## 2023 EU-wide Stress Test

| Bank Name | Deutsche Bank AG |
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| LEI Code | 7LTWFZYICNSX8D621K86 |
| Country Code | DE |

Deutsche Bank AG

| (min EUR, \%) | Actual | Baseline Scenario |  |  | Adverse Scenario |  |  |
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|  | 31/12/2022 | 31/12/2023 | 31/12/2024 | 31/12/2025 | 31/12/2023 | 31/12/2024 | 31/12/2025 |
| Net interest income | 13,480 | 17,510 | 14,122 | 14,062 | 11,935 | 11,902 | 11,880 |
| Gains or losses on financial assets and liabilities held for trading and trading financial assets and trading financial liabilities | 2,940 | 3,588 | 3,588 | 3,588 | -2,727 | 2,691 | 2,691 |
| Impairment or ( - ) reversal of impairment on financial assets not measured at fair value through profit or loss | -1,215 | -3,186 | -1,645 | -1,568 | -8,484 | -2,830 | -2,163 |
| Profit or ( - ) loss for the year | 5,424 | 5,071 | 4,051 | 3,776 | -12,327 | 763 | 1,370 |
| Coverage ratio: non-performing exposure (\%) | 27.83\% | 30.01\% | 29.35\% | 28.99\% | 33.73\% | 33.59\% | 33.62\% |
| Common Equity Tier 1 capital | 48,097 | 52,340 | 54,385 | 55,515 | 35,891 | 36,176 | 37,747 |
| Total Risk exposure amount (all transitional adjustments included) | 360,003 | 363,543 | 365,885 | 369,838 | 437,005 | 438,266 | 467,451 |
| Common Equity Tier 1 ratio, \% | 13.36\% | 14.40\% | 14.86\% | 15.01\% | 8.21\% | 8.25\% | 8.08\% |
| Fully loaded Common Equity Tier 1 ratio, \% | 13.36\% | 14.39\% | 14.86\% | 15.01\% | 8.01\% | 8.19\% | 8.08\% |
| Tier 1 capital | 56,616 | 60,859 | 62,904 | 64,034 | 44,410 | 44,694 | 46,265 |
| Total leverage ratio exposures | 1,240,483 | 1,240,483 | 1,240,483 | 1,240,483 | 1,240,483 | 1,240,483 | 1,240,483 |
| Leverage ratio, \% | 4.56\% | 4.91\% | 5.07\% | 5.16\% | 3.58\% | 3.60\% | 3.73\% |
| Fully loaded leverage ratio, \% | 4.56\% | 4.90\% | 5.07\% | 5.16\% | 3.51\% | 3.58\% | 3.73\% |
| Memorandum item related to the application of IFRS-17 for banks with insurance subsidiaries or participations: Fully loaded Common Equity Tier 1 ratio - With application of IFRS-17, \% | 13.36\% | 14.39\% | 14.86\% | 15.01\% | 8.01\% | 8.19\% | 8.08\% |









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2023 EU-wide Stress Test: Credit risk STA



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|  | mamar | \#n |  | $\pm$ |  | ma |  |  | $0=$ |  | mor | man | $=$ | $\pm 2$ | $=$ | ma | $=$ | $=$ |  |  | mas | min | $\pm$ | $\pm$ |  | ma |  |  |  |  | m |
| SIMAPORE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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## 2023 EU-wide Stress Test: Securitisations

Deutsche Bank AG

|  |  | Actual | Baseline Scenario |  |  | Adverse Scenario |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | (min EUR) | 31/12/2022 | 31/12/2023 | 31/12/2024 | 31/12/2025 | 31/12/2023 | 31/12/2024 | 31/12/2025 |
| Exposure values | SEC-IRBA | 43,316 |  |  |  |  |  |  |
|  | SEC-SA | 27,452 |  |  |  |  |  |  |
|  | SEC-ERBA | 2,299 |  |  |  |  |  |  |
|  | SEC-IAA | 73,067 |  |  |  |  |  |  |
| REA | SEC-IRBA | 7,263 | 8,873 | 9,970 | 11,152 | 10,705 | 18,075 | 29,869 |
|  | SEC-SA | 5,750 | 6,903 | 7,739 | 8,610 | 8,871 | 20,114 | 38,736 |
|  | SEC-ERBA | 2,476 | 2,509 | 2,651 | 2,786 | 2,967 | 4,131 | 5,305 |
|  | SECIIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Additional risk exposure amounts | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
|  | Total | 15,541 | 18,336 | 20,412 | 22,599 | 22,594 | 42,372 | 73,961 |
| Impairments | Total banking book others than assessed at fair value |  | 16 | 1 | 0 | 56 | 304 | 276 |

## 2023 EU-wide Stress Test: Risk exposure amounts

Deutsche Bank AG

| UR) | Actual | Baseline scenario |  |  | Adverse scenario |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 31/12/2022 | 31/12/2023 | 31/12/2024 | 31/12/2025 | 31/12/2023 | 31/12/2024 | 31/12/2025 |
| Risk exposure amount for credit risk | 271,663 | 275,204 | 277,535 | 281,498 | 337,613 | 338,467 | 368,135 |
| Risk exposure amount for securitisations and re-securitisations | 15,541 | 18,336 | 20,412 | 22,599 | 22,594 | 42,372 | 73,961 |
| Risk exposure amount other credit risk | 256,122 | 256,868 | 257,123 | 258,899 | 315,019 | 296,096 | 294,174 |
| Risk exposure amount for market risk | 29,746 | 29,746 | 29,746 | 29,746 | 40,534 | 40,681 | 39,958 |
| Risk exposure amount for operational risk | 58,349 | 58,349 | 58,360 | 58,349 | 58,614 | 58,874 | 59,114 |
| Other risk exposure amounts | 244 | 244 | 244 | 244 | 244 | 244 | 244 |
| Total risk exposure amount | 360,003 | 363,543 | 365,885 | 369,838 | 437,005 | 438,266 | 467,451 |
| Total Risk exposure amount (transitional) | 360,003 | 363,543 | 365,885 | 369,838 | 437,005 | 438,266 | 467,451 |
| Total Risk exposure amount (fully loaded) | 360,003 | 363,543 | 365,885 | 369,838 | 437,005 | 438,266 | 467,451 |

## 2023 EU-wide Stress Test: Capital

## Deutsche Bank AG

|  | A. 1 | COMMON EQUITY TIER 1 CAPITAL (net of deductions and after applying transitional adjustments) |
| :---: | :---: | :---: |
|  | A.1.1 | Capital instruments eligible as CET1 Capital (induding share premium and net own capital instruments) |
|  | A.1.1.1 | of which: CET1 instruments subscribed by Government |
|  | A.1.2 | Retained earnings |
|  | A.1.3 | Accumulated other comprehensive income |
|  | A.1.3.1 | Arising from full revaluation, cash flow hedge and liquidity reserves |
|  | A.1.3.2 | OCI Impact of defined beneitit pension plans [gain or ( () loss] |
|  | A.1.3.3 | Other OCI contributions |
|  | A.1.4 | Other Reserves |
|  | A.1.5 | Funds for general banking risk |
|  | A.1.6 | Minority interest given recognition in CET1 capital |
|  | A.1.7 | Adjustments to CET1 due to prudential filters |
|  | A.1.7.1 | (-) Value adjustments due to the requirements for prudent valuation (AVA) |
|  | A.1.7.2 | Cash flow hedge reserve |
|  | A.1.7.3 | Other adjustments |
|  | A.1.8 | (-) Intangible assets (incuding Goodwill) |
|  | A.1.8.1 | of which: Goodwill (-) |
|  | A.1.8.2 | of which: Sofware assets ( - ) |
|  | A.1.8.3 | of which: Other intangible assetts (-) |
|  | A.1.9 | (-) DTAS that rely on future profitability and do not arise from temporary dififerences net of associated DTLs |
|  | A.1.10 | (-) IRB shortiall of credit risk adjustments to expected losses |
|  | A.1.11 | $(-)$ Defined benefit pension fund assets |
|  | A.1.12 | (-) Reciprocal cross holdings in CET1 Capital |
|  | A.1.13 | (-) Excess deduction from AT1 items over AT1 Capital |


| IFRS 9 first implementation | Actual | Baseline Scenario |  |  | Adverse Scenario |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 01/01/2018 | 31/12/2022 | 2023 | 2024 | 2025 | 2023 | 2024 | 2025 |
|  | 66,146 | 71,808 | 73,851 | 74,988 | 55,704 | 55,871 | 57,427 |
|  | 48,097 | 52,340 | 54,385 | 55,515 | 35,891 | 36,176 | 37,747 |
|  | 45,458 | 45,458 | 45,45 | 45,458 | 45,458 | 45,45 | 45,458 |
|  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | 16,488 | 19,995 | 22,016 | 23,579 | 4,160 | 4,771 | 6,141 |
|  | $-1,314$ | $-1,314$ | -1,314 | -1,314 | $-1,803$ | $-1,803$ | $-1,803$ |
|  | $-1,549$ | -1,549 | $-1,549$ | -1,549 | -2,377 | $-2,377$ | -2,377 |
|  | 0 | 0 | 0 | 0 | 339 | 339 | 339 |
|  | 235 | 235 | 235 | 235 | 235 | 235 | 235 |
|  | ${ }^{\circ}$ | 0 | 0 | 0 | ${ }^{\circ}$ | ${ }^{\circ}$ | 0 |
|  | ${ }^{\circ}$ | 0 | 0 | 0 | 0 | 0 | 0 |
|  | 1,002 | 1,002 | 1,002 | 1,002 | 1,002 | 1,002 | 1,002 |
|  | $-1,427$ | -1,213 | $-1,213$ | $-1,213$ | -2,324 | -2,324 | $-2,324$ |
|  | -2,026 | -2,026 | -2,026 | -2,026 | -4,266 | -4,266 | -4,266 |
|  | 790 | 790 | 790 | 790 | 790 | 790 | 790 |
|  | -190 | 23 | 23 | 23 | 1,152 | 1,152 | 1,152 |
|  | $-5,024$ | -5,108 | -5,172 | -5,266 | -5,108 | -5,172 | -5,266 |
|  | -2,997 | -2,997 | -2,997 | -2,997 | -2,997 | -2,997 | -2,997 |
|  | -2,027 | -2,111 | -2,175 | -2,269 | -2,111 | -2,175 | -2,269 |
|  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | -3,244 | -3,027 | $-2,853$ | -2,692 | -3,244 | -3,042 | $-2,679$ |
|  | -466 | 0 | 0 | 0 | 0 | ${ }^{\circ}$ | 0 |
|  | $-1,149$ | -1,149 | $-1,149$ | -1,149 | -827 | -827 | -827 |
|  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | 0 | 0 | ${ }^{0}$ | 0 | ${ }^{\circ}$ | 0 | 0 |


| (min EUR, \%) |  |  | IFRS 9 first implementation | Actual | Baseline Scenario |  |  | Adverse Scenario |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 01/01/2018 | 31/12/2022 | 2023 | 2024 | 2025 | 2023 | 2024 | 2025 |
| own funds | A.1.14 | (-) Deductions related to assets which can altematively be subject to a $1250 \%$ risk weight |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | A.1.14.1 | of which: from securitisation positions ( - ) |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | A.1.15 | (-) Holdings of CET1 capital instruments of financial sector entities where the institution does not have a significant investment |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | A.1.16 | (-) Deductible DTAs that rely on future profitability and arise from temporary difierences |  | 0 | 0 | 0 | 0 | -755 | -678 | -513 |
|  | A.1.17 | (-) CET1 instruments of financial sector entities where the institution has a significant investment |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | A.1.18 | $(-)$ Amount exceeding the 17.65\% threshold |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | A.1.18A | (-) Insufficient coverage for non-performing exposures |  | -222 | -176 | -186 | -622 | -31 | -8 | -2 |
|  | A.1.18B | (-) Minimum value commitment shortfalls |  | -7 | -7 | -7 | -7 | -7 | -7 | -7 |
|  | A.1.18C | (-) Other foreseeable tax charges |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | A.1.19 | (-) Additional deductions of CET1 Capital due to Artide 3 of Regulation (EU) No 575/2013 |  | -828 | -828 | -828 | -828 | -207 | -103 | 0 |
|  | A.1.20 | CET1 capita elements or deductions - other |  | -1,183 | $-1,317$ | $-1,374$ | $-1,432$ | $-1,317$ | -1,374 | -1,432 |
|  | A.1.21 | Amount subject to IFRS 9 transitional arrangements |  | -58 | -97 | -78 | -217 | $-1,847$ | -1,192 | -1,130 |
|  | A.1.21.1 | Increase in IFRS 9 ECL provisions net of EL as of 01/01/2018 compared to related IAS 39 figures as at 31/12/17 ("static part") | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 |
|  | A.1.21.2 | Increase in non-credit-impaired IFRS 9 ECL provisions net of EL compared to related IFRS 9 figures as at between 01/01/2018 and 31/12/2019 ("old dynamic part") |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | A.1.21.3 | Increase of CET1 capital due to the tax deductibility of the amounts above ("static part + old dynamic part") |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | A.1.21.4 | Increase in non-credit-impaired IFRS 9 ECL provisions net of EL compared to related IFRS 9 figures as at 01/01/2020 ("new dynamic part") |  | 0 | 56 | 29 | 227 | 1,789 | 1,134 | 1,072 |
|  | A.1.21.4.1 | Increase of CEF1 capital due to the tax deductibility of the amounts above ("new dymamic part") |  | 0 | 17 | 9 | 68 | 0 | 0 | 0 |
|  | A.1.22 | Transitional adjustments |  | 15 | 25 | 7 | 0 | 894 | 284 | 0 |
|  | A.1.22.1 | Adjustments due to IFRS 9 transtional arrangements |  | 15 | 25 | 7 | 0 | 894 | 284 | 0 |
|  | A.1.22.1.1 | From the increased IFRS 9 ECL provisions net of EL |  | 15 | 20 | 5 | 0 | 894 | 284 | 0 |
|  | A.1.22.1.2 | From the amount of DTAS that is deducted from CET1 capital |  | 0 | 6 | 2 | 0 | 0 | 0 | 0 |
|  | A.1.22.2 | Other transtional adjustments to CET1 Capital |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | A.1.22.2.1 | of which: due to DTAA that rely on future profitability and do not arise from temporary dififerences |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | A.1.22.2.2 | of which: due to DTAs that rely on future profitability and arise from temporary differences and CET1 instruments of financial sector entities where the institution has a significant investment |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



|  |  | (min EUR, \%) |
| :---: | :---: | :---: |
| CAPITAL RATTOS (\%) Fully loaded | E. 1 | Common Equity Tier 1 Capital ratio |
|  | E. 2 | Tier 1 Capital ratio |
|  | E. 3 | Total Capital ratio |
| Leverage ratios (\%) | H. 1 | Total leverage ratio exposures (transitional) |
|  | H. 2 | Total leverage ratio exposures (fully loaded) |
|  | H. 3 | Leverage ratio (transitional) |
|  | H. 4 | Leverage ratio (fully loaded) |
| Transitional combined buffer requirements (\%) | P. 1 | Capital conservation buffer |
|  | P. 2 | Countercyclical capital buffer |
|  | P. 3 | O-SII buffer |
|  | P. 4 | G-SII buffer |
|  | P. 5 | Systemic risk buffer applied to exposures according to article 133 of CRD |
|  | P. 6 | Combined buffer |
| Pillar 2 (\%) | R. 1 | Pillar 2 capital requirement |
|  | R.1.1 | of which: CET1 |
|  | R.1.2 | of which: AT1 |
|  | R. 2 | Total SREP capital requirement <br> (applicable requirement to be met at all times - including adverse scenario - according to EBA/GL/2018/03) |
|  | R.2.1 | of which: CET1 |
|  | R. 3 | Overall capital requirement <br> (applicable requirement under the baseline scenario according to EBA/GL/2018/03) |
|  | R.3. 1 | of which: CET1 <br> (relevant input for maximum distributable amount calculation according to Art 141 CRD) |
|  | R. 4 | Leverage Ratio pillar 2 requirement |
| Memorandum items related to the application of IFRS-17 for banks with insurance subsidiaries or participations | S. 1 | COMMON EQUITY TIER 1 CAPITAL (fully loaded) - Restated as of 1st January 2023 after first application of IFRS-17 |
|  | s. 2 | COMMON EQUITY TIER 1 CAPITAL (fully loaded) - with application of IFRS-17 |
|  | s. 3 | TOTAL RISK EXPOSURE AMOUNT - Restated as of 1st January 2023 after first application of IFRS17 |
|  | s. 4 | TOTAL RISK EXPOSURE AMOUNT - with application of IFRS-17 |
|  | s. 5 | Common Equity Tier 1 Capital ratio (fully loaded) - With application of IFRS-17 |


| IFRS 9 first implementation | Actual | Baseline Scenario |  |  | Adverse Scenario |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 01/01/2018 | 31/12/2022 | 2023 | 2024 | 2025 | 2023 | 2024 | 2025 |
|  | 13.36\% | 14.39\% | 14.86\% | 15.01\% | 8.01\% | 8.19\% | 8.08\% |
|  | 15.72\% | 16.73\% | 17.19\% | 17.31\% | 9.96\% | 10.13\% | 9.90\% |
|  | 18.36\% | 19.74\% | 20.17\% | 20.27\% | 12.54\% | 12.68\% | 12.28\% |
|  | 1,240,483 | 1,240,483 | 1240483 | 1240483 | 1240483 | 1240483 | 1240483 |
|  | 1,240,468 | 1,240,468 | 1240468 | 1240468 | 1240468 | 1240468 | 1240468 |
|  | 4.56\% | 4.91\% | 5.07\% | 5.16\% | 3.58\% | 3.60\% | 3.73\% |
|  | 4.56\% | 4.90\% | 5.07\% | 5.16\% | 3.51\% | 3.58\% | 3.73\% |
|  | 2.50\% | 2.50\% | 2.50\% | 2.50\% | 2.50\% | 2.50\% | 2.50\% |
|  | 0.07\% | 0.42\% | 0.42\% | 0.42\% | 0.42\% | 0.42\% | 0.42\% |
|  | 2.00\% | 2.00\% | 2.00\% | 2.00\% | 2.00\% | 2.00\% | 2.00\% |
|  | 1.50\% | 1.50\% | 1.50\% | 1.50\% | 1.50\% | 1.50\% | 1.50\% |
|  | 0.00\% | 0.19\% | 0.19\% | 0.19\% | 0.19\% | 0.19\% | 0.19\% |
|  | 4.57\% | 5.11\% | 5.11\% | 5.11\% | 5.11\% | 5.11\% | 5.11\% |
|  | 2.50\% | 2.70\% | 2.70\% | 2.70\% | 2.70\% | 2.70\% | 2.70\% |
|  | 1.41\% | 1.52\% | 1.52\% | 1.52\% | 1.52\% | 1.52\% | 1.52\% |
|  | 0.47\% | 0.51\% | 0.51\% | 0.51\% | 0.51\% | 0.51\% | 0.51\% |
|  | 10.50\% | 10.70\% | 10.70\% | 10.70\% | 10.70\% | 10.70\% | 10.70\% |
|  | 5.91\% | 6.02\% | 6.02\% | 6.02\% | 6.02\% | 6.02\% | 6.02\% |
|  | 15.07\% | 15.81\% | 15.81\% | 15.81\% | 15.81\% | 15.81\% | 15.81\% |
|  | 10.48\% | 11.13\% | 11.13\% | 11.13\% | 11.13\% | 11.13\% | 11.13\% |
|  | 0.00\% | 0.00\% | 0.00\% | 0.00\% | 0.00\% | 0.00\% | 0.00\% |
|  | 48,082 |  |  |  |  |  |  |
|  |  | 52,315 | 54,379 | 55,515 | 34,997 | 35,892 | 37,747 |
|  | 360,003 |  |  |  |  |  |  |
|  |  | 363,543 | 365,885 | 369,838 | 437,005 | 438,266 | 467,451 |
|  | 13.36\% | 14.39\% | 14.86\% | 15.01\% | 8.01\% | 8.19\% | 8.08\% |



## 2023 EU-wide Stress Test: Major capital measures and realised losses

Deutsche Bank AG

| (min EUR) |  |
| :---: | :---: |
| Issuance of CET 1 Instruments 01 January to 31 March 2023 | Impact on Common Equity |
| Raising of capital instruments eligible as CET1 Capital ( + ) | 0 |
| Repayment of CEFI capita, buybacks ( - ) | 0 |
| Conversion to CET1 of hybrid instruments ( + ) | 0 |


| Net issuance of Addifional Tier 1 and Tier 2 Instruments 01 January to 31 March 2023 | Impact on Additional Tier 1 and Tier 2 |
| :---: | :---: |
| Net issuance of Additional Tier 1 and T2 Instruments with a trigger at or above bank's post stress test CET1 ratio in the adverse scenario during the stress test horizon ( $+/$-) | $\bigcirc$ |
| Net issuance of Additional Tier 1 and T2 Instrument with a trigger below bank's post stress test CET1 ratio in the adverse scenario during the stress test horizon (+/-) | 0 |


| Realised losses 01 January to 31 March 2023 |  |
| :--- | ---: |
| Reailised fineslitigation costs (net of provisions) $(-)$ | 0 |
| Other material losses and provisions $(-)$ | -185 |

