

Note 27 - Measurement of fair value of financial instruments

Financial instruments at fair value are classified at various levels.

Level 1: Valuation based on quoted prices in an active market

Fair value of financial instruments that are traded in the active markets is based on market price on the balance sheet date. A market is considered active if market prices are easily and regularly available from a stock exchange, dealer, broker, industry group, price-setting service or regulatory authority, and these prices represent actual and regularly occurring market transactions at an arm's length. This category also includes quoted shares and Treasury bills.

Level 2: Valuation based on observable market data

Level 2 consists of instruments that are valued by the use of information that does not consist in quoted prices, but where the prices are directly or indirectly observable for the assets or liabilities concerned, and which also include quoted prices in non-active markets.

Level 3: Valuation based on other than observable data

If valuation data are not available for level 1 and 2, valuation methods are applied that are based on non-observable information.

The following table presents the Group's assets and liabilities measured at fair value at 31 December 2017:

Assets (NOK million)	Level 1	Level 2	Level 3	Total
Financial assets at fair value through profit/loss				
Derivatives	16	4,334	-	4,351
Bonds and money market certificates	2,547	17,189	-	19,736
Equity instruments	1,339	-	419	1,759
Fixed interest loans	-	43	3,236	3,278
Financial assets available for sale				
Equity instruments	-	-	66	66
Total assets	3,902	21,566	3,722	29,190
Liabilities	Level 1	Level 2	Level 3	Total
Financial liabilities through profit/loss				
Derivatives	14	3,328	-	3,343
Equity instruments	239	4	-	244
Total liabilities	254	3,332	-	3,586

The following table presents the Group's assets and liabilities measured at fair value at 31 December 2016:

Assets (NOK million)	Level 1	Level 2	Level 3	Total
Financial assets at fair value through profit/loss				
Derivatives	44	4,708	-	4,752
Bonds and money market certificates	2,511	15,046	-	17,557
Equity instruments	959	-	524	1,483
Fixed interest loans	-	43	3,783	3,826
Financial assets available for sale				
Equity instruments	-	-	60	60
Total assets	3,514	19,796	4,367	27,676
Liabilities	Level 1	Level 2	Level 3	Total
Financial liabilities through profit/loss				
Derivatives	48	4,026	-	4,074
Equity instruments	173	8	-	181
Total liabilities	221	4,034	-	4,255

The following table presents the changes in the instruments classified in level 3 as at 31 December 2017:

(NOK million)	Fixed interest loans	Equity instruments through profit/loss	Equity instruments available for sale	Total
Opening balance 1 January 2017	3,783	524	60	4,367
Investment in periode	304	20	-	323
Disposals in the periode	-849	-157	-20	-1,026
Gain or loss on financial instruments	-2	33	27	57
Closing balance 31 December 2017	3,236	419	66	3,722

During the reporting periode there has been no migration between the levels due to changes in valuation

The following table presents the Group's assets and liabilities measured at fair value at 31 December 2016:

(NOK million)	Fixed interest loans	Equity instruments through profit/loss	Equity instruments available for sale	Total
Opening balance 1 January 2016	4,405	574	108	5,087
Investment in periode	770	28	1	799
Disposals in the periode	-1,347	-66	-	-1,413
Gain or loss on financial instruments	-44	-13	-50	-106
Closing balance 31 December 2016	3,783	524	60	4,367

Valuation method

The valuation method applied is adapted to each financial instrument, and is intended to utilise as much of the information that is available in the market as possible.

The method for valuation of financial instruments in level 2 and 3 is described in the following:

Loans to customers (level 3)

The loans consist for the most part of fixed interest loans denominated in Norwegian kroner. The value of the fixed interest loans is determined such that agreed interest flows are discounted over the term of the loan by a discount factor that is adjusted for margin requirements. The discount factor is raised by 10 points when calculating sensitivity.

Short-term paper and bonds (level 2 and 3)

Valuation on level 2 is based for the most part on observable market information in the form of interest rate curves, exchange rates and credit margins for the individual credit and the bond's or certificate's characteristics. For paper valued under level 3 the valuation is based on indicative prices from a third party or comparable paper.

Equity instruments (level 3)

Shares that are classified to level 3 include essentially investments in unquoted shares. Among other a total of NOK 365 million in Private Equity investments, property funds, hedge funds and unquoted shares through the company SpareBank 1 Invest. The valuations are in all essentials based on reporting from managers of the funds who utilise cash flow based models or multiples when determining fair value. The Group does not have full access to information on all the elements in these valuations and is therefore unable to determine alternative assumptions. Determination of fair value for the shares of Polaris Media is based on valuation undertaken by SpareBank 1 Markets. The latter is based on value-adjusted equity capital.

The owner interest in Visa Norge FLI is considered to be a financial asset and is classified to the category 'available for sale'. SpareBank 1 SMN has calculated the fair value of its portion of Visa Norge FLI at NOK 31.5 million. Sensitivity at level 3 measurement: Since the estimated value of Visa Norge is calculated by the association we do not have access to all significant inputs, but SpareBank 1 SMN has taken into account a liquidity discount on the shares of Visa Inc. of 20 per cent. Had this been adjusted to 25 per cent, the fair value measurement would have been 1.6 million lower.

Financial derivatives (level 2)

Financial derivatives at level 2 include for the most part currency futures and interest rate and exchange rate swaps. Valuation is based on observable interest rate curves. In addition the item includes derivatives related to FRAs. These are valued with a basis in observable

prices in the market. Derivatives classified to level 2 also include equity derivatives related to SpareBank 1 Markets' market-making activities. The bulk of these derivatives refer to the most sold shares on Oslo Børs, and the valuation is based on the price of the actual/underlying share and observable or calculated volatility.

Sensitivity analyses, level 3

(NOK million)	Book value	Effect from change in reasonable possible alternative assumptions
Fixed interest loans	3,236	-7
Equity instruments through profit/loss ^{*)}	419	-
Equity instruments available for sale	66	-2

^{*)} As described above, the information to perform alternative calculations are not available