COMMERZBANK

Disclosure Report as at 30 September

2023

in accordance with the Capital Requirements Regulation (CRR)

The bank at your side

Contents

Due to rounding, numbers and percentages presented throughout this report may not add up precisely to the totals provided.

Introduction

Objective of the Disclosure Report

In this report Commerzbank Aktiengesellschaft as the ultimate parent company of the regulated banking group is complying with the disclosure requirements of Articles 431 – 455 of regulation (EU) 2019/876 (CRR II) of the European parliament and of the Council of 20 May 2019 amending the Regulation (EU) No. 575/2013 (CRR I) as at 30 September 2023. The regulation is supplemented by the final draft implementing technical standards EBA EBA/ITS/2020/04 from 24 June 2020, which specify the tables integrated in the report. The names of the predefined tables are indicated by the table names provided with the prefix EU.

Scope

This Disclosure Report is based on the group of companies consolidated for regulatory purposes. The companies consolidated for regulatory purposes only include those carrying out banking and other financial business. The consolidated group consists of a domestic parent company and its affiliated companies. The aim of regulatory consolidation is to prevent multiple use of capital that in fact exists only once by subsidiary companies in the financial sector. The companies consolidated under IFRS, by contrast, comprise all the companies controlled by the ultimate parent company.

Commerzbank is a large institution in accordance with Article 4 (1) Nr 146 CRR, thus implementing the frequency requirements of Article 433a CRR.

A detailed description of Commerzbank Group is given in the Annual Report 2022.

Equity capital, capital requirements and RWA

Key metrics

In order to facilitate market participants' access to the most important equity and liquidity ratios of the institutions, Table KM1 with key metrics has been introduced in June 2021.

The table shows the information required by Articles 447(a) to (g) and 438(b) CRR. In particular, these include the available own funds, risk-weighted exposure amounts, capital ratios, combined capital buffers, leverage ratio and liquidity ratios, as well as some additional own funds requirements in order to obtain an overall overview of Commerzbank.

As of the reporting date, Common Equity Tier 1 capital amounted to €25.4bn compared to €25.1bn as at 30 June 2023. The improvement was mainly due to the group result of the third quarter of 2023 (taking into account the accruals for dividend and AT 1 interest rates) and an increase in the other comprehensive income for the period. These positive effects were partially off-set by higher regulatory adjustments.

The Common Equity Tier 1 ratio was 14.6% as of the reporting date, compared to 14.4% as at 30 June 2023. The Tier 1 ratio at the reporting date was 16.5% compared to 16.3% as at 30 June 2023. Tier 2 capital remained relatively stable at €4.8bn compared to 30 June 2023. The capital-increasing effect of a new issue was mainly reduced by maturity and amortization effects.

The total capital ratio at the reporting date was 19.2% and improved by 0.2 percentage points compared to the previous quarter of 2023. Own funds increased by €0.3bn compared to 30 June 2023 and amounted to €33.4bn as of the reporting date.

The leverage ratio shows the ratio of Tier 1 capital to leverage ratio exposure, consisting of the non risk-weighted assets plus off-balance sheet positions. The way in which exposure to derivatives, securities financing transactions and off-balance sheet positions is calculated is laid down by regulators. As a non risk-sensitive figure the leverage ratio is intended to supplement risk-based measures of capital adequacy.

The leverage ratio was stable at 4,9% as at 30 September 2023. The development is due to slightly increased leverage ratio exposure mainly offset by increased Tier 1 capital.

At 137,3% (average of the last 12 month-end values), Commerzbank was well above the minimum 100% level required for the Liquidity Coverage Ratio (LCR). Commerzbank's liquidity situation as at the end of the quarter was therefore comfortable given its conservative and forward-looking funding strategy.

The Net Stable Funding Ratio (NSFR) as at 30 September 2023 un-derlines the solid funding position of Commerzbank Group. It reflects the customer-focused business model of Commerzbank Group with a high contribution to the available stable funding (ASF) from customer deposits. The main share of the required stable funding (RSF) results from the loan business, and the main share of the ASF results from customer deposits.

NSFR increased from 125.4% to 127.0% in the third quarter of 2023 due to an increased ASF. The reason for this is the increase in retail customer deposits.

Details of the issued capital instruments of Commerzbank Group according to Article 437(b) and (c) CRR and using the EU CCA table in Annex VII of the Regulation of Implementation (EU) 2021/637 are given in Annex 6 of the disclosure report as at 31 December 2022 and on the Commerzbank website in the section debt holder information/capital instruments. Commerzbank Group is not required to disclose in accordance with Article 437a CRR (eligible liabilities).

We have received approval from the supervisor for the application of the transitional provisions to IFRS 9 in accordance with Article 473a CRR. For the Commerzbank Group, this transitional provision will not apply as at 30 September 2023.

EU KM1: Key metrics

		a	b	c	d	e
Line	**€m | %**	**30.9.2023**	**30.6.2023**	**31.3.2023**	**31.12.2022**	**30.9.2022**
Available own funds (amounts)						
1	Common Equity Tier 1 (CET1) capital	25,369	25,116	24,368	23,854	24,065
2	Tier 1 capital	28,585	28,336	27,592	27,074	27,292
3	Total capital	33,369	33,093	32,487	31,928	31,985
Risk-weighted exposure amounts						
4	Total risk-weighted exposure amount	173,626	173,977	171,528	168,731	174,464
Capital ratios (as a percentage of risk-weighted exposure amount)						
5	Common Equity Tier 1 ratio (%)	14.61	14.44	14.21	14.14	13.79
6	Tier 1 ratio (%)	16.46	16.29	16.09	16.05	15.64
7	Total capital ratio (%)	19.22	19.02	18.94	18.92	18.33
Additional own funds requirements to address risks other than the risk of excessive leverage (as a percentage of risk-weighted exposure amount)						
EU 7a	Additional own funds requirements to address risks other than the risk of excessive leverage (%)	2.00	2.00	2.00	2.00	2.00
EU 7b	of which: to be made up of CET1 capital (percentage points)	1.13	1.13	1.13	1.13	1.13
EU 7c	of which: to be made up of Tier 1 capital (percentage points)	1.50	1.50	1.50	1.50	1.50
EU 7d	Total SREP own funds requirements (%)	10.00	10.00	10.00	10.00	10.00
Combined buffer requirement (as a percentage of risk-weighted exposure amount)						
8	Capital conservation buffer (%)	2.50	2.50	2.50	2.50	2.50
EU 8a	Conservation buffer due to macro-prudential or systemic risk identified at the level of a Member State (%)	–	–	–	–	–
9	Institution specific countercyclical capital buffer (%)	0.63	0.58	0.54	0.10	0.04
EU 9a	Systemic risk buffer (%)	0.10	0.10	0.10	–	–
10	Global Systemically Important Institution buffer (%)	–	–	–	–	–
EU 10a	Other Systemically Important Institution buffer (%)	1.25	1.25	1.25	1.25	1.25
11	Combined buffer requirement (%)	4.48	4.43	4.39	3.85	3.79
EU 11a	Overall capital requirements (%)	14.48	14.43	14.39	13.85	13.79
12	CET1 available after meeting the total SREP own funds requirements (%)	8.96	8.79	8.58	8.51	8.14
Leverage ratio						
13	Total exposure measure	585,843	580,420	571,883	547,702	609,853
14	Leverage ratio (%)	4.88	4.88	4.82	4.94	4.48
Additional own funds requirements to address the risk of excessive leverage (as a percentage of total exposure measure)						
EU 14a	Additional own funds requirements to address the risk of excessive leverage (%)	–	–	–	–	–
EU 14b	of which: to be made up of CET1 capital (percentage points)	–	–	–	–	–
EU 14c	Total SREP leverage ratio requirements (%)	3.00	3.00	3.00	3.00	3.00
Leverage ratio buffer and overall leverage ratio requirement (as a percentage of total exposure measure)						
EU 14d	Leverage ratio buffer requirement (%)	–	–	–	–	–
EU 14e	Overall leverage ratio requirements (%)	3.00	3.00	3.00	3.00	3.00

		a	b	c	d	e
Line	€m | %	30.9.2023	30.6.2023	31.3.2023	31.12.2022	30.9.2022
Liquidity Coverage Ratio						
15	Total high-quality liquid assets (HQLA) (Weighted value - average)	120,163	120,430	118,336	113,227	104,144
EU 16a	Cash outflows - Total weighted value	107,932	107,052	105,924	104,222	100,203
EU 16b	Cash inflows - Total weighted value	20,330	20,305	22,198	24,089	24,985
16	Total net cash outflows (adjusted value)	87,602	86,748	83,727	80,133	75,218
17	Liquidity Coverage Ratio (%)	137.3	138.8	141.3	141.1	138.0
Net Stable Funding Ratio						
18	Total available stable funding	327,819	323,369	314,701	314,538	328,699
19	Total required stable funding	258,070	257,865	247,500	245,063	254,863
20	NSFR ratio (%)	127.0	125.4	127.2	128.3	129.0

Capital requirements and RWA

The capital requirements set out below relate to the Commerzbank Group and the figures are the same with regard to content as in the capital adequacy reports submitted to the Deutsche Bundesbank under Basel 3 Pillar 1.

Capital requirements by risk type

As required by Article 438(d) CRR, Table EU OV1 shows an overview of risk-weighted assets (RWA) and the associated capital requirements by risk type.

Of the overall capital requirement 73.5% relates to credit risk positions (excluding counterparty credit risk). Commerzbank uses the Advanced Internal Ratings Based Approach (advanced IRBA; in the following referred to as IRBA) to determine the regulatory capital required. Article 150 CRR gives the option of partial use. The Standardised Approach to Credit Risk (SACR) may be used for part of the portfolios.

Commerzbank Group and accordingly the group companies included in the disclosure are, as IRBA banks as defined in Article 147 CRR, generally obliged to value investments in accordance with the IRBA rules. The CRR allows items to be permanently exempted from the IRBA. Commerzbank applies Article 150 CRR and values all investment positions using the permanent partial use according to the SACR, provided that the individual equity position is not measured in the SACR anyway. Investments that are linked to particularly high risks as defined in Article 128 CRR, such as private equity investments or venture capital exposures, are shown in the corresponding SACR exposure class.

Of the overall capital requirement 7.8% relates to counterparty credit risk. Based on the EBA requirements, credit value adjustments (CVAs) are also assigned to this credit risk category.

Securitised positions in the banking book are also shown as a separate credit risk category subject to a capital requirement in the table EU OV1 below (2.9% of overall capital requirement).

Pursuant to Article 92(3) (b) and (c) CRR, adequate capital must be set aside for market risk positions. As at 30 September 2023, capital requirements here are 3.8% of total requirements. Commerzbank uses an internal market risk model to calculate the regulatory capital requirement. This affects both the equity price and interest rate-related risk positions in the trading book as well as the total of currency positions and commodity positions. The standardized approaches are applied for smaller units in Commerzbank Group in accordance with the partial use option.

Commerzbank uses the standard approach (SA) to calculate the capital requirements for operational risks. This risk category accounts for 12.0% of the total cap-ital requirements as at 30 September 2023.

EU OV1: Overview of risk-weighted exposure amounts

		a	b	c
		Risk-weighted exposure amounts		Total own funds requirements
	€m	30.9.2023	30.6.2023	30.9.2023
1	Credit risk (excluding CCR)	127,603	128,823	10,208
2	thereof: standard approach	32,127	32,454	2,570
3	thereof: the foundation IRB (F-IRB) approach	–	–	–
4	thereof: slotting approach	845	906	68
EU 4a	thereof: equities under the simple riskweighted approach	–	–	–
5	thereof: the advanced IRB (A-IRB) approach	94,631	95,463	7,571
6	Counterparty credit risk - CCR	13,514	13,612	1,081
7	thereof: standard approach	1,272	1,391	102
8	thereof: internal model method (IMM)	8,793	9,106	703
EU 8a	thereof: exposures to a CCP	343	313	27
EU 8b	thereof: credit valuation adjustment - CVA	2,097	2,022	168
9	thereof: other CCR	1,008	780	81
15	Settlement risk	0	1	0
16	Securitisation exposures in the non-trading book (after the cap)	5,108	4,388	409
17	thereof: SEC-IRBA	2,146	1,512	172
18	thereof SEC-ERBA (incl. IAA)	2,287	2,182	183
19	thereof: SEC-SA	675	694	54
EU 19a	thereof: 1250% / deduction (for information)	1,123	1,413	90
20	Position, foreign exchange and commodities risks (Market risk)	6,603	6,304	528
21	thereof: standard approach	828	810	66
22	thereof: IMA	5,775	5,494	462
EU 22a	Large exposures	–	–	–
23	Operational risk	20,797	20,849	1,664
EU 23a	thereof: basic indicator approach	–	–	–
EU 23b	thereof: standard approach	20,797	20,849	1,664
EU 23c	thereof: advanced measurement approach	–	–	–
24	Amounts below the thresholds for deduction (subject to 250% risk weight) (for information)	6,511	6,850	521
29	**Total**	**173,626**	**173,977**	**13,890**

Risk-weighted assets were €173.6bn as at 30 September 2023, 0.2% below the previous quarter. This decrease is mainly due to RWA from credit risks.

Detailed overviews of the development of risk-weighted assets by main drivers EU CR8: RWA flow statements of credit risk exposures under the IRB approach, EU CCR7: RWA flow statements of CCR exposures under the IMM as well as EU MR2-B: RWA flow statements of market risk exposures under the IMA are given in the chapters on the respective risk types.

Table EU CR8 below shows the changes in the RWA of credit risk exposures in the IRBA portfolio of Commerzbank Group between 30 June 2023 and 30 September 2023.

The decline in credit risk in the third quarter of 2023 is mainly due to a new mBank securitisation (reduced portfolio size), slightly reinforced by improved portfolio quality.

Table EU CR8 shows the information according to Article 438(h) CRR as at 30 September 2023:

EU CR8: RWA flow statements of credit risk exposures under the IRB approach

		a
	€m	**Risk-weighted exposure amount (RWA)**
1	**RWA as at the end of the previous reporting period**	**96,368**
2	Asset size	–485
3	Asset quality	–345
4	Model updates	0
5	Methodology and policy	0
6	Acquisitions and disposals	0
7	Foreign exchange movements	–128
8	Other	66
9	**RWA as at the end of the current reporting period**	**95,477**

The following table EU CCR7 shows the development of RWA by main driver of counterparty credit risk according to the internal model method (IMM) in the third quarter of 2023 in accordance with Article 438(h) CRR.

The decrease in RWA is mainly due to a slight reduction of the asset size.

EU CCR7: RWA flow statements of CCR exposures under the IMM

		a
	€m	**Risk-weighted assets (RWA)**
1	**RWA as at the end of the previous reporting period**	**9,106**
2	Asset size	–186
3	Credit quality of counterparties	–43
4	Model updates (IMM only)	–46
5	Methodology and policy (IMM only)	0
6	Acquisitions and disposals	0
7	Foreign exchange movements	–40
8	Other	2
9	**RWA as at the end of the current reporting period**	**8,793**

The table EU MR2-B below shows the development of RWA by main market risk drivers according to the internal model-based approach (IMA) in the third quarter of 2023 according to Article 438(h) CRR.

The increase in RWA compared to the previous quarter was primarily due to the incremental risk charge (IRC) from bond positions in the Corporate Clients segment.

EU MR2-B: RWA flow statements of market risk exposures under the IMA

		a	b	c	d	e	f	g
	€m	**VaR**	**SVaR**	**IRC**	**Comprehensive risk measure**	**Other**	**Total RWA**	**Total capital requirements**
1	**RWA as at the end of the previous reporting period**	**1,261**	**3,209**	**1,025**	**0**	**0**	**5,494**	**440**
1a	Regulatory adjustment	0	0	0	0	0	0	0
1b	RWA as at the end of the previous reporting period (end of the day)	1,261	3,209	1,025	0	0	5,494	440
2	Movement in risk levels	30	72	240	0	0	342	27
3	Model updates/changes	−32	−28	0	0	0	−61	−5
4	Methodology and policy	0	0	0	0	0	0	0
5	Acquisitions and disposals	0	0	0	0	0	0	0
6	Foreign exchange movements[1]	0	0	0	0	0	0	0
7	Other	0	0	0	0	0	0	0
8a	RWA at the end of the reporting period (end of the day)	1,258	3,252	1,265	0	0	5,775	462
8b	Regulatory adjustment	0	0	0	0	0	0	0
8	**RWA as at the end of the current reporting period**	**1,258**	**3,252**	**1,265**	**0**	**0**	**5,775**	**462**

[1] Changes of RWA which are due to foreign exchange movements are reported under „Movement in risk levels“.

Liquidity risk

The liquidity coverage ratio (LCR) is the regulatory minimum liquidity ratio. It is a measure of the near-term solvency of the Bank under a predetermined stress scenario. Based on the requirements of the Basel Committee, the EU Commission set out the legal foundation for the LCR in the Capital Requirements Regulation (CRR), Regulation (EU) No. 575/2013, in conjunction with Delegated Regulation EU/2015/61 (D-REG).

The ratio itself is defined as the relationship between high quality liquid assets (HQLA) and net liquidity outflows (NLOs) within a 30-day period. Commerzbank monitors the LCR as part of its daily liquidity risk calculation.

The Bank has established internal early warning indicators for the purpose of managing liquidity risk. These ensure that appropriate steps can be taken in good time to secure long-term financial solidity. Risk concentrations can lead to increased outflows of liquidity, particularly in a stress situation. They can, for example, occur with regard to maturities, large individual creditors or currencies. By means of ongoing monitoring and reporting, emerging risk concentrations in funding can be recognised in a timely manner and mitigated through suitable measures. This also applies to payment obligations in foreign currencies. The Bank also mitigates concentrations through the continuous use of the broadly diversified sources of funding available to it, particularly in the form of diverse customer deposits and capital market instruments.

Commerzbank manages its global liquidity centrally using cash pooling. This approach ensures liquidity resources are used efficiently across all time zones, as Commerzbank Treasury units are located in Frankfurt, London, New York and Singapore.

Further information about the liquidity risk management and the internal models can be found in the Group Management Report of the Annual Report 2022 in the chapter “Funding and liquidity of the Commerzbank Group” from page 87 and in the "Liquidity risks" section of the risk report of the 2022 Annual Report.

The calculation of the LCR for the last reporting year is shown below. The averages of the 12 previous month-end values are calculated for each quarter. The resulting values are shown in the table below. The values are rounded to a full-million amount in euros and are presented on a consolidated basis for the Commerzbank Group.

As required by Article 451a (2) CRR, Table EU LIQ1 shows the liquid assets and their cash inflows and outflows and finally the liquidity buffer and the liquidity coverage ratio as at 30 September 2023.

EU LIQ1 Quantitative information of LCR – unweighted

		a	b	c	d
	€m | %	Total unweighted value (average)			
EU 1a	Quarter ending on	31.12.2022	31.3.2023	30.6.2023	30.9.2023
EU 1b	Number of data points used in the calculation of averages	12	12	12	12
High-quality liquid assets					
1	Total high-quality liquid assets (HQLA), after application of haircuts in line with Article 9 of regulation (EU) 2015/61				
Cash Outflows					
2	Retail deposits and deposits from small business customers, of which:	159,821	161,284	162,137	163,643
3	Stable deposits	110,456	110,362	110,553	111,705
4	Less stable deposits	41,611	42,620	42,386	41,886
5	Unsecured wholesale funding	131,996	134,255	134,917	135,531
6	Operational deposits (all counterparties) and deposits in networks of cooperative banks	42,262	41,198	39,799	38,064
7	Non-operational deposits (all counterparties)	89,258	92,670	94,805	96,930
8	Unsecured debt	476	387	313	537
9	Secured wholesale funding				
10	Additional requirements	87,060	86,848	86,013	85,324
11	Outflows related to derivative exposures and other collateral requirements	6,390	6,517	6,414	6,420
12	Outflows related to loss of funding on debt products	115	193	197	223
13	Credit and liquidity facilities	80,555	80,138	79,402	78,680
14	Other contractual funding obligations	2,776	2,822	2,764	2,493
15	Other contingent funding obligations	104,148	104,981	105,977	106,611
16	Total cash outflows				
Cash Inflows					
17	Secured lending (e.g. reverse repos)	38,702	40,852	42,025	44,255
18	Inflows from fully performing exposures	22,894	23,000	22,604	22,021
19	Other cash inflows	7,134	5,130	3,221	3,157
EU-19a	(Difference between total weighted inflows and total weighted outflows arising from transactions in third countries where there are transfer restrictions or which are denominated in non-convertible currencies)				
EU-19b	(Excess inflows from a related specialised credit institution)				
20	Total cash inflows	68,728	68,982	67,850	69,433
EU-20a	Fully exempt inflows	0	0	0	0
EU-20b	Inflows subject to 90% cap	0	0	0	0
EU-20c	Inflows subject to 75% cap	65,756	65,745	64,136	65,087
Total Adjusted Value					
EU-21	Liquidity buffer				
22	Total net cash outflows				
23	Liquidity coverage ratio (%)				

EU LIQ1 Quantitative information of LCR – weighted

		a	b	c	d
	€m | %	Total weighted value (average)			
EU 1a	Quarter ending on	31.12.2022	31.3.2023	30.6.2023	30.9.2023
EU 1b	Number of data points used in the calculation of averages	12	12	12	12
High-quality liquid assets					
1	Total high-quality liquid assets (HQLA), after application of haircuts in line with Article 9 of regulation (EU) 2015/61	113,227	118,336	120,430	120,163
Cash Outflows					
2	Retail deposits and deposits from small business customers, of which:	10,039	10,229	10,303	10,428
3	Stable deposits	5,523	5,518	5,528	5,585
4	Less stable deposits	4,516	4,711	4,775	4,843
5	Unsecured wholesale funding	66,050	67,555	67,792	67,672
6	Operational deposits (all counterparties) and deposits in networks of cooperative banks	10,541	10,276	9,927	9,494
7	Non-operational deposits (all counterparties)	55,032	56,893	57,551	57,641
8	Unsecured debt	476	387	313	537
9	Secured wholesale funding	3,782	4,057	5,508	7,031
10	Additional requirements	16,921	17,099	16,898	16,869
11	Outflows related to derivative exposures and other collateral requirements	5,812	5,900	5,795	5,842
12	Outflows related to loss of funding on debt products	115	193	197	223
13	Credit and liquidity facilities	10,994	11,005	10,905	10,803
14	Other contractual funding obligations	2,094	2,144	2,137	1,870
15	Other contingent funding obligations	5,338	4,841	4,415	4,063
16	Total cash outflows	104,222	105,924	107,052	107,932
Cash Inflows					
17	Secured lending (e.g. reverse repos)	1,009	1,081	1,319	1,610
18	Inflows from fully performing exposures	15,981	16,009	15,786	15,589
19	Other cash inflows	7,098	5,108	3,200	3,130
EU-19a	(Difference between total weighted inflows and total weighted outflows arising from transactions in third countries where there are transfer restrictions or which are denominated in non-convertible currencies)	0	0	0	0
EU-19b	(Excess inflows from a related specialised credit institution)	0	0	0	0
20	Total cash inflows	24,089	22,198	20,305	20,330
EU-20a	Fully exempt inflows	0	0	0	0
EU-20b	Inflows subject to 90% cap	0	0	0	0
EU-20c	Inflows subject to 75% cap	24,089	22,198	20,305	20,330
Total Adjusted Value					
EU-21	Liquidity buffer	113,227	118,336	120,430	120,163
22	Total net cash outflows	80,133	83,727	86,748	87,602
23	Liquidity coverage ratio (%)	141.1%	141.3%	138.8%	137.3%

The average quarterly LCR values have been consistently high. As at each of the reporting dates, Commerzbank considerably surpassed the required minimum ratio of 100%.

The composition of the highly liquid assets available to cover the liquidity outflows in the reporting period is set out below:

addLIQ: Highly liquid assets in accordance with EU/2015/61

Average of the last 12 month-end values €m	31.12.2022	31.3.2023	30.6.2023	30.9.2023
Total	**113,227**	**118,336**	**120,430**	**120,163**
thereof: Level 1	107,652	112,022	114,182	113,226
thereof: Level 2A	5,266	5,985	5,911	6,571
thereof: Level 2B	309	329	336	366

Commerzbank also reports the LCR in US dollars and Polish zloty (PLN), as these are deemed to be significant foreign currencies under the CRR. In addition, the Bank ensures that foreign-exchange risk is monitored as well as limited and managed using an internal model.

When calculating the LCR, the Bank takes into account the liquidity inflows and outflows for derivatives over the next 30 days. When standardised master agreements are involved, the liquidity inflows and outflows are calculated on a net basis. Commerzbank also takes into account further items that could lead to additional outflows of liquidity. These items include variation margins for changes in the value of securities pledged as collateral and, in the event of a possible deterioration in credit rating, additional collateral furnished because of adverse market scenarios for derivatives transactions. For other contingent liabilities, since June 2019 Commerzbank has used additional outflows in accordance with Article 23 of Commission Delegated Regulation (EU) 2015/61.

In addition, there are no other items in the LCR calculation in Commerzbank that are not included in the LCR disclosure template but are considered relevant to the liquidity profile.

Appendix

List of abbreviations

A-IRB	Advanced Internal Ratings Based Approach
ASF	Available Stable Funding
AT1	Additional Tier 1
CCP	Central counterparty
CCR	Counterparty credit risk
CET1	Common Equity Tier 1
CRD	Capital Requirements Directive
CRR	Capital Requirements Regulation
CVA	Credit Value Adjustments
EBA	European Banking Authority
ERBA	External Ratings-Based Approach
EU	European Union
F-IRB	Foundation IRB
HQLA	High-quality liquid asset
IFRS	International Financial Reporting Standards
IMA	Internal Model Approach
IMM	Internal Model Method
IRBA	Internal Ratings Based Approach
IRC	Incremental Risk Charge
ITS	Implementing technical standards
LCR	Liquidity Coverage Ratio
NLO	Net liquidity outflows
NSFR	Net stable funding ratio
RSF	Required Stable Funding
RWA	Risk-Weighted Assets
SA	Standard Approach
SACR	Standardised Approach to Credit Risk
SREP	Supervisory Review and Evaluation Process
sVaR	stressed Value-at-Risk
VaR	Value-at-Risk

Disclaimer

Commerzbank's internal risk measurement methods and models which form the basis for the calculation of the figures shown in this report are state-of-the-art and based on banking sector practice. The risk models produce results appropriate to the management of the Bank. The measurement approaches are regularly reviewed by risk control and internal audit, external auditors and the German and European supervisory authorities. Despite being carefully developed and regularly monitored, models cannot cover all the influencing factors that have an impact in reality or illustrate their complex behaviour and interactions. These limits to risk modelling apply particularly in extreme situations. Supplementary stress tests and scenario analyses can only show examples of the risks to which a portfolio may be exposed in extreme market situations. However, stress testing all imaginable scenarios is not feasible. Stress tests cannot offer a final estimate of the maximum loss should an extreme event occur.

The interpretations with regard to CRR/CRD rules are still ongoing. Therefore, requirements for adjustment may occur due, for example, to modified interpretations in the course of the Q&A-process with EBA or due to new binding Technical Standards or guidelines. Against this background we will continue to refine our methods and models in line with the interpretation of the rules. Thus, our measures may not be comparable with previously published measures and our competitors' measures published may differ from ours.

The German version of this Disclosure Report is the authoritative version.

For ease of reading only the masculine form is used to refer to people. This always refers to people of any gender identity.

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