X-pand into the Future

e u r e x *circular 032/03*

Date: Frankfurt, March 19, 2003
Recipients: All Eurex members and vendors
Authorized by: Jürg Spillmann

High Priority

Report Format Changes on March 24, 2003

Related Eurex Circulars: 111/02, 021/03, 027/03

Contact: Functional Member Readiness: Tel. +49-69-21 01-17 00

Content may be most important for:	**Attachments:**
➲ Middle + Back Office ➲ IT / System Administration	New/Modified Report/File Formats Effective March 24, 2003

To clarify the situation relating to report /raw data file changes taking effect on March 24, 2003, the complete list of affected reports and files is shown below.

Report / Raw Data / File ID	Report/File Name	Comment
RAWCC011	Current Liquidating Margin	No change to format described in Attachment 2 to Eurex Circular 111/02
RPTCC033	Theoretical Values III	No change to format described in Attachment 1 to Eurex Circular 111/02
RPTCC034	Theoretical Values IV	No change to format described in Attachment 1 to Eurex Circular 111/02
RAWCC040	Liquidating Value	No change to format described in Attachment 2 to Eurex Circular 111/02
RAWCC041	Liquidating Value II	Revised Format as shown in Attachment
RAWCC050	Daily Margin	No change to format described in Attachment 2 to Eurex Circular 111/02
RPTCC080 RAWCC080	Security/Cash Risk Position	New Report / Raw Data File – Formats as shown in Attachment (Already available in simulation)
FPICMGBP	Security Margin Class and Group Information	No change to format described in Attachment 3 to Eurex Circular 111/02
FPICTHEE	Theoretical Values: Equities	No change to format described in Attachment 3 to Eurex Circular 111/02
FPICTHES	Theoretical Values: Unconditional Subscription Rights	No change to format described in Attachment 3 to Eurex Circular 111/02

For convenience, the formats of all of the above reports/files are contained in the attachment, including those whose format is unchanged from the description in Circular 111/02.

Please note that the format changes will be in effect in the production environment from March 24, 2003. **On March 24, 2003 and March 27, 2003 the Theoretical Price Files will be transmitted approximately one hour later than normal, and the Margin Reports will be transmitted approximately three hours later than normal.**

Eurex Deutschland
D-60485 Frankfurt am Main
www.eurexchange.com

Functional Member Readiness
Tel. +49-69-2101-1700
Fax +49-69-2101-1701

Alternative
Tel. +49-69-9770-1700
Fax +49-69-9770-1701

Management Board:
Rudolf Ferscha (CEO), Jürg Spillmann,
Daniel Gisler, Thomas Lenz,
Peter Reitz, Michael Widmer

New/Modified Report/File Formats Effective March 24, 2003

1. Raw Data File RAWCC011 – Current Liquidating Margin

The raw data file contains information about the current liquidating values for risk net positions and gross trades together with the corresponding cash risk positions and the resulting adjusted margin requirement per risk position (for gross positions margin credits are not taken into account). In addition, the current liquidating margin per margin class and account type is displayed. Equities, bonds or subscription rights are considered as security risk positions. Cash positions result out of pending trades (equities and bonds), corporate action income events, associated cash risk positions and price differences.
The raw data file is generated during the end-of-day processing.
The following table presents the information that will be provided to the members as raw data.

RAWCC011		**Current Liquidating Margin**			
No.	Field	Field Length	Data Type	Special Format	Description
1	Report ID code	8	A		Identification of the raw data stream. Values include: “RAWCC011” – valid data record. “ENDCC011” – end of raw data stream.
2	Report effective date	8	N	YYYYMMDD	Business day of 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 of this raw data file. Possible values are: “00” – production environment. “01” – simulation environment.
5	Member ID of Clearing Member	5	A		Identification of the Clearing Member.
6	Member ID of Exchange Member	5	A		Identification of the Exchange Member.
7	Account	2	A		Account type: “A1” or “PP”.
8	Currency	3	A		Security settlement currency.
9	Margin Class	5	A		Margin class.
10	Market Cash Interest Rate	15	N	-4.9	Cash market interest rate of the currency.
	Risk Adapted Interest Rates				Risk adapted interest rates.
11	Currency risk adapted interest rate – up	15	N	-4.9	Currency’s risk adapted interest rate – up.

RAWCC011		**Current Liquidating Margin**			
No.	Field	Field Length	Data Type	Special Format	Description
12	Currency risk adapted interest rate – down	15	N	-4.9	Currency's risk adapted interest rate – down.
13	ISIN	12	A		ISIN of the security for which the risk positions and the current liquidating margin is shown (equity, bond or subscription right).
14	Settlement Price	16	N	[-]9.5	Settlement price (for bonds it is the clean price).
15	Coupon Rate	15	N	-4.9	Coupon rate of the bond. For equities and subscription rights this field is always zero.
16	Settlement Date	8	N	YYYYMMDD	Settlement date of the risk positions.
17	Trading Location	4	A		For gross positions only: trading location - market identification: "XETR", "XFRA", "XEUR". Otherwise: Field contains spaces.
18	Trade Date	8	N	YYYYMMDD	For gross positions only: Day when the trade has been performed. Otherwise: Field contains spaces.
19	Trade Number	10	N	010	For gross positions only: Trading number as provided from the trading location. Otherwise: Field contains spaces.
20	Order Number	16	N	016	For gross positions only: Order number. Otherwise: Field contains spaces.
21	MI Order Number	16	N	016	For gross positions only: Member Internal Order Number. Otherwise: Field contains spaces.
22	Security Position	17	N	[-]12.3	Security positions: Bonds: nominal amount. Equities / Subscription rights: quantity.
23	Cash Position	16	N	[-]12.2	Cash risk positions related to the security.
	Coupon Adjustments				Coupon adjustments of current liquidating value, only for bonds: Both columns are blank if no adjustment is performed.
24	Upside/Downside Adjustment	1	A		"D" for downside adjustment. "U" for upside adjustment.

RAWCC011		**Current Liquidating Margin**			
No.	Field	Field Length	Data Type	Special Format	Description
					"B" for both downside and upside adjustment.
25	Present/Future Value Adjustments	1	A		"P" for present value adjustment. "F" for adjustment with future value. "B" for both adjustments with present and future value.
26	CLV of Security Positions	16	N	[-]12.2	Current liquidating value of the security risk positions.
27	CLV of Cash Positions	16	N	[-]12.2	Current liquidating value of the cash risk positions.
28	Adjusted Margin	16	N	[-]12.2	Adjusted margin requirement (for gross positions margin credits are not taken into account).

2. Report RPTCC033 - Theoretical Values III

Purpose:

This report shows the theoretical values for equities, conditional subscription rights and securities with asymmetrical margin parameters. Expected up and down price movements are shown. All prices used in margin calculation are shown here (i.e. the maximum and minimum expected price, the settlement price as well as interim values). In CCP Release 1.0, this only corresponds to the maximum and minimum expected price movement and the settlement price. All figures are displayed in the security settlement currency.

Notes on creation:

This report is available for Clearing and Trading Members. It is created during end-of-day processing.

Fields:

REF	FIELD NAME	DESCRIPTION
1	CURRENCY	Security settlement currency.
2	MARGIN CLASS	Margin class.
3	MARGIN PARAMETER UP	Parameter for the expected maximum up movement of the security price.
4	MARGIN PARAMETER DOWN	Parameter for the expected maximum down movement of the security price.
5	UNIT	Unit of the margin parameters: ”P” – Percentage. “A” – Absolute in the security settlement currency.
6	ISIN	ISIN of the security for which the information is shown.
7	PRICES	Prices from highest to lowest expected price.
8	PRICE TYPE	Only following prices are particularly marked: “MAX UP”, “SETTL PRICE”, “MAX DOWN”.

Layout:

```
  0        1        2        3        4        5        6        7        8        9        10       11       12       13
  01234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901
01|EUREX                                                THEORETICAL VALUES III                                    PAGE:       1
02|RPTCC033                                                                                                AS OF DATE: 23-10-00
03|                                                                                                         RUN DATE: 23-10-00
04|
05|                                                  CURRENCY: EUR (1)
06|
07|MARGIN CLASS  MARGIN PARAMETER  MARGIN PARAMETER  UNIT     ISIN          PRICES         PRICE TYPE
08|                     UP               DOWN
09|------------  ---------------  ---------------  ----  ------------  -------------  -----------------
  |    (2)            (3)              (4)         (5)       (6)           (7)              (8)
10|   BMW                 11.00            11.00   P     DE0005190003       44.40000   MAX UP
11|                                                                         44.00000
12|                                                                         43.00000
13|                                                                         42.00000
14|                                                                         41.00000
15|                                                                          40.00000  SETTL PRICE
16|                                                                         39.00000
17|                                                                         38.00000
18|                                                                         37.00000
19|                                                                         36.00000
20|                                                                         35.60000   MAX DOWN
21|
```

3. Report RPTCC034 - Theoretical Values IV

Purpose:

This report contains information about the theoretical prices for unconditional subscription rights. The theoretical value is displayed for the maximum and minimum expected price as well as for the settlement price of the underlying.
If the underlying of the subscription right is also an underlying of derivatives, it is necessary for cross margining (which will be available in future releases) to display the theoretical value of the subscription right for intermediate strike prices of derivatives.

Notes on creation:

This report is available for Clearing and Trading Members. It is created during end-of-day processing.

Fields:

REF	FIELD NAME	DESCRIPTION
1	CURRENCY	Security settlement currency.
2	MARGIN CLASS	Margin class.
3	MARGIN PARAMETER	Parameter for the expected maximum up and down movement of the security price.
4	UNIT	Unit of the margin parameters: “P” – Percentage. “A” – Absolute in the security settlement currency.
5	ISIN	ISIN of the security for which the information is shown.
6	ISIN OF UNDERLYING	ISIN of underlying security.
7	PRICES	Underlying prices from highest to lowest expected price.
8	PRICE TYPE	Only following prices are particularly marked: “MAX UP”, “SETTL PRICE”, “MAX DOWN”.
9	SUBSCR. RATIO	Subscription ratio.
10	SUBSCR. PRICE	Subscription price.
11	VOLA	Volatility used for risk based margining.
12	END OF SUBSCR. PERIOD	End of subscription period.
13	THEORETICAL VALUES	Theoretical values of the subscription right (calculated using the option-price-model with the corresponding expected underlying price).

Layout:

```
  0        1        2        3        4        5        6        7        8        9        10       11       12       13
  01234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
01|EUREX                                                THEORETICAL VALUES IV                                                PAGE:        1
02|RPTCC034                                                                                                  AS OF DATE: 23-10-00
03|                                                                                                          RUN DATE: 23-10-00
04|
05|                                                CURRENCY: EUR (1)
06|
07|MARGIN  MARGIN   UNIT            ISIN OF                                    SUBSCR.   SUBSCR.          END OF SUBSCR.  THEORETICAL
08|CLASS  PARAMETER          ISIN    UNDERLYING     PRICES     PRICE TYPE   RATIO    PRICE     VOLA      PERIOD         VALUES
09|------ --------- ---- ---------- ------------ ------------ ---------- --------- ---------- ------ ------------ --------------
  |  (2)      (3)  (4)        (5)          (6)          (7)        (8)        (9)        (10)  (11)       (12)          (13)
10|  BMW    11.00   P   DE0005190081 DE0005190003                        0.14286     30.00  3.00%  10-11-2000
11|                                                35.60000  MAX UP                                                  0.79000
12|                                                36.00000                                                          0.88000
13|                                                37.00000                                                          0.97000
14|                                                38.00000                                                          1.08000
15|                                                39.00000                                                          1.20000
16|                                                40.00000  SETTL PRICE                                             1.35000
17|                                                41.00000                                                          1.50000
18|                                                42.00000                                                          1.70000
19|                                                43.00000                                                          1.90000
20|                                                44.00000                                                          2.03000
21|                                                44.40000  MAX DOWN                                                2.11000
22|
```

4. Raw Data File RAWCC040 – Liquidating Value

The raw data file contains the information about the liquidating costs or proceeds for all the series, equity and subscription right positions of a margin class and for the margin class as a whole.

It is generated during the end-of-day processing.

The following table presents the information that will be provided to the members as raw data.

RAWCC040		**Liquidating Value**			
No.	Field	Field Length	Data Type	Special Format	Description
1	Report ID code	8	A		Identification of the raw data stream. Values include: “RAWCC040” - valid data record. “ENDCC040” - end of raw data stream.
2	Report effective date	8	N	YYYYMMDD	Business day of 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 of this raw data file. Possible values are “00” - production environment. “01” - simulation environment.
5	Member ID of Clearing Member	5	A		Identification of the Clearing Member.
6	Member ID of Exchange Member	5	A		Identification of the Exchange Member.
7	Account	2	A		Account type: “A1” or “PP”.
8	Margin Group	5	A		Margin group.
9	Margin Class	5	A		Margin class.
10	Currency	3	A		Security settlement currency.
11	Upside/Downside Indicator	1	A		Indicator showing whether the projected underlying price is less than (downside) or greater than (upside) the closing price of the underlying. Values include: “U” – Upside. “D” – Downside. This field is blank for securities.
12	Record Type	1	A		Indicator for the record type. Values include: “D” – Derivative. “S” – Security.

RAWCC040		**Liquidating Value**			
No.	Field	Field Length	Data Type	Special Format	Description
13	Product ID	4	A		Identification code that the exchange assigns to the product. This field is blank for securities.
14	Option Series Class	1	A		Class of an options series. Field values include: “C” – Call. “P” – Put. This field is blank for futures contracts and securities.
15	ISIN	12	A		ISIN of the security. This field is blank for derivatives.
16	Expiration / Settlement Date	4	N	YYMM	For derivatives this field contains the year and month when an options series expires or a futures contract is settled. For securities it contains the year and month of the planned settlement date. The day is contained in an extra field.
17	Settlement Day	2	N	DD	For securities the field contains the day of the planned settlement date. The field is empty for derivatives.
18	Exercise Price	5	N		Price at which an options series can be exercised. This field is zero for futures contracts and securities.
19	Version Number	1	N		Version number assigned to each options series at creation. A non-zero value in this field indicates that the series changed as a result of a capital adjustment. This field is empty for securities.
20	Market Cash Interest Rate	15	N	-4.9	Cash market interest rate of the currency.
21	Closing Price	11	A		Closing price of the underlying instrument.
22	Minimum/Maximum Underlying Value	11	A		Lowest or highest price of the underlying.
23	Risk Position	19	N	[-]14.3	Net position of the options series or futures contract or the risk position for securities. Note: This field is only used for series records and securities. Fractions may occur for securities.

RAWCC040		**Liquidating Value**			
No.	Field	Field Length	Data Type	Special Format	Description
24	Net Indicator	1	A		Net indicator. Field values include: “L” – Long. “S” – Short. “E” – Exercised. “A” – Assigned. Note: This field is only used for series records.
25	Contract Size	14	N	09.4	Contract size for derivative products, equals 1 for equities and the subscription ratio for unconditional subscription rights.
26	Current Value	19	N	[-]15.2	Either the current value of the underlying/underlying security or the liquidating values of the net position per series or per contract at the liquidating of the position. The calculation for securities considers additionally discounting effects.
27	Minimum/Maximum Value	19	N	[-]15.2	Either the lowest or highest value of the underlying or underlying security or the liquidating values of the net position per series or per contract at the liquidating of the position. The calculation for securities considers additionally discounting effects.
28	Risk Value	11	A		This field contains the risk value per series, contract or security.
29	Theoretical Value	19	N	[-]15.2	Theoretical value per series or contract. The calculation for securities considers additionally discounting effects.
30	Short Option Compensation	6	N	[-]5	Short option compensation potential for every expiration. The field is empty for securities.

RAWCC040		**Liquidating Value**			
No.	Field	Field Length	Data Type	Special Format	Description
31	Out of the Money Short Position	6	N	[-]5	Out of the money short positions covered by existing long positions with same or longer time to expiration and corresponding strike values. The field is empty for securities.
32	Net Futures Positions	6	N	[-]5	Number of net futures positions per account within a margin class with days to maturity > 1. The field is empty for securities.
33	Trading Unit Value	10	N	05.4	Options equivalent trading unit value of the future. The value is calculated as follows: Trading unit value of futures / trading unit value of options within the same margin class. The field is empty for securities.
34	Minimum/Maximum Theoretical Value	21	N	[-]13.6	Theoretical value of compensated part of not fully compensated short position for minimum/maximum liquidating value. The field is empty for securities.
35	Risk Theoretical Value	21	N	[-]13.6	Theoretical value of compensated part of not fully compensated short position for risk liquidating value. The field is empty for securities.

5. Raw Data File RAWCC041 - Liquidating Values II

This file is only provided for Eurex. This report is presented for bond products. It lists daily positions and product (ISIN), where all transactions (buy/sell) of a single product are totaled. Liquidating values up and down and the difference from the current liquidating value are shown for these positions.

Only up and down maximums, and no strikes in between (as there are no options in the margin classes), are used for the calculation of liquidating values.

RAWCC041		**Liquidating Value II**			
No.	Field	Field Length	Data Type	Special format	Description
1	Report ID code	8	A		This field contains the identification code of the raw data stream. Values include: RAWCC041 – valid data record ENDCC041 – end of raw data stream
2	Report effective date	8	N	YYYYMMDD	This field contains the effective date of the raw data stream. The format of this field is: YYYYMMDD
3	Report processing date	8	N	YYYYMMDD	This field identifies the creation date of the raw data stream. The format of this field is: YYYYMMDD
4	Environment number	2	A		This field identifies the environment of this raw data file. Possible values are: 00 - production environment 01 - simulation environment
5	Member ID of Clearing Member	5	A		This field contains the identification code of the clearing member.
6	Member ID of Exchange Member	5	A		This group field contains the identification code of the exchange member.
7	Account	2	A		This group field contains the account. Field values include: “A1” – Agent accounts “PP” – Proprietary accounts
8	Margin Group	5	A		Margin group code - identification of the margin group
9	Margin Class	5	A		Margin class code - identification of the margin class
10	Currency	3	A		Currency type code (ISO Code), e.g.: EUR, CHF

RAWCC041		**Liquidating Value II**			
No.	Field	Field Length	Data Type	Special format	Description
11	Market Cash Interest Rate	**15**	N	**-4.9**	Market cash interest rate of the currency
12	Currency risk adapted interest rate – up	**15**	N	**-4.9**	Currency risk adapted interest rate – up
13	Currency risk adapted interest rate – down	**15**	N	**-4.9**	Currency risk adapted interest rate – down
14	ISIN	12	A		ISIN of the security for which the risk positions and the liquidation value are shown
15	Coupon Rate	**15**	N	**-4.9**	Coupon rate of the bond
16	Security Price	**16**	N	**[-]9.5**	Security price used for risk based margining.
17	Maximum expected price	**16**	N	**[-]9.5**	Maximum expected price
18	Minimum expected price	**16**	N	**[-]9.5**	Minimum expected price
19	Settlement Date	8	N	YYYYMMDD	Settlement date of the risk positions.
20	Security Net Risk Position	17	N	[-]12.3	Net security risk positions as nominal amount / number of shares for equities
21	CLV of Security Net Position	16	N	[-]12.2	Current liquidation value of the security net positions of the settlement date
22	LV Maximum Expected Price	16	N	[-]12.2	Liquidating value of the net positions, assuming the maximum expected price
23	LV Minimum Expected Price	16	N	[-]12.2	Liquidating value of the net positions, assuming the minimum expected price
24	Difference LV Maximum Expected Price	16	N	[-]12.2	Difference between current liquidating value and liquidating value of the net positions, assuming the maximum expected price
25	Difference LV Minimum Expected Price	16	N	[-]12.2	Difference between current liquidating value and liquidating value of the net positions, assuming the minimum expected price

6. Raw Data File RAWCC050 – Daily Margin

The raw data file deals with the daily margin requirements (or margin credit) of each member account. The margin requirement is calculated based on the premium margin, current liquidating margin, futures spread margin and additional margin; all margin components are listed in this report. All figures are displayed in the product currency.

The raw data file is generated during the end-of-day processing.

The following table presents the information that will be provided to the members as raw data.

RAWCC050		**Daily Margin**			
No.	Field	Field Length	Data Type	Special Format	Description
1	Report ID code	8	A		Identification of the raw data stream. Values include: “RAWCC050” - valid data record. “ENDCC050” - end of raw data stream.
2	Report effective date	8	N	YYYYMMDD	Business day of 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 of this raw data file. Possible values are: “00” – production environment. “01” – simulation environment.
5	Member ID of Clearing Member	5	A		Identification of the Clearing Member.
6	Member ID of Exchange Member	5	A		Identification of the Exchange Member.
7	Currency	3	A		Currency of the product.
8	Account	2	A		Account type: “A1” or “PP”.
9	Margin Group	5	A		Margin group.
10	Margin Class	5	A		Margin class.

RAWCC050		**Daily Margin**			
No.	Field	Field Length	Data Type	Special Format	Description
11	Premium Margin Amount	18	N	[-]14.2	Represents the costs or proceeds, which are generated by the liquidating at the day's closing value of all the options contained in a margin class or margin group based on the settlement price. Long positions (margin credit) lead to negative amounts. Short positions (margin debits) show positive amounts.
12	Current Liquidating / Delivery Margin	16	N	[-]12.2	Current liquidating / delivery margin (debit or credit) of the bonds, repos, equities, subscription rights or electricity products.
13	Future Spread Margin Amount	18	N	[-]14.2	Ensures that the risk caused by the imperfect positive price correlation of various expiration months of the underlying security is limited.
14	Additional Margin	16	N	[-]12.2	The additional margin amount net: - per account type.
15	Unadjusted Margin	16	N	[-]12.2	Unadjusted margin requirement per margin class or group; sum of the premium, spread and additional margins.

7. Report RPTCC080 - Security / Cash Risk Position

Purpose:

The report presents how the different risk positions used in margining are created out of net and gross positions for equities and subscription rights. In the first section the composition of the net security and cash position is displayed, the next two sections display the security long and short position composition used to determine the additional margin.

Notes on format:

This report is also available as raw data file RAWCC080.

Notes on creation:

This report is available for Clearing Members, Trading Members and Clearing Supervision. It is created during end-of-day processing.

Sorting order:

#	FIELD NAME
1	CLEARING MEMBER
2	EXCHANGE MEMBER
3	ACCOUNT
4	CURRENCY
5	MARGIN GROUP
6	MARGIN CLASS
7	ISIN
8	SETTLEMENT DATE

Fields:

REF	FIELD NAME	DESCRIPTION
1 2	CLEARING MEMBER	Member ID of Clearing Member. Long name of Clearing Member.
3	ACCOUNT	Account type: “A1” or “PP”.
4	CURRENCY	Currency of the product.
5 6	EXCHANGE MEMBER	Member ID of Exchange Member. Long name of Exchange Member.
7	MARGIN GROUP	Margin group.
8	MARGIN CLASS	Margin class.
9	ISIN	ISIN of the security.
10	LONG NAME	Long name of the instrument.
11	SETTLEMENT DATE	Settlement date.
12	POSITION TYPE	Description of the position type: “BUY-IN PAYMENT”. “CASH SETTLEMENT”. “GROSS SELL”. “GROSS BUY”. “NET DELIVERY”. “INCOME EVENT”. “PRICE DIFFERENCES”. “ASSOC. CASH RISK POS”. “MISCELLANEOUS”.
13	TRADE LOC	Only for gross risk positions: Trading location - market identification: “XETR”, “XFRA”. Left blank otherwise.

REF	FIELD NAME	DESCRIPTION
14	TRADE DATE	Only for gross risk positions: Day when the trade has been performed. Left blank otherwise.
15	TRADE NUMBER	Only for gross risk positions: Trading number as provided from the trading location. Left blank otherwise.
16	ORDER NUMBER	Only for gross risk positions: Provides the order number. Left blank otherwise.
17	SECURITY POSITION	For gross risk positions: Quantity of security amount to be received (positive) or to be delivered (negative). Filled with “0” otherwise.
18	CASH AMOUNT	Cash amount.
19	AM USAGE	Indicates whether the position is used for the additional margin calculation: “NOT USED”. “USED FOR UPSIDE ONLY”. “USED FOR DOWNSIDE ONLY”. “USED FOR UPSIDE AND DOWNSIDE”.

Layout:

```
  0        1        2        3        4        5        6        7        8        9        10       11       12       13
  01234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
01|EUREX                                          SECURITY/CASH RISK POSITION                                        PAGE:        1
02|RPTCC080                                                                                                  AS OF DATE: 16-11-00
03|                                                                                                          RUN DATE: 16-11-00
04|                 (1)         (2)                                  (3)                                            (4)
05|CLEARING MEMBER: ABCFR BANK CORPORATION                        ACCOUNT: A1                                  CURRENCY: EUR
06<EXCHANGE MEMBER: ABCFR BANK CORPORATION                     MARGIN GROUP: BMWGS                          MARGIN CLASS: BMW5
07|                 (5)         (6)                                  (7)                                            (8)
08|ISIN: DE0005190003 - BAY.MOTOREN WERKE AG ST              SETTLEMENT DATE: 18-11-00
09|                 (9)         (10)                                 (11)
10|      POSITION        TRADE   TRADE      TRADE          ORDER          SECURITY POSITION       CASH AMOUNT
11|        TYPE           LOC    DATE      NUMBER         NUMBER
12|-------------------- -----  --------  ----------  ---------------  -------------------  ------------------
..|        (12)         (13)     (14)      (15)           (16)            (17)                    (18)
13|NET DELIVERY                                                                  100.000            3,300.00-
14|BUY-IN PAYMENT                                                                 0.000            2,222.22-
15|CASH SETTLEMENT                                                               0.000            1,111.11
16|                                                                          -------------------  ------------------
17|NET RISK POSITION                                                            100.000            4,411.11-
18|                                                                          ===================  ==================
19|
20|NET RISK POSITION                                                            100.000            4,411.11-
21|GROSS BUY             XETR   16-11-00  1000000002  1100000000000012          200.000            6,000.00-
22|GROSS BUY             XETR   16-11-00  1000000003  1100000000000013          100.000            4,000.00-
23|                                                                          -------------------  ------------------
24|RISK POSITION LONG          AM USAGE : USED FOR DOWNSIDE ONLY              400.000            14,411.11-
25|                                (19)                                      ===================  ==================
26|
27|GROSS SELL            XETR   16-11-00  1000000004  1100000000000014          300.000-           10,000.00
28|                                                                          -------------------  ------------------
29|RISK POSITION SHORT         AM USAGE : USED FOR UPSIDE ONLY                300.000-           10,000.00
30|                                                                          ===================  ==================
```

8. Raw Data File RAWCC080 – Security / Cash Risk Position

The raw data file contains the information how the risk position used in margining is created out of net and gross positions for equities and subscription rights and which position is used for the additional margin calculation. It is generated during the end-of-day processing.

The following table presents the information that will be provided to the members as raw data.

RAWCC080		**Security/Cash Risk Position**			
No.	**Field**	**Field Length**	**Data Type**	**Special Format**	**Description**
1	Report ID Code	8	A		Identification of the raw data stream. Values include: “RAWCC080” – Valid data record. “ENDCC080” – End of raw data stream.
2	Report Effective Date	8	N	YYYYMMDD	Business day of 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: “00” – Production environment. “01” – Simulation environment.
5	Member ID of Clearing Member	5	A		Identification of the Clearing Member.
6	Member ID of Exchange Member	5	A		Identification of the Exchange Member.
7	Account	2	A		Account type: “A1” or “PP”.
8	Margin Group	5	A		Margin group.
9	Margin Class	5	A		Margin class.
10	Currency	3	A		Currency of the product.
11	ISIN	12	A		ISIN of the security.
12	Settlement Date	8	N	YYYYMMDD	Settlement date.

RAWCC080		Security/Cash Risk Position			
No.	**Field**	**Field Length**	**Data Type**	**Special Format**	**Description**
13	Position Type	6	A		Description of the position type: “BUY-IN” – Buy-in payment. “C-STLM” – Cash settlement. “GRSSEL” – Gross sell. “GRSBUY” – Gross buy. “NETDLV” – Net delivery. “INCOME” – Income event. “PRCDIF” – Price differences. “ACRP” – Associated cash risk position. “MISC” – Miscellaneous.
14	Trading Location	4	A		Only for gross risk positions: Trading location - market identification: “XETR”, “XFRA”. Left blank otherwise.
15	Trade Date	8	N	YYYYMMDD	Only for gross risk positions: Day when the trade has been performed. Left blank otherwise.
16	Trade Number	10	N	010	Only for gross risk positions: Trading number as provided from the trading location. Left blank otherwise.
17	Order Number	16	F	016	Only for gross risk positions: Order number. Left blank otherwise.
18	MI Order Number	16	F	016	Only for gross risk positions: Member internal order number. Left blank otherwise.
19	Security Position	17	N	±12.3	For gross risk positions: Quantity of security amount to be received (positive) or to be delivered (negative). Filled with “0” otherwise.
20	Cash Amount	16	N	±12.2	Cash amount.
21	Am Usage	1	N		Indicates whether the position is used for the additional margin calculation. “0” – Not used. “1” – Used for upside only. “2” – Used for downside only. “3” – Used for up- and downside.

9. Security Margin Class and Group Information – FPICMGBP

The file FPICMGBP contains general data for securities (bonds, equities and subscription rights) margining as well as margin class and margin group mapping information for the securities.

Structure of FPICMGBP:

Field Name	Field Length	Data Type	Special Format	Description
MGN-GRP-COD-RMICMGBP	5	A		Margin group.
GRP-OFF-SET-RMICMGBP	4	N	[-]3	Margin group offset factor.
MGN-CLS-COD-RMICMGBP	5	A		Margin class.
SECU-ISIN-RMICMGBP	12	A		ISIN of the security.
MGN-PAR-UP-RMICMGBP	7	N	03.3	Margin parameter – up.
MGN-PAR-DOWN-RMICMGBP	7	N	03.3	Margin parameter – down.
MGN-PAR-FLG-RMICMGBP	1	A		Margin parameter unit: “A” – absolute. “P” – percentage.
CURR-TYP-COD-RMICMGBP	3	A		Currency related to margin class.
DCML-SHFT-NO-RMICMGBP	1	N		Decimal shift related to currency.
FORX-EXC-RAT-RMICMGBP	13	N	03.9	Exchange rate.
STD-STL-PERIOD-RMICMGBP	3	N		Standard settlement period.

10. Theoretical Values: Equities – FPICTHEE

The file FPICTHEE contains theoretical values and parameters for equities and conditional subscription rights.

Structure of FPICTHEE:

Field Name	Field Length	Data Type	Special Format	Description
SECU-ISIN-RMICTHEE	12	A		ISIN of the security.
MGN-GRP-COD-RMICTHEE	5	A		Margin group.
MGN-CLS-COD-RMICTHEE	5	A		Margin class.
MGN-PAR-UP-RMICTHEE	12	N	3.8	Margin Parameter – up.
MGN-PAR-DOWN-RMICTHEE	12	N	3.8	Margin Parameter – down.
MGN-PAR-FLG-RMICTHEE	1	A		Margin parameter unit: “A” – absolute. “P” – percentage.
SECU-STL-PRC-RMICTHEE	16	N	10.5	Settlement price of the security.
PRC-TYPE-RMICTHES	1	N		Price type for fields “SECU-STL-PRC”. Values: “0” - settlement price. “1” - max price. “2” - min price. “3” - any value between min and max price.
SECU-NEAR-STL-DATE-RMICTHEE	8	N	YYYYMMDD	Nearest settlement date (Actual date plus standard settlement period for a security).
CURR-TYP-COD-RMICTHEE	3	A		Currency related to margin class.
CURR-INTR-RATE-RMICTHEE	14	N	4.9	Cash market interest rate of the currency.
UP-ADPT-INTR-RATE-RMICTHEE	14	N	4.9	Currency's Risk Adapted Interest Rate – Up.
DWN-ADPT-INTR-RATE-RMICTHEE	14	N	4.9	Currency's Risk Adapted Interest Rate – Down.

11. Theoretical Values: Unconditional Subscription Rights - FPICTHES

The file FPICTHES contains theoretical values and parameters for subscription rights on equities.

Structure of FPICTHEE:

Field Name	Field Length	Data Type	Special Format	Description
SECU-ISIN-RMICTHES	12	A		ISIN of the subscription right.
UNDER-ISIN-RMICTHES	12	A		ISIN of the underlying for subscriptions right.
SECU-NEAR-STL-DATE-RMICTHES	8	N	YYYYMMDD	Nearest settlement date (Actual date plus standard settlement period).
CURR-TYP-COD-RMICTHES	3	A		Currency related to margin class.
CURR-INTR-RATE-RMICTHES	14	N	4.9	Cash market interest rate of the currency.
SECU-RATIO-RMICTHES	19	N	10.8	Ratio of the subscription right.
EXERCISE-PRC-RMICTHES	16	N	10.5	Exercise price of the subscription right.
SECU-BEG-DATE-RMICTHES	8	N	YYYYMMDD	Beginning date of subscription period of the subscription right.
SECU-END-DATE-RMICTHES	8	N	YYYYMMDD	Ending date of subscription period of the subscription right.
SECU-VOLA-RMICTHES	19	N	10.8	Volatility used for risk based margining.
SECU-DAYS-TO-DIVIDEND	3	N		Days to dividend day.
SECU-DIVIDEND-AMOUNT	16	N	10.5	Dividend amount.
SECU-PRC-RMICTHES	16	N	10.5	Settlement price of the subscription right (equals the theoretical price at the settlement price of the equity).
UNDER-PRC-RMICTHES	16	N	10.5	Settlement price of the underlying security.
PRC-TYPE-RMICTHES	1	N		Price type for fields “SECU-PRC” and “UNDER-PRC”; Values: “0” - settlement price. “1” - max price. “2” - min price. “3” - any value between min and max price.