

Disclosures according to Pfandbriefgesetz

Mortgage Pfandbriefe

€m	30.9.2017			30.9.2016		
	Nominal value	Net present value	Risk-adjusted net present value ¹	Nominal value	Net present value	Risk-adjusted net present value ¹
Cover calculation mortgage Pfandbriefe						
Liabilities to be covered	15,647.0	16,690.8	15,923.3	14,409.0	16,103.4	15,318.2
of which Pfandbriefe outstanding	15,647.0	16,690.8	15,923.3	14,409.0	16,103.4	15,318.2
of which derivatives	–	–	–	–	–	–
Cover assets	21,137.8	23,281.5	22,113.1	18,206.8	20,861.3	19,809.6
of which cover loans	20,592.8	22,695.0	21,536.5	17,686.8	20,334.3	19,291.7
of which cover assets Art. 19 (1) No. 1, 2, 3 PfandBG	545.0	586.6	576.6	520.0	527.0	517.9
of which derivatives	–	–	–	–	–	–
Risk-adjusted net present value after interest rate stress test			6,189.8			4,491.4
Loss from currency stress test			–			–
Cover surplus	5,490.8	6,590.7	6,189.8	3,797.8	4,757.8	4,491.4

¹ Risk-adjusted net present value including currency stress test.

€m	30.9.2017	30.9.2016
Mortgage Pfandbriefe outstanding with a residual term of		
up to 6 months	328.0	233.7
over 6 months up to 12 months	1,056.4	746.5
over 12 months up to 18 months	447.1	328.7
over 18 months up to 2 years	3,081.5	1,056.2
over 2 years up to 3 years	636.8	3,457.4
over 3 years up to 4 years	1,421.2	631.8
over 4 years up to 5 years	1,259.0	1,315.7
over 5 years up to 10 years	7,130.0	5,452.0
over 10 years	287.0	1,187.0
Total	15,647.0	14,409.0
Cover assets mortgage Pfandbriefe with a residual fixed interest period of		
up to 6 months	779.7	733.1
over 6 months up to 12 months	894.5	741.0
over 12 months up to 18 months	930.4	682.3
over 18 months up to 2 years	873.6	729.8
over 2 years up to 3 years	1,756.9	1,587.0
over 3 years up to 4 years	1,795.6	1,365.1
over 4 years up to 5 years	2,083.8	1,997.1
over 5 years up to 10 years	11,160.6	9,658.7
over 10 years	862.8	712.8
Total	21,137.8	18,206.8

Other cover assets €m	30.9.2017	30.9.2016
Equalisation claims as defined by Art. 19 (1) no. 1 Pfandbriefgesetz		
Germany	–	–
Total	–	–
Loans as defined by Art. 19 (1) no. 2 Pfandbriefgesetz		
Germany	–	–
of which covered bonds as defined by Art. 129 of EU Regulation 575/2013	–	–
Total	–	–
Loans as defined by Art. 19 (1) no. 3 Pfandbriefgesetz		
Germany	545.0	520.0
Total	545.0	520.0
Total	545.0	520.0

Size categories €m	30.9.2017	30.9.2016
Up to €0.3m	16,819.5	14,791.9
over €0.3m up to €1m	2,948.4	2,158.8
over €1m up to €10m	697.4	589.7
over €10m	127.5	146.4
Total	20,592.8	17,686.8

Mortgage Pfandbriefe by country and type of use €m	30.9.2017		30.9.2016	
	Commercial	Residential	Commercial	Residential
Germany				
Flats	–	5,121.6	–	4,159.5
Single family house	–	12,612.8	–	10,960.8
Multi-dwellings	–	2,625.6	–	2,249.5
Office buildings	35.5	–	56.6	–
Retail buildings	170.3	–	225.6	–
Industrial buildings	0.3	–	1.2	–
Other commercially used real estate	26.7	–	33.4	–
Unfinished new buildings not yet generating income	–	0.0	–	0.1
Building sites	–	0.0	–	–
Total	232.8	20,360.1	316.9	17,370.0

Foreign currency €m	30.9.2017	30.9.2016
Net present value	–	–
Interest structure %	30.9.2017	30.9.2016
Share of fixed-income cover assets	99.9	97.1
Share of fixed-income Pfandbriefe	98.4	98.2
Limit breaches €m	30.9.2017	30.9.2016
Total amount of loans that exceed the limits defined by Art. 13 (1) PfandBG	–	–
Total amount of loans that exceed the limits defined by Art. 19 (1) PfandBG	–	–
Other structural data	30.9.2017	30.9.2016
Average age of the loans weighted by value, in years (seasoning)	5.0	5.5
Average weighted loan-to-value ratio in %	52.6	52.3
Payments in arrear €m	30.9.2017	30.9.2016
Total payments overdue by at least 90 days	–	–
Total amount of these receivables where the arrears represent at least 5% of the receivable concerned	–	–

Public Pfandbriefe

€m	30.9.2017			30.9.2016		
	Nominal value	Net present value	Risk-adjusted net present value ¹	Nominal value	Net present value	Risk-adjusted net present value ¹
Cover calculation public Pfandbriefe						
Liabilities to be covered	10,214.0	12,884.2	13,469.5	12,925.4	17,122.0	16,966.8
of which Pfandbriefe outstanding	10,214.0	12,884.2	13,469.5	12,925.4	17,122.0	16,966.8
of which derivatives	–	–	–	–	–	–
Cover assets	11,388.5	14,045.7	14,487.0	14,759.0	18,808.5	18,349.6
of which cover loans	184.0	187.4	187.3	752.1	783.8	769.7
of which cover assets Art. 20 (1) PfandBG	11,129.9	13,787.5	14,202.5	14,372.4	18,392.1	17,933.2
of which cover assets Art. 20 (2) PfandBG	258.5	258.2	284.5	386.7	416.4	416.4
of which derivatives	–	–	–	–	–	–
Risk-adjusted net present value after interest rate stress test			1,186.0			1,686.5
Loss from currency stress test			– 168.5			– 303.7
Cover surplus	1,174.4	1,161.5	1,017.5	1,833.6	1,686.5	1,382.8

¹ Risk-adjusted net present value including currency stress test.

€m	30.9.2017	30.9.2016
Public Pfandbriefe outstanding with a residual term of		
up to 6 months	381.5	1,890.7
over 6 months up to 12 months	793.0	474.8
over 12 months up to 18 months	737.0	435.2
over 18 months up to 2 years	829.5	780.3
over 2 years up to 3 years	1,385.9	1,557.9
over 3 years up to 4 years	213.5	1,400.0
over 4 years up to 5 years	356.0	223.5
over 5 years up to 10 years	2,531.7	2,773.4
over 10 years	2,985.9	3,389.5
Total	10,214.0	12,925.4
Cover assets public Pfandbriefe with a residual fixed interest period of		
up to 6 months	744.8	540.3
over 6 months up to 12 months	713.7	1,403.4
over 12 months up to 18 months	507.2	788.6
over 18 months up to 2 years	310.8	1,037.4
over 2 years up to 3 years	809.9	722.1
over 3 years up to 4 years	593.5	1,126.4
over 4 years up to 5 years	521.9	1,043.3
over 5 years up to 10 years	1,998.3	2,620.4
over 10 years	5,188.4	5,477.2
Total	11,388.5	14,759.0

Other cover assets €m	30.9.2017	30.9.2016
Equalisation claims as defined by Art. 20 (2) no. 1 Pfandbriefgesetz		
Germany	–	–
Total	–	–
Loans as defined by Art. 20 (2) no. 2 Pfandbriefgesetz		
Germany	258.5	286.7
of which covered bonds as defined by Art. 129 of EU Regulation 575/2013	–	–
Netherlands	–	100.0
of which covered bonds as defined by Art. 129 of EU Regulation 575/2013	–	–
Total	258.5	386.7
Total	258.5	386.7
Size categories €m	30.9.2017	30.9.2016
up to €10m	135.1	126.8
over €10m up to €100m	2,118.0	2,533.8
over €100m	8,876.8	11,711.7
Total	11,129.9	14,372.4
Foreign currency €m	30.9.2017	30.9.2016
Net present value in Australian dollars	–	–150.7
Net present value in Canadian dollars	38.4	57.2
Net present value in Swiss francs	849.6	556.7
Net present value in British pound	527.8	652.1
Net present value in Japanese yen	–	–
Net present value in Norwegian crowns	–	–1.7
Net present value in US dollars	357.7	867.5
Interest structure %	30.9.2017	30.9.2016
Share of fixed-income cover assets	76.1	66.7
Share of fixed-income Pfandbriefe	84.3	85.9
Limit breaches €m	30.9.2017	30.9.2016
Total amount of loans that exceed the limits defined by Art. 20 (2) PfandBG	–	–
Payments in arrear €m	30.9.2017	30.9.2016
Total payments overdue by at least 90 days	–	–
Total amount of these receivables where the arrears represent at least 5% of the receivable concerned	–	–

Registered office of borrowers or guarantors €m	30.9.2017	30.9.2016
Total	11,129.9	14,372.4
of which borrowers have a registered office in		
Countries	1,996.9	2,046.3
Belgium	164.5	–
Germany	204.5	306.8
Great Britain/North Ireland/Channel Islands/Isle of Man	282.2	363.8
Iceland	92.4	94.8
Italy	44.3	42.5
Canada	14.6	15.4
Austria	632.9	622.3
Portugal	475.0	275.0
Czech Republic	86.5	–
Hungary	–	325.6
Regional authorities	6,043.6	6,644.2
Germany	4,117.4	4,172.0
France including Monaco	47.7	53.4
Italy	503.4	1,206.1
Japan	42.0	42.0
Canada	60.5	142.2
Austria	60.0	–
Switzerland	916.5	662.0
Spain	296.2	366.5
Local authorities	1,265.8	1,352.2
Germany	83.1	85.2
Estonia	6.9	8.3
Finland	85.2	90.2
France including Monaco	24.3	27.2
Great Britain/North Ireland/Channel Islands/Isle of Man	7.4	7.5
Iceland	28.0	30.7
Italy	477.4	478.3
Canada	37.4	37.4
Switzerland	118.2	119.5
USA	397.8	468.0
Other borrowers with a registered office in	733.6	2,570.5
Germany	275.4	1,157.8
France including Monaco	369.7	378.6
Austria	–	852.0
Switzerland	50.0	100.0
Supranational organisations ¹	2.0	5.9
USA	36.5	76.3
Total	10,039.9	12,613.3
of which guarantors have a registered office in		
Countries	209.6	777.7
Germany	209.6	777.7
of which receivables from export credit agencies	184.0	752.1
Regional authorities	146.7	125.4
Belgium	146.7	125.4
Local authorities	–	–
Other borrowers with a registered office in	733.8	856.0
Germany	733.8	856.0
Total	1,090.1	1,759.1
Other cover assets as defined by Art. 20 (2) Pfandbriefgesetz	258.5	386.7
Total	11,388.5	14,759.0

¹ Cover assets issued by European institutions.

Shipping Pfandbriefe

Commerzbank surrendered its licence to operate shipping Pfandbrief business with effect from 31 May 2017. As of 01 June 2017 the Federal Financial Supervisory Authority granted an exception to the cap set for further cover assets under the Pfandbrief Act Art. 26 (1) no. 4. Shipping

Pfandbriefs issued are fully secured by additional assets that satisfy the requirements for covering public-sector Pfandbriefs and (to the extent that they exceed the cap on other cover assets under the Pfandbrief Act) also the credit rating criteria set by the Federal Financial Supervisory Authority.

€m	30.9.2017			30.9.2016		
	Nominal value	Net present value	Risk-adjusted net present value	Nominal value	Net present value	Risk-adjusted net present value
Cover calculation ship Pfandbriefe						
Liabilities to be covered	571.9	664.5	668.6	1,210.9	1,394.9	1,368.1
of which Pfandbriefe outstanding	571.9	664.5	668.6	1,177.0	1,352.9	1,325.8
of which derivatives ¹	0.0	0.0	0.0	33.9	41.9	42.3
Cover assets	723.7	741.3	739.6	1,626.9	1,704.3	1,700.8
of which cover loans	0.0	0.0	0.0	1,406.9	1,470.3	1,472.9
of which Cover assets as defined by Art. 26 (1) no. 2, 3, 4 PfandBG	723.7	741.3	739.6	220.0	234.0	228.0
of which derivatives ¹	0.0	0.0	0.0	–	–	–
Risk-adjusted net present value after interest rate stress test			70.9			332.7
Loss from currency stress test			0.0			–150.0
Cover surplus	151.8	76.9	70.9	416.0	309.4	182.8

¹ Exclusively to cover currency risks.

€m	30.9.2017	30.9.2016
Ship Pfandbriefe outstanding with a residual term of		
up to 6 months	100.0	81.9
over 6 months up to 12 months	18.0	300.0
over 12 months up to 18 months	35.0	100.0
over 18 months up to 2 years	20.0	18.0
over 2 years up to 3 years	105.0	126.2
over 3 years up to 4 years	78.5	110.0
over 4 years up to 5 years	70.2	184.0
over 5 years up to 10 years	140.0	251.7
over 10 years	5.3	5.2
Total	571.9	1,177.0
Cover assets ship Pfandbriefe with a residual fixed interest period of		
up to 6 months	0.0	1,481.9
over 6 months up to 12 months	265.0	–
over 12 months up to 18 months	185.7	145.0
over 18 months up to 2 years	50.0	–
over 2 years up to 3 years	50.0	–
over 4 years up to 5 years	173.0	–
over 5 years up to 10 years	0.0	–
Total	723.7	1,626.9

Other cover assets €m	30.9.2017	30.9.2016
Germany		
Equalisation claims as defined by Art. 26 (1) no. 2 Pfandbriefgesetz	–	–
Loans as defined by Art. 26 (1) no. 3 Pfandbriefgesetz	75.0	75.0
of which covered bonds as defined by Art. 129 of EU Regulation 575/2013	–	–
Loans as defined by Art. 26 (1) no. 4 Pfandbriefgesetz ¹	648.7	145.0
Claims from derivatives to cover currency risks as defined by Art. 26 (1) no. 5 sentence 2 Pfandbriefgesetz	0.0	–
Total	723.7	220.0

¹ Commerzbank surrendered its licence to operate shipping Pfandbrief business with effect from 31 May 2017. In this context the Federal Financial Supervisory Authority granted an exception to the cap set for further cover assets under the Pfandbrief Act by Art. 26 (1) no.4 PfandBG as of 01 June 2017.

Size categories €m	30.9.2017	30.9.2016
Up to €0.5m	0.0	1.3
over €0.5m up to €5m	0.0	398.5
over €5m	0.0	1,007.1
Total	0.0	1,406.9

Country in which the mortgaged vessel or vessel under construction is registered €m	30.9.2017	30.9.2016
Ocean going vessels	0.0	1,406.9
Antigua and Barbuda	–	5.3
Bahamas	0.0	59.6
Germany	0.0	722.7
Gibraltar	–	0.7
Greece	0.0	77.4
Great Britain	0.0	11.6
Hong Kong	0.0	35.8
Isle of Man	0.0	45.6
Liberia	0.0	96.0
Malta	0.0	128.2
Marshall Islands	0.0	106.3
Netherlands	0.0	20.2
Norway	–	7.1
Panama	0.0	24.3
Singapore	0.0	12.2
Turkey	0.0	5.4
Cyprus	0.0	48.5
Inland waterway vessels	–	–
Total	0.0	1,406.9

Foreign currency €m	30.9.2017	30.9.2016
Net present value in Swiss francs	0.0	7.8
Net present value in Japanese yen	0.0	46.6
Net present value in US dollars	0.0	726.0

Interest structure %	30.9.2017	30.9.2016
Share of fixed-income cover assets	89.6	1.0
Share of fixed-income Pfandbriefe	97.8	90.2

Limit breaches €m	30.9.2017	30.9.2016
Total amount of loans that exceed the limits defined by Art. 26 (1) PfandBG ¹	–	–

¹ Commerzbank surrendered its licence to operate shipping Pfandbrief business with effect from 31 May 2017. In this context the Federal Financial Supervisory Authority granted an exception to the cap set for further cover assets under the Pfandbrief Act by Art. 26 (1) no.4 PfandBG as of 01 June 2017.

Payments in arrears

The nominal value of the loan receivables used to cover for ship Pfandbriefe was €0.0m; consequently no arrears of principal and interest existed. In the previous year the nominal value of the loan receivables used to cover for ship Pfandbriefe was 1,406.9m. This did not include arrears of principal and interest, as principal payments cease to be included in the cover

calculation and interest was not treated as a cover asset after the due date. Payments in arrears in excess of the cover amount stood at €13.4m in the previous year. Receivables where the arrears represented at least 5% of the receivable concerned amounted to €40.4m in total in the previous year.