

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		Short		050		060		070					
		010		020		030		040		050		060		070		080		090					
TRADED DEBT INSTRUMENTS IN TRADING BOOK		010																					
General risk		011																					
Derivatives		012 129,355,356.00 200,000.00																					
Other assets and liabilities		013 0.00 0.00																					
Maturity-based approach		020 1,837,180,425.00 784,229,403.00 0.00 0.00																					
		Zone 1				030 347,065,687.00 143,621,326.00																	
				0 <= 1 month		040 2,335,134.00 783,946.00																	
				> 1 <= 3 months		050 112,344,198.00 13,461,304.00																	
				> 3 <= 6 months		060 200,897,634.00 134,601,415.00																	
				> 6 <= 12 months		070 31,488,721.00 844,662.00																	
		1.2 Zone 2				080 232,247,896.00 143,630,208.00																	
				> 1 <= 2 (1.9 for coupon of less than 3%) years		090 1,238,888.00 421,109.00																	
				> 2 <= 3 (1.9 <= 2.8 for coupon of less than 3%) years		100 21,030,834.00 2,823,700.00																	
				> 3 <= 4 (2.8 <= 3.6 for coupon of less than 3%) years		110 209,878,207.00 140,685,339.00																	
		1.3 Zone 3				120 1,357,867,142.00 480,777,863.00																	
				> 4 <= 5 (3.6 <= 4.3 for coupon of less than 3%) years		130 2,335,134.00 783,946.00																	
				> 5 <= 7 (4.3 <= 5.7 for coupon of less than 3%) years		140 112,344,198.00 13,461,304.00																	
				> 7 <= 10 (5.7 <= 7.3 for coupon of less than 3%) years		150 200,897,634.00 134,601,415.00																	
				> 10 <= 15 (7.3 <= 9.3 for coupon of less than 3%) years		160 31,488,721.00 844,662.00																	
				> 15 <= 20 (9.3 <= 10.6 for coupon of less than 3%) years		170 12,345,234.00 1,461,428.00																	
				> 20 (10.6 <= 12.0 for coupon of less than 3%) years		180 898,456,221.00 339,478,115.00																	
				> 20 (12.0 <= 20.0 for coupon of less than 3%) years		190 0.00 0.00																	
				> 20 (12.0 <= 20.0 for coupon of less than 3%) years		200 0.00 0.00																	
		Duration-based approach				210																	
				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																					
		290 With residual term <= 6 months																					
		300 With a residual term > 6 months and <= 24 months																					
		310 With a residual term > 24 months																					
Debt securities under the third category		320																					
Debt securities under the fourth category		330																					
Rated nrt-to default credit derivatives		340																					
Own funds requirement for securitisation instruments		350																					
Own funds requirement for the correlation trading portfolio		360																					
Additional requirements for options (non-delta risks)		370																					
Simplified method		380																					
Delta plus approach - additional requirements for gamma risk		390																					
Delta plus approach - additional requirements for vega risk		400																					
Delta plus approach - non-continuous options and warrants		410																					
Scenario matrix approach		420																					

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