



Financial Data Supplement Q4 2017

Based on Q1 2018 Segmental Reporting and Financial Statements Structure

19 April 2018



Due to rounding, numbers presented throughout this document may not sum precisely to the totals we provide and percentages may not precisely reflect the absolute figures.

All segment figures reflect segment composition as of 31 March 2018.

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Financial summary



	FY 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	FY 2017	Q4 2017 vs. Q3 2017	FY 2017 vs. FY 2016
Key financial information								
CRR/CRD 4 Leverage Ratio in % (fully loaded) ^{1,2}	3.5 %	3.4 %	3.2 %	3.8 %	3.8 %	3.8 %	0.0 ppt	0.3 ppt
CRR/CRD 4 Leverage Ratio in % (phase-in) ²	4.1 %	3.9 %	3.7 %	4.2 %	4.1 %	4.1 %	(0.1)ppt	0.0 ppt
Fully loaded CRR/CRD 4 leverage exposure, in € bn. ¹	1,348	1,369	1,442	1,420	1,395	1,395	(2)%	4 %
Common Equity Tier 1 capital ratio (fully loaded) ^{2,3,4}	11.8 %	11.8 %	11.8 %	13.8 %	14.0 %	14.0 %	0.2 ppt	2.2 ppt
Common Equity Tier 1 capital ratio (phase-in) ^{2,3}	13.4 %	12.6 %	12.6 %	14.6 %	14.8 %	14.8 %	0.2 ppt	1.4 ppt
Risk-weighted assets, in € bn. ^{3,4}	358	358	355	355	344	344	(3)%	(4)%
Adjusted Costs, in € m. ⁵	24,734	6,336	5,641	5,513	6,401	23,891	16 %	(3)%
Post-tax return on average shareholders' equity ²	(2.3) %	3.8 %	2.7 %	3.9 %	(14.8) %	(1.2) %	(18.8)ppt	1.1 ppt
Post-tax return on average tangible shareholders' equity ^{2,6}	(2.7) %	4.5 %	3.2 %	4.5 %	(17.2) %	(1.4) %	(21.7)ppt	1.3 ppt
Cost/income ratio ²	98.1 %	86.2 %	86.4 %	83.5 %	122.4 %	93.4 %	38.8 ppt	(4.7)ppt
Compensation ratio ²	39.6 %	42.8 %	44.1 %	41.4 %	59.2 %	46.3 %	17.8 ppt	6.8 ppt
Noncompensation ratio ²	58.5 %	43.4 %	42.2 %	42.1 %	63.2 %	47.0 %	21.1 ppt	(11.5)ppt
Total net revenues, in € m.	30,014	7,346	6,616	6,776	5,710	26,447	(16)%	(12)%
Provision for credit losses, in € m.	1,383	133	79	184	129	525	(30)%	(62)%
Total noninterest expenses, in € m.	29,442	6,334	5,715	5,660	6,986	24,695	23 %	(16)%
Income (loss) before income taxes, in € m.	(810)	878	822	933	(1,406)	1,228	N/M	N/M
Net income (loss), in € m.	(1,356)	575	466	649	(2,425)	(735)	N/M	(46)%
Total assets, in € bn. ³	1,591	1,565	1,569	1,521	1,475	1,475	(3)%	(7)%
Shareholders' equity, in € bn. ³	60	60	66	66	63	63	(4)%	6 %
Basic earnings per share ^{7,8}	€ (1.08)	€ 0.36	€ 0.08	€ 0.31	€ (1.15)	€ (0.53)	N/M	(51)%
Diluted earnings per share ^{2,7,8}	€ (1.08)	€ 0.34	€ 0.07	€ 0.30	€ (1.15)	€ (0.53)	N/M	(51)%
Book value per basic share outstanding ²	€ 38.14	€ 37.69	€ 31.43	€ 31.37	€ 30.16	€ 30.16	(4)%	(21)%
Tangible book value per basic share outstanding ²	€ 32.42	€ 32.00	€ 27.24	€ 27.18	€ 25.94	€ 25.94	(5)%	(20)%
Other Information								
Branches ³	2,656	2,552	2,459	2,434	2,425	2,425	(0)%	(9)%
thereof: in Germany	1,776	1,683	1,589	1,578	1,570	1,570	(1)%	(12)%
Employees (full-time equivalent) ³	99,744	98,177	96,652	96,817	97,535	97,535	1 %	(2)%
thereof: in Germany	44,600	44,132	43,509	42,879	42,526	42,526	(1)%	(5)%
Share price at period end ⁹	€ 15.40	€ 16.15	€ 15.53	€ 14.63	€ 15.88	€ 15.88	9 %	3 %
Share price high ⁹	€ 19.72	€ 17.82	€ 17.69	€ 16.91	€ 17.13	€ 17.82	1 %	(10)%
Share price low ⁹	€ 8.83	€ 15.12	€ 14.70	€ 13.11	€ 13.83	€ 13.11	5 %	48 %
Long-term non-preferred senior debt rating: ³								
Moody's Investors Service	Baa2	Baa2	Baa2	Baa2	Baa2	Baa2		
Standard & Poor's	BBB+	BBB-	BBB-	BBB-	BBB-	BBB-		
Fitch Ratings	A-	A-	A-	BBB+	BBB+	BBB+		
DBRS Ratings	A(low)	A(low)	A(low)	A(low)	A(low)	A(low)		

For footnotes please refer to page 22.

Consolidated Statement of Income



(In € m.)	FY 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	FY 2017	Q4 2017 vs. Q3 2017	FY 2017 vs. FY 2016
Interest and similar income	25,636	6,012	6,261	5,955	5,863	24,092	(2)%	(6)%
Interest expense	10,929	2,955	3,181	2,725	2,854	11,714	5 %	7 %
Net interest income	14,707	3,058	3,081	3,230	3,009	12,378	(7)%	(16)%
Provision for credit losses	1,383	133	79	184	129	525	(30)%	(62)%
Net interest income after provision for credit losses	13,324	2,924	3,002	3,046	2,880	11,853	(5)%	(11)%
Commissions and fee income	11,744	2,935	2,839	2,582	2,646	11,002	2 %	(6)%
Net gains (losses) on financial assets/liabilities at fair value through profit or loss	1,396	1,108	845	658	308	2,919	(53)%	109 %
Net gains (losses) on financial assets at amortized cost ²¹	N/A	N/A	N/A	N/A	N/A	N/A	N/M	N/M
Net gains (losses) on financial assets at fair value through OCI ²¹	N/A	N/A	N/A	N/A	N/A	N/A	N/M	N/M
Net gains (losses) on financial assets available for sale	659	119	78	60	229	486	N/M	(26)%
Net income (loss) from equity method investments	455	20	84	21	12	137	(42)%	(70)%
Other income (loss)	1,053	106	(310)	224	(495)	(475)	N/M	N/M
Total noninterest income	15,307	4,288	3,535	3,546	2,700	14,070	(24)%	(8)%
Compensation and benefits	11,874	3,147	2,921	2,806	3,379	12,253	20 %	3 %
General and administrative expenses	15,454	3,201	2,724	2,865	3,184	11,973	11 %	(23)%
Policyholder benefits and claims	374	0	(0)	0	0	0	N/M	N/M
Impairment of goodwill and other intangible assets	1,256	0	6	(0)	15	21	N/M	(98)%
Restructuring activities	484	(14)	64	(12)	408	447	N/M	(8)%
Total noninterest expenses	29,442	6,334	5,715	5,660	6,986	24,695	23 %	(16)%
Income (loss) before income taxes	(810)	878	822	933	(1,406)	1,228	N/M	N/M
Income tax expense (benefit)	546	303	357	284	1,019	1,963	N/M	N/M
Net income (loss)	(1,356)	575	466	649	(2,425)	(735)	N/M	(46)%
Net income attributable to noncontrolling interests	45	4	19	2	(10)	15	N/M	(66)%
Net income attributable to Deutsche Bank shareholders and additional equity components	(1,402)	571	447	647	(2,415)	(751)	N/M	(46)%
Memo:								
Basic shares outstanding (average), in m.	1,555.3	1,579.7	2,086.0	2,095.8	2,094.6	1,967.7	(0)%	27 %
Diluted shares outstanding (average), in m.	1,555.3	1,655.0	2,140.2	2,151.7	2,094.6	1,967.7	(3)%	27 %
Cost/income ratio ²	98.1 %	86.2 %	86.4 %	83.5 %	122.4 %	93.4 %	38.8 ppt	(4.7)ppt
Compensation ratio ²	39.6 %	42.8 %	44.1 %	41.4 %	59.2 %	46.3 %	17.8 ppt	6.8 ppt
Noncompensation ratio ²	58.5 %	43.4 %	42.2 %	42.1 %	63.2 %	47.0 %	21.1 ppt	(11.5)ppt

For footnotes please refer to page 22.

Net revenues - Segment view¹⁰



(In € m.)	FY 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	FY 2017	Q4 2017 vs. Q3 2017	FY 2017 vs. FY 2016
Corporate & Investment Bank:								
Global Transaction Banking	4,419	1,042	967	964	944	3,917	(2)%	(11)%
Equity Origination	405	153	115	66	63	396	(4)%	(2)%
Debt Origination	1,393	391	311	287	338	1,327	18 %	(5)%
Advisory	495	113	137	122	137	508	12 %	3 %
Origination and Advisory	2,292	657	563	475	537	2,231	13 %	(3)%
Sales & Trading (Equity)	2,551	687	532	521	329	2,069	(37)%	(19)%
Sales & Trading (FIC)	7,267	2,270	1,691	1,572	1,079	6,613	(31)%	(9)%
Sales & Trading	9,818	2,956	2,224	2,094	1,408	8,682	(33)%	(12)%
Other	233	(247)	(136)	(64)	(158)	(604)	146 %	N/M
Total Corporate & Investment Bank	16,763	4,408	3,618	3,468	2,732	14,226	(21)%	(15)%
Private & Commercial Bank:								
Private & Commercial Clients	5,225	1,299	1,307	1,348	1,059	5,013	(21)%	(4)%
Postbank	3,366	771	726	824	802	3,124	(3)%	(7)%
Wealth Management	1,880	634	526	429	452	2,041	5 %	9 %
Hua Xia	618	0	0	0	0	0	N/M	(100)%
Total Private & Commercial Bank	11,090	2,704	2,559	2,602	2,313	10,178	(11)%	(8)%
therein:								
Net interest income	6,201	1,388	1,536	1,446	1,505	5,875	4 %	(5)%
Commission and fee income	3,395	924	852	817	775	3,367	(5)%	(1)%
Remaining income	1,494	392	171	339	33	935	(90)%	(37)%
Asset Management:								
Management Fees	2,198	564	575	553	554	2,246	0 %	2 %
Performance & Transaction Fees	220	19	86	29	65	199	122 %	(9)%
Other Revenues	201	24	15	46	2	86	(95)%	(57)%
Mark-to-market movements on policyholder positions in Abbey Life	396	0	0	0	0	0	N/M	N/M
Total Deutsche Asset Management	3,015	607	676	628	621	2,532	(1)%	(16)%
Non-Core Operations Unit	(382)	-	-	-	-	-	N/M	N/M
Corporate & Other	(471)	(373)	(237)	79	44	(488)	(44)%	3 %
Net revenues	30,014	7,346	6,616	6,776	5,710	26,447	(16)%	(12)%

For footnotes please refer to page 22.



(In € m., unless stated otherwise)	FY 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	FY 2017	Q4 2017 vs. Q3 2017	FY 2017 vs. FY 2016
Global Transaction Banking	4,419	1,042	967	964	944	3,917	(2)%	(11)%
Equity Origination	405	153	115	66	63	396	(4)%	(2)%
Debt Origination	1,393	391	311	287	338	1,327	18 %	(5)%
Advisory	495	113	137	122	137	508	12 %	3 %
Origination and Advisory	2,292	657	563	475	537	2,231	13 %	(3)%
Sales & Trading (Equity)	2,551	687	532	521	329	2,069	(37)%	(19)%
Sales & Trading (FIC)	7,267	2,270	1,691	1,572	1,079	6,613	(31)%	(9)%
Sales & Trading	9,818	2,956	2,224	2,094	1,408	8,682	(33)%	(12)%
Other	233	(247)	(136)	(64)	(158)	(604)	146 %	N/M
Total net revenues	16,763	4,408	3,618	3,468	2,732	14,226	(21)%	(15)%
Provision for credit losses	816	57	56	94	7	213	(93)%	(74)%
Compensation and benefits	4,014	1,128	966	925	1,309	4,328	41 %	8 %
General and administrative expenses	9,328	2,410	1,895	2,046	2,126	8,477	4 %	(9)%
Policyholder benefits and claims	0	0	0	0	0	0	N/M	N/M
Impairment of goodwill and other intangible assets	285	0	6	(0)	0	6	N/M	(98)%
Restructuring activities	299	32	66	(5)	(12)	82	156 %	(73)%
Total noninterest expenses	13,925	3,570	2,933	2,966	3,423	12,892	15 %	(7)%
Noncontrolling interests	49	4	19	2	1	26	(25)%	(46)%
Income (loss) before income taxes	1,972	777	610	406	(700)	1,094	N/M	(45)%
Resources								
Employees (front office full-time equivalent, at period end)	17,736	17,263	16,783	17,247	17,699	17,699	3 %	(0)%
Total employees (full-time equivalent, at period end) ¹¹	39,134	38,728	39,701	39,923	40,839	40,839	2 %	4 %
Assets (at period end) ¹²	1,201,894	1,176,472	1,210,220	1,162,026	1,127,028	1,127,028	(3)%	(6)%
Risk-weighted assets (at period end) ⁴	237,596	244,277	241,915	241,820	231,574	231,574	(4)%	(3)%
CRR/CRD 4 leverage exposure (at period end) ^{1,13}	954,203	979,378	1,078,567	1,049,576	1,029,946	1,029,946	(2)%	8 %
Average allocated shareholders' equity	40,029	40,374	44,983	45,958	45,475	44,169	(1)%	10 %
Efficiency Ratios²								
Cost/income ratio	83.1 %	81.0 %	81.1 %	85.5 %	125.3 %	90.6 %	39.8 ppt	7.6 ppt
Post-tax return on average shareholders' equity ^{2,20}	3.2 %	5.2 %	3.6 %	2.4 %	(4.1) %	1.7 %	(6.5)ppt	(1.6)ppt
Post-tax return on average tangible shareholders' equity ^{2,6,20}	3.4 %	5.6 %	3.9 %	2.5 %	(4.4) %	1.8 %	(6.9)ppt	(1.6)ppt

For footnotes please refer to page 22.



(In € m., unless stated otherwise)	FY 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	FY 2017	Q4 2017 vs. Q3 2017	FY 2017 vs. FY 2016
Private & Commercial Clients	5,225	1,299	1,307	1,348	1,059	5,013	(21)%	(4)%
Postbank	3,366	771	726	824	802	3,124	(3)%	(7)%
Wealth Management	1,880	634	526	429	452	2,041	5 %	9 %
Hua Xia	618	0	0	0	0	0	N/M	(100)%
Total net revenues	11,090	2,704	2,559	2,602	2,313	10,178	(11)%	(8)%
therein:								
Net interest income	6,201	1,388	1,536	1,446	1,505	5,875	4 %	(5)%
Commission and fee income	3,395	924	852	817	775	3,367	(5)%	(1)%
Remaining income	1,494	392	171	339	33	935	(90)%	(37)%
Provision for credit losses	439	78	22	90	123	313	36 %	(29)%
Compensation and benefits	4,044	999	982	989	1,021	3,991	3 %	(1)%
General and administrative expenses	4,920	1,247	1,221	1,178	1,403	5,048	19 %	3 %
Policyholder benefits and claims	0	0	0	0	0	0	N/M	N/M
Impairment of goodwill and other intangible assets	0	0	0	(0)	12	12	N/M	N/M
Restructuring activities	141	(48)	(4)	(5)	417	360	N/M	155 %
Total noninterest expenses	9,104	2,197	2,199	2,162	2,853	9,412	32 %	3 %
Noncontrolling interests	0	(0)	(1)	1	(12)	(12)	N/M	N/M
Income (loss) before income taxes	1,546	430	338	348	(651)	465	N/M	(70)%
Resources								
Employees (front office full-time equivalent, at period end)	45,183	44,803	44,281	43,829	43,620	43,620	(0)%	(3)%
Total employees (full-time equivalent, at period end) ¹¹	53,326	53,475	51,148	51,085	50,896	50,896	(0)%	(5)%
Assets (at period end) ¹²	329,869	331,564	332,531	330,884	333,069	333,069	1 %	1 %
Risk-weighted assets (at period end) ⁴	86,082	87,617	88,534	88,656	87,472	87,472	(1)%	2 %
CRR/CRD 4 leverage exposure (at period end) ^{1,13}	342,424	342,461	345,998	342,146	344,087	344,087	1 %	0 %
Average allocated shareholders' equity	14,256	14,326	15,323	15,155	14,936	14,934	(1)%	5 %
Assets under management (at period end, in € bn.) ¹⁴	501	508	504	505	506	506	0 %	1 %
Net flows (in € bn.)	(42)	2	3	(0)	(0)	4	N/M	N/M
Efficiency Ratios²								
Cost/income ratio	82.1 %	81.2 %	85.9 %	83.1 %	123.4 %	92.5 %	40.2 ppt	10.4 ppt
Post-tax return on average shareholders' equity ^{2,20}	7.1 %	8.0 %	5.9 %	6.2 %	(11.7) %	2.1 %	(17.8)ppt	(5.0)ppt
Post-tax return on average tangible shareholders' equity ^{2,6,20}	8.1 %	9.3 %	6.9 %	7.2 %	(13.7) %	2.4 %	(20.8)ppt	(5.6)ppt

For footnotes please refer to page 22.



(In € m., unless stated otherwise)	FY 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	FY 2017	Q4 2017 vs. Q3 2017	FY 2017 vs. FY 2016
Management Fees	2,198	564	575	553	554	2,246	0 %	2 %
Performance & Transaction Fees	220	19	86	29	65	199	122 %	(9)%
Other Revenues	201	24	15	46	2	86	(95)%	(57)%
Mark-to-market movements on policyholder positions in Abbey Life	396	0	0	0	0	0	N/M	N/M
Total net revenues	3,015	607	676	628	621	2,532	(1)%	(16)%
Provision for credit losses	1	(0)	(0)	(0)	(0)	(1)	69 %	N/M
Compensation and benefits	733	196	201	191	216	804	13 %	10 %
General and administrative expenses	1,030	223	235	241	286	985	18 %	(4)%
Policyholder benefits and claims	374	0	(0)	0	0	0	N/M	N/M
Impairment of goodwill and other intangible assets	1,021	0	0	0	3	3	N/M	(100)%
Restructuring activities	47	2	2	(2)	3	6	N/M	(88)%
Total noninterest expenses	3,204	421	437	430	507	1,797	18 %	(44)%
Noncontrolling interests	0	0	1	0	0	1	(52)%	N/M
Income (loss) before income taxes	(189)	185	238	197	114	734	(42)%	N/M
Resources								
Employees (front office full-time equivalent, at period end)	4,046	3,980	3,953	3,998	3,967	3,967	(1)%	(2)%
Total employees (full-time equivalent, at period end) ¹¹	5,332	5,203	5,043	5,047	5,026	5,026	(0)%	(6)%
Assets (at period end) ¹²	12,300	12,493	11,509	11,506	8,050	8,050	(30)%	(35)%
Risk-weighted assets (at period end) ⁴	8,960	9,523	9,018	9,528	8,432	8,432	(12)%	(6)%
CRR/CRD 4 leverage exposure (at period end) ^{1,13}	3,126	3,329	3,268	3,300	2,870	2,870	(13)%	(8)%
Average allocated shareholders' equity	4,863	4,790	4,707	4,655	4,710	4,725	1 %	(3)%
Management fee margin (in bps) ¹⁵	31	32	32	31	31	32	(0.1)bps	1.0 bps
Assets under management (at period end, in € bn.) ¹⁴	706	723	711	711	702	702	(1)%	(1)%
Net flows (in € bn.)	(41)	5	6	4	1	16	N/M	N/M
Efficiency Ratios²								
Cost/income ratio	106.3 %	69.4 %	64.7 %	68.6 %	81.7 %	71.0 %	13.2 ppt	(35.3)ppt
Post-tax return on average shareholders' equity ^{2,20}	(2.5) %	10.4 %	13.6 %	11.4 %	6.5 %	10.4 %	(4.9)ppt	13.0 ppt
Post-tax return on average tangible shareholders' equity ^{2,6,20}	N/M	74.3 %	68.5 %	54.0 %	30.1 %	55.4 %	(23.9)ppt	N/M

Non-Core Operations Unit



(In € m., unless stated otherwise)	FY 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	FY 2017	Q4 2017 vs. Q3 2017	FY 2017 vs. FY 2016
Total net revenues	(382)	-	-	-	-	-	N/M	N/M
Provision for credit losses	128	-	-	-	-	-	N/M	N/M
Compensation and benefits	68	-	-	-	-	-	N/M	N/M
General and administrative expenses	2,659	-	-	-	-	-	N/M	N/M
Policyholder benefits and claims	0	-	-	-	-	-	N/M	N/M
Impairment of goodwill and other intangible assets	(49)	-	-	-	-	-	N/M	N/M
Restructuring activities	4	-	-	-	-	-	N/M	N/M
Total noninterest expenses	2,682	-	-	-	-	-	N/M	N/M
Noncontrolling interests	(4)	-	-	-	-	-	N/M	N/M
Income (loss) before income taxes	(3,187)	-	-	-	-	-	N/M	N/M
Resources								
Employees (front office full-time equivalent, at period end)	116	-	-	-	-	-	N/M	N/M
Total employees (full-time equivalent, at period end) ¹¹	1,167	-	-	-	-	-	N/M	N/M
Assets (at period end) ¹²	5,523	-	-	-	-	-	N/M	N/M
Risk-weighted assets (at period end) ⁴	9,174	-	-	-	-	-	N/M	N/M
CRR/CRD 4 leverage exposure (at period end) ^{1,13}	7,882	-	-	-	-	-	N/M	N/M
Average allocated shareholders' equity	685	-	-	-	-	-	N/M	N/M

The Non-Core Operations Unit (NCOU) has ceased to exist as a separate corporate division of the Group from 2017 onwards.

The remaining legacy assets are now managed by the corresponding operating segments, predominately CIB and PCB. As historical data has not been restated, the 2015 and 2016 results are still shown separately on this page.

Corporate & Other



(In € m., unless stated otherwise)	FY 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	FY 2017	Q4 2017 vs. Q3 2017	FY 2017 vs. FY 2016
Total net revenues	(471)	(373)	(237)	79	44	(488)	(44)%	3 %
Provision for credit losses	(0)	(1)	1	0	0	(0)	180 %	(18)%
Compensation and benefits	3,015	824	772	701	833	3,131	19 %	4 %
General and administrative expenses	(2,482)	(678)	(627)	(600)	(630)	(2,536)	5 %	2 %
Policyholder benefits and claims	0	0	0	0	0	0	N/M	N/M
Impairment of goodwill and other intangible assets	(0)	0	0	0	0	0	N/M	N/M
Restructuring activities	(7)	0	(0)	(0)	(0)	(1)	49 %	(92)%
Total noninterest expenses	527	146	145	101	203	594	101 %	13 %
Noncontrolling interests	(46)	(4)	(19)	(3)	10	(16)	N/M	(65)%
Income (loss) before income taxes	(952)	(514)	(364)	(19)	(168)	(1,066)	N/M	12 %
Resources								
Employees (full-time equivalent, at period end)	32,662	32,130	31,634	31,743	32,249	32,249	2 %	(1)%
Assets (at period end) ¹²	40,959	44,227	14,473	17,037	6,586	6,586	(61)%	(84)%
Risk-weighted assets (at period end) ⁴	15,706	16,237	15,221	15,108	16,734	16,734	11 %	7 %
CRR/CRD 4 leverage exposure (at period end) ^{1,13}	40,018	44,086	14,610	25,236	17,983	17,983	(29)%	(55)%
Average allocated shareholders' equity	2,249	321	0	0	(0)	99	N/M	(96)%

Historical financial information restated to reflect the alignment of certain parts of our technology and other overhead functions to its business divisions.

For purposes of the 2017 average shareholders' equity allocation the Non-Core Operations Unit (NCOU) balances from year-end 2016 have been allocated to Corporate & Other (C&O) as Non-Core Operations Unit (NCOU) has ceased to exist as a separate corporate division from 2017 onwards.

Credit risk



(In € m., unless stated otherwise)	FY 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	FY 2017	Q4 2017 vs. Q3 2017	FY 2017 vs. FY 2016
Allowance for loan losses								
Balance, beginning of period	5,028	4,546	4,275	3,953	4,039	4,546	2 %	(10)%
Provision for loan losses	1,347	130	81	214	128	552	(40)%	(59)%
Net charge-offs	(1,764)	(382)	(312)	(77)	(248)	(1,019)	N/M	(42)%
Charge-offs	(1,951)	(403)	(345)	(108)	(290)	(1,146)	169 %	(41)%
Recoveries	(187)	(22)	(32)	(31)	(41)	(127)	34 %	(32)%
Other	(65)	(19)	(90)	(51)	3	(158)	N/M	143 %
Balance, end of period	4,546	4,275	3,953	4,039	3,921	3,921	(3)%	(14)%
Allowance for off-balance sheet positions								
Balance, beginning of period	312	346	348	335	300	346	(10)%	11 %
Provision for off-balance sheet positions	36	3	(2)	(30)	2	(27)	N/M	N/M
Other	(2)	(1)	(11)	(5)	(17)	(34)	N/M	N/M
Balance, end of period	346	348	335	300	285	285	(5)%	(17)%
Provision for credit losses¹⁶	1,383	133	79	184	129	525	(30)%	(62)%
Impaired loans (at period end)								
Total impaired loans (at period end)	7,448	6,930	6,683	6,680	6,234	6,234	(7)%	(16)%
Impaired loan coverage ratio ¹⁷	61 %	62 %	59 %	60 %	63 %	63 %	2 ppt	2 ppt
Loans								
Total loans	413,455	413,627	402,651	400,276	405,621	405,621	1 %	(2)%
Deduct								
Allowance for loan losses	4,546	4,275	3,953	4,039	3,921	3,921	(3)%	(14)%
Total loans net	408,909	409,352	398,698	396,237	401,699	401,699	1 %	(2)%
Memo:								
Net charge-offs / Total loans	(0.4)%	(0.1)%	(0.1)%	(0.0)%	(0.1)%	(0.3)%	(0.0)ppt	0.2 ppt

For footnotes please refer to page 22.

CRR/CRD 4 Regulatory capital



(In € m., unless stated otherwise)	Dec 31, 2016	Mar 31, 2017	Pro-forma Jun 30, 2017	Jun 30, 2017	Sep 30, 2017	Dec 31, 2017	Dec 31, 2017 vs. Dec 31, 2016
Regulatory capital (fully loaded)³							
Common Equity Tier 1 capital	42,279	42,221	50,125	41,922	49,128	48,300	14 %
Tier 1 capital	46,829	46,771	54,675	46,472	53,749	52,921	13 %
Tier 2 capital	12,673	12,495	11,966	11,966	11,633	10,329	(18)%
Total capital	59,502	59,266	66,641	58,438	65,382	63,250	6 %
Risk-weighted assets and capital adequacy ratios (fully loaded)^{2,3}							
Risk-weighted assets	357,518	357,655	355,102	354,688	355,113	344,212	(4)%
Common Equity Tier 1 capital ratio	11.8 %	11.8 %	14.1 %	11.8 %	13.8 %	14.0%	2.2 ppt
Tier 1 capital ratio	13.1 %	13.1 %	15.4 %	13.1 %	15.1 %	15.4%	2.3 ppt
Total capital ratio	16.6 %	16.6 %	18.8 %	16.5 %	18.4 %	18.4%	1.7 ppt
Regulatory capital (phase-in)³							
Common Equity Tier 1 capital	47,782	44,917	52,634	44,465	51,650	50,808	6 %
Tier 1 capital	55,486	54,083	61,289	53,119	60,222	57,631	4 %
Tier 2 capital	6,672	6,725	6,231	6,231	6,008	6,384	(4)%
Total capital	62,158	60,808	67,520	59,350	66,230	64,016	3 %
Risk-weighted assets and capital adequacy ratios (phase-in)^{2,3}							
Risk-weighted assets	356,235	356,748	354,193	353,779	354,234	343,316	(4)%
Common Equity Tier 1 capital ratio	13.4 %	12.6 %	14.9 %	12.6 %	14.6 %	14.8%	1.4 ppt
Tier 1 capital ratio	15.6 %	15.2 %	17.3 %	15.0 %	17.0 %	16.8%	1.2 ppt
Total capital ratio	17.4 %	17.0 %	19.1 %	16.8 %	18.7 %	18.6%	1.2 ppt

For footnotes please refer to page 22.

Consolidated Balance Sheet - Assets



(In € m., unless stated otherwise)	Dec 31, 2016	Mar 31, 2017	Jun 30, 2017	Sep 30, 2017	Dec 31, 2017	Dec 31, 2017 vs. Dec 31, 2016
Assets:						
Cash and central bank balances	181,364	179,461	227,514	204,390	225,655	24 %
Interbank balances without central banks	11,606	10,467	9,109	10,727	9,265	(20)%
Central bank funds sold and securities purchased under resale agreements	16,287	14,058	11,025	10,580	9,971	(39)%
Securities borrowed	20,081	24,907	23,376	23,979	16,732	(17)%
Trading assets	171,044	189,926	188,192	186,716	184,661	8 %
Positive market values from derivative financial instruments	485,150	421,218	396,340	372,019	361,032	(26)%
Non-trading financial assets mandatory at fair value through profit or loss ²¹	0	0	0	0	0	N/M
Financial assets designated at fair value through profit or loss	87,587	100,054	89,751	96,183	91,276	4 %
Total financial assets at fair value through profit or loss	743,781	711,198	674,284	654,918	636,970	(14)%
Financial assets at fair value through OCI ²¹	0	0	0	0	0	N/M
Financial assets available for sale	56,228	55,204	53,907	51,540	49,397	(12)%
Equity method investments	1,027	980	948	915	866	(16)%
Loans, net	408,909	409,352	398,698	396,237	401,699	(2)%
Securities held to maturity	3,206	3,197	3,189	3,179	3,170	(1)%
Property and equipment	2,804	2,832	2,746	2,772	2,663	(5)%
Goodwill and other intangible assets	8,982	9,039	8,834	8,773	8,839	(2)%
Other assets	126,045	134,067	145,875	144,349	101,491	(19)%
Assets for current tax	1,559	1,567	1,248	1,265	1,215	(22)%
Deferred tax assets	8,666	8,427	7,983	7,829	6,799	(22)%
Total assets	1,590,546	1,564,756	1,568,734	1,521,454	1,474,732	(7)%

Consolidated Balance Sheet - Liabilities and total equity



(In € m., unless stated otherwise)						Dec 31, 2017 vs.	
	Dec 31, 2016	Mar 31, 2017	Jun 30, 2017	Sep 30, 2017	Dec 31, 2017	Dec 31, 2016	
Liabilities and equity:							
Non-interest bearing deposits	200,122	206,772	221,860	224,230	226,339	13 %	
Demand deposits	129,654	126,774	128,946	125,596	133,280	3 %	
Time deposits	130,299	132,190	141,386	137,042	133,952	3 %	
Savings deposits	90,129	89,704	89,287	87,823	87,241	(3)%	
Interest-bearing deposits	350,082	348,669	359,618	350,460	354,473	1 %	
Deposits	550,204	555,440	581,478	574,691	580,812	6 %	
Central bank funds purchased and securities sold under repurchase agreements	25,740	18,469	21,373	16,499	18,105	(30)%	
Securities loaned	3,598	4,508	5,122	6,508	6,688	86 %	
Trading liabilities	57,029	73,300	68,392	74,201	71,462	25 %	
Negative market values from derivative financial instruments	463,858	399,062	371,682	348,346	342,726	(26)%	
Financial liabilities designated at fair value through profit or loss	60,492	65,799	64,112	49,758	63,874	6 %	
Investment contract liabilities	592	607	601	600	574	(3)%	
Financial liabilities at fair value through profit or loss	581,971	538,768	504,787	472,906	478,636	(18)%	
Other short-term borrowings	17,295	20,109	20,232	18,279	18,411	6 %	
Other liabilities	155,440	174,984	186,811	190,792	132,208	(15)%	
Provisions	10,973	6,742	5,425	5,025	5,219	(52)%	
Liabilities for current tax	1,329	1,111	1,081	1,074	1,001	(25)%	
Deferred tax liabilities	486	474	450	396	346	(29)%	
Long-term debt	172,316	172,964	165,070	159,091	159,715	(7)%	
Trust preferred securities	6,373	6,334	5,694	5,583	5,491	(14)%	
Obligation to purchase common shares	0	0	0	0	0	N/M	
Total liabilities	1,525,727	1,499,905	1,497,524	1,450,844	1,406,633	(8)%	
Common shares, no par value, nominal value of € 2.56	3,531	3,531	5,291	5,291	5,291	50 %	
Additional paid-in capital	33,765	33,838	39,828	39,715	39,918	18 %	
Retained earnings	18,987	19,491	19,383	19,787	17,454	(8)%	
Common shares in treasury, at cost	0	(84)	(33)	(18)	(9)	N/M	
Equity classified as obligation to purchase common shares	0	0	0	0	0	N/M	
Accumulated other comprehensive income (loss), net of tax ¹⁸	3,550	3,109	1,789	901	520	(85)%	
Total shareholders' equity	59,833	59,885	66,258	65,676	63,174	6 %	
Additional equity components ¹⁹	4,669	4,675	4,674	4,669	4,675	0 %	
Noncontrolling interests	316	292	278	265	250	(21)%	
Total equity	64,819	64,852	71,210	70,609	68,099	5 %	
Total liabilities and equity	1,590,546	1,564,756	1,568,734	1,521,454	1,474,732	(7)%	

For footnotes please refer to page 22.

CRR/CRD 4 Leverage ratio measures^{1, 3}



(In € bn., unless stated otherwise)	Dec 31, 2016	Mar 31, 2017	Pro-forma Jun 30, 2017	Jun 30, 2017	Sep 30, 2017	Dec 31, 2017	Dec 31, 2017 vs. Dec 31, 2016
Total assets	1,591	1,565	1,569	1,569	1,521	1,475	(7)%
Changes from IFRS to CRR/CRD 4	(243)	(196)	(126)	(126)	(101)	(80)	(67)%
Derivatives netting	(437)	(377)	(359)	(359)	(338)	(328)	(25)%
Derivatives add-on	146	147	140	140	140	142	(2)%
Written credit derivatives	17	18	18	18	20	16	(5)%
Securities Financing Transactions	20	21	28	28	30	41	101%
Off-balance sheet exposure after application of credit conversion factors	102	102	96	96	93	95	(7)%
Consolidation, regulatory and other adjustments	(92)	(107)	(48)	(49)	(46)	(46)	(50)%
CRR/CRD 4 leverage exposure measure (fully loaded)	1,348	1,369	1,443	1,442	1,420	1,395	4%
CRR/CRD 4 leverage exposure measure (phase-in)	1,350	1,370	1,444	1,443	1,421	1,396	3%
CRR/CRD 4 Tier 1 capital (fully loaded)	46.8	46.8	54.7	46.5	53.7	52.9	13%
CRR/CRD 4 Leverage Ratio (fully loaded) in %²	3.5	3.4	3.8	3.2	3.8	3.8	0.3 ppt
CRR/CRD 4 Tier 1 capital (phase-in)	55.5	54.1	61.3	53.1	60.2	57.6	4%
CRR/CRD 4 Leverage Ratio (phase-in) in %²	4.1	3.9	4.2	3.7	4.2	4.1	0.0 ppt

For footnotes please refer to page 22.

Non-GAAP financial measures (1/4)



(In € m., unless stated otherwise)	FY 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	FY 2017	Q4 2017 vs. Q3 2017	FY 2017 vs. FY 2016
Corporate & Investment Bank:								
Income (loss) before income taxes (IBIT)	1,972	777	610	406	(700)	1,094	N/M	(45)%
Net Income (loss)	1,290	521	409	272	(469)	733	N/M	(43)%
Net income (loss) attributable to noncontrolling interests	0	0	0	0	0	0	N/M	N/M
Net Income attributable to DB shareholders and additional equity components	1,290	521	409	272	(469)	733	N/M	(43)%
Average allocated shareholders' equity	40,029	40,374	44,983	45,958	45,475	44,169	(1)%	10 %
Add (deduct):								
Average allocated goodwill and other intangible assets	(2,369)	(2,894)	(3,027)	(2,989)	(2,993)	(2,965)	0 %	25 %
Average allocated tangible shareholders' equity	37,659	37,481	41,956	42,969	42,482	41,203	(1)%	9 %
Post-tax return on average shareholders' equity ^{2,20}	3.2 %	5.2 %	3.6 %	2.4 %	(4.1) %	1.7 %	(6.5)ppt	(1.6)ppt
Post-tax return on average tangible shareholders' equity ^{2,6,20}	3.4 %	5.6 %	3.9 %	2.5 %	(4.4) %	1.8 %	(6.9)ppt	(1.6)ppt
Private & Commercial Bank:								
Income (loss) before income taxes (IBIT)	1,546	430	338	348	(651)	465	N/M	(70)%
Net Income (loss)	1,011	288	227	233	(436)	311	N/M	(69)%
Net income (loss) attributable to noncontrolling interests	0	0	0	0	0	0	N/M	N/M
Net Income attributable to DB shareholders and additional equity components	1,011	288	227	233	(436)	311	N/M	(69)%
Average allocated shareholders' equity	14,256	14,326	15,323	15,155	14,936	14,934	(1)%	5 %
Add (deduct):								
Average allocated goodwill and other intangible assets	(1,713)	(1,965)	(2,129)	(2,107)	(2,149)	(2,079)	2 %	21 %
Average allocated tangible shareholders' equity	12,543	12,361	13,194	13,048	12,787	12,855	(2)%	2 %
Post-tax return on average shareholders' equity ^{2,20}	7.1 %	8.0 %	5.9 %	6.2 %	(11.7) %	2.1 %	(17.8)ppt	(5.0)ppt
Post-tax return on average tangible shareholders' equity ^{2,6,20}	8.1 %	9.3 %	6.9 %	7.2 %	(13.7) %	2.4 %	(20.8)ppt	(5.6)ppt
Asset Management:								
Income (loss) before income taxes (IBIT)	(189)	185	238	197	114	734	(42)%	N/M
Net Income (loss)	(124)	124	160	132	76	492	(42)%	N/M
Net income (loss) attributable to noncontrolling interests	0	0	0	0	0	0	N/M	N/M
Net Income attributable to DB shareholders and additional equity components	(124)	124	160	132	76	492	(42)%	N/M
Average allocated shareholders' equity	4,863	4,790	4,707	4,655	4,710	4,725	1 %	(3)%
Add (deduct):								
Average allocated goodwill and other intangible assets	(4,901)	(4,122)	(3,775)	(3,676)	(3,698)	(3,837)	1 %	(22)%
Average allocated tangible shareholders' equity	(37)	668	932	980	1,013	888	3 %	N/M
Post-tax return on average shareholders' equity ^{2,20}	(2.5) %	10.4 %	13.6 %	11.4 %	6.5 %	10.4 %	(4.9)ppt	13.0 ppt
Post-tax return on average tangible shareholders' equity ^{2,6,20}	N/M	74.3 %	68.5 %	54.0 %	30.1 %	55.4 %	(23.9)ppt	N/M

For footnotes please refer to page 22.

Non-GAAP financial measures (2/4)



(In € m., unless stated otherwise)	FY 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	FY 2017	Q4 2017 vs. Q3 2017	FY 2017 vs. FY 2016
Non-Core Operations Unit:								
Income (loss) before income taxes (IBIT)	(3,187)	-	-	-	-	-	N/M	N/M
Net Income (loss)	(2,085)	-	-	-	-	-	N/M	N/M
Net income (loss) attributable to noncontrolling interests	0	-	-	-	-	-	N/M	N/M
Net Income attributable to DB shareholders and additional equity components	(2,085)	-	-	-	-	-	N/M	N/M
Average allocated shareholders' equity	685	-	-	-	-	-	N/M	N/M
Add (deduct):								
Average allocated goodwill and other intangible assets	1	-	-	-	-	-	N/M	N/M
Average allocated tangible shareholders' equity	686	-	-	-	-	-	N/M	N/M
Post-tax return on average shareholders' equity ^{2,20}	N/M	N/M	N/M	N/M	N/M	N/M	N/M	N/M
Post-tax return on average tangible shareholders' equity ^{2,6,20}	N/M	N/M	N/M	N/M	N/M	N/M	N/M	N/M
Corporate & Other:								
Income (loss) before income taxes (IBIT)	(952)	(514)	(364)	(19)	(168)	(1,066)	N/M	12 %
Net Income (loss)	(1,449)	(358)	(329)	11	(1,596)	(2,272)	N/M	57 %
Net income (loss) attributable to noncontrolling interests	(45)	(4)	(19)	(2)	10	(15)	N/M	(66)%
Net Income attributable to DB shareholders and additional equity components	(1,495)	(362)	(348)	9	(1,586)	(2,287)	N/M	53 %
Average allocated shareholders' equity	2,249	321	0	0	(0)	99	N/M	(96)%
Add (deduct):								
Average allocated goodwill and other intangible assets	(894)	(3)	0	0	0	(1)	N/M	(100)%
Average allocated tangible shareholders' equity	1,355	318	0	0	(0)	98	N/M	(93)%
Post-tax return on average shareholders' equity ^{2,20}	N/M	N/M	N/M	N/M	N/M	N/M	N/M	N/M
Post-tax return on average tangible shareholders' equity ^{2,6,20}	N/M	N/M	N/M	N/M	N/M	N/M	N/M	N/M

For footnotes please refer to page 22.

Non-GAAP financial measures (3/4)



(In € m., unless stated otherwise)	FY 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	FY 2017	Q4 2017 vs. Q3 2017	FY 2017 vs. FY 2016
Group:								
Income (loss) before income taxes (IBIT)	(810)	878	822	933	(1,406)	1,228	N/M	N/M
Income tax expense	(546)	(303)	(357)	(284)	(1,019)	(1,963)	N/M	N/M
Net Income (loss)	(1,356)	575	466	649	(2,425)	(735)	N/M	(46)%
Net income (loss) attributable to noncontrolling interests	(45)	(4)	(19)	(2)	10	(15)	N/M	(66)%
Net Income attributable to DB shareholders and additional equity components	(1,402)	571	447	647	(2,415)	(751)	N/M	(46)%
Average shareholders' equity								
	62,082	59,812	65,013	65,769	65,121	63,926	(1)%	3 %
Add (deduct):								
Average goodwill and other intangible assets	(9,876)	(8,984)	(8,930)	(8,772)	(8,840)	(8,881)	1 %	(10)%
Average tangible shareholders' equity	52,206	50,828	56,082	56,997	56,282	55,045	(1)%	5 %
Post-tax return on average shareholders' equity ^{2,20}	(2.3) %	3.8 %	2.7 %	3.9 %	(14.8) %	(1.2) %	(18.8)ppt	1.1 ppt
Post-tax return on average tangible shareholders' equity ^{2,6,20}	(2.7) %	4.5 %	3.2 %	4.5 %	(17.2) %	(1.4) %	(21.7)ppt	1.3 ppt
Tangible Book Value:								
Total shareholders' equity (Book value)	59,833	59,885	66,258	65,676	63,174	63,174	(4)%	6 %
Goodwill and other intangible assets	8,982	9,039	8,834	8,773	8,839	8,839	1 %	(2)%
Tangible shareholders' equity (Tangible book value)	50,851	50,846	57,424	56,903	54,335	54,335	(5)%	7 %
Basic Shares Outstanding:								
Number of shares issued	1,545.5	1,545.5	2,066.8	2,066.8	2,066.8	2,066.8	0 %	34 %
Treasury shares	(0.2)	(5.2)	(1.4)	(0.6)	(0.4)	(0.4)	(37)%	63 %
Vested share awards	23.3	48.4	42.7	27.5	28.5	28.5	4 %	22 %
Basic Shares Outstanding	1,568.6	1,588.7	2,108.1	2,093.7	2,094.9	2,094.9	0 %	34 %
Book value per basic share outstanding in €								
	€ 38.14	€ 37.69	€ 31.43	€ 31.37	€ 30.16	€ 30.16	(4)%	(21)%
Tangible book value per basic share outstanding in €	€ 32.42	€ 32.00	€ 27.24	€ 27.18	€ 25.94	€ 25.94	(5)%	(20)%

For footnotes please refer to page 22.

Non-GAAP financial measures (4/4)



In € m.	FY 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	FY 2017	Q4 2017 vs. Q3 2017	FY 2017 vs. FY 2016
Corporate & Investment Bank:								
Noninterest expenses	13,925	3,570	2,933	2,966	3,423	12,892	15 %	(7)%
Impairment of Goodwill and other intangible assets	285	0	6	(0)	0	6	N/M	(98)%
Litigation incl. loan processing fees	608	(27)	(78)	93	56	44	(39)%	(93)%
Restructuring and Severance	391	62	79	10	1	152	(90)%	(61)%
Adjusted Costs:	12,641	3,536	2,926	2,863	3,366	12,690	18 %	0 %
Private & Commercial Bank:								
Noninterest expenses	9,104	2,197	2,199	2,162	2,853	9,412	32 %	3 %
Impairment of Goodwill and other intangible assets	0	0	0	(0)	12	12	N/M	N/M
Litigation incl. loan processing fees	56	(3)	48	11	(3)	53	N/M	(7)%
Restructuring and Severance	204	(37)	9	(3)	429	399	N/M	95 %
Adjusted Costs:	8,844	2,237	2,142	2,154	2,415	8,948	12 %	1 %
Asset Management:								
Noninterest expenses	3,204	421	437	430	507	1,797	18 %	(44)%
Impairment of Goodwill and other intangible assets	1,021	0	0	0	3	3	N/M	(100)%
Litigation incl. loan processing fees	(0)	(1)	0	1	4	5	195 %	N/M
Policyholder benefits and claims	374	0	(0)	0	0	0	N/M	N/M
Restructuring and Severance	69	4	4	(0)	10	18	N/M	(74)%
Adjusted Costs:	1,741	418	433	429	491	1,772	14 %	2 %
Non-Core Operations Unit:								
Noninterest expenses	2,682	-	-	-	-	-	N/M	N/M
Impairment of Goodwill and other intangible assets	(49)	-	-	-	-	-	N/M	N/M
Litigation incl. loan processing fees	1,750	-	-	-	-	-	N/M	N/M
Restructuring and Severance	23	-	-	-	-	-	N/M	N/M
Adjusted Costs:	958	-	-	-	-	-	N/M	N/M
Corporate & Other:								
Noninterest expenses	527	146	145	101	203	594	101 %	13 %
Impairment of Goodwill and other intangible assets	(0)	0	0	0	0	0	N/M	N/M
Litigation incl. loan processing fees	(18)	0	4	34	74	112	115 %	N/M
Restructuring and Severance	(6)	1	2	(1)	(0)	2	(58)%	N/M
Adjusted Costs:	551	145	140	67	129	481	93 %	(13)%
Group:								
Noninterest expenses	29,442	6,334	5,715	5,660	6,986	24,695	23 %	(16)%
Impairment of Goodwill and other intangible assets	1,256	0	6	(0)	15	21	N/M	(98)%
Litigation incl. loan processing fees	2,397	(31)	(26)	140	131	213	(7)%	(91)%
Policyholder benefits and claims	374	0	(0)	0	0	0	N/M	N/M
Restructuring and Severance	681	29	95	7	440	570	N/M	(16)%
Adjusted Costs:	24,734	6,336	5,641	5,513	6,401	23,891	16 %	(3)%

For footnotes please refer to page 22.



Non-GAAP Financial Measures

This document and other documents the Group has published or may publish contain non-GAAP financial measures. Non-GAAP financial measures are measures of the Group's historical or future performance, financial position or cash flows that contain adjustments that exclude or include amounts that are included or excluded, as the case may be, from the most directly comparable measure calculated and presented in accordance with IFRS in the Group's financial statements.

Return on Equity Ratios

The Group reports a post tax return on average shareholders' equity and a post-tax return on average tangible shareholders' equity, each of which is a non-GAAP financial measure.

The post-tax returns on average shareholders' equity and average tangible shareholders' equity are calculated as net income (loss) attributable to Deutsche Bank shareholders as a percentage of average shareholders' equity and average tangible shareholders' equity, respectively.

Net income (loss) attributable to Deutsche Bank shareholders is a non-GAAP financial measure and is defined as net income (loss) excluding post-tax income (loss) attributable to noncontrolling interests.

For the Group, it reflects the reported effective tax rate which was (72)% for the 4th quarter 2017 and 22 % for the prior year's comparative period. The tax rate was 160 % for the year ended December 31, 2017 and (67)% for the prior year's comparative period. For the segments, the applied tax rate was 33 % for all quarters in 2017 and 35 % for all reported periods in 2015 and 2016.

At the Group level, tangible shareholders' equity is shareholders' equity as reported in the Consolidated Balance Sheet excluding goodwill and other intangible assets. Tangible shareholders' equity for the segments is calculated by deducting goodwill and other intangible assets from shareholders' equity as allocated to the segments. Shareholders' equity and tangible shareholders' equity are presented on an average basis.

The Group believes that a presentation of average tangible shareholders' equity makes comparisons to its competitors easier, and refers to this measure in the return on equity ratios presented by the Group. However, average tangible shareholders' equity is not a measure provided for in IFRS, and the Group's ratios based on this measure should not be compared to other companies' ratios without considering differences in the calculations.

Allocation of Average Shareholders' Equity

Starting 2017, the Group has refined its capital allocation methodology. Shareholders' equity is now fully allocated to the Group's segments based on the regulatory capital demand of each segment and is no longer capped at the amount of shareholders' equity required to meet the externally communicated targets for the Group's Common Equity Tier 1 ratio and the Group's Leverage ratio. Regulatory capital demand reflects the combined contribution of each segment to the Groups' Common Equity Tier 1 ratio, the Groups' Leverage ratio and the Group's Capital Loss under Stress.

Contributions in each of the three dimensions are weighted to reflect their relative importance and level of constraint for the Group.

Contributions to the Common Equity Tier 1 ratio and the Leverage ratio are measured through Risk Weighted Assets (RWA) and Leverage Ratio Exposure (LRE) assuming full implementation of CRR/CRD 4 rules. The Group's Capital Loss under Stress is a measure of the Group's overall economic risk exposure under a defined stress scenario.

Goodwill and other intangibles continue to be directly attributed to the Group's segments in order to allow the determination of allocated tangible shareholders' equity and the respective returns.

Shareholders' equity and tangible shareholders' equity is allocated on a monthly basis and averaged across quarters and for the full year. All reported periods in 2015 and 2016 have been restated.

Segment average shareholders' equity in December 2015 represents the spot values for the period end. The difference between the spot values of the segments and the average Group amount is captured in C&A.



Allocation of Average Shareholders' Equity (cont'd)

For purposes of the 2017 average shareholders' equity allocation the Non-Core Operations Unit (NCOU) balances from year-end 2016 have been allocated to Corporate & Other (C&O) as Non-Core Operations Unit (NCOU) has ceased to exist as a separate corporate division from 2017 onwards.

Adjusted Costs

Adjusted costs is one of the key performance indicators outlined in our strategy. It is a non-GAAP financial measure for which the most directly comparable IFRS financial measure is noninterest expenses. Adjusted costs is calculated by deducting from noninterest expenses under IFRS (i) impairment of goodwill and other intangible assets, (ii) litigation, (iii) policyholder benefits and claims and (iv) restructuring and severances. Policyholder benefits and claims arose from the Abbey Life Assurance business which was sold in late 2016 and so will not occur in future periods. The Group believes that a presentation of noninterest expenses excluding the impact of these items provides a more meaningful depiction of the costs associated with our operating businesses.

Fully loaded CRR/CRD 4 Measures

Since January 1, 2014, our regulatory assets, exposures, risk-weighted assets, capital and ratios thereof are calculated for regulatory purposes under CRR/CRD4. CRR/CRD 4 provides for "transitional" (or "phase-in") rules, under which capital instruments that are no longer eligible under the new rules are permitted to be phased out as the new rules on regulatory adjustments are phased in, as well as regarding the risk weighting of certain categories of assets. In some cases, CRR/CRD 4 maintains transitional rules that had been adopted in earlier capital adequacy frameworks through Basel 2 or Basel 2.5. These relate e.g. to the risk weighting of certain categories of assets and include rules permitting the grandfathering of equity investments at a risk-weight of 100 %.

We also set forth in this and other documents such CRR/CRD 4 measures on a "fully loaded" basis, reflecting full application of the rules without consideration of the transitional provisions under CRR/CRD 4. With respect to risk-weighting, we assumed until third quarter 2017 in our CRR/CRD 4 "fully loaded" methodology for a limited subset of equity positions that the impact of the expiration of these transitional rules will be mitigated through sales of the underlying assets or other measures prior to the expiration of the grandfathering provisions by end of 2017.

Since the fourth quarter 2017 we have not applied this grandfathering rule anymore, but instead applied a risk weight between 190 % and 370 % determined based on Article 155 CRR under the CRR/CRD 4 fully loaded rules to all our equity positions. Consequently, in this regard, there are no transitional arrangements any longer considered in our fully loaded RWA numbers for December 31, 2017. Only for the comparative periods these transitional rules within the risk weighting were still applicable

Such fully loaded metrics are described in (i) "Management Report: Risk Report: Risk and Capital Performance: Capital and Leverage Ratio" on pages 136 to 152 of our Annual Report 2016 and "Supplementary Information: Non-GAAP Financial Measures: Fully Loaded CRR/CRD 4 Measures" on pages 471 to 472 of our Annual Report 2016 and in (ii) the subsections "Management Report: Risk Report: Risk and Capital Performance: Regulatory Capital", "Management Report: Risk Report: Leverage Ratio" and "Other Information (unaudited): Fully loaded CRR/CRD 4 Measures" of our our Q1, Q2 and Q3 Interim Reports. Such sections also provide reconciliation to the respective CRR/CRD 4 transitional or IFRS values.

As the final implementation of CRR/CRD 4 may differ from our expectations, and our competitors' assumptions and estimates regarding such implementation may vary, our fully loaded CRR/CRD 4 measures may not be comparable with similarly labeled measures used by our competitors.



Book Value and Tangible Book Value per Basic Share Outstanding

Book value per basic share outstanding and tangible book value per basic share outstanding are non-GAAP financial measures that are used and relied upon by investors and industry analysts as capital adequacy metrics. Book value per basic share outstanding represents the Bank's total shareholders' equity divided by the number of basic shares outstanding at period-end. Tangible book value represents the Bank's total shareholders' equity less goodwill and other intangible assets. Tangible book value per basic share outstanding is computed by dividing tangible book value by period-end basic shares outstanding.

Cost ratios

Cost/income ratio: Noninterest expenses as a percentage of total net revenues, which are defined as net interest income before provision for credit losses plus noninterest income.

Compensation ratio: Compensation and benefits as a percentage of total net revenues, which are defined as net interest income before provision for credit losses plus noninterest income.

Noncompensation ratio: Noncompensation noninterest expenses, which are defined as total noninterest expenses less compensation and benefits, as a percentage of total net revenues, which are defined as net interest income before provision for credit losses plus noninterest income.

Other key ratios

Diluted earnings per share: Net income (loss) attributable to Deutsche Bank shareholders, which is defined as net income (loss) excluding noncontrolling interests, divided by the weighted-average number of diluted shares outstanding. Diluted earnings per share assume the conversion into common shares of outstanding securities or other contracts to issue common stock, such as share options, convertible debt, unvested deferred share awards and forward contracts.

Other key ratios (cont'd)

Book value per basic share outstanding: Book value per basic share outstanding is defined as shareholders' equity divided by the number of basic shares outstanding (both at period end).

Tangible book value per basic share outstanding: Tangible book value per basic share outstanding is defined as shareholders' equity less goodwill and other intangible assets, divided by the number of basic shares outstanding (both at period-end).

Tier 1 capital ratio: Tier 1 capital, as a percentage of the risk-weighted assets for credit, market and operational risk.

Common Equity Tier 1 capital ratio: Common Equity Tier 1 capital, as a percentage of the risk-weighted assets for credit, market and operational risk.

Fully loaded CRR/CRD4 Leverage Ratio: Tier 1 capital (CRR/CRD4 fully loaded), as a percentage of the CRR/CRD4 leverage ratio exposure measure (fully loaded).

Phase-in CRR/CRD4 Leverage Ratio: Tier 1 capital (CRR/CRD4 phase-in), as a percentage of the phase-in CRR/CRD4 leverage ratio exposure measure (phase-in).



1. We calculate our leverage ratio exposure on a fully loaded basis in accordance with Article 429 of the CRR as per Delegated Regulation (EU) 2015/62 of October 10, 2014 published in the Official Journal of the European Union on January 17, 2015 amending Regulation (EU) No 575/2013.
2. Definitions of ratios are provided on pages 19, 20 and 21 of this document.
3. At period end.
4. Regulatory capital amounts, risk weighted assets and capital ratios are based upon CRR/CRD 4 fully-loaded.
5. The reconciliation of adjusted costs is provided on page 18 of this document.
6. The reconciliation of average tangible shareholders' equity is provided on page 15-17 of this document.
7. The number of average basic and diluted shares outstanding has been adjusted for all periods before April 2017 in order to reflect the effect of the bonus component of subscription rights issues in April 2017 in connection with the capital increase.
8. Earnings were adjusted by € 298 million, € 276 million and € 228 million net of tax for the coupons paid on Additional Tier 1 Notes in April 2017, April 2016 and April 2015, respectively. The coupons paid on Additional Tier 1 Notes are not attributable to Deutsche Bank shareholders and therefore need to be deducted in the calculation in accordance with IAS 33.
Diluted Earnings per Common Share include the numerator effect of assumed conversions. In case of a net loss potentially dilutive shares are not considered for the earnings per share calculation, because to do so would decrease the net loss per share.
9. Source for share price information: Bloomberg, based on XETRA; high and low based on intraday prices. To reflect the capital increase in 2017, the historical share prices up to and including March 20, 2017 (last trading day cum rights) have been adjusted with retroactive effect by multiplication with the correcting factor of 0.8925 (R-Factor).
10. Includes net interest income and net gains (losses) on financial assets/liabilities at fair value through profit or loss, net fee and commission income and remaining revenues.
11. Reflects front office employees and related Infrastructure employees (allocated on a pro forma basis).
12. Segment assets represent consolidated view, i.e. the amounts do not include intersegment balances (except for Central Liquidity Reserves, Shorts Coverage, Liquidity Portfolio and Repack reallocations from CIB to PCB and NCOU, regarding assets consumed by other segments but managed by CIB).
13. Contains Group-neutral reallocation of Central Liquidity Reserves to business divisions, majority re-allocated from CIB to PCB.
14. Assets under Management include assets held on behalf of customers for investment purposes and/or assets that are managed by DB. They are managed on a discretionary or advisory basis or are deposited with DB.
15. Annualized management fees divided by average Assets under Management.
16. Includes provision for loan losses and provision for off-balance sheet positions.
17. Impaired loan coverage ratio: balance of the allowance for loan losses as a percentage of impaired loans (both at period end).
18. Excluding actuarial gains (losses) related to defined benefit plans, net of tax.
19. Includes Additional Tier 1 Notes, which constitute unsecured and subordinated notes of Deutsche Bank and are classified as equity in accordance with IFRS.
20. Based on Net income (loss) attributable to Deutsche Bank shareholders (Post-tax), definitions of ratios are provided on page 19, 20 and 21 of this document.
21. New position after the application of IFRS 9.