

EurexOTC Clear reports

File Description

Interest Rate Curves Report CC210, Risk Factor Report CC202, Liquidity Tables Report CC220, Hedge Portfolio Report CC212, Initial Margin Configuration Set CC221

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1. Interest Rate Curves report CC210

e.g. 84RPTCC210PUBLI20150708.CSV

The Interest Rate Curves Report provides all relevant bootstrapped interest rate and inflation curves on the maturity grid, as generated by the bootstrapping procedure. The purpose of this report is to validate the pricing of the positions. The file contains all forward and discounting curves for all IRS currencies both in terms of zero rates (using continuous compounding and the currency-specific daycount conventions) and discount factors as well as inflation index levels. The values are provided for a given valuation timestamp and for a given offset from the valuation date (in days).

The input file is in CSV format and contains the following data fields:

Field name	Value type	Value example	Remark
Value DateTime	Datetime	2012-01-21 14:30:00	Value date and time of the curve in YYYY-MM-DD hh:mm:ss
Curve ID	String (25)	EUR.EURIBOR.3M	Curves: "ccy.index.rfq"; for inflation curves the rfq attribute is set to "0D".
Maturity Offset	Number (0)	138	Tenor grid point in offset days
Maturity Date	Datetime	2012-03-28 00:00:00	Date of the tenor grid point (time is 00:00:00 by default)
Value Type	String (1)	Z	Specific type of interest rate: S – Discount factor for IRS (mid) and index level for inflation Z – Zero rate (mid)
Value	Number (14)	0.9753250047	IRS curve value and inflation index levels

The number in the bracket indicates how many digits after the decimal point are provided for Numbers and the maximum length of the field for Strings.

2. Risk Factor report CC202

e.g. 84RPTCC202PUBLI20150708.CSV

The Risk Factor Report contains the current discount factors for all relevant IR curves and current inflation index levels, the 750 volatility filtered 5-day return scenarios of the discount factors for all IR curves and the return scenarios of the index levels for all inflation indices as well as the 250 unfiltered 5-day stressed scenarios. Furthermore, the file contains the current FX spot rates and their past 750 volatility filtered 5-day return scenarios for all relevant currency pairs as well as their 250 unfiltered 5-day stressed scenarios. The file contains only risk factors for the foreign exchange rate pairs to EUR domestic currency.

The input file is in CSV format and contains the following data fields:

Field name	Value type	Value example	Remark
Value DateTime	Datetime	2012-01-21 14:30:00	Value date and time of the report in YYYY-MM-DD hh:mm:ss
SCSET_ID	Number (0)	101	16-20: FHS subsamples 516-520: SP subsamples
Risk Factor ID	String (16)	EURIBOR.3M.10Y	Curves: "Type.rfq.tenor"; for inflation curves the rfq attribute is missing. FX: "EURUSD"
Date	Datetime	2011-01-21 00:00:00	Value date of the risk factor in YYYY-MM-DD hh:mm:ss
Maturity Tenor	String (3)	10Y	Empty for FX rates
Maturity Tenor Date	Datetime	2022-01-21 00:00:00	Date corresponding to maturity with respect to value date
Value Type	String (1)	S	Specific type of the risk factor value: S – Price (Discount factor, inflation index level, FX rate) R – Return
Value	Number (14)	0.97532583295730	

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3. Liquidity Tables report CC220

e.g. 84RPTCC220PUBLI20150708.CSV

The lookup-tables for the Liquidity Adjustment are provided in the Liquidity Tables Report. The file contains the market capacities, the bid-ask spreads and the liquidity factors. The bid-ask spreads and liquidity factors depend on the maturity bucket, while the latter additionally depend on the relative position size of the transient hedge swap.

The input file is in CSV format and contains the following data fields:

Field name	Value type	Value example	Remark
Value Date	Date	2012-01-21	Value date of the report in YYYY-MM-DD
Product Type	String (20)	Swap	Type of the hedging product
Currency	String (3)	USD	Hedge swap currency
Maturity	String (3)	30Y	Hedge swap maturity
Net Position Size	Number (2)	5.00	Grid point (including) for the absolute net position size in million of the respective currency. Character “,” is used as thousand separator, e.g. "1,760".
Liquidity Factor	Number (14)	0.15000000	
Bid-Ask Spread	Number (8)	0.00046350	In absolute values (i.e. 1bp=0.0001)
Liquidity Set ID	Number (0)	2	Always 2 for IRS

The number in the bracket indicates how many digits after the decimal point are provided for Numbers and the maximum length of the field for Strings.

4. Hedge Portfolio report CC212

e.g. 84RPTCC212PUBLI20150708.CSV

The Hedge Portfolio Report provides the hedge swap risk measures and zero rate sensitivities for all relevant transient hedge swaps (with a standard notional in the respective currency) that are used for the calculation of the Liquidity Adjustment.

The input file is in CSV format and contains the following data fields:

Field name	Value type	Value example	Remark
Value Date	Date	2012-01-21	Value date of the report in YYYY-MM-DD
Account	String (9)	HEDGESWAP	"HEDGESWAP" is always used as "Account" for transient hedge swap figures
Currency	String (3)	EUR	Hedge swap figures are provided per currency
Risk Type	String (8)	IRS	IRS – Interest rate risk hedge of IRS ZCIS - Inflation hedge of ZCIS ZCISIR - Interest rate hedge of ZCIS
Maturity	String (3)	30Y	Hedge swap maturity
Value Type	String (1)	D	Specific type of value: N – Notional of hedge swap in ccy D – Hedge swap zero rate bucket sensitivities R – Risk measure (mean FHS VaR, scaled down to 1 day) of the hedge swap
Bucket Sensitivity (DV01)	String (3)	20Y	Maturity of the bucket for which the DV01 (Hedge swap zero rate bucket sensitivity) is given. Note that for each hedge swap maturity, DV01s are given for all DV01 buckets which are \leq hedge swap maturity. In case of Value Type N or R this field is empty.
Value	Number (14)	0.0097532526	

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5. Initial Margin Configuration Set CC221

e.g. 84RPTCC221PUBLI20150708.CSV

The Initial Margin Configuration Set contains the detailed specifications of the risk measures used for the margin calculation, including all static and regular updated parameters. All parameters are configurable and can be changed at the discretion of Eurex Clearing:

- Confidence level
- Scaling factor utilized in robustness enhancement
- Specification for correlation break adjustment
- Specification of liquidity risk component

The input file is in CSV format and contains the following data fields:

Field name	Value type	Value example	Remark
Value Date	Date	2012-01-21	Value date of the report in YYYY-MM-DD
SP VaR weighting factor	Number (2)	0.7000	Weighting factor for the Stressed Period VaR
Time horizon n	Number (0)	5	Liquidation horizon in business days
Decay Factor_n	Number (2)	0.90	n-day decay factor for volatility filtering
<i>Decay Factor_1</i>	<i>Number (2)</i>	<i>0.95</i>	<i>not used anymore, will be removed in a future release</i>
FHS VaR anchor confidence level	Number (2)	95.00	Anchor confidence level for FHS VaR, in percent
FHS VaR scaling factor	Number (2)	1.7576	Scaling factor for the robust FHS VaR calculation
CBA moving sub-window	Number (0)	60	Size of the sub-windows used for the calculation of the Correlation Break Adjustment, expressed as number of scenarios
CBA anchor confidence level	Number (2)	90.00	Anchor confidence level for the Correlation Break Adjustment, in percent
CBA multiplier	Number (2)	2.4439	Multiplier for the calculation of the Correlation Break Adjustment
Liquidity Adjustment Y / N	String (1)	Y	Is Liquidity Adjustment used: Y - Yes N – No Currently always Y.
<i>LA risk measure multiplier</i>	<i>Number (4)</i>	<i>2.3263</i>	<i>not used anymore, will be removed in a future release</i>
SP VaR anchor confidence level	Number (2)	90.00	Anchor confidence level for Stressed Period VaR, in percent
SP VaR scaling factor	Number (2)	2.4439	Scaling factor for the robust Stressed Period VaR calculation

The number in the bracket indicates how many digits after the decimal point are provided for Numbers and the maximum length of the field for Strings.