex Release 3.0.

3.1 Added Reports

None.

3.2 Modified Reports

In the appendix you will find the list of modified reports together with the actual changes. For a more detailed description of these reports, we ask you to refer to the Eurex Member Manual Trading (Document X0003900) and Eurex Member Manual Clearing (Document X0004000).

4 Appendix A – List of modifications

4.1 Screens

ID	Screen long name	Short description of change
A047	USER SETUP - GUI INQUIRIES	Creation of new screen to maintain access rights for the new GUI related backend inquiries
C040	PRODUCT OVERVIEW	Increase displayed call and put volume from 999,999 to 9999999
C050	OPTIONS CONTRACT OVERVIEW	Increase displayed call and put volume from 999,999 to 9999999
C060	OPTIONS MARKET STATISTICS	Increase displayed daily call and put volume and 5-Day average volume from 999,999 to 9999999
C080	ONLINE TIME AND SALES SHEET	Increase exercise price fields from 99999 to 999999
E020	SETTLEMENT PRICES	Increase exercise price fields from 99999 to 999999
F010	POSITION SUMMARY INQUIRY	Increase cash amount field from 99,999,999.99 to 999,999,999.99
F020	POSITION DETAIL INQUIRY	Increase premium amount field from 99,999,999.99 to 999,999,999.99
F050	CLEARING INSTRUCTIONS SELECTION	Increase total premium field from 99,999,999.99 to 999,999,999.99
F060	TRADE SEPARATION	Increase premium field from 99,999,999.99 to 999,999,999.99
F070	TRADE OPEN/CLOSE ADJUSTMENT	Increase premium field from 99,999,999.99 to 999,999,999.99
F080	TRADE ACCOUNT TRANSFER	Increase premium field from 99,999,999.99 to 999,999,999.99

ID	Screen long name	Short description of change
G010	DAILY MARGIN INQUIRY	Increase options premium margin field and future spread margin from –999,999,999 to –9,999,999,999
I010	CASH ACCOUNT SUMMARY INQUIRY	Increase prior day close field and current balance field from 999,999,999.99 to 9,999,999,999.99
I020	CASH ACCOUNT DETAIL INQUIRY	Increase prior day close field, transaction field, current balance field and movement field from 999,999,999.99 to 9,999,999,999.99
I040	SECURITY MOVEMENT INQUIRY	Increase prior day close field and current balance field (bulk/total) from 999,999,999.99 to 9,999,999,999.99
I060	SECURITY SUMMARY POSITION INQUIRY	Increase bulk field from 999,999,999.99 to 9,999,999,999.99
I080	SECURITY VALUATION INQUIRY	Increase market and collateral fields from 999,999,999 to 9,999,999,999 and bulk field from 999,999,999.99 to 9,999,999,999.99
I100	DAILY SETTLEMENT INQUIRY	Increase margin requirement amount fields from 999,999,999.99 to 9,999,999,999.99
I110	EXCESS COLLATERAL INQUIRY	Increase withdrawal field from 999,999,999 to 9,999,999,999
I140	CASH CALL INQUIRY	Increase cash call amount fields and the margin call amount fields from 99,999.99 to 9,999,999,999.99 and the securities field from 999,999,999 to 9,999,999,999.
K051	MAINTAIN SECURITY – MEMBER SCREEN	Display decimal field validation is changed to allow alphanumeric characters
N020	GIVE-UP DESIGNATION BY ORDER	The input of a product id has become mandatory. Increase total premium field from 99,999,999.99 to 999,999,999.99.
N040	TAKE-UP INQUIRY	The mass take-up function (function key F8) is no longer possible.

ID	Screen long name	Short description of change
N050	TAKE-UP ACCEPTANCE BY ORDER	The input of a product id has become mandatory. Increase total premium field from 99,999,999.99 to 999,999,999.99 and the premium column from 99999999.99 to 999999999.99
N060	TAKE-UP ACCEPTANCE BY ORDER	The input of a product id has become mandatory.
SHIFT	Screen Handling Image for Trading	FUTS: Last paid quantity from 9999 to 999999 CSBK: Increase displayed total volume from 99999 to 9999999 Line Inquiry : Increase displayed total volume from 99999 to 9999999

4.2 Reports

Report ID	Report Short Name	Short Description of Change
RPTCA051	CAPITAL ADJUSTMENT SERIES	Increase field OPEN INTEREST from ZZZ,ZZ9 to ZZZZZZ9
RPTCB010	POSITION DETAIL	Increase field VARIATION MARGIN/PREMIUM from ZZ,ZZZ,ZZ9.99- to ZZZ,ZZZ,ZZ9.99-
RPTCB080	PREMIUM SUMMARY	Increase PRIMIUM PAYABLE field and PRIMIUM RECEIVABLE field and NET CURRENT DAY field from ZZZ,ZZZ,ZZ9.99 to Z,ZZZ,ZZZ,ZZ9.99
RPTCB090	PREMIUM OVERALL SUMMARY	Increase premium field from 99,999,999.99 to 999,999,999.99
RPTCC010	PREMIUM MARGIN	Increase total per margin group and per account for PRIMIUM MARGIN field from ZZZ,ZZZ,ZZ9.99 to format Z,ZZZ,ZZZ,ZZ9.99
RPTCC020	FUTURES SPREAD MARGIN	Account total changed from ZZZ,ZZZ,ZZ9.99- to Z,ZZZ,ZZZ,ZZ9.99-
RPTCC045	ADDITIONAL MARGIN	Additional Margin UP/DOWN, Adjusted UP/DOWN, Add Margin, Margin Group Total changed from Z,ZZZ,ZZ9.99- to ZZZ,ZZZ,ZZ9.99- and extension of EXCHANGE RATE field from Z,ZZZ,ZZ9.99999 to Z,ZZZ,ZZ9.999999 and removal of CONVERSION UNIT field
RPTCC050	DAILY MARGIN	Total for Premium and Spread change from ZZZ,ZZZ,ZZ9.99- to Z,ZZZ,ZZZ,ZZ9.99-
RPTCC060	DAILY MARGIN SUMMARY	Increase OPTION PREMIUM MARGIN filed and FUTURE MARGIN field from ZZZ,ZZZ,ZZ9.99 to Z,ZZZ,ZZZ,ZZ9.99
RPTCD020	SECURITY MOVEMENT AND COVERAGE	Increase of Bulk and Balance from ZZZ,ZZZ,ZZ9.99 to Z,ZZZ,ZZZ,ZZ9.99
RPTCD031	DAILY SECURITIES VALUATION	Increase field MARKET VALUE and field COLLATERAL VALUE from ZZZ,ZZZ,ZZ9 to Z,ZZZ,ZZZ,ZZ9 . Increase field MARKET VALUE TOTAL PER CURRENCY and field COLLATERAL VALUE TOTAL PER CURRENCY from Z,ZZZ,ZZZ,ZZ9 to ZZ,ZZZ,ZZZ,ZZ9.

Report ID	Report Short Name	Short Description of Change
RPTCD042	DAILY SETTLEMENT STATEMENT	Increase field REQUIRED REMITTANCES / CASH CALL and field TOTAL and CASH ACCOUNT field and SECURITY field from ZZZ,ZZZ,ZZ9.99 to Z,ZZZ,ZZZ,ZZ9.99 and increase MARGIN CALL field from 99,999,999.99 to 9,999,999,999.99
RPTCD070	MONTHLY CASH ACCOUNT STATEMENT	Increase field DEBIT and field CREDIT from ZZZ,ZZZ,ZZ9.99 to Z,ZZZ,ZZZ,ZZ9.99
RPTCD080	MONTHLY SECURITY MOVEMENT AND COVERAGE	Increase of Bulk and Balance from ZZZ,ZZZ,ZZ9.99 to Z,ZZZ,ZZZ,ZZ9.99
RPTTD930	DAILY TRADE STATISTICS	Increase field OPEN INTEREST TOTAL per CLASS and TOTAL per PRODUCT from Z,ZZZ,ZZ9 to ZZZ,ZZZ,ZZ9. Increase field DAILY VOLUME from ZZZ,ZZ9 to Z,ZZZ,ZZ9 and field M0NTHLY VOLUME from Z,ZZZ,ZZ9 to ZZZ,ZZZ,ZZ9
RPTTD960	MONTHLY TRADE STATISTICS/CONTR	Increase format for the following fields OPEN INTEREST HIGH, OPEN INTEREST LOW, TOTAL TRADE VOLUME, TRADE HIGH VOLUME, SETTLING TOTAL, TOTAL TRADES, TOTAL TRADE VOLUME per CLASS, per PRODUCT, per PRODUCT TYPE, SETTLING TOTAL per CLASS, per PRODUCT, per PRODUCT TYPE and TOTAL TRADES per CLASS, per PRODUCT, per PRODUCT TYPE from ZZZZZ9 to ZZZZZZ9 and increase TRADE LOW VOLUME and AVERAGE VOLUME from ZZZZ9 to ZZZZZ9
RPTTD961	MONTHLY STATISTICS BY CLASS	Increase format for TOTAL TRADING VOLUME, TOTAL TRADES, TOTAL TRADES VOLUME per PRODUCT and per PRD TYPE and TOTAL TRADES per PRODUCT and per PRD TYPE from Z,ZZZ,ZZ9 to ZZ,ZZZ,ZZ9 increase EXERCISED TOTAL, EXERCISED TOTAL per PRODUCT and per PRD TYPE from ZZ,ZZZ,ZZ9 to ZZZ,ZZZ,ZZ9 increase TRADE HIGH VOLUME and TRADE AVERAGE VOLUME from ZZZZZ9 to ZZZZZZ9 and increase TRADE LOW VOLUME and AVERAGE CONTR/TRADE from ZZZZ9 to ZZZZZ9

Report ID	Report Short Name	Short Description of Change
RPTTD962	YTD TRADING STATISTICS	Increase format for the following field TOTAL TRADE VOLUME, SETTLED TOTAL and TOTAL TRADE VOLUME and SETTLED TOTAL per PRODUCT and per PRD TYPE from ZZZZZZZZZ9 to ZZZZZZZZZZ9 increase TRADE HIGH, LOW, AVERAGE VOLUME, TOTAL TRADES and TOTAL TRADES per PRODUCT and per PRD TYPE from ZZZZZZZZ9 to ZZZZZZZZZ9 increase AVERAGE CTR/TRADE from ZZZZ9 to ZZZZZ9
RPTTD963	EXCHANGE VOLUME STATISTICS	Increase field TRADE VOLUMES - TOTAL PRODUCT and TOTAL PRODUCT TYPE (January to December) - from ZZZZZ9 to ZZZZZZ9
RPTTD970	TRADING VOLUME & MKT SHR - OPT	Increase field TOTAL TRADES for calls and puts (CURRENT DAY and MONTH TO DATE) from ZZZZ9 to ZZZZZZ9. Increase field TOTAL PER PRODUCT for all four columns from Z,ZZZ,ZZ9 to ZZ,ZZZ,ZZ9
RPTTD975	TRADING VOLUME & MKT SHR - FUT	Increase field MONTH-TO-DATE PRODUCT TOTAL CONTRACT VOLUME from Z,ZZZ,ZZ9 to ZZ,ZZZ,ZZ9 as well as the field TOTAL TRADES FOR THE CURRENT DAY and field TOTAL TRADES FOR THE CURRENT DAY from ZZZZ9 to ZZZZZZ9

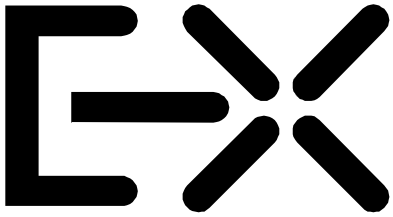
5 Appendix B – Eurex Functional Documentation

The new and updated functional documentation will be available at the end of June 1999.

New Eurex Documentation (MISS)	
Document ID	**Name of the Document**
X0003800	Eurex Trading System User Guide

Updated Eurex Documentation (UD)	
Document ID	**Name of the Document**
X0003900	Eurex Member Manual Trading System Description
X0004000	Eurex Member Manual Clearing System Description
X0004101	Eurex User Manual Information Manual
X0004102	Eurex User Manual System Overview
X0004103	Eurex User Manual System Security

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Eurex Release 3.0

Technical Release Notes

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1 General Information

The focus of Eurex Release 3.0 is the introduction of the new Eurex front end technology, with the open standardized interface (VALUES API). On the basis of this interface, Eurex is providing a modern graphical user interface (GUI) which, in this release, will support all trading functions. The front end application providing other Eurex functions (i.e., clearing and trader administration) has been ported to the new front end technology. The current User Device can be replaced completely. For detailed information about the migration from a User Device to the MISS-based front end, refer to Eurex Member Migration Recommendation (see Eurex Circular 25/99). The new and updated technical documentation is listed in Appendix A and will be available at the end of June 1999. Appendix B provides an overview that compares the main terms of the current UD architecture with the new MISS architecture.

1.1 Operating Systems and Disk Space Requirement

The new Eurex front end is provided on a variety of platforms:

- Compaq AXP / OpenVMS
- IBM RS/6000 / AIX
- Windows/NT (Intel)
- Sun Solaris

For details on the supported operating system versions, patch levels and hardware requirements please refer to the Eurex Release 3.0 Sizing Guidelines for MISS/WS.

With Eurex Release 3.0 the User Device / Satellite technology continues to be supported. Details on software and hardware requirements are provided in the User Device / Satellite Technical Overview (Document X0005200) and in the User Device / Satellite Operation and Administration User Guide (Document X0005300) for UDs / Satellites.

1.2 Release Installation Notes (User Device)

Release Installation Notes for simulation and production will be distributed some days before installation and connection test via Eurex-MAIL (simulation and production).

Note: It is necessary that the "Eurex-MAIL" job on the production User Device is started in order to receive “Release Installation Notes“.

1.3 Release Installation Notes (MISS Front End)

Release Installation Notes for simulation and production will be distributed on CD.

2 User Device (COMPAQ AXP/OpenVMS and IBM RS/6000/AIX)

2.1 Back- and Front- office Interfaces

A short description about the major changes has been included in the Functional Release Notes for Eurex Release 3.0.

2.2 File Interface

For a detailed description of file interface changes please refer to the Eurex Preliminary Release Notes (Eurex Circular 15/99).

3 MISS (SUN Solaris, IBM RS/6000 / AIX, MS Windows/NT(Intel), COMPAQ AXP/OpenVMS)

With the new Eurex front end the open standardized interface (VALUES API) is used. On the basis of this interface, Eurex is providing a modern graphical user interface (GUI) which, in this release, will support all trading functions. To use this new interface, a new architecture has been introduced. This consists of MISSes (Member Integration System Server) and WSs (Workstation). The MISS is used to establish the connection to the Eurex back end and to provide interface specific services. The WS is used to start the new GUI front end.

For a detailed description of the new interface please refer to the Eurex Circular 15/99. A VALUES API description is available via the Eurex homepage (www.eurexchange.com) in “Access to Eurex - Technical Infrastructure”. For a comparison between User Device Interfaces and VALUES API Equivalents refer to the Eurex Circular 44/99. The MISS Raw Data files have the same layout as for the UD. For a description of the Raw Data file changes please refer to the Eurex Preliminary Release Notes (Eurex Circular 15/99).

4 Software Introduction in Production

The software introduction is a standardized process. All current users will stay on the UD technology in Release 3.0 for at least two weeks. Member who plan to migrate from UD to MISS front ends during Eurex Release 3.0 introduction can find important information in the Eurex Member Migration Recommendation. For Eurex 3.0 two different introduction processes are distinguished:

1) UD installation: This applies to all current Eurex members.

Relevant part: 4.1 (see below)

2) MISS installation: This applies to Eurex members who start with the MISS technology.

Relevant part: 4.2 (see below)

4.1 UD Introduction

4.1.1 Wednesday, August 18th, 1999 - UD software transfer

Eurex will send the UD software to the members. Please check for a complete file transfer across the network.

4.1.2 Friday, August 20th, 1999 - batch processing

The Eurex batch will be executed with software Release Eurex 2.0. Therefore, no specific actions need to be taken by the Eurex member. BOF messages, PTCs and reports are sent out as usual. Eurex will delete all outstanding BOF messages and PTCs after this batch run at approximately 9.30 p.m.



If the BOF messages and PTCs are required, qualified personnel should be available to be able to receive them. BOF messages and PTCs not received cannot be resent at a later time.

Historical report availability

After Eurex has introduced software version Eurex 3.0, no historical reports prior to the business day August 23rd, 1999 can be retrieved via screen J010, selected historical reports may be empty. It has to be checked that the selected reports have been received before Friday, August 20th, 1999. After batch processing on Friday, August 20th, 1999, it will not be possible to recreate historical reports created by software version Eurex 2.0.

Through installation of Eurex Release 3.0 software on the UD/SAT all BOF and PMI data will be deleted, in particular the files FPBOFINT and FPPMIINT will be cleared.

4.1.3 Friday, August 20th, 1999 - UD installation

After receiving all BOF messages, PTCs and reports the installation of Eurex 3.0 can be started at any time.

4.1.4 Saturday, August 21st, 1999 - connection test

The connection test applies to all members.

The Eurex architecture will be available from 10.00 a.m. to 2.00 p.m. It is necessary to verify that all systems are upgraded. The upgrade is mandatory in order to be able to trade at Eurex on August 23rd 1999 after introduction of Eurex 3.0 software.

To verify the set-up it is recommended that all systems (including back-up devices) are connected to the Eurex architecture and a logon with an arbitrary trader account should be attempted.

4.1.5 Monday, August 23th, 1999 - Eurex Rel. 3.0 (UD) first trading day

Starting this day, access to Eurex is only possible with the new UD Release 3.0 software.

4.2 MISS Introduction

This section is not applicable to members who are not migrating to a MISS at this stage.

4.2.1 Wednesday, September 1st, 1999 - MISS software transfer

Eurex will send the MISS software to the members. Please check for a complete file transfer across the network.

4.2.2 Thursday, September 2nd, 1999 - installation MISS/WS

Starting Thursday, the installation of the front end software can be started. For further details refer to Eurex Front End Installation Guide and Eurex Front End Operations Guide.

The installation of a separate MISS can be started as soon as the kit is received.



When migrating from a UD to a MISS on the same physical machine, installation should not start before the Batch and BOF Message transfer have been completed on Friday September 3rd 1999.

4.2.3 Saturday, September 4th, 1999 - connection test

The connection test applies to all members with MISSes. Member with only UDs do not need to participate.

The Eurex architecture will be available from 9.00 a.m. to 1.00 p.m. Please make sure that all systems are installed. The complete installation is necessary in order to be able to trade using the new front end at Eurex on September 6th, 1999.

To verify the set-up, we recommend to connect all systems (including back-up devices) to the Eurex architecture and logon with an arbitrary trader account. To check the setups of the broadcast subscriptions the exchange will send public broadcasts.

4.2.4 Monday, September 6th, 1999 - MISS-based front end first trading day

Starting this day, access to Eurex is possible with the new Release 3.0 software (MISS based front end). Trading will still be possible with the UD configuration.

5 Appendix A – Eurex Technical Documentation

The new and updated technical documentation will be available at the end of June 1999.

New Eurex Documentation (MISS)	
Document ID	**Name of the Document**
X0005600	Front End Installation Guide GATE
X0005700	Eurex Front End Installation Guide
X0005800	Front End Operations Guide GATE
X0005900	Eurex Front End Operations Guide
	Eurex Release 3.0 Sizing Guidelines for MISS/WS
	Eurex Release 3.0 Technical Overview
	Eurex Release 3.0 Detailed Member Network Set-up

Updated Eurex Documentation (UD)	
Document ID	**Name of the Document**
X0001100	BOF-Xtract
X0001200	Eurex Financial Data Disseminator Real Time Datafeed Interface Specification
X0001800	Order Routing Programmable Interface Programmer´s Guide and Reference
X0001900	Order Routing Interface Order Routing Supervisor Manual
X0002700	Network requirements for the Eurex trading system DEC/VMS user device
X0003000	Network requirements for the Eurex trading system IBM RS/6000-AIX user device
X0003400	Member Interface Specification File Interface
X0003600	MEMPI Programmable Interfaces Pricing Model Input, Backoffice and Trading Programmer's Guide and Reference
X0004201	Member Manual Emergency Procedere On-behalf-of Transactions
X0004202	Member Manual Emergency Procedere Eurex-HAS-Trading

Updated Eurex Documentation (UD)	
Document ID	**Name of the Document**
X000430a	Eurex Financial Data Disseminator File Service Interface Specification
X000430b	Eurex Financial Data Disseminator Infoboard Service Interface Specification
X0004500	MEMPI Programmable Interfaces Developer's Kit User's Guide and Reference
X0005200	User Device / Satellite Technical Overview
X0005300	User Device / Satellite Operation and Administration User Guide
X0005400	User Device / Satellite Operation and Administration Reference Manual DEC OpenVMS
X0005500	User Device / Satellite Operation and Administration Reference Manual IBM AIX
Y0001000	PMI-Xtract

The following technical documents can be found on “eurexchange.com” under “Access to Eurex / Technical Infrastructure / VALUES API”.

VALUES API developer’s documentation (MISS)
Member Front End Development Guide - Overview
Member Front End Development Guide - Volume 1 - Call Interface
Member Front End Development Guide - Volume 2 - Eurex Application Requests, Responses and Subscriptions

6 Appendix B – Front End System Glossary

UD Architecture	MISS Architecture
UD (**U**ser **D**evice)	MISS (**M**ember **I**ntegration **S**ystem **S**erver)
Satellite	Workstation
Terminal	Workstation
MEMPI (BOF/PMI/TRAD) + ORPI	VALUES API (**V**irtual **A**ccess **L**ink **U**sing **E**xchange **S**ervices - **A**pplication **P**rogramming **I**nterface)
CUI (**C**haracter based **U**ser **I**nterface)	GUI (**G**raphical **U**ser **I**nterface)
Host	Back End

Simulation Calendar

Eurex Release 3.0 Simulation (12.07.1999 to 03.09.1999)

Week 28

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Date	**12.07.1999**	**13.07.1999**	**14.07.1999**	**15.07.1999**	**16.07.1999**	**17.07.1999**	**18.07.1999**
Simulation Date	06.12.1999		08.12.1999		13.12.1999		
Simulation Time (CET)	9:30-16:00	./.	9:30-16:00	./.	9:30-16:00	./.	./.
Remarks	First Log-in for User Devices Batch		First Log-in for MISSes, Last Trading Day FBND Batch		Last Trading Day FINT/ OFIT Batch		

Week 29

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Date	**19.07.1999**	**20.07.1999**	**21.07.1999**	**22.07.1999**	**23.07.1999**	**24.07.1999**	**25.07.1999**
Simulation Date		17.12.1999	17.12.1999	22.12.1999			
Simulation Time (CET)	./.	09:30-24:00	00:00-12:00	09:30-16:00	./.	./.	./.
Remarks		Last Trading Day OSTK/ OINX/ FINX	Last Trading Day OSTK/ OINX/ FINX Batch	Last Trading Day OFBD Batch			

Week 30

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Date	**26.07.1999**	**27.07.1999**	**28.07.1999**	**29.07.1999**	**30.07.1999**	**31.07.1999**	**01.08.1999**
Simulation Date	30.12.1999		03.01.2000	04.01.2000	05.01.2000		
Simulation Time (CET)	09:00-16:00	./.	08:00-13:00	08:00-13:00	08:00-16:00	./.	./.
Remarks	Month End, End of Year Batch		HEX Focus Trading Day Batch	Last Trading Day OSTK/ OINX/ OFBD/ OFIT/ FINT Batch	Month End Batch		

Week 31

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Date	**02.08.1999**	**03.08.1999**	**04.08.1999**	**05.08.1999**	**06.08.1999**	**07.08.1999**	**08.08.1999**
Simulation Date		25.02.2000	28.02.2000	29.02.2000	01.03.2000		
Simulation Time (CET)	./.	08:00-13:00	08:00-13:00	08:00-13:00	08:00-13:00	./.	./.
Remarks		Pro Rata Matcher Focus Trading Day Batch	Last Trading Day OSTK/ OINX/ OFBD/ OFIT/ FINT Batch	Month End Batch	Batch		

Week 32

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Date	**09.08.1999**	**10.08.1999**	**11.08.1999**	**12.08.1999**	**13.08.1999**	**14.08.1999**	**15.08.1999**
Simulation Date	08.03.2000	08.03.2000	09.03.2000		10.03.2000	10.03.2000	10.03.2000
Simulation Time (CET)	09:30-24:00	00:00-12:00	09:30-16:00	./.	09:30-24:00	00:00-24:00	00:00-24:00
Remarks	Last Trading Day FBND	Last Trading Day FBND Batch	Batch				

Week 33

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Date	**16.08.1999**	**17.08.1999**	**18.08.1999**	**19.08.1999**	**20.08.1999**	**21.08.1999**	**22.08.1999**
Simulation Date	10.03.2000	10.03.2000	10.03.2000	13.03.2000	13.03.2000	13.03.2000	13.03.2000
Simulation Time (CET)	00:00-24:00	00:00-24:00	00:00-09:30	11:00-24:00	00:00-24:00	00:00-24:00	00:00-24:00
Remarks			Batch				

Week 34

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Date	**23.08.1999**	**24.08.1999**	**25.08.1999**	**26.08.1999**	**27.08.1999**	**28.08.1999**	**29.08.1999**
Simulation Date	13.03.2000	13.03.2000	13.03.2000	14.03.2000	14.03.2000	14.03.2000	14.03.2000
Simulation Time (CET)	00:00-24:00	00:00-24:00	00:00-09:30	11:00-24:00	00:00-24:00	00:00-24:00	00:00-24:00
Remarks			Batch				

Week 35

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Date	**30.08.1999**	**31.08.1999**	**01.09.1999**	**02.09.1999**	**03.09.1999**	**04.09.1999**	**05.09.1999**
Simulation Date	14.03.2000	14.03.2000	14.03.2000	15.03.2000	15.03.2000	15.03.2000	15.03.2000
Simulation Time (CET)	00:00-24:00	00:00-24:00	00:00-09:30	11:00-24:00	00:00-24:00	00:00-24:00	00:00-24:00
Remarks			Batch				