The cross-risk reverse stress test leverages the GWST framework and is typically performed annually in order to challenge Deutsche Bank's business model by determining scenarios which would cause the bank to become unviable. Such a reverse stress test is based on a hypothetical macroeconomic scenario enriched by idiosyncratic events based on the top risks monitored by each risk type. Comparing the non-viability scenario to the current economic environment, the probability of occurrence of such a hypothetical stress scenario is considered to be extremely low. Given this, it is the bank's view that its business continuity is not at risk.

As required by ECB, the bank has performed multi-year stress tests as part of the annual strategic planning process for 2023 using two adverse heatmap scenarios, namely a "EU led hard landing scenario" and a "Higher for longer interest rates" scenario.

In addition to the GWST that includes all material risk types and major revenue streams, Deutsche Bank has individual stress test programs in place for all relevant risk metrics in line with regulatory requirements. The relevant stress test programs are described in the sections about the individual risk management methods.

Deutsche Bank also took part in two major regulatory stress tests performed in 2023 i.e. the bi-annual European EBA stress test as well as the US-based CCAR stress test, as implemented pursuant to the U.S. Dodd-Frank Act. The outcome of the EBA stress test is feeding into the SREP process for Deutsche Bank. In the CCAR context, the Federal Reserve (FRB) disclosed the stress capital depletion for DB USA Corporation and DWS USA Corporation; this showed that each entity remains very well-capitalized even after withstanding a hypothetical severe stress environment.

Also in 2023, the bank ran an internal climate transition risk stress test across its global portfolios focusing on a near-term time horizon (three years) under severe assumption of a front-loaded disorderly transition. The results of the stress test are integrated into relevant processes, including risk appetite, business planning and ICAAP.

Risk measurement and reporting systems

Overview

Deutsche Bank's risk measurement systems support regulatory reporting and external disclosures, as well as internal management reporting across all risk types. The risk infrastructure incorporates the relevant legal entities and business divisions and provides the basis for reporting on risk positions, capital adequacy and limit, threshold, or target utilization to the relevant functions on a regular and ad-hoc basis. Established units within the CFO and CRO function assume responsibility for measurement, analysis and reporting of risk while promoting sufficient quality and integrity of risk-related data and consider, where relevant, the principles for effective risk data aggregation and risk reporting as per the Basel Committee on Banking Supervision's regulation number 239 ("BCBS 239"). The Group's risk management systems are reviewed by Group Audit following a risk-based audit approach.

Deutsche Bank's reporting is an integral part of Deutsche Bank's risk management framework and as such aligns with the organizational setup by delivering consistent information on Group level and for material legal entities as well as breakdowns by risk types, business division and material business units.

The following principles guide Deutsche Bank's "risk measurement and reporting" practices:

- Deutsche Bank monitors risks taken against risk appetite and risk-reward considerations on various levels across the Group, e.g. Group, business divisions, material business units, material legal entities, risk types, material asset classes, portfolio and counterparty levels
- Risk reporting is required to be accurate, clear, useful and complete and must convey reconciled and validated risk data to communicate information in a concise manner to ensure, across material Financial and Non-Financial Risks, the bank's risk profile is clearly understood
- Senior risk committees, such as the Enterprise Risk Committee and the Group Risk Committee, as well as the Management Board who are responsible for risk and capital management receive regular reporting (as well as ad-hoc reporting as required)
- Dedicated teams within Deutsche Bank proactively manage material Financial and Non-Financial Risks and must ensure that required management information is in place to enable proactive identification and management of risks and avoid undue concentrations within a specific Risk Type and across risks (Cross-Risk view)

In applying the previously mentioned principles, Deutsche Bank maintains a common basis for all risk reports and aims to minimize segregated reporting efforts to allow Deutsche Bank to provide consistent information, which only differs by granularity and audience focus.