

FlexFinance provides data marts that contain information required for market risk management. This information has been called for by the **BCBS (= Basel Committee on Banking Supervision)** in order to define capital requirements. The market risks are divided into risks regarding interest rates, foreign exchange rates and securities prices. As regards the related capital requirements, the risks associated to foreign exchange rates and securities prices are only calculated for positions in the trading book whereas interest rate risk must be taken into account for all positions.

The data marts contain all the information required to differentiate between financial products and counterparties as well as all the individual components needed for reporting purposes or market risk management.

- Net risk amounts
- RWA (Risk-weighted assets)
- Sensitivities to price fixing for options (delta / gamma / vega / theta)
- VaR (Value at Risk)
- Stressed VaR

Both a bank's on-balance positions and off-balance commitments are processed and included in calculations.

- Loans / money markets
- FX deals
- Bonds / promissory notes
- Equities / funds
- FRA (forward rate agreements)
- IRS (interest rate swaps)
- Swaptions
- Forward deals
- Caps / floors / collars
- Options / futures
- Credit derivatives

FlexFinance allows parallel calculations to be made in accordance with various regulatory approaches (standard, IRB, CAD), the use of which for reporting purposes has to be approved by the national authorities in each case.

Below is an example of a market risk report in FlexFinance based on these data marts:

Total		All positions					Positions		Net positions		Positions subject to capital charge		Own funds requirements	Total risk exposure amount
		Long	Short	Long	Short	Long	Long	Short	Long	Short	050	060		070
		010	020	030	040	050	060	070	080	090	100	110	120	130
TRADED DEBT INSTRUMENTS IN TRADING BOOK		010												
General risk		011												
Derivatives		012	129,355,356.00	200,000.00									0.00	1,238,757,389.00
Other assets and liabilities		013	0.00	0.00									0.00	
Maturity-based approach		020												
Zone 1		030				1,537,180,425.00		784,229,403.00			0.00		0.00	
0 <= 1 months		040				347,065,687.00		143,621,326.00						
> 1 <= 3 months		050				2,335,134.00		783,946.00						
> 3 <= 6 months		060				112,344,138.00		13,461,304.00						
> 6 <= 12 months		070				200,897,634.00		134,601,415.00						
1.2 Zone 2		080				31,488,721.00		944,662.00						
> 1 <= 2 (1.9 for coupon of less than 3%) years		090												
> 2 <= 3 (1.9 <= 2.8 for coupon of less than 3%) years		100				1,238,555.00		421,109.00						
> 3 <= 4 (2.8 <= 3.5 for coupon of less than 3%) years		110				21,030,834.00		2,523,700.00						
1.3 Zone 3		120				209,878,207.00		140,685,339.00						
> 4 <= 5 (3.5 <= 4.3 for coupon of less than 3%) years		130				1,357,867,142.00		490,777,663.00						
> 5 <= 7 (4.3 <= 5.7 for coupon of less than 3%) years		140				2,335,134.00		783,946.00						
> 7 <= 10 (5.7 <= 7.3 for coupon of less than 3%) years		150				112,344,138.00		13,461,304.00						
> 10 <= 15 (7.3 <= 9.3 for coupon of less than 3%) years		160				200,897,634.00		134,601,415.00						
> 15 <= 20 (9.3 <= 10.6 for coupon of less than 3%) years		170				31,488,721.00		944,662.00						
> 20 (10.6 <= 12.0 for coupon of less than 3%) years		180				12,345,234.00		1,461,428.00						
> 20 (12.0 <= 20.0 for coupon of less than 3%) years		190				998,456,221.00		339,478,118.00						
> 20 (20.0 <= 20.0 for coupon of less than 3%) years		200				0.00		0.00						
Duration-based approach		210				0.00		0.00						
Zone 1		220												
Zone 2		230												
Zone 3		240												
Specific risk		250												
Own funds requirement for non-securitisation debt instruments		260												
Debt securities under the first category		270												
Debt securities under the second category		280												
With residual term <= 6 months		290												
With a residual term > 6 months and <= 24 months		300												
Debt securities under the third category		310												
Debt securities under the fourth category		320												
Rated nrt-to default credit derivatives		330												
Own funds requirement for securitisation instruments		340												
Own funds requirement for the correlation trading portfolio		350												
Additional requirements for options (non-delta risks)		360												
Simplified method		370												
Delta plus approach - additional requirements for gamma risk		380												
Delta plus approach - additional requirements for vega risk		390												
Delta plus approach - non-continuous options and warrants		400												
Scenario matrix approach		410												

The following standard functions are also available for reports defined in FlexFinance:

- extensive [drilldown possibilities](#)
- possibility to [compare the report for different posting days](#)
- [proof of rule for reporting contents](#)
- manual editing combined with consistency check