

RatingsDirect®

Update: Deutsche Bank AG

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Ratings Score Snapshot

Global Scale Ratings

Issuer Credit Rating

A/Stable/A-1

Resolution Counterparty Rating

A+/--/A-1

Turkey National Scale

Issuer Credit Rating

trAAA/--/trA-1+

SACP: bb	ob+		Support: +2 —	-	Additional factors: 0
Anchor	bbb+		ALAC support	+2	Issuer credit rating
Business position	Adequate	0	/ La to capper	_	
Capital and earnings	Adequate	0	GRE support	0	A/Stable/A-1
Risk position	Moderate	-1			Pacalutian counterparty rating
Funding	Adequate		Group support	0	Resolution counterparty rating
Liquidity	Adequate	0			A+/A-1
CRA adjustm	ent	+1	Sovereign support	0	777.1

ALAC--Additional loss-absorbing capacity. CRA--Comparable ratings analysis. GRE--Government-related entity. ICR--Issuer credit rating. SACP--Stand-alone credit profile.

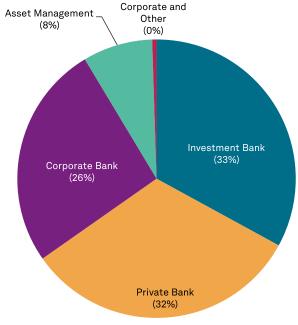
Credit Highlights

Overview	
Key strengths	Key risks
Broad business model serving retail, corporate, and institutional clients.	Although improving, earnings and efficiency metrics lag most rating peers.
Improving strategic execution and profitability, with a tailwind from higher interest rates.	Inherent complexity and cyclicality of the large investment bank division.
Solid capital, funding, and liquidity profiles.	Weak economic growth, particularly in the bank's home market.

We raised the rating in December 2023 because Deutsche Bank is strengthening its resilience and performance. The 2019-2022 transformation program established a more focused and profitable bank, and management is now focused on delivering franchise growth and operating leverage (see "Deutsche Bank Issuer Credit Ratings Raised To 'A/A-1' On Strengthening Performance And Resilience; Outlook Stable," published on Dec. 8, 2023). Like those of peers, its retail and corporate banking activities have received a cyclical boost from higher interest rates that provides greater balance

to the large investment bank division (see chart 1). We also see structural improvements including more disciplined strategic execution and a stronger focus on cost efficiency.

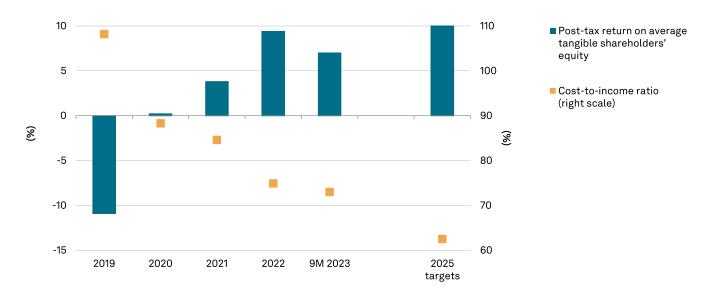
Chart 1 Reasonably diverse revenue base Divisional revenues in the first nine months of 2023



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Deutsche Bank targets further progress through 2025. It will narrow the performance gap with peers if it achieves its 2025 financial targets, which include a return on tangible equity above 10% and cost-to-income ratio below 62.5% (see chart 2). We think it will make progress toward its goals if it maintains its recent momentum and the external operating environment evolves broadly in line with our base-case expectations.

Chart 2 Strengthened performance since the start of the transformation program Trends in shareholder returns and cost efficiency

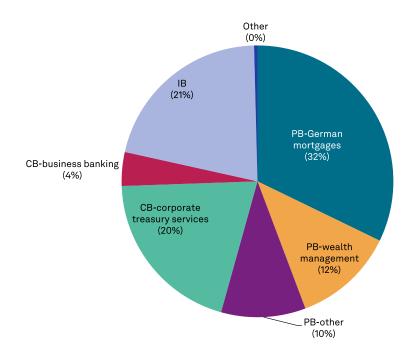


The 2025 targets are a return on tangible equity above 10% and a cost-to-income ratio below 62.5%. 9M--Nine month. Source: Deutsche Bank.

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We see pockets of risk within the generally robust loan portfolio. Deutsche Bank's lending is diversified and well-collateralized, and has performed solidly despite tepid economic growth, particularly in its home market of Germany (see chart 3). Credit loss charges were 28 basis points (bps) of average loans in the first nine months of 2023, and the bank expects the full-year figure to be at the upper end of the 25 bps-30 bps range. The portfolio includes certain exposures that we see as higher risk, notably elements of the €32 billion non-recourse commercial real estate (CRE) loan book that falls within the scope of the bank's severe stress test. Elevated refinancing risks, particularly in the U.S., mean that CRE is likely to remain a material contributor to the bank's credit loss charges in 2024. The bank's CRE stress test indicates potential losses of €900 million in a severe downturn scenario, which would be an earnings event rather than a hit to capital.

Chart 3 Diverse, well-collateralized loan portfolio Gross IFRS loans at Sep. 30, 2023



PB--Private Bank. CB--Corporate Bank. IB--Investment Bank. IFRS--International Financial Reporting Standards. Source: Deutsche Bank.

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We see operational and other nonfinancial risks as a material component of Deutsche Bank's risk profile. It appears on track in taking remedial action to strengthen its systems and controls, including its anti-financial crime framework.

We think Deutsche Bank has supportive capitalization and loss-absorbing capacity. Its regulatory metrics and guidance surprised on the upside in the third quarter of 2023. The common equity Tier 1 ratio improved to 13.9% and management indicated that it will potentially free up about €3 billion more capital than it previously planned. As a result, it looks likely to raise its €8 billion target for shareholder distributions in 2021-2025, which we reflect in our risk-adjusted capital (RAC) projection alongside other relevant factors.

The RAC ratio was 10.1% at year-end 2022, but a February 2023 change in our economic risk assessment for Germany lowered it by 21 basis points on a pro forma basis. We expect the ratio will rise to 10.0%-10.5% at year-end 2025 but our capital and earnings assessment remains adequate and a neutral rating factor. This is because the projected ratio only marginally exceeds our 10% threshold and we consider that Deutsche Bank's capital, earnings, and financial flexibility metrics are not currently supportive of a stronger outcome. Our additional loss-absorbing capacity ratio (ALAC) is set to remain comfortably above the 6.5% threshold for a two-notch ALAC rating uplift.

Deutsche Bank's funding and liquidity profiles are neutral to the rating. The 132% liquidity coverage ratio and 121% net stable funding ratio as of Sept. 30, 2023, were consistent with internal targets. We view positively that 71% of the deposit base came from the bank's home market and, excluding bank deposits, 39% of the deposit base was insured. Deutsche Bank's liquidity position was tested in March 2023 following short selling of its shares and it navigated this short-lived stress well, in our view.

We incorporate a positive comparable rating analysis (CRA) adjustment in the rating. The adjustment is informed by peer analysis and captures attributes not fully captured in our other rating factors. Specifically, we think the improvements outlined above in Deutsche Bank's business position, capital and earnings, and risk position do not warrant a higher assessment for those individual factors but cumulatively merit a stronger rating outcome.

Outlook

The stable outlook reflects our expectation that Deutsche Bank will maintain its disciplined strategic execution and strengthen its performance toward its 2025 targets. This progress would further improve the bank's resilience to unexpected stress. It also assumes that the bank's asset quality will remain robust amid slow economic growth and geopolitical upheaval, and it will maintain sound capital and liquidity ratios in line with management's guidance.

If we were to improve our capital and earnings assessment during our two-year outlook horizon, we would likely remove the positive CRA adjustment and affirm the issuer credit and issue ratings.

Downside scenario

We could lower the ratings if Deutsche Bank fails to deliver a stronger and more consistent performance, resulting in a noteworthy repositioning of its business and operating models. An escalation of economic and geopolitical risks could also pressure the ratings if it significantly weakens the bank's prospective asset quality and earnings.

Upside scenario

An upgrade is unlikely over the outlook horizon but could occur if Deutsche Bank positions its creditworthiness closer to peers with 'a-' group stand-alone credit profiles. We would look for evidence of franchise growth, stronger and more consistent performance, balanced divisional earnings contributions, and robust balance sheet metrics.

Key Metrics

Deutsche Bank AGKey ratios and fore	casts						
	Fiscal year ended Dec. 31						
(%)	2021a	2022a	2023f	2024f	2025f		
Growth in operating revenue	5.7	5.5	7.0-8.0	1.0-2.0	2.0-3.0		
Growth in customer loans	9.9	2.7	0.5-1.5	1.0-2.0	1.0-2.0		
Net interest income/average earning assets (NIM)	1.6	1.9	1.8-2.0	1.8-2.0	1.7-1.9		

Deutsche Bank AGKey ratios and fore	ecasts (c	ont.)				
	Fiscal year ended Dec. 31					
(%)	2021a	2022a	2023f	2024f	2025f	
Cost to income ratio	82.8	75.8	69-72	67-70	66-69	
Return on average common equity	4.2	9.2	7.0-8.0	7.5-8.5	8.0-9.0	
New loan loss provisions/average customer loans	0.1	0.3	0.25-0.35	0.25-0.35	0.2-0.3	
Gross nonperforming assets/customer loans	2.7	2.6	2.5-2.8	2.5-2.8	2.3-2.6	
Risk-adjusted capital ratio	9.9	10.1	10.0-10.5	10.0-10.5	10.0-10.5	

All figures are S&P Global Ratings-adjusted. a--Actual. f--Forecast. NIM--Net interest margin.

Key Statistics

Table 1

Deutsche Bank AGKey figures								
	Year-ended Dec. 31							
(Mil. €)	2023*	2022	2021	2020	2019			
Adjusted assets	1,350,939.0	1,329,696.0	1,317,169.0	1,318,534.0	1,290,645.0			
Customer loans (gross)	484,760.0	481,343.0	468,467.0	426,427.0	427,733.0			
Adjusted common equity	52,764.0	52,508.6	49,643.3	46,140.6	47,160.4			
Operating revenues	22,220.0	26,806.0	25,400.0	24,028.0	23,163.0			
Noninterest expenses	16,089.0	20,327.0	21,030.0	20,527.0	23,233.0			
Core earnings	3,596.0	5,317.0	2,975.0	1,312.0	(3,423.0)			

^{*}Data as of Sept. 30.

Table 2

Deutsche Bank AGBusiness position					
	Year-ended Dec. 31				
(%)	2023*	2022	2021	2020	2019
Total revenues from business line (currency in millions)	22,220.0	27,210.0	25,410.0	24,028.0	23,163.0
Commercial banking/total revenues from business line	26.1	23.3	20.3	21.4	22.7
Retail banking/total revenues from business line	32.3	33.6	32.4	33.8	35.6
Commercial and retail banking/total revenues from business line	58.4	56.9	52.7	55.2	58.3
Trading and sales income/total revenues from business line	33.0	36.8	37.9	38.6	30.1
Asset management/total revenues from business line	8.1	9.6	10.7	9.3	10.1
Other revenues/total revenues from business line	0.5	(3.3)	(1.2)	(3.1)	1.6
Investment banking/total revenues from business line	33.0	36.8	37.9	38.6	30.1
Return on average common equity	7.2	9.2	4.2	0.9	(9.1)

^{*}Data as of Sept. 30.

Table 3

Deutsche Bank AGCapital and earning	s				
	Year-ended Dec. 31				
(%)	2023*	2022	2021	2020	2019
Tier 1 capital ratio	16.3	15.7	15.6	15.3	15.0
S&P Global Ratings' RAC ratio before diversification	N/A	10.1	9.9	9.4	9.4
S&P Global Ratings' RAC ratio after diversification	N/A	11.7	11.5	11.1	11.1
Adjusted common equity/total adjusted capital	86.0	86.0	84.9	86.9	87.9
Net interest income/operating revenues	46.7	50.9	43.9	48.0	59.4
Fee income/operating revenues	31.6	36.7	43.0	39.2	41.1
Market-sensitive income/operating revenues	16.8	9.8	13.4	13.0	2.0
Cost to income ratio	72.4	75.8	82.8	85.4	100.3
Preprovision operating income/average assets	0.6	0.5	0.3	0.3	(0.0)
Core earnings/average managed assets	0.4	0.4	0.2	0.1	(0.3)

^{*}Data as of Sept. 30. N/A--Not applicable. RAC--Risk-adjusted capital.

Table 4

Deutsche Bank AGRisk-adju	sted capital fra	amework da	ata		
(Mil. €)	Exposure*	Basel III RWA	Average Basel III RW(%)	S&P Global Ratings' RWA	Average S&P Global Ratings' RW (%)
Credit risk					
Government and central banks	267,580	16,673	6	4,363	2
Of which regional governments and local authorities	6,642	10	0	241	4
Institutions and CCPs	60,726	8,677	14	14,314	24
Corporate	386,161	145,179	38	307,039	80
Retail	236,417	60,500	26	74,162	31
Of which mortgage	186,833	36,724	20	41,773	22
Securitization§	71,168	13,092	18	20,229	28
Other assets†	5,287	1,252	24	17,591	333
Total credit risk	1,027,339	245,372	24	437,697	43
Credit valuation adjustment					
Total credit valuation adjustment		6,184		24,819	
Market risk					
Equity in the banking book	6,208	13,021	210	32,503	524
Trading book market risk		26,132		36,508	
Total market risk		39,153		69,011	
Operational risk					
Total operational risk		58,349		70,766	
	Exposure	Basel III RWA	Average Basel II RW (%)	S&P Global Ratings' RWA	% of S&P Global Ratings' RWA
Diversification adjustments					
RWA before diversification		362,183		602,293	100

Table 4

Total diversification/ Concentration adjustments	 		(79,904)	(13)
RWA after diversification	 362,183		522,389	87
	Tier 1 capital	Tier 1 ratio (%)	Total adjusted capital	S&P Global Ratings' RAC ratio (%)
Capital ratio				
Capital ratio before adjustments	56,616	15.6	61,087	10.1
Capital ratio after adjustments‡	56.616	15.7	61.087	11.7

^{*}Exposure at default. §Securitization exposure includes the securitization tranches deducted from capital in the regulatory framework. †Exposure and S&P Global Ratings' risk-weighted assets for equity in the banking book include minority equity holdings in financial institutions. ‡Adjustments to tier 1 ratio are additional regulatory requirements (e.g. transitional floor or pillar 2 add-ons). RWA--Risk-weighted assets. RW--Risk weight. RAC--Risk-adjusted capital. Sources: Company data as of Dec. 31, 2022, S&P Global Ratings.

Table 5

Deutsche Bank AGRisk position					
	Year-ended Dec. 31				•
(%)	2023*	2022	2021	2020	2019
Growth in customer loans	0.9	2.7	9.9	(0.3)	7.5
Total diversification adjustment/S&P Global Ratings' RWA before diversification	N/A	(13.3)	(14.1)	(15.6)	(15.2)
Total managed assets/adjusted common equity (x)	25.7	25.5	26.7	28.7	27.5
New loan loss provisions/average customer loans	0.3	0.3	0.1	0.4	0.2
Net charge-offs/average customer loans	0.2	0.2	0.1	0.2	0.2
Gross nonperforming assets/customer loans + other real estate owned	2.6	2.6	2.7	2.8	2.2
Loan loss reserves/gross nonperforming assets	40.2	39.0	37.8	41.3	42.6

^{*}Data as of Sept. 30. N/A--Not applicable. RWA--Risk-weighted assets.

Table 6

Deutsche Bank AGFunding and liquidity					
	Year-ended Dec. 31				
(%)	2023*	2022	2021	2020	2019
Core deposits/funding base	70.1	61.7	59.7	60.0	61.3
Customer loans (net)/customer deposits	78.5	88.8	89.3	85.6	85.5
Long-term funding ratio	84.6	76.1	74.8	75.5	77.6
Stable funding ratio	98.3	93.2	94.2	104.1	105.3
Short-term wholesale funding/funding base	16.5	25.7	27.0	26.2	24.0
Regulatory net stable funding ratio	121.0	120.0	121.0	N/A	N/A
Broad liquid assets/short-term wholesale funding (x)	1.9	1.3	1.2	1.6	1.7
Broad liquid assets/total assets	19.9	21.2	22.0	26.6	25.7
Broad liquid assets/customer deposits	44.2	52.9	56.1	71.5	67.3
Net broad liquid assets/short-term customer deposits	21.0	11.4	11.0	28.2	28.7
Regulatory liquidity coverage ratio (LCR) (x)	132.0	142.0	133.0	N/A	N/A
Short-term wholesale funding/total wholesale funding	53.5	65.6	65.3	64.3	60.8
Narrow liquid assets/3-month wholesale funding (x)	2.1	1.4	1.5	2.3	2.0

^{*}Data as of Sept. 30. N/A--Not applicable.

Deutsche Bank AGRating component scores				
Issuer credit rating	A/Stable/A-1			
SACP	bbb+			
Anchor	bbb+			
Economic risk	3			
Industry risk	4			
Business position	Adequate			
Capital and earnings	Adequate			
Risk position	Moderate			
Funding	Adequate			
Liquidity	Adequate			
Comparable ratings analysis	+1			
Support	+2			
ALAC support	+2			
GRE support	0			
Group support	0			
Sovereign support	0			
Additional factors	0			

ALAC--Additional loss-absorbing capacity. GRE--Government-related entity. SACP--Stand-alone credit profile.

Related Criteria

- General Criteria: National And Regional Scale Credit Ratings Methodology, June 8, 2023
- General Criteria: Hybrid Capital: Methodology And Assumptions, March 2, 2022
- · Criteria | Financial Institutions | Banks: Banking Industry Country Risk Assessment Methodology And Assumptions, Dec. 9, 2021
- Criteria | Financial Institutions | General: Financial Institutions Rating Methodology, Dec. 9, 2021
- General Criteria: Environmental, Social, And Governance Principles In Credit Ratings, Oct. 10, 2021
- General Criteria: Group Rating Methodology, July 1, 2019
- · Criteria | Financial Institutions | General: Risk-Adjusted Capital Framework Methodology, July 20, 2017
- General Criteria: Methodology For Linking Long-Term And Short-Term Ratings, April 7, 2017
- General Criteria: Principles Of Credit Ratings, Feb. 16, 2011

Related Research

- Deutsche Bank Issuer Credit Ratings Raised To 'A/A-1' On Strengthening Performance And Resilience; Outlook Stable, Dec. 8, 2023
- Deutsche Bank AG, May 31, 2023

• Bulletin: Robust German Banking Industry Weathers Increased Geopolitical Economic Risk, Feb. 16, 2023

Ratings Detail (As Of December 12, 2023)*	
Deutsche Bank AG	
Issuer Credit Rating	A/Stable/A-1
Turkey National Scale	trAAA//trA-1+
Resolution Counterparty Rating	A+//A-1
Certificate Of Deposit	
Foreign Currency	A/A-1/A-1
Commercial Paper	A-1
Junior Subordinated	ВВ
Resolution Counterparty Liability	A+
Senior Subordinated	BBB
Senior Unsecured	A
Short-Term Debt	A-1
Subordinated	BBB-
Issuer Credit Ratings History	
08-Dec-2023	A/Stable/A-1
17-May-2023	A-/Positive/A-2
09-Nov-2021	A-/Stable/A-2
26-Feb-2021	BBB+/Positive/A-2
23-Apr-2020	BBB+/Negative/A-2
28-Jun-2018 Turkey National Scale	trAAA//trA-1+
08-Jul-2016	trAAA//trA-1
Sovereign Rating	
Germany	AAA/Stable/A-1+
Related Entities	
Deutsche Bank AG (Canada Branch)	
Issuer Credit Rating	A/Stable/A-1
Resolution Counterparty Rating	A+//A-1
Deutsche Bank AG (Cayman Islands Branch)	
Issuer Credit Rating	A/Stable/A-1
Resolution Counterparty Rating	A+//A-1
Deutsche Bank AG (London Branch)	
Issuer Credit Rating	A/Stable/A-1
Resolution Counterparty Rating	A+//A-1
Resolution Counterparty Liability	A+
Senior Subordinated	BBB
Senior Unsecured	A
Deutsche Bank AG (Madrid Branch)	
Issuer Credit Rating	A/Stable/A-1
Resolution Counterparty Rating	A+//A-1
Deutsche Bank AG (Milan Branch)	
Issuer Credit Rating	A/Stable/A-1

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che Bank Securities Inc.	
Credit Rating	
Currency	A/Stable/A-1
tion Counterparty Rating	
Currency	A//A-1
che Bank Trust Co. Americas	
Credit Rating	A/Stable/A-1
tion Counterparty Rating	A//A-1
che Bank Trust Co. Delaware	
Credit Rating	A/Stable/A-1
tion Counterparty Rating	A//A-1
che Bank Trust Corp.	
Credit Rating	A/Stable/A-1
Unsecured	A-1
che Securities Inc.	
Credit Rating	A/Stable/A-1
che Securities, S.A. de C.V., Casa de Bolsa	
Credit Rating	
(Mexico) National Scale	mxAA+/Stable/mxA-1+

^{*}Unless otherwise noted, all ratings in this report are global scale ratings. S&P Global Ratings' credit ratings on the global scale are comparable across countries. S&P Global Ratings' credit ratings on a national scale are relative to obligors or obligations within that specific country. Issue and debt ratings could include debt guaranteed by another entity, and rated debt that an entity guarantees.

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