

# Half-Yearly Disclosure Report 2019



# **Disclosure Report of the Helaba Group in Accordance with the CRR**

**30 June 2019**



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# Preamble

## The Helaba Group

Landesbank Hessen-Thüringen Girozentrale, Frankfurt am Main and Erfurt (Helaba) is a credit institution organised under public law; its long-term strategic business model is that of a full-service bank with a regional focus, a presence in carefully selected international markets and a very close relationship with the Sparkassen-Finanzgruppe.

Helaba provides services for its customers in three different roles. As a commercial bank, it provides support for customers in Germany and abroad. As a Sparkasse central bank, it provides products and services for 40 % of all Germany's Sparkassen. In its capacity as the central development institution for Hesse, Helaba administers public-sector development programmes through Wirtschafts- und Infrastrukturbank Hessen (WIBank).

Frankfurter Sparkasse (FSP), the regional market leader in retail banking, is a wholly owned subsidiary of Helaba. In addition to FSP and WIBank, other entities that form part of the Helaba Group include 1822direkt online bank and Landesbausparkasse Hessen-Thüringen (LBS). The Bank's registered offices are situated in Frankfurt am Main and Erfurt, and it also has branches in Düsseldorf, Kassel, Paris, London, New York and Stockholm. The branches allow Helaba to strengthen its local presence close to customers and Sparkassen. In addition, Helaba's international branches open access to funding markets. The organisation also includes representative and sales offices, subsidiaries and affiliates.

### Helaba's business model



## Disclosure Report

Helaba is the superordinated institution in the Group and, as such, is responsible for meeting the disclosure requirements at Group level in accordance with Part 8 of Regulation (EU) No 575/2013 (Capital Requirements Regulation, CRR) in conjunction with European Banking Authority (EBA) guidelines EBA/GL/2016/11. This Disclosure Report satisfies these requirements for the reporting date of 30 June 2019. The supplementary provisions set out in Sections 10 and 10a of the German Banking Act (Kreditwesengesetz – KWG), Article 13 CRR, the transitional provisions set out in Part 10 CRR and the regulatory and implementing standards, EBA Guidelines, and EBA Q&As.

In January 2019, revised securitisation rules were introduced under Regulation (EU) 2017/2401, which amends the CRR. These rules change the calculation of risk-weighted assets (RWAs) for securitisation transactions that have been carried out since 1 January 2019. Subject to certain conditions, all securitisation transactions that existed prior to this date are subject to grandfathering provisions up to and including 31 December 2019 and continue to be backed by own funds in accordance with the CRR rules in force up to 31 December 2018.

Regulation (EU) 2019/876 (CRR II) introduces a large number of amendments, including various changes to the RWA framework for credit risk and to disclosure requirements. Most of these changes will come into force in June 2021. The regulation provides for transitional arrangements to be applied prior to June 2021 for some disclosure requirements. All references in the disclosure report to articles that already relate to CRR II are identified accordingly.

Kommunalfinanzierungsbank GmbH (KOFIBA), which has been part of the Helaba Group since May 2019 as a result of the acquisition of its shares (for more detailed information, see Note (2) in the Notes to the Consolidated Interim Financial Statements in the **Half-Yearly Financial Report**), will use the AIRB Approach to determine the regulatory own funds requirements for default risk until all its assets and liabilities have been fully integrated into Helaba's IT system landscape. These details have been added to the relevant sections of this report.

The frequency and scope of the Disclosure Report are based on the requirements specified in the guidelines EBA/GL/2016/11 and EBA/GL/2014/14. The information to be disclosed in this report is subject to the materiality principle as specified in Article 432 CRR in conjunction with the EBA guidelines EBA/GL/2014/14. The use of the materiality principle at Helaba is described in the table below and in the sections referenced in the table.

Helaba's approach to disclosures is regularly reviewed on the basis of a framework of requirements established by the Group to ensure that the approach is appropriate and fit for purpose; operational responsibilities are set out in detailed operating procedures.

On the basis of the EBA/GL/2016/11 guidelines, which have had to be applied at Helaba since 31 December 2017, reports will be issued quarterly from 2018. The content of this reporting, which was previously required in accordance with the CRR, has now been expanded and made more specific.

The following table sets out an overview of the quantitative requirements, the relevance for Helaba and the use of the materiality principle, together with cross-references to the relevant section or external documents. The table also lists qualitative requirements that are not included in the disclosure report but are covered in other Helaba publications.

## Overview of quantitative and qualitative requirements

	Disclosure interval		
	Quarterly	Half-yearly	Annually
<b>Preamble</b>			
Overview of quantitative and qualitative requirements	x	–	–
<b>Risk Strategy and Risk Management</b>			
Article 435 CRR – Mandates held by the members of the Board of Managing Directors (in accordance with Section 24 KWG)	–	(x)	x
Article 435 CRR – Mandates held by the members of the Supervisory Board	–	(x)	x
<b>Scope of Application</b>			
Group of consolidated companies for regulatory purposes (overview)	x	–	–
EU LI3 – Outline of the differences in the scopes of consolidation	–	–	–
EU LI1 – Differences between accounting and regulatory scopes of consolidation and the mapping of financial statement categories with regulatory risk categories	–	–	–
EU LI2 – Main sources of differences between regulatory exposure amounts and carrying amounts in financial statements	–	–	–
<b>Own Funds and Own Funds Structure</b>			
KM1 – The Helaba Group in figures	x	–	–
Article 437 CRR – Key features of the capital instruments	–	x	–
Article 437 CRR – Disclosure of own funds	–	x	–
Article 437 CRR – Reconciliation from the IFRS Consolidated Statement of Financial Position to the Consolidated Statement of Financial Position for Regulatory Purposes	–	x	–
EU OV1 – Overview of RWAs	x	–	–
Article 438 CRR – Overview of RWAs by exposure class	x	–	–
EU INS1 – Equity investments in insurance companies that are not deducted from own funds	–	x	–
EU CR10 – IRB: Equities (simple risk weight approach)	–	x	–
Capital ratios	–	x	–
<b>Countercyclical Capital Buffer</b>			
Article 440 CRR – Geographical distribution of credit risk exposures relevant to the calculation of the countercyclical capital buffer	–	–	x
Article 440 CRR – Amount of the institution-specific countercyclical capital buffer	–	–	x



<b>Depending on the disclosure interval</b>			
<b>Helaba relevance</b>	<b>Use of materiality principle</b>	<b>Reference</b>	
x	–	Preamble section, Disclosure Report subsection	
Included in disclosures as at 30.6.2019 due to changes	–	Risk Strategy and Risk Management section, Risk Management Structure/ Members of the management bodies subsections	
Included in disclosures as at 30.6.2019 due to changes	–	Risk Strategy and Risk Management section, Risk Management Structure/ Members of the management bodies subsections	
x	–	Scope of Application section	
x	–	Scope of Application section	
x	–	Scope of Application section	
x	–	Scope of Application section	
x	–	Own Funds and Own Funds Structure section, Own funds structure subsection	
x	–	Annex section	
x	–	Own Funds and Own Funds Structure section, Own funds structure subsection	
x	–	Own Funds and Own Funds Structure section, Own funds structure subsection	
x	–	Own Funds and Own Funds Structure section, Capital adequacy subsection	
x	–	Own Funds and Own Funds Structure section, Capital adequacy subsection	
Generally relevant, no qualifying items as at 30.6.2019	–	Own Funds and Own Funds Structure section, Capital adequacy subsection	
Generally relevant; no such specialised lending exposures as at 30.6.2019, only equity investments under the simple risk weight approach	Table presentation limited to equities provided no such specialised lending exposures held	Own Funds and Own Funds Structure section, Capital adequacy subsection	
Presentation not required for regulatory purposes. Ratios shown for the Group, the Bank, and the significant subsidiaries in accordance with Article 13 CRR	–	Own Funds and Own Funds Structure section, Capital adequacy subsection	
x	To keep the presentation clear and ensure only relevant information is shown, the data in the table is limited to countries that have specified a countercyclical capital buffer of greater than 0 % or whose weighted proportion of own funds requirements is 1 % or higher.	Countercyclical Capital Buffer section	
x	–	Countercyclical Capital Buffer section	

## Overview of quantitative and qualitative requirements

	Disclosure interval		
	Quarterly	Half-yearly	Annually
<b>Leverage Ratio</b>			
Article 451 CRR – LRSum: Summary reconciliation of accounting assets and leverage ratio exposures	–	x	–
Article 451 CRR – LRCom: Leverage ratio common disclosure	–	x	–
Article 451 CRR – LRSpl: Split-up of on-balance sheet exposures (excluding derivatives, SFTs and exempted exposures)	–	x	–
Article 451 CRR – LRQua: Qualitative disclosures	–	x	–
<b>Liquidity Coverage Ratio (LCR)</b>			
EU LIQ1 – LCR	(x)	–	x
<b>Credit Risk – General Disclosures</b>			
EU CRB-B – Types of credit exposure with average values based on the quarterly reporting dates	–	–	x
EU CRB-C – Geographical breakdown of exposures	–	–	x
EU CRB-D – Concentration of exposures by industry	–	–	x
EU CRB-E – Maturity of exposures (on-balance sheet exposures)	–	–	x
Article 442 CRR – Maturity of exposures (off-balance sheet exposures)	–	–	x
EU CR1-A – Credit quality of exposures by exposure class	–	x	–
EU CR1-B – Credit quality of exposures by industry	–	x	–
EU CR1-C – Credit quality of exposures by geography	–	x	–
EU CR1-D – Ageing of past-due exposures	–	x	–
EU CR1-E – Non-performing and forborne exposures	–	x	–
EU CR2-A – Changes in the stock of general and specific credit risk adjustments (on-balance sheet risk exposures)	–	x	–
Article 442 CRR – Changes in the stock of general and specific credit risk adjustments (off-balance sheet risk exposures)	–	–	x
EU CR2-B – Changes in the stock of defaulted and impaired loans and debt securities	–	x	–



## Overview of quantitative and qualitative requirements

	Disclosure interval		
	Quarterly	Half-yearly	Annually
<b>Credit Risk – General Disclosures on Credit Risk Mitigation</b>			
EU CR3 – Credit risk mitigation techniques	–	x	–
Article 453 CRR – Credit risk mitigation techniques by exposure class	–	–	x
<b>Credit Risk – Credit Risk and Credit Risk Mitigation in the Standardised Approach</b>			
EU CR4 – Standardised approach: Credit risk exposure and CRM effects by exposure class	–	x	–
EU CR5 – Standardised approach: Credit risk exposure value by exposure class and risk weight (after credit risk mitigation)	–	x	–
Article 444 CRR – Standardised approach: Credit risk exposure value by exposure class and risk weight (before credit risk mitigation)	–	–	x
<b>Credit Risk – Credit Risk and Credit Risk Mitigation in the IRB Approach</b>			
Article 452 CRR – Overview of approved IRB approach rating models in use at Helaba Bank (excluding LBS and WIBank)	–	–	x
Article 452 CRR – Overview of approved IRB approach rating models in use at FSP	–	–	x
Article 452 CRR – Overview of approved IRB approach rating models in use at LBS	–	–	x
Article 452 CRR – Overview of IRB approach rating models in use at KOFIBA	–	(x)	x
EU CR6 – IRB: Credit risk exposures by exposure class and PD range	–	x	–
Article 452 CRR – Average PD by country, FIRB	–	–	x
Article 452 CRR – Retail portfolio average PD/LGD by country, AIRB	–	–	x
EU CR7 – IRB approach – Effect on the RWAs of credit derivatives used as CRM techniques	–	x	–
EU CR8 – RWA flow statements of credit risk exposures under the IRB approach	x	–	–
RWA coverage by exposure class	–	–	x
EU CR9 – FIRB: Back-testing of PD per exposure class	–	–	x
EU CR9 – AIRB: Back-testing of PD per exposure class	–	–	x
EU CR9 – AIRB: Back-testing of LGD per exposure class	–	–	x
EU CR9 – AIRB: Back-testing of CCF per exposure class	–	–	x
Article 452 CRR – Actual losses versus expected loss in lending business	–	–	x



## Overview of quantitative and qualitative requirements

	Disclosure interval		
	Quarterly	Half-yearly	Annually
<b>Equity Investments in the Banking Book</b>			
Article 447 CRR – Type of equity investment instrument	–	–	x
<b>Counterparty Credit Risk (CCR)</b>			
EU CCR1 – Analysis of CCR exposure by approach (excluding exposures to CCPs)	–	x	–
EU CCR3 – Standardised approach: CCR exposures by regulatory portfolio and risk (after credit risk mitigation)	–	x	–
Article 444 CRR – Standardised approach: CCR exposures by regulatory portfolio risk (before credit risk mitigation)	–	–	x
EU CCR4 – FIRB approach: CCR exposures by portfolio and PD scale	–	x	–
EU CCR4 – AIRB approach: CCR exposures by portfolio and PD scale	–	x	–
EU CCR6 in conjunction with Article 439 h) CRR – Overview of credit derivatives exposures	–	x	–
EU CCR8 – Exposures to CCPs	–	x	–
EU CCR7 – RWA flow statements of CCR exposures under the IMM	x	–	–
EU CCR5-A – Impact of netting and collateral held on exposure values	–	x	–
EU CCR5-B – Composition of collateral for exposures to CCR	–	x	–
EU CCR2 – CVA capital charge	–	x	–
<b>Securitisations</b>			
Article 449 CRR – Approaches used for securitisation transactions	–	–	x
Article 449 CRR – Total volume of securitisation exposures by asset type	–	–	x
Article 449 CRR – Total volume of retained or purchased securitisation exposures by risk weight band	–	–	x
Article 449 CRR – Total volume of securitisation exposures in respect of own special purpose vehicles	–	–	x
Article 449 CRR – Requirements for originators	–	–	x
<b>Market Risk</b>			
EU MR1 – Market risk in accordance with the standardised method	–	x	–
EU MR2-A – Market risk in internal models approach	–	x	–
EU MR2-B – Market risk under the IMA	x	–	–
EU MR3 – IMA values for trading portfolios	–	x	–
EU MR4 – Clean back-testing of the internal model	–	x	–
EU MR4 – Dirty back-testing of the internal model	–	x	–

Depending on the disclosure interval		
Helaba relevance	Use of materiality principle	Reference
x	–	Equity Investments in the Banking Book section
x	–	Counterparty credit risk (CCR) section
x	–	Counterparty credit risk (CCR) section
x	–	Counterparty credit risk (CCR) section
x	–	Counterparty credit risk (CCR) section
Generally relevant, no qualifying items as at 30.6.2019	–	Counterparty credit risk (CCR) section
Generally relevant; as at 30.6.2019, there were no credit derivatives transactions in connection with intermediation activities, only for Helaba's own credit portfolio	Table presentation limited to credit derivatives transactions for Helaba's own credit portfolio, provided there were no such transactions in connection with intermediation activities	Counterparty credit risk (CCR) section
x	–	Counterparty credit risk (CCR) section
Generally relevant, no qualifying items as at 30.6.2019	–	Counterparty credit risk (CCR) section
x	–	Counterparty credit risk (CCR) section
x	–	Counterparty credit risk (CCR) section
x	–	Counterparty credit risk (CCR) section
x	–	Securitisations section
x	–	Securitisations section
x	–	Securitisations section
x	–	Securitisations section
Helaba operates as a sponsor and investor only and so the requirements for originators stipulated in Article 449 CRR do not apply.	–	--
x	–	Market Risk section, Standardised method subsection
x	–	Market Risk section, Internal model subsection
x	–	Market Risk section, Internal model subsection
x	–	Market Risk section, Internal model subsection
x	–	Market Risk section, Internal model subsection
x	–	Market Risk section, Internal model subsection

## Overview of quantitative and qualitative requirements

	Disclosure interval		
	Quarterly	Half-yearly	Annually
<b>Interest Rate Risk in the Banking Book</b>	–	–	x
<b>Operational Risk</b>	–	–	x
<b>Asset Encumbrance</b>			
Article 443 CRR – Assets	–	–	x
Article 443 CRR – Collateral received	–	–	x
Article 443 CRR – Sources of encumbrance	–	–	x
<b>Non-Performing Exposures and Forbearance</b>			
NPE 1 – Credit quality of forborne exposures	–	–	x
NPE 2 – Quality of forbearance	–	–	x
NPE 3 – Age structure of forborne exposures	–	–	x
NPE 4 – Impact of the forbearance measures granted in the past 6/12/24 months on net present value	–	–	x
NPE 5 – Credit quality of exposures by past due days	–	–	x
NPE 6 – Credit risk adjustments by FINREP counterparty sector	–	–	x
NPE 7 – Credit risk adjustments by industry	–	–	x
NPE 8 – Credit risk adjustments by country	–	–	x
NPE 9 – Impairment disclosures by FINREP counterparty sector	–	–	x
NPE 10 – Impairment disclosures by industry	–	–	x
NPE 11 – Impairment disclosures by country	–	–	x
NPE 12 – Write-offs by time since classification as NPE	–	–	x
NPE 13 – Cash collections in respect of non-performing exposures	–	–	x
NPE 14 – Cash collections in respect of non-performing exposures, by FINREP counterparty sector	–	–	x



<b>Depending on the disclosure interval</b>		
<b>Helaba relevance</b>	<b>Use of materiality principle</b>	<b>Reference</b>
x	With a view to improving clarity in the presentation of figures, the listing of individual currencies is limited to those that individually account for at least 5 % and those that are necessary to cover at least 95 % of the total foreign currency share	Interest Rate Risk in the Banking Book section
x	–	Operational Risk section
x	–	Asset Encumbrance section
x	–	Asset Encumbrance section
x	–	Asset Encumbrance section
x	Limited to countries and industries that together account for at least 95 % of the primary figures shown in the tables.	Non-Performing Exposures and Forbearance section
x	–	Non-Performing Exposures and Forbearance section
x	–	Non-Performing Exposures and Forbearance section
x	–	Non-Performing Exposures and Forbearance section
x	–	Non-Performing Exposures and Forbearance section
x	–	Non-Performing Exposures and Forbearance section
x	Limited to industries that together account for at least 95 % of the primary figures shown in the tables.	Non-Performing Exposures and Forbearance section
x	Limited to countries that together account for at least 95 % of the primary figures shown in the tables.	Non-Performing Exposures and Forbearance section
x	–	Non-Performing Exposures and Forbearance section
x	Limited to industries that together account for at least 95 % of the primary figures shown in the tables.	Non-Performing Exposures and Forbearance section
x	Limited to countries that together account for at least 95 % of the primary figures shown in the tables.	Non-Performing Exposures and Forbearance section
x	–	Non-Performing Exposures and Forbearance section
x	–	Non-Performing Exposures and Forbearance section
x	–	Non-Performing Exposures and Forbearance section

## Overview of quantitative and qualitative requirements

	Disclosure interval		
	Quarterly	Half-yearly	Annually
NPE 15 – Cash collections in respect of non-performing exposures, by industry	–	–	x
NPE 16 – Cash collections in respect of non-performing exposures, by country	–	–	x
NPE 17 – Collateral and guarantees received, by FINREP counterparty sector	–	–	x
NPE 18 – Collateral and guarantees received, by industry	–	–	x
NPE 19 – Collateral and guarantees received, by country	–	–	x
NPE 20 – Collateralised NPE portfolios	–	–	x
NPE 21 – Foreclosed assets	–	–	x
<b>Qualitative / Other Disclosure Requirements</b>			
Article 13 CRR – Disclosure by significant subsidiaries	–	–	x
Article 435 CRR – Risk strategy and risk management; Article 435 1a CRR – Strategies and processes	–	–	x
Article 435 1b CRR – Structure and organisation	–	–	x
Article 435 1c CRR – Scope and nature of risk reporting and measurement systems	–	–	x
Article 435 1d CRR – Hedging and mitigating risk	–	–	x

<b>Depending on the disclosure interval</b>		
<b>Helaba relevance</b>	<b>Use of materiality principle</b>	<b>Reference</b>
x	Limited to industries that together account for at least 95 % of the primary figures shown in the tables.	Non-Performing Exposures and Forbearance section
x	Limited to countries that together account for at least 95 % of the primary figures shown in the tables.	Non-Performing Exposures and Forbearance section
x	–	Non-Performing Exposures and Forbearance section
x	Limited to industries that together account for at least 95 % of the primary figures shown in the tables.	Non-Performing Exposures and Forbearance section
x	Limited to countries that together account for at least 95 % of the primary figures shown in the tables.	Non-Performing Exposures and Forbearance section
x	–	Non-Performing Exposures and Forbearance section
Generally relevant, no qualifying items as at 31.12.2018	–	Non-Performing Exposures and Forbearance section
x		The disclosure report for Frankfurter Sparkasse as an individual bank is published in a "Disclosure report" section within its Annual Report, which is available on FSP's website.
x		The disclosures are included in the Annual Report (Group management report (Risk report)). This disclosure report includes additional information.
x		The disclosures are included in the Annual Report ("Entities involved", "Principal risk monitoring areas", "Compliance" sections under "Risk management structure" within the "Risk report" in the group management report).  In the disclosure report, additional information on the number of meetings held by the Risk Committee can be found under "Principal risk monitoring areas" in the "Risk strategy and risk management" section.
x		"Principal risk monitoring areas" in the "Risk strategy and risk management" section.
x		"Strategies and processes to counter and mitigate risks" in the "Risk strategy and risk management" section.

## Overview of quantitative and qualitative requirements

	Disclosure interval		
	Quarterly	Half-yearly	Annually
Article 435 1e CRR – Adequacy of risk management arrangements	–	–	x
Article 435 1f CRR – Concise risk statement	–	–	x
Article 435 2a-c CRR – Members of the management body	–	–	x
Article 435 2d-e CRR – Disclosures on the risk committee and on the information flow to the management body	–	–	x
Article 436 CRR – Differences in the basis of consolidation	–	–	x
Article 447 CRR – Exposures in equities	–	–	x
Article 450 CRR – Remuneration policy disclosures	–	–	x

<b>Depending on the disclosure interval</b>		
<b>Helaba relevance</b>	<b>Use of materiality principle</b>	<b>Reference</b>
x		<p>Please refer to the “Responsibility of executive management” section under “Principles” within the “Risk report” in the group management report in conjunction with the “Responsibility statements” within the consolidated financial statements in the Helaba Group’s Annual Report for information on declarations by the Board of Managing Directors regarding the appropriateness of the risk management system at Helaba.</p> <p>Additional information is available in the disclosure report under “Risk management process” in the “Risk strategy and risk management” section.</p>
x		<p>In relation to Article 435 (1f) CRR, please refer to the group management report within the Annual Report, specifically the “Risk report” (initial passage) in conjunction with the “Protection of assets” and “Risk appetite framework” sections under “Principles” and the “Risk types” section under “Risk classification”.</p>
x		<p>Risk Strategy and Risk Management section, Risk Management Structure, Members of the management bodies subsections</p>
x		<p>The disclosures are included in the Annual Report (“Entities involved”, “Principal risk monitoring areas”, “Compliance” sections under “Risk management structure” within the “Risk report” in the group management report).</p> <p>This disclosure report includes additional information.</p>
x		<p>Information on the group of consolidated companies under IFRS may be found in the Annual Report (Note (4) in conjunction with Note (89) in the Notes to the Consolidated Financial Statements)</p>
x		<p>More detailed information on equity investment exposures is included in Notes (4) – (8), (17), (28), (31) et seq. of the Notes to the Consolidated Financial Statements in the Annual Report.</p>
x		<p>The disclosures are presented in a separate remuneration report and published on Helaba’s website.</p>

## Overview of quantitative and qualitative requirements

	Disclosure interval		
	Quarterly	Half-yearly	Annually
Article 441 CRR – Indicators of global systemic importance			
Article 473 CRR in conjunction with EBA/GL/2018/01 – Disclosure of IFRS 9 transitional arrangements			
Qualitative disclosures on non-performing exposures and forbearance in accordance with the ECB’s “Guidance to banks on non-performing loans”.	–	–	x
Section 26a KWG – Country by Country Reporting	–	–	x
Section 35 SAG – Financial Assistance Provided Within the Group	–	–	x

The regulatory own funds requirements and Helaba’s own funds are based on financial reporting in accordance with IFRS. Since 1 January 2018, the figures have taken into account the new financial reporting requirements under IFRS 9.

Please refer to the “Responsibility of executive management” section under “Principles” within the “Risk report” in the group management report in conjunction with the “Responsibility

statement” within the consolidated financial statements in the Helaba Group’s **Annual Report** for information on declarations by the Board of Managing Directors regarding the appropriateness of the risk management system at Helaba pursuant to Article 435 (1e) CRR. Given the differences between the basis of consolidation for regulatory purposes and that under German commercial law, more detailed information relating to the financial statements can also be found in the **Annual Report**.

<b>Depending on the disclosure interval</b>		
<b>Helaba relevance</b>	<b>Use of materiality principle</b>	<b>Reference</b>
Helaba is identified as an Other Systemically Important Institution and so the requirements stipulated in Article 441 CRR do not apply		–
Helaba will not make use of the transitional regulatory rules in accordance with Article 473 a) CRR covering the inclusion of the initial application effects when determining capital ratios and so the requirements stipulated in Article 473 CRR in conjunction with EBA GL 2018/01 do not apply		–
x		“Non-performing exposures and forbearance” section in conjunction with the Notes to the Consolidated Financial Statements in the Annual Report (Note (7) “Loss allowances” section, Note (9), “Modifications” section and Note (72), “Non-performing exposures and forbearance” section).
x		Disclosures can be found in the section Country-by-country reporting in accordance with Section 26a KWG in the Annual Report
x		The disclosures are included in the Annual Report (Note (74) in conjunction with Note (75) in the Notes to the Consolidated Financial Statements). The equivalent disclosures at Helaba Bank level are in the Annual Financial Report (Note (46) in the Notes to the Annual Financial Statements of Landesbank Hessen-Thüringen Girozentrale).

# Risk Strategy and Risk Management

## Risk Management Structure

### Members of the management bodies

The changes in the management or supervisory functions carried out by the members of the Helaba Board of Managing Directors compared with the details in the Disclosure Report as at 31 December 2018 have been as follows:

Article 435 CRR – Mandates held by the members of the Board of Managing Directors (in accordance with Section 24 KWG)

30 June 2019			31 December 2018		
Members of the Board of Managing Directors	Number	thereof: Subsidiaries/equity investments > 10 %	Members of the Board of Managing Directors	Number	thereof: Subsidiaries/equity investments > 10 %
Herbert Hans Grüntker	4	3	Herbert Hans Grüntker	4	3
Thomas Groß	5	4	Thomas Groß	5	3
Dr. Detlef Hosemann	4	3	Dr. Detlef Hosemann	4	3
Hans-Dieter Kemler	5	5	Hans-Dieter Kemler	4	4
–			Klaus-Jörg Mulfinger	4	3
Christian Schmid	2	2	Christian Schmid	2	2
Dr. Norbert Schraad	0	0	Dr. Norbert Schraad	0	0

Klaus-Jörg Mulfinger left the Board of Managing Directors of Helaba on 31 December 2018. Since then, Mr. Hans-Dieter Kemler has been responsible for the Sparkasse Lending Business and S-Group Service division, the Sparkasse Support division, LBS and the Banks and International Business division. The relevant Bank bodies have appointed Mr. Frank Nickel as Mr. Mulfinger's successor on Helaba's Board of Managing Directors. The appointment is subject to the consent of the ECB. Mr. Nickel joined the Bank on 1 March 2019.

Until 30 June 2019, Helaba's Supervisory Board consisted of 36 members. In accordance with a resolution passed by the relevant bodies at Helaba, the number of members of the Supervisory Board will be reduced from 36 to 27 on 1 July 2019. The

composition of the Supervisory Board is determined by Article 11 of Helaba's Charter. The right to appoint the members of the Supervisory Board other than the ex officio members and the representatives of the Bank's employees is held by Helaba's public owners.

The table below shows the number of positions held by the ordinary members of Helaba's Supervisory Board on other executive or supervisory boards as at 31 December 2018 and 1 July 2019, taking into account the changes in the composition of the Supervisory Board on 1 July 2019. The options for privileged treatment available under Section 25d (3) KWG have been applied when determining the number of positions held.



## Article 435 CRR – Mandates held by the members of the Supervisory Board

	1 July 2019		31 December 2018	
	Number of executive functions	Number of supervisory functions	Number of executive functions	Number of supervisory functions
Andreas Bausewein <sup>2</sup>				3
Frank Beck		1		1
Dr. Robert Becker <sup>3</sup>				1
Dr. Annette Beller	1	3		3
Christian Blechschmidt	1	2	1	2
Thorsten Derlitzki		1		1
Anke Glombik-Batschkus <sup>3</sup>				1
Gerhard Grandke		4		4
Stefan Hastrich <sup>2</sup>			1	2
Dr. Werner Henning		4		4
Günter Högner	1	2	1	2
Thorsten Kiwitz		1		1
Oliver Klink <sup>1</sup>	1	1		
Dr. Christoph Krämer	1	3	1	3
Christiane Kutil-Bleibaum		1		1
Annette Langner		1		1
Frank Lortz <sup>1</sup>		2		
Susanne Noll		1		1
Jürgen Pilgenröther		1		1
Clemens Reif <sup>3</sup>				2
Birgit Sahliger-Rasper		1		1
Dr. Karl-Peter Schackmann-Fallis		2		2
Dr. Thomas Schäfer		3		3
Thorsten Schäfer-Gümbel <sup>3</sup>				1
Helmut Schmidt <sup>3</sup>			1	3
Uwe Schmidt		1		1
Susanne Schmiedebach <sup>3</sup>				1
Hartmut Schubert		1		1
Wolfgang Schuster		1		1
Thorsten Sittner		1		1
Dr. Eric Tjarks	1	2	1	2
Dr. Heiko Wingenfeld		1		1
Alexander Wüerst	1	3	1	3
Arnd Zinnhardt	1	2	1	2

<sup>1</sup>since 1 July 2019 full member.<sup>2</sup>since 1 July 2019 deputy member.<sup>3</sup>left.

# Scope of Application

These disclosures are provided for the Helaba Group on the basis of the group of consolidated companies for regulatory purposes pursuant to the KWG/CRR. The document is prepared and coordinated by the parent company – Helaba.

A total of 18 companies are fully consolidated in the consolidation process for regulatory purposes in accordance with Sections 10 and 10a KWG and Article 18 CRR in addition to Helaba as the superordinated institution. A further 21 companies are excluded

from the scope of consolidation for regulatory purposes in accordance with Section 31 KWG in conjunction with Article 19 CRR.

Compared with the position as at 31 March 2019, one bank (KOFIBA) has been added to the scope of consolidation for regulatory purposes and one financial institution has been removed.

## Group of consolidated companies for regulatory purposes (overview)

Regulatory treatment	Number and type of companies
Full consolidation	<b>18 companies</b> 11 financial institutions 1 asset management company 4 banks 1 investment firm 1 provider of ancillary services
Proportional consolidation	–
Excluded from the scope of consolidation for regulatory purposes	<b>21 companies</b> 20 financial institutions 1 provider of ancillary services

# Own Funds and Own Funds Structure

This section presents information about the Helaba Group's own funds and key figures together with a breakdown of the own funds requirements for each risk type in accordance with the COREP report under Pillar I as at 30 June 2019.

KM1 – The Helaba Group in figures

in € m

	30.6.2019	31.3.2019	31.12.2018	30.9.2018	30.6.2018
<b>Composition of own funds for regulatory purposes</b>					
1 Common Equity Tier 1 capital	8,468	8,075	8,108	8,004	8,023
thereof: Regulatory adjustments	-646	-581	-509	-390	-370
Additional Tier 1 capital	670	670	775	421	421
thereof: Regulatory adjustments	-20	-20	-20	-	-
2 Tier 1 capital	9,138	8,744	8,883	8,425	8,445
Tier 2 capital	2,318	2,357	2,288	2,712	2,720
thereof: Regulatory adjustments	-14	-14	-14	-14	-14
3 Own funds, total	11,456	11,101	11,171	11,137	11,165
<b>Total risk exposure amount</b>					
4 Total RWAs	58,194	55,363	54,281	52,360	51,881
<b>Capital ratios</b>					
5 Common Equity Tier 1 (CET1) capital ratio in %	14.6	14.6	14.9	15.3	15.5
6 Tier 1 capital ratio in %	15.7	15.8	16.4	16.1	16.3
7 Total capital ratio in %	19.7	20.1	20.6	21.3	21.5
<b>Capital buffers</b>					
8 Capital conservation buffer in %	2.50	2.50	1.88	1.88	1.88
9 Institution-specific countercyclical capital buffer in %	0.09	0.10	0.09	0.06	0.06
10 Buffer for global/other systemically important institutions in %	1.00	1.00	0.66	0.66	0.66
11 Institution-specific buffer requirement in % (rows 8 + 9 + 10)	3.59	3.60	2.63	2.60	2.59
12 CET1 capital available for the buffers in % (expressed as a percentage of the total risk exposure amount))	9.70	9.79	10.36	10.09	10.28
<b>Leverage ratio</b>					
13 Leverage ratio total exposure measure	214,156	190,352	174,608	184,153	177,664
14 Leverage ratio in %	4.3	4.6	5.1	4.6	4.8

## Own Funds Structure

Common Equity Tier 1 capital rose by € 394 m compared with the figure as at 31 March 2019. Capital rose in particular as a result of the inclusion of net profit for the first six months year after the deduction of expected dividends, and the positive change in accumulated other comprehensive income. The increase also included the effect on capital from the acquisition of KOFIBA. Some of the increase was offset by a higher level of prudential filters and greater regulatory capital deductions.

Total own funds have risen by approximately € 355 m. Some of the positive effects on Common Equity Tier 1 capital referred to above were offset by the residual maturity amortisation on Tier 2 capital instruments.

A description of the individual capital instruments together with a list of their key features can be found in the Annex under “Key Features of the Capital Instruments”.

Details of the composition of the regulatory own funds and the regulatory deduction amounts, together with a presentation of how the regulatory own funds can be derived from the relevant items in the audited consolidated half-yearly financial statements of the Helaba Group, are shown in the following two tables.

Article 437 CRR – Disclosure of own funds (table based on Annex VI of Implementing Regulation (EU) No 1423/2013)

in € m

<b>Common Equity Tier 1 capital: Instruments and reserves</b>		<b>Amount at reporting date</b>	<b>Regulation (EU) No 575/2013 Article Reference</b>	<b>Notes</b>
1	Capital instruments and the related share premium accounts	4,055	26 (1), 27, 28, 29	
	of which: Share capital	2,509	EBA list 26 (3)	
2	Retained earnings	4,486	26 (1) (c)	(a)
3	Accumulated other comprehensive income (and other reserves)	402	26 (1)	(b)
5a	Independently reviewed interim profits net of any foreseeable charge or dividend	170	26 (2)	(c)
<b>6</b>	<b>Common Equity Tier 1 (CET1) capital before regulatory adjustments</b>	<b>9,114</b>	<b>Sum of rows 1 to 5a</b>	
<b>Common Equity Tier 1 (CET1) capital: regulatory adjustments</b>				
7	Additional value adjustments	-195	34, 105	
8	Intangible assets (net of relaxed tax liability)	-89	36 (1) (b), 37	
10	Deferred tax assets that rely on future profitability excluding those arising from temporary differences (net of related tax liability where the conditions in Article 38 (3) are met)	-3	36 (1) (c), 38	
12	Negative amounts resulting from the calculation of expected loss amounts	-91	36 (1) (d), 40, 159	
14	Gains or losses on liabilities valued at fair value resulting from changes in own credit standing	-86	33 (1) (b)	(d)
16	Direct and indirect holdings by an institution of own CET1 instruments	-108	36 (1) (f), 42	
	CET1 capital elements or deductions – other	-73		(e)
<b>28</b>	<b>Total regulatory adjustments to Common Equity Tier 1 (CET1)</b>	<b>-646</b>	<b>Sum of rows 7 to 20a, 21, 22 and 25a to 27</b>	
<b>29</b>	<b>Common Equity Tier 1 (CET1) capital</b>	<b>8,468</b>	<b>Sum of row 6 and row 28</b>	
<b>Additional Tier 1 (AT1) capital: instruments</b>				
30	Capital instruments and the related share premium accounts	374	51, 52	
33	Amount of qualifying items referred to in Article 484 (4) and the related share premium accounts subject to phase out from AT1	316	486 (3)	(f)
<b>36</b>	<b>Additional Tier 1 (AT1) capital before regulatory adjustments</b>	<b>690</b>	<b>Sum of rows 30, 33 and 34</b>	
<b>Additional Tier 1 (AT1) capital: regulatory adjustments</b>				
37	Direct and indirect holdings by an institution of own AT1 instruments	-20	52 (1) (b), 56 (a), 57	
<b>43</b>	<b>Total regulatory adjustments to Additional Tier 1 (AT1) capital</b>	<b>-20</b>	<b>Sum of rows 37 to 42</b>	
<b>44</b>	<b>Additional Tier 1 (AT1) capital</b>	<b>670</b>	<b>Sum of row 36 and row 43</b>	
<b>45</b>	<b>Tier 1 capital (T1 = CET1 + AT1)</b>	<b>9,138</b>	<b>Sum of row 29 and row 44</b>	

Article 437 CRR – Disclosure of own funds (table based on Annex VI of Implementing Regulation (EU) No 1423/2013)

in € m

Common Equity Tier 1 capital: Instruments and reserves		Amount at reporting date	Regulation (EU) No 575/2013 Article Reference	Notes
<b>Tier 2 (T2) capital: instruments and provisions</b>				
46	Capital instruments and the related share premium accounts	2,332	62, 63	(g)
47	Amount of qualifying items referred to in Article 484 (5) and the related share premium accounts subject to phase out from T2	–	486 (4)	
<b>51</b>	<b>Tier 2 (T2) capital before regulatory adjustments</b>	<b>2,332</b>		
<b>Tier 2 (T2) capital: regulatory adjustments</b>				
52	Direct and indirect holdings by an institution of own T2 instruments and subordinated loans	–9	63 (b) (i), 66 (a), 67	
55	Direct and indirect holdings by the institution of the T2 instruments and subordinated loans of financial sector entities where the institution has a significant investment in those entities (net of eligible short positions)	–5	66 (d), 69, 79	(h)
<b>57</b>	<b>Total regulatory adjustments to Tier 2 (T2) capital</b>	<b>–14</b>	<b>Sum of rows 52 to 56</b>	
<b>58</b>	<b>Tier 2 (T2) capital</b>	<b>2,318</b>	<b>Sum of row 51 and row 57</b>	
<b>59</b>	<b>Total capital (TC = T1 + T2)</b>	<b>11,456</b>	<b>Sum of row 45 and row 58</b>	
<b>60</b>	<b>Total risk weighted assets</b>	<b>58,194</b>		
<b>Capital ratio and buffers</b>				
61	Common Equity Tier 1 (as a percentage of total risk exposure amount)	14.55 %	92 (2) (a)	
62	Tier 1 (as a percentage of total risk exposure amount)	15.70 %	92 (2) (b)	
63	Total capital (as a percentage of total risk exposure amount)	19.69 %	92 (2) (c)	
64	Institution specific buffer requirement (CET1 requirement in accordance with article 92 (1) (a) plus capital conservation and countercyclical buffer requirements, plus systemic risk buffer, plus the systemically important institution buffer, expressed as a percentage of risk exposure amount)	8.09 %	CRD 128, 129, 130, 131, 133	
65	of which: capital conservation buffer requirement	2.50 %		
66	of which: countercyclical buffer requirement	0.09 %		
67a	of which: Global Systemically Important Institution (G-SII) or Other Systemically Important Institution (O-SII) buffer	1.00 %		
68	Common Equity Tier 1 available to meet buffers (as a percentage of risk exposure amount)	9.70 %	CRD 128	
<b>Amounts below the thresholds for deduction (before risk weighting)</b>				
72	Direct and indirect holdings of the capital of financial sector entities where the institution does not have a significant investment in those entities (amount below 10 % threshold and net of eligible short positions)	272	36 (1) (h), 46, 45, 56 (c), 59, 60, 66 (c), 69, 70	

## Article 437 CRR – Disclosure of own funds (table based on Annex VI of Implementing Regulation (EU) No 1423/2013)

in € m

<b>Common Equity Tier 1 capital: Instruments and reserves</b>	<b>Amount at reporting date</b>	<b>Regulation (EU) No 575 /2013 Article Reference</b>	<b>Notes</b>
73 Direct and indirect holdings by the institution of the CET1 instruments of financial sector entities where the institution has a significant investment in those entities (amount below 10 % threshold and net of eligible short positions)	75	36 (1) (i), 45, 48	
75 Deferred tax assets arising from temporary differences (amount below 10 % threshold, net of related tax liability where the conditions in Article 38 (3) are met)	448	36 (1) (c), 38, 48	
<b>Applicable caps on the inclusion of provisions in Tier 2</b>			
77 Cap on inclusion of credit risk adjustments in T2 under standardised approach	75	62	
79 Cap for inclusion of credit risk adjustments in T2 under internal ratings-based approach	258	62	
<b>Capital instruments subject to phase-out arrangements (only applicable between 1 Jan 2014 and 1 Jan 2022)</b>			
82 – Current cap on AT1 instruments subject to phase out arrangements	316	484 (4), 486 (3) and (5)	
83 – Amount excluded from AT1 due to cap (excess over cap after redemptions and maturities)	202	484 (4), 486 (3) and (5)	
84 – Current cap on T2 instruments subject to phase out arrangements	75	484 (5), 486 (4) and (5)	
85 – Amount excluded from T2 due to cap (excess over cap after redemptions and maturities)	–	484 (5), 486 (4) and (5)	

Rows 3a, 4, 5, 9, 11, 13, 15, 17, 18, 19, 20, 20a, 20b, 20c, 20d, 21, 22, 23, 24, 25, 25a, 25b, 27, 31, 32, 34, 35, 38, 39, 40, 41, 42, 48, 49, 50, 53, 54, 56, 67, 69, 70, 71, 74, 76, 78, 80, 81 are not applicable or not relevant in the Helaba Group and are not shown for reasons of clarity.

The regulatory adjustments to Common Equity Tier 1 capital, Additional Tier 1 capital and Tier 2 capital are shown with a minus sign.

- (a) Retained earnings does not include net income for the first half of 2019 attributable to the shareholders of the parent (€ 259 m) or the home savings protection fund (€ 11 m).
- (b) See also Note (39) in the Notes to the Consolidated Financial Statements in the Half-Yearly Financial Report for disclosures regarding the composition of accumulated other comprehensive income. The differences in the amounts for accounting and regulatory purposes resulted in particular from the measurement at fair value through other comprehensive income of equity investments not included in the basis of consolidation for regulatory purposes.
- (c) This item includes the net income attributable to the shareholders of the parent under the consolidation group for commercial law purposes (€ 254 m) less foreseeable dividends (€ 84 m).
- (d) This item includes gains or losses on liabilities measured at fair value that result from changes in the institution's own credit standing (Article 33 (1) (b) CRR) and fair value gains and losses arising from the institution's own credit risk related to derivative liabilities (Article 33 (1) (c) CRR).
- (e) The irrevocable payment obligations to the Single Resolution Board (SRB) and deposit guarantee schemes are reported under the other deductions from Common Equity Tier 1 capital. Helaba has elected to utilise the option to make some of the annual contribution in the form of an irrevocable payment undertaking backed in full by cash collateral.
- (f) This item comprises silent participations, which are reported in the statement of financial position under subordinated liabilities (subordinated capital). The silent participations are included, on a transitional basis, as Additional Tier 1 capital in accordance with the CRR and they satisfy the requirements of Article 63 CRR as amended 23 June 2013 (Tier 2 capital). The ineligible amount due to the upper limit defined in Article 486 (3) CRR is € 202 m.
- (g) The Tier 2 capital comprises liabilities under profit participation rights and other subordinated liabilities. The Tier 2 capital also includes an amount of € 202 m from silent participations (see (f)). This comprises amounts that exceeded the upper limits in Article 486 (3) CRR.
- (h) Tier 2 instruments that constitute deductible holdings relating to financial sector entities in which a significant investment is held are reported on the statement of financial position under "Financial assets measured at amortised cost".
- (i) The minority interests requirements in accordance with Article 81 et seq. CRR are not met.

Article 437 CRR – Reconciliation from the IFRS consolidated statement of financial position  
to the consolidated statement of financial position for regulatory purposes

in € m

Statement of financial position item	IFRS consoli- dated state- ment of finan- cial position	Consolidated statement of financial position for regulatory purposes	Difference due to differ- ing groups of consolidated companies	Note <sup>1)</sup>
	30.6.2019	30.6.2019		
<b>I. Assets</b>				
Cash on hand, demand deposits and overnight money balances with central banks and banks	23,014	22,940	-74	
Financial assets measured at amortised cost	128,175	128,819	645	
Trading assets	18,346	18,347	2	
Other financial assets mandatorily measured at fair value through profit or loss	8,358	9,075	716	
Financial assets designated voluntarily at fair value	4,056	4,056	0	
Positive fair values of hedging derivatives under hedge accounting	1,386	1,386	0	
Financial assets measured at fair value through other comprehensive income	24,557	26,079	1,521	
Shares in equity-accounted entities	53	4	-49	
Investment property	2,493	2	-2,491	
Property and equipment	627	604	-24	
Intangible assets	89	88	-1	
Income tax assets	595	566	-29	
thereof: Deferred income tax assets	446	417	-29	
thereof: Arising from differences that are not temporary	4	3	-1	
thereof: Arising from temporary differences	391	365	-26	
Non-current assets and disposal groups classified as held for sale	58	0	-58	
Other assets	1,181	406	-775	
<b>Total assets</b>	<b>212,988</b>	<b>212,372</b>	<b>-617</b>	



Article 437 CRR – Reconciliation from the IFRS consolidated statement of financial position  
to the consolidated statement of financial position for regulatory purposes

in € m

Statement of financial position item	IFRS consoli- dated state- ment of finan- cial position	Consolidated statement of financial position for regulatory purposes	Difference due to differ- ing groups of consolidated companies	Note <sup>1)</sup>
	30.6.2019	30.6.2019		
<b>II. Equity and liabilities</b>				
Financial liabilities measured at amortised cost	158,700	157,335	-1,366	
thereof: Subordinated liabilities (subordinated capital)	2,879	2,879	0	
thereof: Profit participation rights	83	83	0	(g)
thereof: Amortised amount per Art. 64 CRR	-	40	40	
thereof: Difference between regulatory figures and statement of financial position	-	2	2	
thereof: Silent participations	576	576	0	(f), (g)
thereof: No longer eligible per Art. 78 CRR	-	15	15	
thereof: Amount expiring per Art. 486 CRR	-	202	202	
thereof: Difference between regulatory figures and statement of financial position	-	43	43	
thereof: Other subordinated liabilities	2,220	2,220	0	(g)
thereof: Amortised amount per Art. 64 CRR	-	110	110	
thereof: Difference between regulatory figures and statement of financial position	-	66	66	
Trading liabilities	20,511	20,511	0	
Negative fair values of non-trading derivatives	6,081	6,070	-11	
Financial liabilities designated voluntarily at fair value	13,529	13,529	0	
thereof: Subordinated liabilities (subordinated capital)	47	47	0	(g)
thereof: Difference between regulatory figures and statement of financial position	-	1	1	
Negative fair values of hedging derivatives under hedge accounting	2,602	2,602	0	
Provisions	2,281	2,214	-68	
Income tax liabilities	125	137	11	
thereof: Deferred income tax liabilities	15	34	19	
Other liabilities	521	419	-102	
<b>Equity</b>	<b>8,638</b>	<b>9,556</b>	<b>917</b>	
Subscribed capital	2,509	2,509	0	
Capital reserves	1,546	1,546	0	
Regulatory Additional Tier 1 instruments	354	354	0	
Retained earnings	4,580	4,757	176	(a)
thereof: Attributable to shareholders	254	259	5	(c)
Accumulated other comprehensive income (OCI)	-351	388	739	(b)
Non-controlling interests	0	2	2	(i)
<b>Total equity and liabilities</b>	<b>212,988</b>	<b>212,372</b>	<b>-616</b>	

<sup>1)</sup> Explanations can be found in the table "Disclosure of Own Funds".

## Capital Adequacy

The table below shows the RWAs and own funds requirements broken down by risk type.

EU OV1 – Overview of RWAs

in € m

			RWAs		Own funds requirement
			30.6.2019	31.3.2019	30.6.2019
	1	Credit risk (excluding CCR)	47,508	44,978	3,801
Article 438(c)(d)	2	Of which standardised approach (CRSA)	5,857	5,125	469
Article 438(c)(d)	3	Of which the foundation IRB (FIRB) approach	39,297	37,684	3,144
Article 438(c)(d)	4	Of which the advanced IRB (AIRB) approach	1,242	1,100	99
Article 438(d)	5	Of which equity IRB under the simple risk-weighted approach or the IMA	1,111	1,069	89
Article 107, Article 438(c)(d)	6	Counterparty credit risk (CCR)	2,227	1,924	178
Article 438(c)(d)	7	Of which mark to market	1,368	1,136	109
Article 438(c)(d)	8	Of which original exposure	–	–	–
	9	Of which standardised approach	–	–	–
	10	Of which internal model method (IMM)	–	–	–
Article 438(c)(d)	11	Of which contributions to the default fund of a CCP	88	84	7
Article 438(c)(d)	12	Of which CVA	772	704	62
Article 438(e)	13	Settlement risk	4	1	0
Article 449(o)(i)	14	Securitisation exposures in the banking book (after the cap)	1,816	1,683	145
	15	Of which IRB approach	748	674	60
	16	Of which supervisory formula approach (SFA)	434	382	35
	17	Of which internal assessment approach (IAA)	299	288	24
	18	Of which standardised approach	1,066	1,009	85
		Of which risk-weighted credit risk exposures: securitisation exposures (revised securitisation rules)	2	–	0
Article 438(e)	19	Market risk	3,160	3,367	253
	20	Of which standardised approach	1,392	1,305	111
	21	Of which internal model method (IMM)	1,767	2,062	141
Article 438(e)	22	Large exposures	–	–	–
Article 438(f)	23	Operational risk	3,397	3,319	272
	24	Of which basic indicator approach	–	–	–
	25	Of which standardised approach	3,397	3,319	272
	26	Of which advanced measurement approaches	–	–	–
Article 437(2), Article 48 and Article 60	27	Amounts below the thresholds for deduction (subject to 250 % risk weight)	82	91	7
Article 500	28	Adjustment for Basel I floor	–	–	–
	<b>29</b>	<b>Total</b>	<b>58,194</b>	<b>55,363</b>	<b>4,655</b>

The securitisation exposures in accordance with the revised securitisation rules (EU regulation amending the CRR (Regulation (EU) 2017/2401)) are reported as a separate “thereof” item under “Securitisation exposures in the banking book (after the cap)”.

The following table (as at 30 June 2019) is provided in addition to the differentiated presentation of RWAs in accordance with the requirements in EBA/GL/2016/11 in order to ensure that the requirements of Article 438 CRR are satisfied in full.

## Article 438 CRR – Overview of RWAs by exposure class

in € m

	RWA	Own funds requirement
FIRB – Central governments or central banks	1,500	120
FIRB – Institutions	3,283	263
FIRB – Corporates	34,696	2,776
thereof: Specialised lending exposures	18,155	1,452
thereof: SME	1,942	155
thereof: Other	14,599	1,168
AIRB – Central governments or central banks	42	3
AIRB – Institutions	172	14
AIRB – Corporates	7	1
thereof: Specialised lending exposures	6	1
thereof: SME	–	–
thereof: Other	0	0
AIRB – Retail	1,106	88
Secured by real estate	649	52
thereof: SME	164	13
thereof: Non-SME	485	39
Qualifying revolving	46	4
Other	411	33
thereof: SME	93	7
thereof: Non-SME	318	25
IRBA equity exposures	1,621	130
thereof: Simple risk-weight approach	1,111	89
Private equity exposures in sufficiently diversified portfolios (190%)	1,087	87
Exchange traded equity exposures (290%)	–	–
Other equity exposures (370%)	24	2
thereof: PD/LGD approach	439	35
thereof: Risk-weighted equities	70	6
Other non-credit-obligation assets	536	43
<b>Total IRB approach</b>	<b>42,963</b>	<b>3,437</b>
Central governments or central banks	28	2
Regional governments or local authorities	14	1
Public-sector entities	366	29
Multilateral development banks	–	–
International organisations	–	–
Institutions	379	30
Corporates	2,233	179
Retail	97	8
Exposures secured by real estate	652	52
Exposures in default	90	7
Higher risk categories	680	54
Covered bonds	2	0
Exposures to institutions and corporates with a short-term credit rating	–	–
Collective investment undertakings (CIU)	25	2
Equity exposures	1,181	94
Other exposures	248	20
<b>Total standardised approach (CRSA)</b>	<b>5,995</b>	<b>480</b>
<b>Total</b>	<b>48,958</b>	<b>3,917</b>

There were no own funds requirements on the reporting date for trading book activities of the Helaba Group in relation to large exposures above the limits set out in Articles 395 to 401 CRR.

The total RWAs rose by around €2.8 bn compared with the previous quarter. The increase in default risk of approximately €2.9 bn was primarily attributable to the land transport finance portfolio taken over from DVB Bank SE (€ 1.1 bn), KOFIBA (€ 0.5 bn), new business (€ 0.4 bn) and rating deterioration (€1.1 bn). The impact was mainly evident in the exposure classes Corporates – Specialised lending exposures (€ 1.4 bn) and Corporates – Other (€0.3 bn) in the IRB Approach and in the Higher

risk categories exposure class (€ 0.7 bn) in the CRSA. Some of this increase was offset by the contraction in market risk, which was largely accounted for by the internal model (decrease of approximately € 294 m). The changes are mainly attributable to changes in exposures in normal trading activities and to other effects.

The table below shows the equity investment exposures in the simple risk-weight approach as specified in Article 155 (2) CRR. As at 30 June 2019, Helaba did not hold any specialised lending exposures based on the supervisory slotting criteria. For this reason, the table below is restricted to equity investments.

EU CR10 – IRB: Equities (simple risk-weight approach)

in € m

Categories	Basis of measurement (on-balance sheet)	Basis of measurement (off-balance sheet)	Risk weight	Exposure value	RWAs	Own funds requirement
Private equity exposures in sufficiently diversified portfolios	418	154	190 %	572	1,087	87
Exchange-traded equity exposures	–	–	290 %	–	–	–
Other equity exposures	6	1	370 %	7	24	2
<b>Total</b>	<b>423</b>	<b>155</b>		<b>579</b>	<b>1,111</b>	<b>89</b>

The table below shows the capital ratios of the Helaba Group, Helaba Bank and the subsidiary FSP.

Capital ratios

	Total capital ratio in %	Tier 1 capital ratio in %	CET1 capital ratio in %
Helaba Group (IFRS)	19.7	15.7	14.6
Helaba Bank (HGB)	17.9	13.0	11.8
Frankfurter Sparkasse (HGB)	20.3	19.3	19.3

The Helaba Group has a comfortable capital position with a Tier 1 capital ratio of 15.7 % and a Common Equity Tier 1 capital ratio of 14.6 % as at 30 June 2019.

# Leverage Ratio

In January 2015, the requirements for calculating the leverage ratio were redefined and issued by the European Commission in Commission Delegated Regulation (EU) 2015/62.

The leverage ratio is based on the relationship between Tier 1 capital and the unweighted total of all on-balance sheet and off-balance sheet asset items (including derivatives).

The disclosures have been published in accordance with Commission Implementing Regulation (EU) 2016/200 (disclosure of the leverage ratio). The table below presents the variables used to determine the leverage ratio taking account of the transitional provisions in accordance with Article 499 (1b) CRR.

Article 451 CRR – Leverage ratio in accordance with Delegated Act

in € m

	Reference date	30.6.2019
	Entity name	Landesbank Hessen-Thüringen
	Level of application	Consolidated

Table LRSum: Summary reconciliation of accounting assets and leverage ratio exposures

	<b>Applicable amount</b>
1 Total assets as per published financial statements	212,988
2 Adjustment for entities which are consolidated for accounting purposes but are outside the scope of regulatory consolidation	-617
3 (Adjustment for fiduciary assets recognised on the balance sheet pursuant to the applicable accounting framework but excluded from the leverage ratio total exposure measure in accordance with Article 429(13) of Regulation (EU) No 575/2013)	
4 Adjustments for derivative financial instruments	(8,679)
5 Adjustment for securities financing transactions (SFTs)	89
6 Adjustment for off-balance sheet items (i.e. conversion to credit equivalent amounts of off-balance sheet exposures)	18,592
EU-6a (Adjustment for intragroup exposures excluded from the leverage ratio total exposure measure in accordance with Article 429(7) of Regulation (EU) No 575/2013)	
EU-6b (Adjustment for exposures excluded from the leverage ratio total exposure measure in accordance with Article 429(14) of Regulation (EU) No 575/2013)	
7 Other adjustments	(8,219)
8 Leverage ratio total exposure measure	214,156

Table LRCom: Leverage ratio common disclosure

	<b>CRR leverage ratio exposures</b>
<b>On-balance sheet exposures (excluding derivatives and SFTs)</b>	
1	On-balance sheet items (excluding derivatives, SFTs and fiduciary assets, but including collateral) 187,903
2	(Asset amounts deducted in determining Tier 1 capital) (183)
<b>3</b>	<b>Total on-balance sheet exposures (excluding derivatives, SFTs and fiduciary assets) (sum of lines 1 and 2) 187,720</b>
<b>Derivative exposures</b>	
4	Replacement cost associated with all derivatives transactions (i.e. net of eligible cash variation margin) 8,166
5	Add-on amounts for PFE associated with all derivatives transactions (mark-to-market method) 2,834
EU-5a	Exposure determined under Original Exposure Method
6	Gross-up for derivatives collateral provided where deducted from the balance sheet assets pursuant to the applicable accounting framework
7	(Deductions of receivables assets for cash variation margin provided in derivatives transactions) (3,421)
8	(Exempted CCP leg of client-cleared trade exposures)
9	Adjusted effective notional amount of written credit derivatives 1,320
10	(Adjusted effective notional offsets and add-on deductions for written credit derivatives) (1,230)
<b>11</b>	<b>Total derivatives exposures (sum of lines 4 to 10) 7,668</b>
<b>SFT exposures</b>	
12	Gross SFT assets (with no recognition of netting), after adjusting for sales accounting transactions 87
13	(Netted amounts of cash payables and cash receivables of gross SFT assets)
14	Counterparty credit risk exposure for SFT assets 89
EU-14a	Derogation for SFTs: Counterparty credit risk exposure in accordance with Articles 429b(4) and 222 of Regulation (EU) No 575/2013
15	Agent transaction exposures
EU-15a	(Exempted CCP leg of client-cleared SFT exposure)
<b>16</b>	<b>Total securities financing transaction exposures (sum of lines 12 to 15a) 176</b>
<b>Other off-balance sheet exposures</b>	
17	Off-balance sheet exposures at gross notional amount 37,708
18	(Adjustments for conversion to credit equivalent amounts) (19,116)
<b>19</b>	<b>Other off-balance sheet exposures (sum of lines 17 and 18) 18,592</b>
<b>Exempted exposures in accordance with Article 429(7) and (14) of Regulation (EU) No 575/2013 (on and off balance sheet)</b>	
EU-19a	(Intragroup exposures (solo basis) exempted in accordance with Article 429(7) of Regulation (EU) No 575/2013 (on and off balance sheet))
EU-19b	(Exposures exempted in accordance with Article 429(14) of Regulation (EU) No 575/2013 (on and off balance sheet))
<b>Capital and total exposure measure</b>	
<b>20</b>	<b>Tier 1 capital 9,138</b>
<b>21</b>	<b>Leverage ratio total exposure measure (sum of lines 3, 11, 16, 19, EU-19a and EU-19b) 214,156</b>
<b>Leverage ratio</b>	
<b>22</b>	<b>Leverage ratio 4.27 %</b>
<b>Choice on transitional arrangements and amount of derecognised fiduciary items</b>	
EU-23	Choice on transitional arrangements for the definition of the capital measure Transitional
EU-24	Amount of derecognised fiduciary items in accordance with Article 429(11) of Regulation (EU) No 575/2013

Table LRSpl: Split-up of on-balance sheet exposures (excluding derivatives, SFTs and exempted exposures)

		<b>CRR leverage ratio exposures</b>
EU-1	Total on-balance sheet exposures (excluding derivatives, SFTs, and exempted exposures), of which:	184,481
EU-2	Trading book exposures	6,652
EU-3	Banking book exposures, of which:	177,829
EU-4	Covered bonds	6,744
EU-5	Exposures treated as sovereigns	70,269
EU-6	Exposures to regional governments, MDBs, international organisations and PSEs not treated as sovereigns	1,921
EU-7	Institutions	16,774
EU-8	Secured by mortgages of immovable properties	16,016
EU-9	Retail exposures	1,553
EU-10	Corporates	52,054
EU-11	Exposures in default	479
EU-12	Other exposures (e.g. equity, securitisations, and other non-credit obligation assets)	12,019

### Description of the process for monitoring the risk of excessive leverage

Helaba takes the leverage ratio requirements into account in the optimisation of its business portfolio. Currently, banks must disclose the leverage ratio and report it to the supervisory authorities as an indicator for monitoring purposes. A mandatory minimum ratio of 3.0 % will apply when the leverage ratio migrates to Pillar 1 of the three-pillar model of prudential supervision (from mid-2021). The risk of excessive leverage is addressed by including the leverage ratio in the planning and control process. Based on the business and risk strategy, an internal target ratio is specified as an additional key performance indicator, supplementing the capital ratios, and the risk appetite and risk tolerance are determined such that Helaba manages its business using qualitative and quantitative guidelines, taking into account the limits it will have to comply with in the future. The change in leverage and the associated ratio is regularly monitored and reported so that corrective action can be taken as soon as possible in the event of unexpected changes. This ratio is one of the KPI components in the system for providing monthly information to the Board of Managing Directors and is specified as a key risk indicator in the RAF/RAS. This ensures that the ratio is enshrined in Helaba's holistic perspective and management of the business. In addition to expert analyses of the leverage ratio in the internal reporting

system, future changes in the ratio and in the basis of measurement form an integral part of the Bank's internal planning process. It is included in the operational and multi-year planning, which is linked to business planning. Analyses of variances between actual and target are used to identify trends and/or any need for action. In addition to regular processes, ad hoc checks can be carried out to establish whether further investigations or adjustments to threshold values are required.

### Description of the factors that impacted the disclosed leverage ratio during the reporting period

As at 30 June 2019, the leverage ratio had fallen to 4.3 % (31 December 2018: 5.1 %). The total risk exposure increased to €214.2 bn compared with the position as at the end of 2018. The takeover of the land transport finance portfolio from DVB Bank SE, the acquisition of KOFIBA and the normal course of business led to a rise in the total risk exposure of € 40 bn. The changes were predominantly in on-balance sheet items.

Tier 1 capital as at 30 June 2019 had risen to €9.1 bn (31 December 2018: €8.9 bn). Please refer to "Own Funds and Own Funds Structure" in this report for further information on the changes in Tier 1 capital.

# Liquidity Coverage Ratio (LCR)

The LCR is a regulatory measure of liquidity available at short notice and banks are required to comply with a specified minimum ratio. For Helaba, this requirement replaced the provisions of the German Liquidity Regulation (LiqV) with effect from 1 January 2018. In order to satisfy the minimum ratio of 100 %, a bank's available, liquid assets must, for a period of 30 days, be greater than the forecast cumulative net cash outflows in a serious stress scenario (which may assume, for example, the withdrawal of a certain level of customer deposits with a simultaneous loss of unsecured funding). The disclosures relating to the LCR are published in accordance with Article 435 CRR and EBA Guidelines EBA/GL/2017/01.

As part of the risk appetite framework (RAF), the Bank sets internal thresholds for the LCR (risk appetite and risk tolerance) that are well above the minimum regulatory requirements of

100 %. Both the minimum regulatory requirements and the internal thresholds were complied with at all times during the reporting period. The average liquidity coverage ratio underwent only minor fluctuations, underlining Helaba's conservative risk profile and good liquidity position.

Helaba uses an internal liquidity adequacy assessment process (ILAAP) to ensure that it has adequate liquidity available at all times and that its short- and medium-term funding is sound. This process identifies, measures and monitors all material liquidity and funding risks and facilitates corrective action in good time to avoid a liquidity squeeze, where necessary. The process also includes liquidity stress tests, contingency planning and an independent validation of risk quantification methods.

## EU LIQ1 – LCR

### LCR Disclosure Template

Scope of consolidation Consolidated  
Currency and units € m

		TOTAL ADJUSTED VALUE			
Quarter ending on		30.9.2018	31.12.2018	31.3.2019	30.6.2019
<b>Number of data points used in the calculation of averages</b>		12	12	12	12
		050	060	070	080
21	Liquidity buffer	33,646	33,775	33,619	35,204
22	TOTAL NET CASH OUTFLOWS	21,591	22,449	22,141	21,825
23	Liquidity coverage ratio (%)	156.37 %	150.84 %	152.51 %	161.82 %



# Credit Risk

## General Disclosures

As at 30 June 2019, the Helaba Group's basis of measurement for credit risk after credit risk adjustments amounted to €207,315 m.

Additional information relating to exposures in default and impaired exposures – broken down by exposure class, industry and geography – is presented in the tables below. Transactions involving a customer with which a default event as defined in Article 178 CRR has occurred are designated as in default irrespective of the recognition of any credit risk adjustment. Transactions are deemed to be past due if they are more than 90 days in arrears and this has also been recorded as a default criterion in bank systems.

Helaba applies the three-stage IFRS 9 impairment model to the following financial instruments and measurement categories:

- Financial assets in the AC measurement category
- Debt instruments in the FVTOCI (recycling) measurement category
- Lease receivables
- Receivables in accordance with IFRS 15 (including contract assets)
- Loan commitments within the scope of IFRS 9 and financial guarantees not measured at fair value through profit or loss

In accordance with the expected credit loss model, a loss allowance is recognised in the amount of the expected credit loss for all financial instruments falling within this scope, depending on the allocation of the financial instrument concerned to the relevant stage in the model. Further details on the impairment model can be found in the **Annual Report** (Note (9) in the Notes to the Consolidated Financial Statements).

The following table also includes, in the CRSA in column a, a breakdown of the exposures in default by original exposure class (shown in italics) in accordance with EBA Q&A 2017\_3481.

## EU CR1-A – Credit quality of exposures by exposure class

in €m

		a	b	c	d
		Basis of measurement before credit risk adjustments		Specific credit risk adjustments	General credit risk adjustments
		Defaulted exposures	Non-defaulted exposures		
1	Central governments or central banks	–	39,108	1	–
2	Institutions	10	17,904	10	–
3	Corporates	560	87,100	276	–
4	thereof: Specialised lending exposures	210	36,280	80	–
5	thereof: SME	19	4,361	9	–
	thereof: Other	331	46,459	187	–
6	Retail	62	5,640	27	–
7	Secured by real estate	37	3,565	4	–
8	thereof: SME	–	602	0	–
9	thereof: Non-SME	37	2,963	4	–
10	Qualifying revolving	3	807	3	–
11	Other	21	1,268	20	–
12	thereof: SME	0	271	2	–
13	thereof: Non-SME	21	997	18	–
14	IRBA equity exposures	0	896	–	–
	Other non-credit-obligation assets	–	612	–	–
<b>15</b>	<b>Total IRB approach</b>	<b>632</b>	<b>151,260</b>	<b>315</b>	<b>–</b>
16	Central governments or central banks	–	15,716	0	–
17	Regional governments or local authorities	–	15,233	0	–
18	Public-sector entities	–	4,095	2	–
19	Multilateral development banks	–	365	–	–
20	International organisations	–	338	0	–
21	Institutions	0	8,720	0	–
22	Corporates	212	4,404	5	–
23	thereof: SME	–	451	0	–
24	Retail	33	1,987	2	–
25	thereof: SME	1	23	0	–
26	Exposures secured by real estate	–	1,905	0	–
27	thereof: SME	–	499	0	–
28	Exposures in default	245	–	139	–
29	Higher risk categories	–	526	4	–
30	Covered bonds	–	343	0	–
31	Exposures to institutions and corporates with a short-term credit rating	–	–	–	–
32	Collective investment undertakings (CIU)	–	25	–	–
33	Equity exposures	–	1,681	–	–
34	Other exposures	–	308	–	–
<b>35</b>	<b>Total standardised approach (CRSA)</b>	<b>245</b>	<b>55,645</b>	<b>151</b>	<b>–</b>
<b>36</b>	<b>Total</b>	<b>876</b>	<b>206,905</b>	<b>466</b>	<b>–</b>
37	thereof: Loans	774	143,859	405	–
38	thereof: Debt securities	10	26,650	10	–
39	thereof: Off-balance-sheet exposures	93	36,396	52	–

## EU CR1-A – Credit quality of exposures by exposure class

in €m

	e	f	g
	Accumulated write-offs	Change in credit risk adjustments compared with the prior period	Basis of measurement after credit risk adjustments (a+b-c-d)
1 Central governments or central banks	–	–1	39,107
2 Institutions	–	–5	17,904
3 Corporates	296	10	87,384
4 thereof: Specialised lending exposures	72	–44	36,409
5 thereof: SME	16	2	4,372
thereof: Other	208	52	46,603
6 Retail	52	2	5,674
7 Secured by real estate	23	–0	3,598
8 thereof: SME	6	0	602
9 thereof: Non-SME	17	–0	2,996
10 Qualifying revolving	12	0	807
11 Other	17	1	1,269
12 thereof: SME	4	0	269
13 thereof: Non-SME	14	1	1,001
14 IRBA equity exposures	–	–	896
Other non-credit-obligation assets	–	–	612
<b>15 Total IRB approach</b>	<b>348</b>	<b>6</b>	<b>151,577</b>
16 Central governments or central banks	–	0	15,716
17 Regional governments or local authorities	–	–0	15,233
18 Public-sector entities	–	–2	4,093
19 Multilateral development banks	–	–	365
20 International organisations	–	–0	338
21 Institutions	–	–0	8,720
22 Corporates	–	–8	4,399
23 thereof: SME	–	0	451
24 Retail	0	–0	1,985
25 thereof: SME	0	0	22
26 Exposures secured by real estate	–	–0	1,905
27 thereof: SME	–	0	499
28 Exposures in default	125	–1	106
29 Higher risk categories	–	4	522
30 Covered bonds	–	–0	343
31 Exposures to institutions and corporates with a short-term credit rating	–	–	–
32 Collective investment undertakings (CIU)	–	–	25
33 Equity exposures	–	–	1,681
34 Other exposures	–	–	308
<b>35 Total standardised approach (CRSA)</b>	<b>125</b>	<b>–8</b>	<b>55,738</b>
<b>36 Total</b>	<b>473</b>	<b>–2</b>	<b>207,315</b>
37 thereof: Loans	473	21	144,228
38 thereof: Debt securities	–	–6	26,650
39 thereof: Off-balance-sheet exposures	–	–17	36,437

## EU CR1-B – Credit quality of exposures by industry

in €m

	a	b	c	d	e	f	g	
	Basis of measurement before credit risk adjustments						Basis of measurement after credit risk adjustments	
	Defaulted exposures	Non-defaulted exposures	Specific credit risk adjustments	General credit risk adjustments	Accumulated write-offs	Change in credit risk adjustments compared with the prior period	(a+b-c-d)	
1	Civil engineering, real estate and housing	333	39,627	226	–	276	0	39,733
2	Data processing, telecommunication, media	5	3,847	6	–	3	–1	3,846
3	Energy, utilities, waste disposal	52	11,436	20	–	19	–1	11,468
4	Financial enterprises and insurance companies	69	13,348	45	–	41	6	13,372
5	Trade and services	174	11,205	82	–	79	17	11,298
6	Banks	10	47,669	10	–	–	–5	47,670
7	Public-sector entities, organisations, services	–	49,699	3	–	–	–3	49,697
8	Manufacturing	52	9,077	23	–	10	1	9,106
9	Transport (including vehicle manufacturing)	126	9,929	30	–	25	–14	10,025
10	Other	55	11,068	22	–	19	–3	11,101
<b>11</b>	<b>Total</b>	<b>876</b>	<b>206,905</b>	<b>466</b>	<b>–</b>	<b>473</b>	<b>–2</b>	<b>207,315</b>

To keep the presentation clear and ensure only relevant information is shown, the data in the table is limited to countries that, in terms of the basis of measurement before credit risk adjustments, together account for at least 95 % of the basis of measurement before credit risk adjustments in the Helaba Group.

## EU CR1-C – Credit quality of exposures by geography

in €m

	a	b	c	d	e	f	g
	Basis of measurement before credit risk adjustments						Basis of measurement after credit risk adjustments
	Defaulted exposures	Non-defaulted exposures	Specific credit risk adjustments	General credit risk adjustments	Accumulated write-offs	Change in credit risk adjustments compared with the prior period	(a+b-c-d)
<b>1 Africa</b>	<b>5</b>	<b>296</b>	<b>2</b>	<b>–</b>	<b>2</b>	<b>1</b>	<b>299</b>
<b>2 Asia</b>	<b>0</b>	<b>653</b>	<b>0</b>	<b>–</b>	<b>0</b>	<b>–0</b>	<b>653</b>
<b>3 Australia and New Zealand</b>	<b>0</b>	<b>705</b>	<b>0</b>	<b>–</b>	<b>–</b>	<b>–0</b>	<b>705</b>
<b>4 Europe</b>	<b>663</b>	<b>182,708</b>	<b>295</b>	<b>–</b>	<b>323</b>	<b>4</b>	<b>183,077</b>
5 Germany	401	138,321	157	–	209	16	138,565
6 Finland	–	1,290	2	–	–	–0	1,289
7 France	83	9,145	21	–	19	0	9,207
8 Ireland	51	1,476	11	–	10	–2	1,517
9 Luxembourg	30	5,232	34	–	32	–3	5,228
10 The Netherlands	0	4,147	4	–	1	–1	4,143
11 Norway	–	924	1	–	–	–0	924
12 Austria	0	3,287	3	–	3	–2	3,284
13 Poland	0	1,404	3	–	3	–1	1,401
14 Sweden	–	2,337	2	–	0	–1	2,335
15 Switzerland	0	2,048	2	–	1	–1	2,046
16 Spain	13	1,160	4	–	3	–0	1,169
17 United Kingdom	37	6,305	43	–	38	0	6,300
18 Other	47	5,632	9	–	4	–1	5,670
<b>19 North America</b>	<b>191</b>	<b>21,085</b>	<b>165</b>	<b>–</b>	<b>146</b>	<b>–4</b>	<b>21,110</b>
20 Canada	10	2,641	2	–	–	0	2,649
21 United States of America	180	18,377	163	–	146	–4	18,393
22 Other	–	67	0	–	–	–10	67
<b>23 Central and South America</b>	<b>17</b>	<b>679</b>	<b>3</b>	<b>–</b>	<b>2</b>	<b>–1</b>	<b>693</b>
<b>24 Other regions</b>	<b>–</b>	<b>778</b>	<b>0</b>	<b>–</b>	<b>–</b>	<b>–0</b>	<b>778</b>
<b>25 Total</b>	<b>876</b>	<b>206,905</b>	<b>466</b>	<b>–</b>	<b>473</b>	<b>–2</b>	<b>207,315</b>

The extent of the credit risk adjustments is determined on the basis of an assessment of the financial circumstances including the use of appropriate rating results and forecasts of going concern value or break-up value, and the measurement of collateral at the expected recovery value taking into account the time required for collateral recovery and appropriate recovery costs.

Credit risk adjustments and direct write-offs are submitted for approval in the form of an application for an allowance for losses on loans and advances. The adequacy of the credit risk adjust-

ment is reviewed regularly and adjustments are made where necessary. The credit risk adjustments for the Bank are recorded and updated in the central Credit Loss Database system. Detailed information on the calculation of the credit risk adjustment and the approval process is available in the form of an internal set of rules and regulations and can be found in Note (9) of the Notes to the Consolidated Financial Statements in the

**Annual Report.**

The table below shows the past-due exposures according to FINREP, broken down by the number of days by which the exposure furthest past due is past due, and by customer.

EU CR1-D – Ageing of past-due exposures

in € m

	a	b+c	d	e	f
Basis of measurement before credit risk adjustments					
	≤ 30 days	> 30 days ≤ 90 days	> 90 days ≤ 180 days	> 180 days ≤ 1 year	> 1 year
1 Loans	210	469	62	14	240
2 Debt securities	–	–	–	–	–
<b>3 Total</b>	<b>210</b>	<b>469</b>	<b>62</b>	<b>14</b>	<b>240</b>

Table CR1-E shows the non-performing, past-due and forborne exposures according to FINREP, broken down by debt securities, loans and off-balance-sheet exposures.

EU CR1-E – Non-performing and forborne exposures

in € m

	a	b	c	d	e	f	g
Gross carrying amount							
Of which non-performing							
		Of which performing, past due > 30 days and ≤ 60 days	Of which performing forborne exposures		Of which defaulted	Of which impaired	Of which forborne exposures
010 Debt securities	24,108	–	–	–	–	–	–
020 Loans	156,988	13	719	791	790	767	563
030 Off-balance-sheet exposures	38,437	–	–	91	91	–	–

EU CR1-E – Non-performing and forborne exposures

in € m

	h	i	j	k	l	m
Accumulated impairment and provisions and negative fair value adjustments due to credit risk				Collaterals and financial guarantees received		
	on non-performing exposures		on performing exposures			
		Of which forborne exposures		Of which forborne exposures	on non-performing exposures	Of which on forborne exposures
010 Debt securities	3	–	–	–	–	–
020 Loans	113	9	313	236	173	394
030 Off-balance-sheet exposures	29	–	25	–	2	–

The table below shows the changes in the credit risk adjustments over the reporting period 1 January 2019 to 30 June 2019. In contrast to the presentation of data in tables CR1-B

(Credit quality of exposures by industry) and CR1-C (Credit quality of exposures by geography), these tables also include data on securitisation exposures.

EU CR2-A – Changes in the stock of general and specific credit risk adjustments (on-balance sheet risk exposures)

in € m

	a	b
	Specific credit risk adjustments	General credit risk adjustments
<b>1 Opening balance</b>	<b>419</b>	–
2 Additions	126	–
3 Reversals	133	–
Changes in credit risk adjustment due to stage transfers	25	–
4 Utilisations	28	–
5 Transfers between types of credit risk adjustment	–	–
6 Impact of exchange rate differences	1	–
7 Impact of consolidation effects	–	–
8 Other adjustments	18	–
<b>9 Closing balance</b>	<b>428</b>	–
10 Recoveries on loans and advances previously written off	5	–
11 Direct write-offs	1	–

EU CR2-A – Changes in the stock of defaulted and impaired loans and debt securities (on-balance sheet risk exposures)

in € m

	a
	Basis of measurement before credit risk adjustments
<b>1 Opening balance</b>	<b>765</b>
2 New defaults	98
3 Recoveries	8
4 Direct write-offs	0
5 Other adjustments	–71
<b>6 Closing balance</b>	<b>784</b>

The information in the tables above according to FINREP relates to the 30 June 2019 reporting date and comprises the amounts of the credit risk adjustments under IFRS based on the group of consolidated companies for regulatory purposes.

The quantitative information on the credit risk adjustments under IFRS that is included in the disclosures pursuant to the CRR differs from the credit risk adjustments in the consolidated accounts under IFRS due to differences between the group of consolidated companies for regulatory purposes and the group of consolidated companies for accounting purposes.

## General Disclosures on Credit Risk Mitigation

Like the creditworthiness of borrowers or counterparties, the collateral arrangements (or general risk mitigation techniques) available are of major importance when determining the adequacy of own funds to cover default risks. Helaba takes the following collateral instruments into account for regulatory purposes in the context of credit risk mitigation techniques insofar as the instruments concerned comply with the requirements of the CRR:

- unfunded credit protection (e.g. guarantees and sureties)
- mortgage security (e.g. charges over real estate)
- financial collateral (e.g. assigned or pledged securities, cash collateral)
- ships and aircraft as other physical collateral (e.g. registered ship or aircraft mortgages)
- assignment of receivables as collateral (e.g. assignment of trade receivables as collateral)

FSP, as an institution within the Helaba Group, takes the same collateral instruments into account – ships and aircraft excepted – when calculating its own funds requirements.

KOFIBA, which is now a bank in the Helaba Group, includes guarantees and financial collateral when calculating its own funds requirements. The collateral is managed directly in KOFIBA's core banking system. A special application system is used to take into account credit risk mitigation techniques in accordance with the CRR, which have a beneficial impact on own funds. This system calculates the relevant parameters and figures needed to prepare the own funds requirements as specified in the CRR. When determining the eligibility of collateral for regulatory purposes, collateral values are reduced by the mark-downs specified in regulatory requirements. Guarantees provided by public-sector entities with investment-grade ratings are the only item in the unfunded credit protection class in the context of regulatory credit risk mitigation in accordance with the CRR. In the funded credit protection class, Helaba holds cash collateral solely from banks or financial institutions, likewise with investment-grade ratings.

EU CR3 – Credit risk mitigation techniques

in € m

	a	b	c	d	e	f
	Basis of measurement (unsecured)	Basis of measurement (secured)	thereof: Exposures secured by guarantees	thereof: Exposures secured by financial collateral	thereof: Exposures secured by credit derivatives	thereof: Exposures secured by physical/ other collateral
1 Loans	114,903	29,326	7,262	1,582	–	20,482
2 Debt securities	26,170	480	419	–	–	60
Off-balance-sheet exposures	35,133	1,303	738	141	–	425
<b>3 Total</b>	<b>176,206</b>	<b>31,109</b>	<b>8,419</b>	<b>1,722</b>	<b>–</b>	<b>20,968</b>
4 Of which defaulted	415	137	21	2	–	115

Assigned endowment insurance policies are also taken into account as collateral. Under the CRR, endowment insurance policies assigned as collateral for IRB transactions are classified as other physical collateral. If they are used as collateral for CRSA exposures, they are treated in the same way as guarantees and therefore shown in the above table under guarantees.



## Credit Risk and Credit Risk Mitigation in the Standardised Approach

Helaba calculates the own funds requirements for default risk exposures under the standardised approach (CRSA) using exclusively external ratings from Standard & Poor's and Moody's Investors Service (the latter only in FSP). The two rating agencies are used for all CRSA exposure classes. However, other agencies are used when calculating the own funds requirements for securitisations.

When applying credit assessments of issues to exposures, an issue rating is assigned to each transaction if one is available. If no issue rating is available, the issuer rating is used. If no issuer rating is available, the country of domicile rating is applied in the case of churches and institutions. If no issuer or country of do-

micile rating is available, Helaba investigates the possibility of applying long-term ratings of other issues to short- and long-term exposures with the borrower. External ratings are mapped to the CRR rating grades using the standard classification published by the EBA.

In accordance with the CRR, KOFIBA uses the CRSA for default risk exposures that do not satisfy the criteria for using the IRB Approach. The main exposures involved are loans to municipal and public-sector entities in Germany and abroad. The IRB Approach is not applied to German federal states or their local authorities on a permanent basis in application of Article 150 CRR. The external ratings published by the rating agencies Standard & Poor's, Moody's and Fitch are used for all CRSA exposure classes. Again, these ratings are matched to the CRR rating grades using the standard classification published by the EBA.

EU CR4 – Standardised approach: Credit risk exposure and CRM effects by exposure class

in € m

Exposure classes	a	b	c	d	e	f
	Basis of measurement		Exposure value		RWAs and RWA density	
	On balance sheet	Off balance sheet	On balance sheet	Off balance sheet	RWAs	RWA density in %
1 Central governments or central banks	15,545	170	17,548	171	28	0.16
2 Regional governments or local authorities	12,547	2,686	13,931	1,428	14	0.09
3 Public-sector entities	2,713	1,380	1,807	688	366	14.66
4 Multilateral development banks	365	–	366	15	–	0.00
5 International organisations	338	–	338	–	–	0.00
6 Institutions	8,260	459	8,458	196	337	3.89
7 Corporates	3,966	433	2,155	116	2,151	94.73
8 Retail	1,748	237	115	7	95	78.03
9 Exposures secured by real estate	1,787	118	1,787	66	652	35.20
10 Exposures in default	96	10	76	7	90	109.06
11 Higher risk categories	386	136	386	68	680	150.00
12 Covered bonds	343	–	343	–	2	0.71
13 Exposures to institutions and corporates with a short-term credit rating	–	–	–	–	–	–
14 Collective investment undertakings (CIU)	25	–	25	–	25	100.00
15 Equity exposures	1,668	14	1,174	–	1,181	100.55
16 Other exposures	308	–	308	–	248	80.28
<b>17 Total</b>	<b>50,095</b>	<b>5,643</b>	<b>48,814</b>	<b>2,762</b>	<b>5,869</b>	<b>11.38</b>

The table below shows the CRSA exposure value after collateral provided. The Comprehensive Method in accordance with Article 223 CRR is applied for financial collateral in the great majority of cases. Helaba also avails itself of Article 113 CRR to exempt

default risk exposures to companies belonging to the same group or members of the same institutional protection system permanently from the IRB Approach and to treat them instead as CRSA exposures.

EU CR5 – Standardised approach: Credit risk exposure value by exposure class and risk weight (after credit risk mitigation)

in € m

	Exposure classes	Risk weighting								
		0 %	2 %	4 %	10 %	20 %	35 %	50 %	70 %	75 %
1	Central governments or central banks	17,491	–	–	–	19	–	–	–	–
2	Regional governments or local authorities	15,288	–	–	–	69	–	–	–	–
3	Public-sector entities	1,118	–	–	–	1,239	–	41	–	–
4	Multilateral development banks	380	–	–	–	–	–	–	–	–
5	International organisations	338	–	–	–	–	–	–	–	–
6	Institutions	7,544	1	0	–	726	–	377	–	–
7	Corporates	5	–	–	–	96	40	33	–	–
8	Retail	–	–	–	–	–	–	–	–	102
9	Exposures secured by real estate	–	–	–	–	–	1,810	40	–	–
10	Exposures in default	–	–	–	–	–	–	–	–	–
11	Higher risk categories	–	–	–	–	–	–	–	–	–
12	Covered bonds	322	–	–	18	3	–	–	–	–
13	Exposures to institutions and corporates with a short-term credit rating	–	–	–	–	–	–	–	–	–
14	Collective investment undertakings (CIU)	–	–	–	–	–	–	–	–	–
15	Equity exposures	–	–	–	–	–	–	–	–	–
16	Other exposures	49	–	–	–	11	–	–	–	–
<b>17</b>	<b>Total standardised approach exposure value after credit risk mitigation</b>	<b>42,534</b>	<b>1</b>	<b>0</b>	<b>18</b>	<b>2,164</b>	<b>1,850</b>	<b>490</b>	<b>–</b>	<b>102</b>

EU CR5 – Standardised approach: Credit risk exposure value by exposure class and risk weight (after credit risk mitigation)

in € m

	Exposure classes	Risk weighting						Deducted	Total	Of which unrated
		100 %	150 %	250 %	370 %	1.250 %	Other			
1	Central governments or central banks	0	–	–	–	–	210	–	17,720	2
2	Regional governments or local authorities	–	–	–	–	–	1	–	15,358	2,353
3	Public-sector entities	98	–	–	–	–	0	–	2,495	1,954
4	Multilateral development banks	–	–	–	–	–	–	–	380	184
5	International organisations	–	–	–	–	–	–	–	338	127
6	Institutions	1	–	–	–	–	5	–	8,653	7,354
7	Corporates	1,395	0	–	–	–	703	–	2,271	163
8	Retail	20	–	–	–	–	–	–	122	–
9	Exposures secured by real estate	3	–	–	–	–	–	–	1,853	21
10	Exposures in default	68	15	–	–	–	–	–	83	–
11	Higher risk categories	–	454	–	–	–	–	–	454	–
12	Covered bonds	–	–	–	–	–	–	–	343	308
13	Exposures to institutions and corporates with a short-term credit rating	–	–	–	–	–	–	–	–	–
14	Collective investment undertakings (CIU)	25	–	–	–	–	–	–	25	–
15	Equity exposures	1,169	–	5	–	–	–	–	1,174	–
16	Other exposures	248	–	–	–	–	–	–	308	49
<b>17</b>	<b>Total standardised approach exposure value after credit risk mitigation</b>	<b>3,025</b>	<b>469</b>	<b>5</b>	<b>–</b>	<b>–</b>	<b>918</b>	<b>–</b>	<b>51,576</b>	<b>12,515</b>

## Credit Risk and Credit Risk Mitigation in the IRB Approach

In December 2006, Helaba received approval from the German Federal Financial Supervisory Authority (BaFin) to use the Foundation Internal Ratings-Based (FIRB) Approach as specified in the German Solvency Regulation (Solvabilitätsverordnung – SolvV); this approval covered both the Helaba Group and Helaba Bank. The parameters laid down in the Foundation Approach for internal ratings have been applied for both regulatory capital backing and internal management purposes since 1 January 2007. The approval of the rating model for aircraft finance in December 2010 marked the completion of the regulatory audits in relation to the use of the internal rating models for the FIRBA and thus the full delivery of the IRBA implementation plan. The AIRB Approach has been applied for the retail portfolio of the subsidiary FSP since the second quarter of 2008. In 2013, LBS became the first Bausparkasse to gain permission to use the

“LBS-Kunden-Scoring” rating model and the LGD model devised by Sparkassen Rating- und Risikosysteme GmbH (S-Rating) in the AIRB Approach for retail exposures.

KOFIBA uses the AIRB Approach in accordance with Article 142 et seq. CRR to determine the total capital charge for default risk. Exposure values are determined in accordance with the AIRB Approach for loans to central governments and central banks, other banks and corporations. If no independent rating systems satisfying the criteria for use of the AIRB Approach are available for borrowers, the CRSA is used for these default risk exposures in accordance with the CRR. KOFIBA has been issued with a temporary authorisation to retain the AIRB rating system used by the Dexia Group until KOFIBA is fully integrated into Helaba. The Dexia Group is ensuring compliance with the CRR, including regular validation of the systems and models used. Further information on the rating models used and on the model and system assumptions can be found in **Dexia Group risk report** sections 2.3.1 and 2.3.2 in conjunction with Appendix 2.

The following rating models have been used to determine KOFIBA's default risk as at 30 June 2019.

Article 452 CRR – Overview of IRB approach rating models in use at KOFIBA

Borrower/ exposure	Dexia Group rating model	AIRB exposure classes				
		Central governments or central banks	Institutions	Corporates – SME	Corporates – Specialised lending exposures	Corporates – Other
Countries outside Germany	Sovereigns	x				
Central, regional and local authorities outside Germany (AT, FI)	Assimilations to sovereigns	x				
Central, regional and local authorities outside Germany (PT, FR)	West-European local authorities	x				
Central, regional and local authorities outside Germany (US)	US local governments	x				
Banks, financial services institutions, finance companies	Banks		x			
Domestic companies	Corporates					x
Project finance (specialised lending)	Project Finance (Specialised Lending)				x	

The changes in RWAs for credit risk exposures under the IRB Approach between 30 June 2019 and 31 March 2019 are presented below.

## EU CR8 – RWA flow statements of credit risk exposures under the IRB Approach

in €m

	a	b
	RWAs	Own funds requirement
<b>1 RWAs at previous quarter-end</b>	<b>39,923</b>	<b>3,194</b>
2 Asset size	1,588	127
3 Asset quality	–11	–1
4 Model updates/changes	286	23
5 Methodology and policy changes	–	–
6 Acquisitions and disposals	137	11
7 Foreign exchange movements	–203	–16
8 Other	0	0
<b>9 RWAs at the end of the current quarter</b>	<b>41,721</b>	<b>3,338</b>

In the table above, the changes in RWAs are broken down for each of the key RWA drivers:

- Asset size: changes in the carrying amount due, among other factors, to new or discontinued business or changes in the portfolio
- Asset quality: changes related to credit ratings and credit risk mitigation
- Model updates/changes: model adjustments to internal rating methods
- Methodology and policy changes: new regulatory requirements, discontinuation of transitional provisions and the like
- Acquisitions and disposals: changes based on the group of consolidated companies for regulatory purposes

- Foreign exchange movements: changes in exchange rates for foreign currency transactions
- Other: includes all other changes that cannot be attributed to the categories above

The foreign exchange movement arose principally from transactions in US dollars and sterling. The consolidation effect is attributable to KOFIBA.

The table below shows the following for IRB exposures: basis of measurement, exposure value, RWAs, EL and credit risk adjustments in accordance with the CRR, including various averages, such as the average probability of default (mean PD).

## EU CR6 – IRB approach: Credit risk exposures by exposure class and PD range

Exposure classes	PD band	a	b	c	d	e
		Basis of measurement (on-balance sheet)	Basis of measurement (off-balance sheet)	Average CCF for off-balance-sheet exposures in %	Exposure value	Average PD in %
FIRB – Central governments or central banks	0.00 to <0.15	37,551	406	68.40	40,429	0.00
	0.15 to <0.25	–	–	–	–	–
	0.25 to <0.50	–	–	–	–	–
	0.50 to <0.75	–	–	–	–	–
	0.75 to <2.50	0	–	–	0	1.32
	2.50 to <10.00	0	–	–	0	6.48
	10.00 to <100.00	450	27	75.00	450	19.97
	100.00 (Default)	–	–	–	–	–
<b>Subtotal</b>		<b>38,002</b>	<b>433</b>	<b>68.41</b>	<b>40,879</b>	<b>0.22</b>
FIRB – Institutions	0.00 to <0.15	14,869	1,544	73.45	15,783	0.05
	0.15 to <0.25	207	76	71.14	256	0.17
	0.25 to <0.50	165	31	74.43	186	0.39
	0.50 to <0.75	162	48	44.88	46	0.59
	0.75 to <2.50	4	13	41.88	8	1.51
	2.50 to <10.00	2	13	45.98	6	4.66
	10.00 to <100.00	156	41	62.12	10	19.43
	100.00 (Default)	10	0	75.00	4	100.00
<b>Subtotal</b>		<b>15,574</b>	<b>1,764</b>	<b>72.72</b>	<b>16,300</b>	<b>0.09</b>
FIRB – Corporates – Specialised lending exposures	0.00 to <0.15	12,035	1,407	73.64	12,681	0.09
	0.15 to <0.25	4,478	441	74.55	4,718	0.17
	0.25 to <0.50	6,893	1,354	74.57	7,658	0.31
	0.50 to <0.75	2,706	1,286	74.66	3,623	0.59
	0.75 to <2.50	3,706	1,299	75.10	4,466	1.18
	2.50 to <10.00	335	–	–	330	4.07
	10.00 to <100.00	260	67	85.82	229	17.32
	100.00 (Default)	197	13	44.01	200	100.00
<b>Subtotal</b>		<b>30,610</b>	<b>5,867</b>	<b>74.62</b>	<b>33,906</b>	<b>1.09</b>

in € m

	f	g	h	i	j	k	l
	Number of obligors	Average LGD in %	Average maturity	RWAs	RWA density in %	EL	Credit risk adjustments
	1,219	44.97	2.50	364	0.90	0	
	-	-	-	-	-	-	
	-	-	-	-	-	-	
	-	-	-	-	-	-	
	1	45.00	2.50	0	107.45	0	
	2	45.00	2.50	0	173.88	0	
	35	45.00	2.50	1,135	252.43	0	
	-	-	-	-	-	-	
	<b>1,257</b>	<b>44.97</b>	<b>2.50</b>	<b>1,500</b>	<b>3.67</b>	<b>0</b>	<b>1</b>
	322	31.69	2.50	2,672	16.93	2	
	15	38.43	2.50	119	46.38	0	
	26	28.69	2.50	91	48.82	0	
	12	43.94	2.50	41	88.89	0	
	13	45.00	2.50	9	113.95	0	
	13	45.00	2.50	10	155.56	0	
	41	45.00	2.50	26	250.32	1	
	2	45.00	2.50	-	-	2	
	<b>444</b>	<b>31.82</b>	<b>2.50</b>	<b>2,968</b>	<b>18.21</b>	<b>6</b>	<b>10</b>
	399	42.37	2.50	3,381	26.66	5	
	127	43.05	2.50	1,942	41.15	4	
	233	43.35	2.50	4,317	56.38	10	
	83	43.24	2.50	2,775	76.59	9	
	116	42.11	2.50	4,279	95.81	22	
	17	41.29	2.50	450	136.13	6	
	10	38.96	2.50	478	208.43	15	
	14	44.34	2.50	-	-	89	
	<b>999</b>	<b>42.72</b>	<b>2.50</b>	<b>17,621</b>	<b>51.97</b>	<b>159</b>	<b>80</b>

## EU CR6 – IRB approach: Credit risk exposures by exposure class and PD range

Exposure classes	PD band	a	b	c	d	e
		Basis of measurement (on-balance sheet)	Basis of measurement (off-balance sheet)	Average CCF for off-balance-sheet exposures in %	Exposure value	Average PD in %
FIRB – Corporates – SME	0.00 to <0.15	721	305	73.83	909	0.08
	0.15 to <0.25	442	68	84.68	483	0.17
	0.25 to <0.50	942	121	73.57	1,010	0.33
	0.50 to <0.75	427	86	79.64	481	0.59
	0.75 to <2.50	824	180	82.25	937	1.32
	2.50 to <10.00	124	45	67.61	93	4.46
	10.00 to <100.00	62	15	80.76	68	17.32
	100.00 (Default)	15	5	88.92	19	100.00
<b>Subtotal</b>		<b>3,556</b>	<b>825</b>	<b>77.42</b>	<b>4,001</b>	<b>1.37</b>
FIRB – Corporates – Other	0.00 to <0.15	14,908	13,248	69.95	21,080	0.07
	0.15 to <0.25	3,276	2,603	74.55	5,062	0.17
	0.25 to <0.50	4,242	2,979	77.04	6,133	0.30
	0.50 to <0.75	805	670	75.50	1,078	0.59
	0.75 to <2.50	1,145	581	78.39	1,332	1.43
	2.50 to <10.00	270	294	74.43	295	3.93
	10.00 to <100.00	1,260	176	72.89	620	19.86
	100.00 (Default)	278	53	87.12	311	100.00
<b>Subtotal</b>		<b>26,184</b>	<b>20,606</b>	<b>72.53</b>	<b>35,911</b>	<b>1.43</b>
AIRB – Central governments or central banks	0.00 to <0.15	586	–	–	1,825	0
	0.15 to <0.25	28	–	–	28	0.16
	0.25 to <0.50	60	–	–	60	0.44
	0.50 to <0.75	–	–	–	–	–
	0.75 to <2.50	–	–	–	–	–
	2.50 to <10.00	–	–	–	–	–
	10.00 to <100.00	–	–	–	–	–
	100.00 (Default)	–	–	–	–	–
<b>Subtotal</b>		<b>674</b>	<b>–</b>	<b>–</b>	<b>1,913</b>	<b>0.02</b>



in € m

	f	g	h	i	j	k	l
	Number of obligors	Average LGD in %	Average maturity	RWAs	RWA density in %	EL	Credit risk adjustments
	761	39.35	2.50	180	19.81	0	
	401	40.66	2.50	155	32.18	0	
	837	36.28	2.50	411	40.75	1	
	322	38.99	2.50	272	56.47	1	
	555	40.16	2.50	714	76.14	5	
	106	40.49	2.50	99	105.87	2	
	510	38.11	2.50	110	160.47	5	
	19	43.61	2.50	-	-	8	
	<b>3,511</b>	<b>38.91</b>	<b>2.50</b>	<b>1,941</b>	<b>48.52</b>	<b>22</b>	<b>9</b>
	1,140	43.19	2.50	5,104	24.21	6	
	316	44.11	2.50	2,169	42.85	4	
	437	43.60	2.50	3,436	56.03	8	
	145	43.03	2.50	829	76.92	3	
	177	44.21	2.50	1,436	107.83	8	
	76	44.39	2.50	427	144.77	5	
	897	25.71	2.50	890	143.63	31	
	100	46.47	2.50	-	-	145	
	<b>3,288</b>	<b>43.16</b>	<b>2.50</b>	<b>14,292</b>	<b>39.80</b>	<b>211</b>	<b>187</b>
	22	5.25	13.28	-	-	-	
	1	25.00	7.50	10	35.95	0	
	1	40.00	1.80	32	53.98	0	
	-	-	-	-	-	-	
	-	-	-	-	-	-	
	-	-	-	-	-	-	
	-	-	-	-	-	-	
	-	-	-	-	-	-	
	<b>24</b>	<b>6.63</b>	<b>12.83</b>	<b>42</b>	<b>2.21</b>	<b>0</b>	<b>-</b>

## EU CR6 – IRB approach: Credit risk exposures by exposure class and PD range

Exposure classes	PD band	a	b	c	d	e
		Basis of measurement (on-balance sheet)	Basis of measurement (off-balance sheet)	Average CCF for off-balance-sheet exposures in %	Exposure value	Average PD in %
AIRB – Institutions	0.00 to <0.15	376	–	–	181	0.08
	0.15 to <0.25	190	–	–	113	0.17
	0.25 to <0.50	–	–	–	50	0.48
	0.50 to <0.75	10	–	–	–	–
	0.75 to <2.50	–	–	–	–	–
	2.50 to <10.00	–	–	–	123	3.42
	10.00 to <100.00	–	–	–	–	–
	100.00 (Default)	–	–	–	–	–
<b>Subtotal</b>		<b>576</b>	<b>–</b>	<b>–</b>	<b>468</b>	<b>1.02</b>
AIRB – Corporates – Specialised lending exposures	0.00 to <0.15	–	–	–	–	–
	0.15 to <0.25	–	–	–	–	–
	0.25 to <0.50	–	–	–	–	–
	0.50 to <0.75	13	–	–	13	0.71
	0.75 to <2.50	–	–	–	–	–
	2.50 to <10.00	–	–	–	–	–
	10.00 to <100.00	–	–	–	–	–
	100.00 (Default)	–	–	–	–	–
<b>Subtotal</b>		<b>13</b>	<b>–</b>	<b>–</b>	<b>13</b>	<b>0.71</b>
AIRB – Corporates – SME	0.00 to <0.15	–	–	–	–	–
	0.15 to <0.25	–	–	–	–	–
	0.25 to <0.50	–	–	–	–	–
	0.50 to <0.75	–	–	–	–	–
	0.75 to <2.50	–	–	–	–	–
	2.50 to <10.00	–	–	–	–	–
	10.00 to <100.00	–	–	–	–	–
	100.00 (Default)	–	–	–	–	–
<b>Subtotal</b>		<b>–</b>	<b>–</b>	<b>–</b>	<b>–</b>	<b>–</b>



## EU CR6 – IRB approach: Credit risk exposures by exposure class and PD range

Exposure classes	PD band	a	b	c	d	e
		Basis of measurement (on-balance sheet)	Basis of measurement (off-balance sheet)	Average CCF for off-balance-sheet exposures in %	Exposure value	Average PD in %
AIRB – Corporates – Other	0.00 to <0.15	–	–	–	–	–
	0.15 to <0.25	0	–	–	0	0.18
	0.25 to <0.50	–	–	–	–	–
	0.50 to <0.75	–	–	–	–	–
	0.75 to <2.50	–	–	–	–	–
	2.50 to <10.00	–	–	–	–	–
	10.00 to <100.00	–	–	–	–	–
	100.00 (Default)	–	–	–	–	–
<b>Subtotal</b>		<b>0</b>	<b>–</b>	<b>–</b>	<b>0</b>	<b>0.18</b>
AIRB – Retail – Secured by real estate, SME	0.00 to <0.15	154	10	67.82	160	0.08
	0.15 to <0.25	47	1	73.73	48	0.17
	0.25 to <0.50	136	5	71.01	140	0.32
	0.50 to <0.75	55	2	65.65	57	0.59
	0.75 to <2.50	119	4	70.38	122	1.31
	2.50 to <10.00	37	2	74.49	39	4.09
	10.00 to <100.00	30	1	73.04	30	19.26
	100.00 (Default)	–	–	–	–	–
<b>Subtotal</b>		<b>577</b>	<b>25</b>	<b>69.72</b>	<b>595</b>	<b>1.68</b>
AIRB – Retail – Secured by real estate, non-SME	0.00 to <0.15	1,250	24	77.94	1,269	0.06
	0.15 to <0.25	407	5	84.85	411	0.17
	0.25 to <0.50	679	7	86.67	685	0.32
	0.50 to <0.75	132	2	92.35	134	0.59
	0.75 to <2.50	321	3	98.32	324	1.32
	2.50 to <10.00	95	1	89.48	96	3.83
	10.00 to <100.00	37	0	65.65	37	17.33
	100.00 (Default)	37	0	100.00	37	100.00
<b>Subtotal</b>		<b>2,959</b>	<b>41</b>	<b>82.92</b>	<b>2,993</b>	<b>1.87</b>

in € m

	f	g	h	i	j	k	l
	Number of obligors	Average LGD in %	Average maturity	RWAs	RWA density in %	EL	Credit risk adjustments
	-	-	-	-	-	-	-
	1	35.00	0.75	0	23.05	0	
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	<b>1</b>	<b>35.00</b>	<b>0.75</b>	<b>0</b>	<b>23.05</b>	<b>0</b>	<b>-</b>
	1,129	30.21	2.50	8	4.83	0	
	305	30.22	2.50	4	8.80	0	
	801	31.13	2.50	20	14.19	0	
	287	32.01	2.50	13	22.50	0	
	606	31.94	2.50	46	38.17	1	
	219	32.80	2.50	30	76.83	1	
	193	32.41	2.50	43	143.28	2	
	-	-	-	-	-	-	-
	<b>3,540</b>	<b>31.23</b>	<b>2.50</b>	<b>164</b>	<b>27.54</b>	<b>3</b>	<b>0</b>
	11,032	30.12	2.54	64	5.03	0	
	3,815	30.28	2.71	48	11.59	0	
	7,277	29.00	2.98	118	17.19	1	
	2,660	21.14	4.46	27	19.96	0	
	5,376	19.71	5.38	104	31.96	1	
	1,482	23.78	4.28	68	70.48	1	
	815	20.40	4.33	42	114.49	1	
	436	31.88	2.59	16	43.05	12	
	<b>32,893</b>	<b>28.06</b>	<b>3.14</b>	<b>485</b>	<b>16.21</b>	<b>16</b>	<b>4</b>

## EU CR6 – IRB approach: Credit risk exposures by exposure class and PD range

Exposure classes	PD band	a	b	c	d	e
		Basis of measurement (on-balance sheet)	Basis of measurement (off-balance sheet)	Average CCF for off-balance-sheet exposures in %	Exposure value	Average PD in %
AIRB – Retail – Qualifying revolving	0.00 to <0.15	10	623	64.00	408	0.04
	0.15 to <0.25	3	30	64.41	23	0.17
	0.25 to <0.50	7	36	64.63	31	0.32
	0.50 to <0.75	6	19	65.24	18	0.59
	0.75 to <2.50	15	28	66.05	34	1.27
	2.50 to <10.00	9	10	68.35	15	4.06
	10.00 to <100.00	2	9	66.53	8	20.12
	100.00 (Default)	3	0	99.97	3	100.00
<b>Subtotal</b>		<b>55</b>	<b>755</b>	<b>64.26</b>	<b>540</b>	<b>1.19</b>
AIRB – Retail – Other, SME	0.00 to <0.15	23	44	65.23	52	0.08
	0.15 to <0.25	9	14	66.17	18	0.17
	0.25 to <0.50	27	27	67.89	45	0.32
	0.50 to <0.75	13	12	66.33	21	0.59
	0.75 to <2.50	31	22	67.11	45	1.33
	2.50 to <10.00	20	8	69.28	26	4.29
	10.00 to <100.00	10	11	61.78	16	20.07
	100.00 (Default)	–	0	50.00	0	100.00
<b>Subtotal</b>		<b>132</b>	<b>138</b>	<b>66.26</b>	<b>224</b>	<b>2.38</b>
AIRB – Retail – Other, non-SME	0.00 to <0.15	257	84	84.48	328	0.07
	0.15 to <0.25	103	30	86.05	129	0.17
	0.25 to <0.50	195	59	86.74	246	0.32
	0.50 to <0.75	69	19	89.25	86	0.59
	0.75 to <2.50	108	20	93.55	126	1.25
	2.50 to <10.00	34	7	92.13	40	4.02
	10.00 to <100.00	8	4	82.16	11	23.82
	100.00 (Default)	20	1	100.00	21	100.00
<b>Subtotal</b>		<b>794</b>	<b>224</b>	<b>86.86</b>	<b>988</b>	<b>2.90</b>

in € m

	f	g	h	i	j	k	l
	Number of obligors	Average LGD in %	Average maturity	RWAs	RWA density in %	EL	Credit risk adjustments
	110,678	63.20	2.50	7	1.80	0	
	6,432	63.07	2.50	1	6.08	0	
	8,088	62.92	2.50	3	9.71	0	
	5,372	63.08	2.50	3	16.09	0	
	10,688	63.67	2.50	10	28.84	0	
	6,094	63.93	2.50	10	65.16	0	
	2,945	62.77	2.50	11	135.03	1	
	1,037	77.33	2.50	1	27.72	3	
	<b>151,334</b>	<b>63.31</b>	<b>2.50</b>	<b>46</b>	<b>8.58</b>	<b>5</b>	<b>3</b>
	1,218	63.83	2.50	6	11.01	0	
	333	63.50	2.50	3	18.84	0	
	739	64.18	2.50	13	28.51	0	
	341	64.49	2.50	9	40.85	0	
	679	64.96	2.50	26	58.28	0	
	436	61.60	2.50	19	71.91	1	
	1,382	61.34	2.50	17	107.42	2	
	1	24.79	2.50	-	-	0	
	<b>5,129</b>	<b>63.72</b>	<b>2.50</b>	<b>93</b>	<b>41.69</b>	<b>3</b>	<b>2</b>
	10,258	64.26	2.63	41	12.34	0	
	3,711	62.96	2.69	32	24.47	0	
	8,217	60.10	2.74	86	34.78	0	
	4,909	52.71	2.96	38	43.62	0	
	7,119	47.35	3.26	68	54.05	1	
	2,221	54.64	2.99	33	82.26	1	
	929	55.35	2.95	14	127.53	1	
	1,046	70.21	2.37	7	33.38	15	
	<b>38,410</b>	<b>59.52</b>	<b>2.79</b>	<b>318</b>	<b>32.13</b>	<b>19</b>	<b>18</b>

## EU CR6 – IRB approach: Credit risk exposures by exposure class and PD range

Exposure classes	PD band	a	b	c	d	e
		Basis of measurement (on-balance sheet)	Basis of measurement (off-balance sheet)	Average CCF for off-balance-sheet exposures in %	Exposure value	Average PD in %
IRBA equity exposures – PD/LGD approach	0.00 to <0.15	95	–	–	95	0.11
	0.15 to <0.25	35	–	–	35	0.17
	0.25 to <0.50	16	–	–	16	0.33
	0.50 to <0.75	–	–	–	–	–
	0.75 to <2.50	133	–	–	133	1.72
	2.50 to <10.00	5	–	–	5	6.67
	10.00 to <100.00	4	–	–	4	15.00
	100.00 (Default)	0	–	–	0	100.00
<b>Subtotal</b>		<b>289</b>	<b>–</b>	<b>–</b>	<b>289</b>	<b>1.21</b>
IRBA equity exposures – simple risk-weighted approach		423	155	100.00	579	–
IRBA equity exposures – risk-weighted equities		28	–	–	28	–
<b>Total</b>		<b>120,447</b>	<b>30,833</b>	<b>73.12</b>	<b>139,627</b>	<b>0.83</b>



in € m

	f	g	h	i	j	k	l
	Number of obligors	Average LGD in %	Average maturity	RWAs	RWA density in %	EL	Credit risk adjustments
	7	65.00	5.00	71	74.24	0	
	1	65.00	5.00	32	91.62	0	
	–	65.00	5.00	19	115.28	0	
	–	–	–	–	–	–	
	6	65.00	5.00	287	215.93	1	
	–	65.00	5.00	15	288.69	0	
	1	65.00	5.00	16	365.50	0	
	1	65.00	5.00	0	437.50	0	
	<b>16</b>	<b>65.00</b>	<b>5.00</b>	<b>439</b>	<b>152.02</b>	<b>2</b>	<b>–</b>
	107	–	–	1,111	192.05	5	–
	17	–	–	70	250.00	–	–
	<b>240,991</b>	<b>41.26</b>	<b>2.65</b>	<b>41,185</b>	<b>29.50</b>	<b>451</b>	<b>315</b>

# Counterparty Credit Risk (CCR)

The counterparty credit risk exposure resulting from derivatives amounted to €12,998 m at 30 June 2019. This exposure is calculated using the mark-to-market method only.

EU CCR1 – Analysis of CCR exposure by approach (excluding exposures to CCPs)

in € m

	a	b	c	d	e	f	g
	Notional	Replacement cost/ current market value <sup>1)</sup>	Potential future credit exposure	Effective expected positive exposure (EEPE)	Multiplier	Exposure value	RWAs
1 Mark to market		10,188	2,072			11,568	1,339
2 Original exposure	–					–	–
3 Standardised method		–			–	–	–
4 Internal model method (for derivatives and SFTs)			–	–	–	–	–
5 Of which securities financing transactions (SFTs)			–	–	–	–	–
6 Of which derivatives and long settlement transactions			–	–	–	–	–
7 Of which from contractual cross-product netting			–	–	–	–	–
8 Financial collateral simple method (for SFTs)						–	–
9 Financial collateral comprehensive method (for SFTs)						–	–
10 VaR for SFTs						–	–
<b>11 Total</b>							<b>1,339</b>

<sup>1)</sup> Shown for positive fair values.

In the standardised approach, the distribution of the counterparty credit risk exposure after credit risk mitigation by exposure class and risk weight is as follows:

EU CCR3 – Standardised approach: CCR exposures by regulatory portfolio and risk (after credit risk mitigation)

in € m

	Exposure classes	Risk weighting						
		0 %	2 %	4 %	10 %	20 %	35 %	50 %
1	Central governments or central banks	–	–	–	–	–	–	–
2	Regional governments or local authorities	–	–	–	–	–	–	–
3	Public-sector entities	193	–	–	–	–	–	–
4	Multilateral development banks	–	–	–	–	–	–	–
5	International organisations	–	–	–	–	–	–	–
6	Institutions	2,087	1,444	–	–	1	–	27
7	Corporates	–	–	–	–	8	–	–
8	Retail	–	–	–	–	–	–	–
	Exposures secured by real estate	–	–	–	–	–	–	–
	Exposures in default	–	–	–	–	–	–	–
	Higher risk categories	–	–	–	–	–	–	–
	Covered bonds	–	–	–	–	–	–	–
9	Exposures to institutions and corporates with a short-term credit rating	–	–	–	–	–	–	–
	Collective investment undertakings (CIU)	–	–	–	–	–	–	–
	Equity exposures	–	–	–	–	–	–	–
10	Other exposures	–	–	–	–	–	–	–
<b>11</b>	<b>Total standardised approach exposure value after credit risk mitigation</b>	<b>2,280</b>	<b>1,444</b>	<b>–</b>	<b>–</b>	<b>9</b>	<b>–</b>	<b>27</b>

## EU CCR3 – Standardised approach: CCR exposures by regulatory portfolio and risk (after credit risk mitigation)

in € m

Exposure classes	Risk weighting						
	70 %	75 %	100 %	150 %	250 %	370 %	1.250 %
1 Central governments or central banks	-	-	-	-	-	-	-
2 Regional governments or local authorities	-	-	-	-	-	-	-
3 Public-sector entities	-	-	-	-	-	-	-
4 Multilateral development banks	-	-	-	-	-	-	-
5 International organisations	-	-	-	-	-	-	-
6 Institutions	-	-	-	-	-	-	-
7 Corporates	-	-	80	-	-	-	-
8 Retail	-	2	0	-	-	-	-
Exposures secured by real estate	-	-	-	-	-	-	-
Exposures in default	-	-	-	-	-	-	-
Higher risk categories	-	-	-	-	-	-	-
Covered bonds	-	-	-	-	-	-	-
9 Exposures to institutions and corporates with a short-term credit rating	-	-	-	-	-	-	-
Collective investment undertakings (CIU)	-	-	-	-	-	-	-
Equity exposures	-	-	-	-	-	-	-
10 Other exposures	-	-	-	-	-	-	-
<b>11 Total standardised approach exposure value after credit risk mitigation</b>	-	<b>2</b>	<b>80</b>	-	-	-	-

## EU CCR3 – Standardised approach: CCR exposures by regulatory portfolio and risk (after credit risk mitigation)

in € m

	<b>Exposure classes</b>	<b>Other</b>	<b>Deducted</b>	<b>Total</b>	<b>Of which unrated</b>
1	Central governments or central banks	–	–	–	–
2	Regional governments or local authorities	–	–	–	–
3	Public-sector entities	–	–	193	–
4	Multilateral development banks	–	–	–	–
5	International organisations	–	–	–	–
6	Institutions	–	–	3,559	1
7	Corporates	–	–	88	80
8	Retail	–	–	2	2
	Exposures secured by real estate	–	–	–	–
	Exposures in default	–	–	–	–
	Higher risk categories	–	–	–	–
	Covered bonds	–	–	–	–
9	Exposures to institutions and corporates with a short-term credit rating	–	–	–	–
	Collective investment undertakings (CIU)	–	–	–	–
	Equity exposures	–	–	–	–
10	Other exposures	0	–	0	–
<b>11</b>	<b>Total standardised approach exposure value after credit risk mitigation</b>	<b>0</b>	<b>–</b>	<b>3,842</b>	<b>83</b>

The distribution of counterparty credit risk exposure in the IRB approach by exposure class and PD band is as follows:

EU CCR4 – FIRB approach: CCR exposures by portfolio and PD scale

Exposure classes	PD band	a	b
		Exposure value	Average PD in %
Central governments or central banks	0.00 to <0.15	4,800	0.00
	0.15 to <0.25	–	–
	0.25 to <0.50	–	–
	0.50 to <0.75	–	–
	0.75 to <2.50	–	–
	2.50 to <10.00	–	–
	10.00 to <100.00	–	–
	100.00 (Default)	–	–
<b>Subtotal</b>		<b>4,800</b>	<b>0.00</b>
Institutions	0.00 to <0.15	1,109	0.06
	0.15 to <0.25	118	0.17
	0.25 to <0.50	–	–
	0.50 to <0.75	–	–
	0.75 to <2.50	–	–
	2.50 to <10.00	–	–
	10.00 to <100.00	–	–
	100.00 (Default)	–	–
<b>Subtotal</b>		<b>1,227</b>	<b>0.07</b>
Corporates – Specialised lending exposures	0.00 to <0.15	418	0.07
	0.15 to <0.25	78	0.17
	0.25 to <0.50	321	0.36
	0.50 to <0.75	165	0.59
	0.75 to <2.50	53	0.93
	2.50 to <10.00	2	2.96
	10.00 to <100.00	10	19.11
	100.00 (Default)	6	100.00
<b>Subtotal</b>		<b>1,052</b>	<b>1.05</b>
Corporates – SME	0.00 to <0.15	–	–
	0.15 to <0.25	1	0.17
	0.25 to <0.50	0	0.33
	0.50 to <0.75	–	–
	0.75 to <2.50	–	–
	2.50 to <10.00	–	–
	10.00 to <100.00	–	–
	100.00 (Default)	–	–
<b>Subtotal</b>		<b>1</b>	<b>0.24</b>

in € m

	c	d	e	f	g
	Number of obligors	Average LGD in %	Average maturity	RWAs	RWA density in %
	106	45.00	2.50	0	0.00
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	<b>106</b>	<b>45.00</b>	<b>2.50</b>	<b>0</b>	<b>0.00</b>
	62	45.00	2.50	249	22.48
	4	45.00	2.50	66	55.94
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	<b>66</b>	<b>45.00</b>	<b>2.50</b>	<b>315</b>	<b>25.69</b>
	97	44.02	2.50	107	25.56
	30	41.39	2.50	31	39.57
	85	44.68	2.50	201	62.62
	15	41.11	2.50	119	72.29
	20	44.65	2.50	50	94.03
	4	40.00	2.50	2	120.60
	2	45.00	2.50	24	249.38
	2	45.00	2.50	-	-
	<b>255</b>	<b>43.61</b>	<b>2.50</b>	<b>534</b>	<b>50.75</b>
	-	-	-	-	-
	2	45.00	2.50	0	34.07
	2	45.00	2.50	0	47.42
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	<b>4</b>	<b>45.00</b>	<b>2.50</b>	<b>0</b>	<b>39.49</b>

## EU CCR4 – FIRB approach: CCR exposures by portfolio and PD scale

Exposure classes	PD band	a	b
		Exposure value	Average PD in %
Corporates – Other	0.00 to <0.15	595	0.08
	0.15 to <0.25	65	0.17
	0.25 to <0.50	88	0.31
	0.50 to <0.75	62	0.59
	0.75 to <2.50	8	1.17
	2.50 to <10.00	4	3.14
	10.00 to <100.00	4	20.00
	100.00 (Default)	0	100.00
<b>Subtotal</b>		<b>827</b>	<b>0.29</b>
<b>IRBA equity exposures</b>	<b>Subtotal</b>	<b>–</b>	<b>–</b>
<b>Total</b>		<b>7,908</b>	<b>0.18</b>

## EU CCR4 – AIRB approach: CCR exposures by portfolio and PD scale

Exposure classes	PD band	a	b
		Exposure value	Average PD in %
<b>Central governments or central banks</b>	<b>Subtotal</b>	<b>–</b>	<b>–</b>
<b>Institutions</b>	0.00 to <0.15	215	0.08
	0.15 to <0.25	917	0.17
	0.25 to <0.50	–	–
	0.50 to <0.75	116	0.54
	0.75 to <2.50	–	–
	2.50 to <10.00	–	–
	10.00 to <100.00	–	–
	100.00 (Default)	–	–
<b>Subtotal</b>		<b>1,248</b>	<b>0.19</b>
<b>Corporates – Specialised lending exposures</b>	<b>Subtotal</b>	<b>–</b>	<b>–</b>
<b>Corporates – SME</b>	<b>Subtotal</b>	<b>–</b>	<b>–</b>
<b>Corporates – Other</b>	<b>Subtotal</b>	<b>–</b>	<b>–</b>
<b>Retail – Secured by real estate, SME</b>	<b>Subtotal</b>	<b>–</b>	<b>–</b>
<b>Retail – Secured by real estate, non-SME</b>	<b>Subtotal</b>	<b>–</b>	<b>–</b>
<b>Retail – Qualifying revolving</b>	<b>Subtotal</b>	<b>–</b>	<b>–</b>
<b>Retail – Other, SME</b>	<b>Subtotal</b>	<b>–</b>	<b>–</b>
<b>Retail – Other, non-SME</b>	<b>Subtotal</b>	<b>–</b>	<b>–</b>
<b>Total</b>		<b>1,248</b>	<b>0.19</b>



in € m

	c	d	e	f	g
	Number of obligors	Average LGD in %	Average maturity	RWAs	RWA density in %
	137	44.56	2.50	158	26.46
	35	45.00	2.50	30	45.61
	44	44.13	2.50	48	54.26
	9	45.00	2.50	49	79.13
	6	45.00	2.50	8	102.72
	4	45.00	2.50	5	137.64
	31	45.00	2.50	9	252.53
	1	45.00	2.50	-	-
	<b>267</b>	<b>44.59</b>	<b>2.50</b>	<b>307</b>	<b>37.15</b>
	-	-	-	-	-
	<b>698</b>	<b>44.77</b>	<b>2.50</b>	<b>1,157</b>	<b>14.63</b>

in € m

	c	d	e	f	g
	Number of obligors	Average LGD in %	Average maturity	RWAs	RWA density in %
	-	-	-	-	-
	13	15.55	11.90	31	14.54
	5	18.94	8.58	43	4.74
	-	-	-	-	-
	2	28.63	5.03	10	8.90
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	<b>20</b>	<b>19.26</b>	<b>8.82</b>	<b>85</b>	<b>6.82</b>
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	<b>20</b>	<b>19.26</b>	<b>8.82</b>	<b>85</b>	<b>6.82</b>

Helaba does use credit derivatives to protect counterparty credit risk exposures as part of its risk mitigation efforts, but such products account for only a small proportion of its overall collateral arrangements. There were no exposures collateralised with credit derivatives on the reporting date.

The following table shows exposures in the banking book that mitigate credit risk. As at 30 June 2019, there were no credit derivative transactions in connection with intermediation activities as specified in Article 439 h) CRR.

EU CCR6 – Overview of credit derivatives exposures

in € m

	a	b	c
	Credit derivative hedges		Other credit derivatives
Own portfolio	Protection bought	Protection sold	
<b>Notionals</b>			
Single-name credit default swaps (CDSs)	-	-	-
Index credit default swaps (CDSs)	-	-	-
Total return swaps	-	-	-
Credit options	-	-	-
Other credit derivatives	-	-	10,000
<b>Total notionals</b>	<b>-</b>	<b>-</b>	<b>10,000</b>
<b>Fair values</b>			
<b>Positive fair value (asset)</b>	<b>-</b>	<b>-</b>	<b>0</b>
<b>Negative fair value (liability)</b>	<b>-</b>	<b>-</b>	<b>0</b>

The following table shows Helaba's exposures to central counterparties (CCPs).

EU CCR8 – Exposures to CCPs

in € m

	a	b
	Exposure value	RWAs
<b>1 Exposures to qualified CCPs (total)</b>		<b>116</b>
2 Exposures for trades with qualified CCPs (excluding initial margin and default fund contributions), of which	729	15
3 (i) OTC derivatives	714	14
4 (ii) Exchange-traded derivatives	15	0
5 (iii) Securities financing transactions (SFTs)	–	–
6 (iv) Contractual cross-product netting	–	–
7 Insolvency-protected (segregated) initial margin	–	
8 Not insolvency-protected (not segregated) initial margin	701	14
9 Prefunded default fund contributions <sup>1)</sup>	79	88
10 Alternative calculation of own funds requirements for exposures <sup>2)</sup>		–
<b>11 Exposures to non-qualified CCPs (total)</b>		<b>–</b>
12 Exposures for trades with non-qualified CCPs (excluding initial margin and default fund contributions), of which	–	–
13 (i) OTC derivatives	–	–
14 (ii) Exchange-traded derivatives	–	–
15 (iii) Securities financing transactions (SFTs)	–	–
16 (iv) Contractual cross-product netting	–	–
17 Insolvency-protected (segregated) initial margin	–	
18 Not insolvency-protected (not segregated) initial margin	–	–
19 Prefunded default fund contributions	–	–
20 Unfunded default fund contributions	–	–

<sup>1)</sup> The prefunded default fund contribution was backed by own funds in accordance with Article 308 CRR.

<sup>2)</sup> Application of Article 310 CRR.

The net exposure is calculated daily for each individual counterparty and compared with the accepted value of the collateral provided. Collateral netting is conducted taking into account the exemptions and minimum transfer amounts that have been contractually defined subject to the creditworthiness of the counterparty. Exposures are protected with cash collateral. The relevant collateral amounts are calculated automatically in an

application system that obtains the contract parameters from a contract database and the necessary market values directly from the trading system in which they are maintained.

Processes and procedures are detailed in full in a Collateral Policy. The Helaba Best Practice contains the standard clauses approved at Helaba for collateral agreements (eligible collateral, haircuts, etc.).

## EU CCR5-A – Impact of netting and collateral held on exposure values

in € m

	a	b	c	d	e
	Positive fair value before netting	Effects of netting	Positive fair value after netting	Collateral held	Positive fair value after netting and collateral held (net credit exposure)
1 Derivatives and long settlement transactions	24,935	14,617	10,318	4,226	6,093
2 Securities financing transactions	51	41	10	–	10
3 Contractual cross-product netting	–	–	–	–	–
<b>4 Total</b>	<b>24,986</b>	<b>14,658</b>	<b>10,329</b>	<b>4,226</b>	<b>6,103</b>

## EU CCR5-B – Composition of collateral for exposures to CCR

in € m

	a	b	c	d	e	f
	Collateral used in derivatives and long settlement transactions				Collateral used in SFTs	
	Fair value of collateral received		Fair value of posted collateral <sup>1)</sup>		Fair value of collateral received	Fair value of posted collateral
	Insolvency-protected	Not insolvency-protected	Insolvency-protected	Not insolvency-protected		
Cash contribution in €	2,645	1,519	–	8,564	–	–
Cash contribution in other currencies	63	–	–	–	–	–
Debt securities, central governments, Germany	–	–	–	229	–	–
Debt securities, central governments, other countries	–	–	–	471	–	–
Debt securities, central governments, other public authorities	–	–	–	–	–	–
Debt securities, corporates	–	–	–	–	–	–
Equity securities, corporates	–	–	–	–	–	–
Other	–	–	–	–	–	–
<b>Total</b>	<b>2,708</b>	<b>1,519</b>	<b>–</b>	<b>9,264</b>	<b>–</b>	<b>–</b>

<sup>1)</sup>The furnished collateral is offset against the associated negative fair values of derivatives and the remaining amount is backed by own funds.

Own funds requirements for credit valuation adjustment (CVA) risk are calculated in accordance with Article 381 CRR. This article defines credit valuation adjustment as an adjustment to the mid-market valuation of the portfolio of transactions with a

counterparty. This adjustment reflects the current market value of the credit risk of the counterparty to the institution, but does not reflect the current market value of the credit risk of the institution to the counterparty.

EU CCR2 – CVA capital charge

in €m

		<b>a</b>	<b>b</b>
		<b>Exposure value</b>	<b>RWAs</b>
1	CVA risk subject to the advanced method	–	–
2	(i) VaR component (including the multiplier)	–	–
3	(ii) sVaR component (including the multiplier)	–	–
4	CVA risk subject to the standardised method	1,236	772
EU4	CVA risk based on the original exposure method	–	–
5	<b>Total CVA risk</b>	<b>1,236</b>	<b>772</b>

# Market Risk

## Standardised Method

Although the Helaba Group uses the internal model to calculate the regulatory own funds requirements for general interest rate risk, it relies on the standardised method to calculate the RWAs and the own funds requirements for its other market risks in the trading book.

EU MR1 – Market risk in accordance with the standardised method

in € m

		a	b
		RWAs	Own funds requirement
Simple products			
1	Interest rate risk (general and specific)	1,080	86
2	Equity risk (general and specific)	9	1
3	Currency risk	295	24
4	Commodity risk	0	0
Options			
5	Simplified approach	–	–
6	Delta-plus method	–	–
7	Scenario approach	8	1
8	Securitisation (specific risk)	–	–
<b>9</b>	<b>Total</b>	<b>1,392</b>	<b>111</b>

## Internal Model

All market risks are quantified every day using a money-at-risk (MaR) method backed up by stress tests and sensitivity analyses. The MaR specifies what is deemed, with a certain confidence level, to be the upper threshold of the potential loss of a portfolio or position due to market fluctuations within a prescribed holding period.

Helaba calculates the regulatory own funds required for the general interest rate risk using an internal model in accordance with the CRR for Helaba Bank. This model, which consists of the risk measurement systems MaRC<sup>2</sup> (linear interest rate risk) and ELLI (interest rate option risk), has been approved by the banking supervisor.

## EU MR2-A – Market risk in internal models approach

in € m

	<b>a</b>	<b>b</b>
	<b>RWAs</b>	<b>Own funds requirement</b>
<b>1 VaR</b> (the higher of a) and b))	<b>749</b>	<b>60</b>
a) Previous day's VaR (Article 365 (1) CRR (VaRt-1))		15
b) Average of the daily VaR on each of the preceding 60 business days (Article 365 (1) CRR) (VaRavg) x multiplication factor (mc) in accordance with Article 366 CRR		60
<b>2 sVaR</b> (the higher of a) and b))	<b>1,018</b>	<b>81</b>
a) Latest sVaR (Article 365 (2) CRR (sVaRt-1))		21
b) Average of the daily sVaR on each of the preceding 60 business days (Article 365 (2) CRR) (sVaRavg) x multiplication factor (ms) in accordance with Article 366 CRR		81
<b>3 Incremental risk charge – IRC</b> (the higher of a) and b))	–	–
a) Most recent IRC value (additional default and migration risks, calculated in accordance with Articles 370 and 371 CRR)		–
b) Average of the IRC value over the preceding 12 weeks		–
<b>4 Comprehensive risk measure</b> (higher of values a, b and c)	–	–
a) Most recent risk measure number for the correlation trading portfolio (Article 377 CRR)		–
b) Average of the risk measure number for the correlation trading portfolio over the preceding 12 weeks		–
c) 8 % of the own funds requirement in the standardised approach for the most recent risk measure number for the correlation trading portfolio (Article 338 (4) CRR)		–
<b>5 Other</b>	–	–
<b>6 Total</b>	<b>1,767</b>	<b>141</b>

The changes in RWAs under the internal model between 30 June 2019 and 31 March 2019 are presented below.

EU MR2-B – Market risk under the IMA

in € m

	a	b	c	d	e	f	g
	VaR	sVaR	IRC	Internal model for correlation trading activities	Other	RWAs	Own funds requirement
<b>1 RWAs at previous quarter-end</b>	<b>854</b>	<b>1,208</b>	–	–	–	<b>2,062</b>	<b>165</b>
1a Regulatory adjustments <sup>1)</sup>	580	830	–	–	–	1,410	113
1b RWAs at previous quarter-end (end of the day)	274	378	–	–	–	652	52
2 Movement in risk levels	–73	–86	–	–	–	–159	–13
3 Model updates / changes	–	–	–	–	–	–	–
4 Methodology and policy changes	–	–	–	–	–	–	–
5 Acquisitions and disposals	–	–	–	–	–	–	–
6 Foreign exchange movements	0	0	–	–	–	0	0
7 Other	–12	–35	–	–	–	–47	–4
8a RWAs at current quarter-end (end of the day)	189	257	–	–	–	447	36
8b Regulatory adjustments <sup>1)</sup>	560	761	–	–	–	1,321	106
<b>8 RWAs at the end of the current quarter</b>	<b>749</b>	<b>1,018</b>	–	–	–	<b>1,767</b>	<b>141</b>

<sup>1)</sup> Shows the difference between previous quarter RWAs and previous quarter RWAs (end of day), and current RWAs and current RWAs (end of day).

The changes in RWAs compared with the previous quarter are mainly attributable to changes in exposures in normal trading activities and to other effects. The other effects include changes attributable to movements in market interest rates, which decreased during the second quarter of 2019, regular monthly updates of the statistical parameters for the MaR as well as a switch in the periods used for the crisis scenario in the stressed MaR.

The linear interest rate risk is measured on the basis of a variance-covariance approach, while the interest rate option risk is calculated using a Monte Carlo simulation. Country- and rating-dependent government, financials and corporate yield curves are also used alongside swap and Pfandbrief curves for evaluation purposes in the context of linear risk measurement. Both risk measurement systems are based on the same statis-

tical parametrisation laid down by the banking supervisor (one-tailed confidence level of 99 %, holding period of ten trading days, historical observation period of one year), which is used for both regulatory purposes and internal management. Historically observed values (with equal weightings) are factored into the calculation of the statistical parameters, which are updated monthly. A mixed approach comprising relative and absolute changes is used to model the risk factors. The ten-day MaR is calculated directly, i.e. without applying any scaling. Helaba also uses the same methodology to determine a stressed MaR (money-at-risk in a crisis scenario). The stressed MaR reflects the risk from the present exposure using risk parameters (volatilities, correlations) from the most significant one-year stress period in the past – currently those from the crisis in the eurozone in 2012. The table below shows the trading book interest rate risks for Helaba Bank for the first half of financial year 2019.



## EU MR3 – IMA values for trading portfolios

		<b>a</b>
<b>VaR (10 day 99 %)</b>		
1	Maximum value	22.8
2	Average value	20.0
3	Minimum value	15.1
4	Value on reporting date	15.1
<b>Stressed VaR, sVaR (10 day 99 %)</b>		
5	Maximum value	31.9
6	Average value	28.1
7	Minimum value	20.6
8	Value on reporting date	20.6
<b>Incremental risk charge, IRC (99.9 %)</b>		
9	Maximum value	–
10	Average value	–
11	Minimum value	–
12	Value on reporting date	–
<b>Internal model for correlation trading activities</b>		
13	Maximum value	–
14	Average value	–
15	Minimum value	–
16	Value on reporting date	–

The decline in the MaR as at 30 June 2019 compared with the figure as at the end of 2018 is attributable to changes in exposures during normal trading activities and to the regular updating of the risk parameters. The change in the stressed MaR during the first half of 2019 is mainly attributable to changes in exposures and lower interest rates.

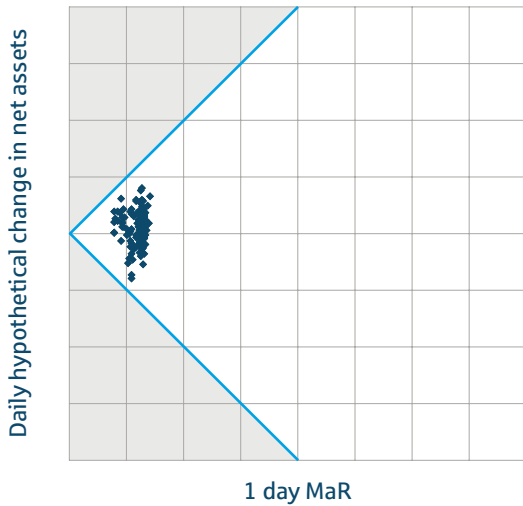
### Back-testing and validation

Clean and dirty back-testing is carried out daily to review the predictive quality of the risk models. The data used in these procedures is verified to ensure it is of the requisite quality. The procedures involve determining the MaR figure for a holding period of one trading day with a one-tailed confidence level of 99 % and a historical observation period of one year. This forecast risk amount is then compared against the hypothetical (clean) and actual (dirty) change in net assets. The hypothetical

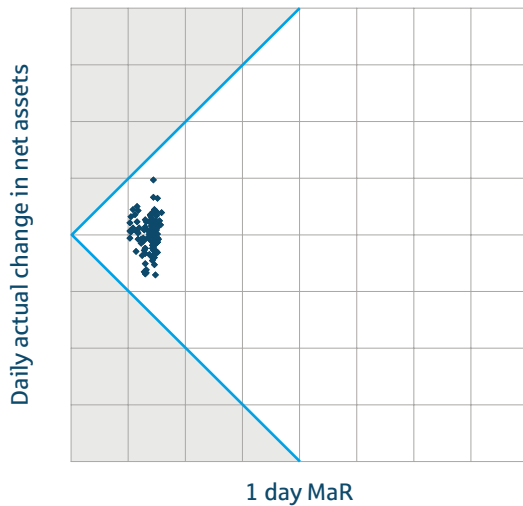
change in net assets represents the change in the value of the portfolio over one trading day for an unchanged position and on the basis of new market prices. This figure only takes into account valuation-related effects that can be attributed to interest rate risk. The actual change in value also takes into account effects from portfolio changes and valuation effects not attributable to interest rate risk. Any case in which the decrease in the net value of the trading book exceeds the potential risk figure constitutes a back-testing outlier.

The regulatory back-testing of Helaba's internal model for general interest rate risk, which consists of the model components MaRC<sup>2</sup> and ELLI, produced no negative outliers in the first half of 2019. The following charts show the results from clean and dirty back-testing for the entire internal model approved by the banking supervisor (figures in € m).

EU MR4 – Clean back-testing of the internal model



EU MR4 – Dirty back-testing of the internal model



The appropriateness of the internal market risk model is continuously reviewed during the course of regular operations and also annually in a comprehensive model validation process. Ad hoc validations are additionally carried out, if required. The annual and any ad hoc model validations are the responsibility of an independent unit that is separate from model development. The validations comprise qualitative and quantitative analyses of key aspects of the model. These procedures include analyses of the data, parameters and key assumptions used in the model. Changes to models resulting from the model validation process are implemented in accordance with a model change policy that has been submitted to the banking supervisor. The main findings from the model validation process are reported to the Risk Committee.

**Stress tests**

A proper analysis of the effects of extraordinary but not unrealistic market situations requires the use of stress tests in addition to the daily risk measurement routine. Various portfolios are remeasured regularly under the assumption of extreme market scenarios. Unless specific banking regulatory provisions apply, the portfolios selected for stress testing and the frequency of the stress tests depend on the level of exposure (materiality) and the existence of any risk concentrations. Stress tests are carried out daily on Helaba's options book.

The results of the stress tests are included in market risk reporting to the Board of Managing Directors and are taken into consideration in the limit allocation process. Methods available for use in stress testing include historical simulation, Monte Carlo simulation, a modified variance-covariance approach and a variety of scenario calculations – including those based on the main components of the correlation matrix. Helaba also performs stress tests to simulate extreme spread changes. The stress tests for market risks are supplemented by inverse stress tests and stress tests across risk types conducted in the course of Helaba's calculation of risk-bearing capacity.

### Measurement of trading book exposures

When selecting the measurement method for financial instruments, the Helaba Group distinguishes between those financial instruments that can be measured directly using prices quoted in an active market and those measured using standard valuation techniques. In this process, of all the markets to which Helaba has access, the market with the highest level of activity is generally assumed to be the relevant market (primary market). If no primary market can be determined for individual financial instruments, the most favourable market is selected.

The fair value of financial instruments listed in active markets is determined on the basis of quoted prices. A market is deemed to be active if, for relevant or similar financial instruments, there are market prices that satisfy minimum requirements, particularly in relation to price spread and trading volume. The minimum requirements are specified by Helaba and subject to a regular review.

In the case of financial instruments for which there are no prices on an active market on the reference date or in respect of which no prices for comparable financial instruments on active markets can be determined, the fair value is determined using generally accepted standard valuation techniques. The financial instruments are measured on the basis of the cash flow structure, taking into account estimated future cash flows, discount rates and volatility. These approaches use modelling techniques such as the discounted cash flow method or established option pricing models. Models with greater differentiation that use more detailed inputs such as correlations are used for more complex financial instruments.

The inputs for the models are usually observable in the market. If no market information is available for the required model inputs, these are derived from other relevant information sources, such as prices for similar transactions or historical data.

Adjustments may be required in some cases, and these adjustments form an additional part of the measurement process. Depending on the complexity of the financial instrument involved, the use of a model to measure a financial instrument could involve some uncertainty in the selection of a suitable model, for example regarding the numeric implementation or the parametrisation/calibration of the model. When measuring a financial instrument using fair value principles, this uncertainty is taken into account by applying model adjustments, which can be subdivided into deficiency adjustments and complexity adjustments.

The purpose of a deficiency adjustment is to reflect model-related measurement uncertainty. Model uncertainty arises if a financial instrument is measured using a model that is uncommon (or no longer common) or if there is a lack of clarity caused by an inadequate calibration process or by the technical implementation. Complexity adjustments are taken into account if there is no market consensus regarding the model to be used or the parametrisation for the model cannot be clearly derived from the market data. The problems in such cases are referred to as model risk. The measurement markdowns resulting from the various adjustments are taken into account in the form of a model reserve.

Generally speaking, derivatives are currently measured in front-office systems on a risk-free basis. In other words, it is specifically assumed that the counterparties involved will remain in place until the contractual maturity of the outstanding transactions. The CVA reflects the imputed loss risk to which Helaba believes it is exposed in respect of its counterparty, based on a positive fair value from Helaba's perspective. If the counterparty were to default, it would only be possible to recover a fraction of the fair value of the outstanding transactions in any insolvency or liquidation process (recovery rate). The exposure over time is estimated using a Monte Carlo simulation. A debit value adjustment (DVA) mirrors the CVA and is defined as that imputed part of a negative fair value (from Helaba's perspective) that would be lost if the counterparty were to default. The CVA and DVA amounts are taken into account in the form of a measurement adjustment.

A funding valuation adjustment (FVA) is necessary to ensure that the measurement of derivative financial instruments takes into account the funding costs implied by the market. Funding costs are incurred in connection with the replicated hedging of unsecured customer derivatives with secured hedging derivatives in the interbank market. Whereas the volume to be funded is derived from an exposure simulation, the funding rates are set in line with the Euro Interbank Offered Rate (Euribor). Similar to a CVA/DVA, there are two types of FVA. A funding benefit adjustment (FBA) is applied in the case of a negative exposure, and a funding cost adjustment (FCA) for a positive exposure.

The inclusion of adjustments takes into account the requirements for prudent valuation.

The valuation process is subject to continuous validation and control. In the trading business, part of the process of measuring exposures independently of the trading activity is to ensure that the methods, techniques and models used for the measurement are appropriate. New measurement models are generally subject to comprehensive initial validation before they are used for the first time. The models are then regularly reviewed depending on materiality, the extent to which they are established in the market and on the complexity of the model in question. Ad hoc reviews are also carried out if, for example, significant changes are made to the model. A process of independent verification is carried out to ensure that the inputs used for measuring the financial instruments are in line with the market. Risk Controlling is responsible for this process, which is referred to as independent price verification.

Articles 104 and 105 CRR are taken into account in the measurement of trading book positions.

### Risk containment

Helaba manages market risks for the trading book and the banking book as part of its overall bank management. Clearly defined responsibilities and business processes that also encompass exposures in the trading book create the foundations for effectively limiting and managing those exposures. The subsidiaries are integrated into the containment process as part of Group-wide risk management according to a graduated system based on the risk inventory process in line with the specific business activities involved. Attention in this area focuses principally on subsidiaries FSP and Frankfurter Bankgesellschaft (Schweiz) AG. Market risks are quantified using Helaba's own methods.

Trading activities focus for strategic purposes on customer-driven business, which is supported by a demand-led product range. Responsibility for containing trading book exposures rests with the Capital Markets unit, while the Asset/Liability Management unit has responsibility for funding and for the management of the interest rate and liquidity risks in the banking book. The own issues repurchase portfolio belonging to the trading book also falls under the jurisdiction of the Asset/Liability Management unit. Risk containment is generally performed using portfolio-specific macrohedges supplemented with microhedges (back-to-back, for example for hedging complex, structured products). All trading book activities giving rise to a general interest rate risk are included in the internal model in accordance with the CRR using the MaR and stressed MaR figures. The liquidity of exposures is assessed by monitoring the holding period for securities and by analysing market activity relevant to trading book exposures (see section on measuring trading book exposures).

### Limitation of market risks

Helaba employs a uniform limit structure to limit market risks. The process through which limits are allocated, and specifically the procedure for setting the limits for risk-bearing capacity, involves the Risk and Credit Committee of the Supervisory Board as well as the Bank's internal committees.

Acting through the Asset/Liability Management Committee, the Board of Managing Directors allocates limits to the risk-relevant divisions and to the various types of market risk within the scope of the overall limit for market risk. In addition separate limits are defined for the trading book and the banking book. Responsibility for the onward allocation of limits to Helaba's subordinate organisational units and its various sites rests with the divisions to which a limit has been assigned. Stop-loss limits and volume limits are also used independently in the trading units to limit market risk.

### Risk monitoring

The Risk Controlling unit is responsible for identifying, quantifying and monitoring market risks. This responsibility includes checking transactions for market conformity and determining

the economic profit or loss as well as risk quantification. In addition, the reconciliation statement with external Accounting is prepared.

Continuous functional and technical development of the methods and systems used and intensive data entry play a key role in ensuring that Helaba's market risks are recorded properly. A special process owned by the New Products Committee has to be completed whenever a new product is introduced. New products must be incorporated correctly into the required systems for position recording, processing, profit or loss determination, risk quantification, accounting and reporting before they can gain authorisation.

A comprehensive reporting regime ensures that the relevant members of the Board of Managing Directors and the position-keeping units are notified daily of the risk figures calculated and the economic profit and loss generated on the basis of current market prices. Information about the current risk and earnings situation is in addition provided weekly to the entire Board of Managing Directors and the Asset/Liability Management Committee and monthly to the Risk Committee. Any breach of a defined limit triggers the escalation process to limit and reduce the associated risks.

# Annex

## Key Features of the Capital Instruments

This overview (“Key features of the capital instruments”) has been prepared by Landesbank Hessen-Thüringen Girozentrale solely for the purpose of compliance with the disclosure requirements set out in “COMMISSION IMPLEMENTING REGULATION (EU) No 1423/2013 of 20 December 2013 laying down implementing technical standards with regard to disclosure of own funds requirements for institutions according to Regulation (EU) No 575/2013 of the European Parliament and of the Council”.

The publication of this specific data constitutes neither an offer nor a recommendation to purchase securities or other instruments.

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Key features of the capital instruments		Instrument 1	Instrument 2	Instrument 3
1	Issuer	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
2	Unique identifier (e.g. CUSIP, ISIN or Bloomberg identifier for private placement)	n.a.	n.a.	Bilateral agreement with no third-party reference
3	Law applicable to the instrument	German law	German law	German law
<b>Regulatory treatment</b>				
4	CRR transitional provisions: Instrument category <sup>1)</sup>	Common Equity Tier 1	Common Equity Tier 1	Additional Tier 1
5	Post-transitional CRR rules	Common Equity Tier 1	Common Equity Tier 1	Additional Tier 1
6	Eligible at solo / group / group & solo levels	Group & solo	Group & solo	Group & solo
7	Instrument type	Share capital (amount excluding capital reserves)	Capital reserves	Subordinated AT1 bond
8	Amount eligible as regulatory own funds (in € m, as at most recent reporting date)	589	1,920	329
	Par value of instrument (issue currency, in m)	589	1,920	349
	Issue currency	EUR	EUR	EUR
9	Par value of instrument (EUR equivalent, in € m)	589	1,920	349
9a	Issue price	n.a.	n.a.	100.00 %
9b	Redemption price	n.a.	n.a.	n.a.
10	Accounting classification	Paid-up share capital	Paid-up share capital	Regulatory Additional Tier 1 instruments
11	Original issue date	01.07.1992/01.01.2001/ 01.07.2012	30.12.1998/06.12.2011/ 09.12.2011	19.12.18
12	Perpetual or dated	Perpetual	Perpetual	Perpetual
13	Original maturity date	No maturity	No maturity	No maturity
14	Issuer call subject to prior supervisory approval	No	No	Yes
15	Optional call date and redemption amount	n.a.	n.a.	19.12.2028/100.0%
16	Subsequent call dates, if applicable	n.a.	n.a.	19.12. every 10 yrs. min. 30-day notice period
<b>Coupons / dividends</b>				
17	Fixed or floating dividend / coupon	n.a.	n.a.	Floating
18	Coupon rate and any related index	n.a.	n.a.	3.8610 % / ICE 10-year Euro mid-swap rate
19	Existence of a dividend stopper	No	No	No
20a	Fully discretionary, partially discretionary or mandatory (in terms of timing)	Fully discretionary	Fully discretionary	Fully discretionary
20b	Fully discretionary, partially discretionary or mandatory (in terms of amount)	Fully discretionary	Fully discretionary	Fully discretionary
21	Existence of a step up or other incentive to redeem	No	No	No
22	Non-cumulative or cumulative	Non-cumulative	Non-cumulative	Non-cumulative
23	Convertible or non-convertible	Non-convertible	Non-convertible	Non-convertible
24	If convertible, conversion trigger(s)	n.a.	n.a.	n.a.
25	If convertible, fully or partially	n.a.	n.a.	n.a.
26	If convertible, conversion rate	n.a.	n.a.	n.a.
27	If convertible, mandatory or optional conversion	n.a.	n.a.	n.a.
28	If convertible, specify instrument type convertible into	n.a.	n.a.	n.a.
29	If convertible, specify issuer of instrument it converts into	n.a.	n.a.	n.a.
30	Write-down features	n.a.	n.a.	Yes
31	If write-down, write-down trigger(s)	Absorption of share of loss as CET1 instrument	Absorption of share of loss as CET1 instrument	Minimum CET1 capital ratio (5.125 %)
32	If write-down, full or partial	Full or partial	Full or partial	Full or partial
33	If write-down, permanent / temporary / n.a.	Absorption of share of loss as CET1 instrument	Absorption of share of loss as CET1 instrument	Temporary
34	If temporary write-down, description of write-up mechanism	n.a.	n.a.	Write-up from net income from year (in proportion to and ranked pari passu with other instruments of the same class)
35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument)	Ranks ahead of all others in absorption of share of loss	Ranks ahead of all others in absorption of share of loss	Ranks behind subordinated liabilities (i.e. satisfied after all creditors)
36	Non-compliant transitioned features	No	No	No
37	If yes, specify non-compliant features	n.a.	n.a.	n.a.

<sup>1)</sup>No portions of an issue have been reclassified to a lower level.

Key features of the capital instruments		Instrument 4	Instrument 5	Instrument 6
1	Issuer	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen via Main Capital Funding Limited Partnership
2	Unique identifier (e.g. CUSIP, ISIN or Bloomberg identifier for private placement)	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	DE000A0E4657
3	Law applicable to the instrument	German law	German law	German law
<b>Regulatory treatment</b>				
4	CRR transitional provisions: Instrument category <sup>1)</sup>	Additional Tier 1	Additional Tier 1	Additional Tier 1
5	Post-transitional CRR rules	Additional Tier 1	Tier 2	Ineligible
6	Eligible at solo/group/group & solo levels	Group & solo	Group & solo	Group & solo
7	Instrument type	Subordinated AT1 bond	Silent participation	Silent participation – packaged in bearer bond –
8	Amount eligible as regulatory own funds (in € m, as at most recent reporting date)	25	18	250
	Par value of instrument (issue currency, in m)	25	18	250
	Issue currency	EUR	EUR	EUR
9	Par value of instrument (EUR equivalent, in € m)	25	18	250
9a	Issue price	100.00 %	100.00 %	100.00 %
9b	Redemption price	n.a.	n.a.	n.a.
10	Accounting classification	Regulatory Additional Tier 1 instruments	Liability – amortised cost	Liability – amortised cost
11	Original issue date	19.12.18	14.12.01	02.06.05
12	Perpetual or dated	Perpetual	Perpetual	Perpetual
13	Original maturity date	No maturity	No maturity	No maturity
14	Issuer call subject to prior supervisory approval	Yes	Yes	Yes
15	Optional call date and redemption amount	19.12.2028/100.0%	31.12.2024/Carrying amount as at call date (repayment after financial statements adopted)	31.12.2021/Nominal amount
16	Subsequent call dates, if applicable	19.12. every 10 yrs. min. 30-day notice period	31.12. every 10 yrs. 2-yr. notice period	31.12. each yr. 2-yr. notice period only if carrying amount=nom. amount
<b>Coupons / dividends</b>				
17	Fixed or floating dividend / coupon	Floating	Floating	Fixed
18	Coupon rate and any related index	3.8610 % / ICE 10-year Euro mid-swap rate	2.4990 % / EUR swap interest rate	5.5000 %
19	Existence of a dividend stopper	No	No	No
20a	Fully discretionary, partially discretionary or mandatory (in terms of timing)	Fully discretionary	Partially discretionary	Partially discretionary
20b	Fully discretionary, partially discretionary or mandatory (in terms of amount)	Fully discretionary	Mandatory	Mandatory
21	Existence of a step up or other incentive to redeem	No	No	No
22	Non-cumulative or cumulative	Non-cumulative	Non-cumulative	Non-cumulative
23	Convertible or non-convertible	Non-convertible	Non-convertible	Non-convertible
24	If convertible, conversion trigger(s)	n.a.	n.a.	n.a.
25	If convertible, fully or partially	n.a.	n.a.	n.a.
26	If convertible, conversion rate	n.a.	n.a.	n.a.
27	If convertible, mandatory or optional conversion	n.a.	n.a.	n.a.
28	If convertible, specify instrument type convertible into	n.a.	n.a.	n.a.
29	If convertible, specify issuer of instrument it converts into	n.a.	n.a.	n.a.
30	Write-down features	Yes	Yes	Yes
31	If write-down, write-down trigger(s)	Minimum CET1 capital ratio (5.125 %)	Net loss for the year	Indirect – net loss for the year
32	If write-down, full or partial	Full or partial	Full or partial	Full or partial
33	If write-down, permanent/temporary/ n.a.	Temporary	Temporary	Temporary
34	If temporary write-down, description of write-up mechanism	Write-up from net income from year (in proportion to and ranked pari passu with other instruments of the same class)	Write-up from net income from year (in proportion to the other instruments concerned of the same class)	Indirect – write-up from net income from year (in proportion to the other instruments concerned of the same class)
35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument)	Ranks behind subordinated liabilities (i.e. satisfied after all creditors)	Ranks behind subordinated liabilities (i.e. satisfied after all creditors)	Ranks behind subordinated liabilities (i.e. satisfied after all creditors)
36	Non-compliant transitioned features	No	Yes	Yes
37	If yes, specify non-compliant features	n.a.	See feature 20a	See feature 20a

<sup>1)</sup>No portions of an issue have been reclassified to a lower level.



Instrument 7	Instrument 8	Instrument 9	Instrument 10	Instrument 11
Landesbank Hessen-Thüringen via Main Capital Funding II Limited Partnership	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
DE000A0G18M4	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
German law	German law	German law	German law	German law
Additional Tier 1	Tier 2	Tier 2	Tier 2	Tier 2
Ineligible	Tier 2	Tier 2	Tier 2	Tier 2
Group & solo	Group & solo	Group & solo	Group & solo	Group & solo
Silent participation – packaged in bearer bond –	Profit participation rights without certificate	Profit participation rights without certificate	Profit participation rights without certificate	Profit participation rights without certificate
250	10	5	15	1
250	20	10	30	1
EUR	EUR	EUR	EUR	EUR
250	20	10	30	1
100.00%	100.00%	100.00%	100.00%	100.00%
n.a.	n.a.	n.a.	n.a.	n.a.
Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
01.12.06	12.05.06	29.05.06	01.06.06	12.06.06
Perpetual	Dated	Dated	Dated	Dated
No maturity	31.12.21	31.12.21	31.12.21	31.12.21
Yes	Yes	Yes	Yes	Yes
31.12.2021/Nominal amount	n.a.	n.a.	n.a.	n.a.
31.12. each yr. 2-yr. notice period only if carrying amount=nom. amount	n.a.	n.a.	n.a.	n.a.
Fixed	Fixed	Fixed	Fixed	Fixed
5.7500%	5.3000%	5.1225%	5.1750%	5.2100%
No	No	No	No	No
Partially discretionary	Partially discretionary	Partially discretionary	Partially discretionary	Partially discretionary
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
No	No	No	No	No
Non-cumulative	Cumulative	Cumulative	Cumulative	Cumulative
Non-convertible	Non-convertible	Non-convertible	Non-convertible	Non-convertible
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Yes	Yes	Yes	Yes	Yes
Indirect – net loss for the year	Net accumulated loss	Net accumulated loss	Net accumulated loss	Net accumulated loss
Full or partial	Full or partial	Full or partial	Full or partial	Full or partial
Temporary	Temporary	Temporary	Temporary	Temporary
Indirect – write-up from net income from year (in proportion to the other instruments concerned of the same class)	Write-up from net income from year (in proportion to the other instruments concerned of the same class)	Write-up from net income from year (in proportion to the other instruments concerned of the same class)	Write-up from net income from year (in proportion to the other instruments concerned of the same class)	Write-up from net income from year (in proportion to the other instruments concerned of the same class)
Ranks behind subordinated liabilities (i.e. satisfied after all creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
Yes	No	No	No	No
See feature 20a	n.a.	n.a.	n.a.	n.a.

Key features of the capital instruments		Instrument 12	Instrument 13	Instrument 14
1	Issuer	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
2	Unique identifier (e.g. CUSIP, ISIN or Bloomberg identifier for private placement)	DE000HLB88G7	Bilateral agreement with no third-party reference	XS0128218327
3	Law applicable to the instrument	German law	German law	German law
<b>Regulatory treatment</b>				
4	CRR transitional provisions: Instrument category <sup>1)</sup>	Tier 2	Tier 2	Tier 2
5	Post-transitional CRR rules	Tier 2	Tier 2	Tier 2
6	Eligible at solo / group / group & solo levels	Group & solo	Group & solo	Group & solo
7	Instrument type	Profit-participation certificate	Subordinated loan	Subordinated bond
8	Amount eligible as regulatory own funds (in € m, as at most recent reporting date)	10	6	52
	Par value of instrument (issue currency, in m)	20	10	52
	Issue currency	EUR	EUR	EUR
9	Par value of instrument (EUR equivalent, in € m)	20	10	52
9a	Issue price	100.00 %	100.00 %	99.79 %
9b	Redemption price	n.a.	100.00 %	100.00 %
10	Accounting classification	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
11	Original issue date	12.06.06	19.09.06	23.04.01
12	Perpetual or dated	Dated	Dated	Dated
13	Original maturity date	31.12.21	19.09.22	23.04.41
14	Issuer call subject to prior supervisory approval	Yes	No	Yes
15	Optional call date and redemption amount	n.a.	n.a.	n.a.
16	Subsequent call dates, if applicable	n.a.	n.a.	n.a.
<b>Coupons / dividends</b>				
17	Fixed or floating dividend / coupon	Fixed	Fixed	Floating
18	Coupon rate and any related index	5.2200 %	4.4425 %	0.1062 % / Euribor
19	Existence of a dividend stopper	No	No	No
20a	Fully discretionary, partially discretionary or mandatory (in terms of timing)	Partially discretionary	Mandatory	Mandatory
20b	Fully discretionary, partially discretionary or mandatory (in terms of amount)	Mandatory	Mandatory	Mandatory
21	Existence of a step up or other incentive to redeem	No	No	No
22	Non-cumulative or cumulative	Cumulative	Non-cumulative	Non-cumulative
23	Convertible or non-convertible	Non-convertible	Non-convertible	Non-convertible
24	If convertible, conversion trigger(s)	n.a.	n.a.	n.a.
25	If convertible, fully or partially	n.a.	n.a.	n.a.
26	If convertible, conversion rate	n.a.	n.a.	n.a.
27	If convertible, mandatory or optional conversion	n.a.	n.a.	n.a.
28	If convertible, specify instrument type convertible into	n.a.	n.a.	n.a.
29	If convertible, specify issuer of instrument it converts into	n.a.	n.a.	n.a.
30	Write-down features	Yes	No	No
31	If write-down, write-down trigger(s)	Net accumulated loss	n.a.	n.a.
32	If write-down, full or partial	Full or partial	n.a.	n.a.
33	If write-down, permanent / temporary / n.a.	Temporary	n.a.	n.a.
34	If temporary write-down, description of write-up mechanism	Write-up from net income from year (in proportion to the other instruments concerned of the same class)	n.a.	n.a.
35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
36	Non-compliant transitioned features	No	No	No
37	If yes, specify non-compliant features	n.a.	n.a.	n.a.

<sup>1)</sup>No portions of an issue have been reclassified to a lower level.

	<b>Instrument 15</b>	<b>Instrument 16</b>	<b>Instrument 17</b>	<b>Instrument 18</b>	<b>Instrument 19</b>
	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
	XS0128429619	XS0132805762	XS0130374183	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
	German law	German law	German law	German law	German law
	Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
	Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
	Group & solo	Group & solo	Group & solo	Group & solo	Group & solo
	Subordinated bond	Subordinated bond	Subordinated bond	Subordinated loan	Subordinated loan
	50	15	30	24	15
	50	15	30	30	15
	EUR	EUR	EUR	EUR	EUR
	50	15	30	30	15
	99.77 %	100.05 %	100.00 %	100.00 %	100.00 %
	100.00 %	100.00 %	100.00 %	100.00 %	100.00 %
	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
	03.05.01	18.07.01	01.06.01	10.07.13	12.07.13
	Dated	Dated	Dated	Dated	Dated
	03.05.41	18.07.31	01.06.31	10.07.23	12.02.25
	Yes	Yes	Yes	Yes	Yes
	n.a.	n.a.	n.a.	n.a.	n.a.
	n.a.	n.a.	n.a.	n.a.	n.a.
	Floating	Floating	Fixed	Fixed	Fixed
	0.0990 %/Euribor	0.1510 %/Euribor	6.2500 %	4.2600 %	4.3200 %
	No	No	No	No	No
	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
	No	No	No	No	No
	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative
	Non-convertible	Non-convertible	Non-convertible	Non-convertible	Non-convertible
	n.a.	n.a.	n.a.	n.a.	n.a.
	n.a.	n.a.	n.a.	n.a.	n.a.
	n.a.	n.a.	n.a.	n.a.	n.a.
	n.a.	n.a.	n.a.	n.a.	n.a.
	n.a.	n.a.	n.a.	n.a.	n.a.
	n.a.	n.a.	n.a.	n.a.	n.a.
	No	No	No	No	No
	n.a.	n.a.	n.a.	n.a.	n.a.
	n.a.	n.a.	n.a.	n.a.	n.a.
	n.a.	n.a.	n.a.	n.a.	n.a.
	n.a.	n.a.	n.a.	n.a.	n.a.
	n.a.	n.a.	n.a.	n.a.	n.a.
	n.a.	n.a.	n.a.	n.a.	n.a.
	n.a.	n.a.	n.a.	n.a.	n.a.
	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
	No	No	No	No	No
	n.a.	n.a.	n.a.	n.a.	n.a.

Key features of the capital instruments		Instrument 20	Instrument 21	Instrument 22
1	Issuer	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
2	Unique identifier (e.g. CUSIP, ISIN or Bloomberg identifier for private placement)	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
3	Law applicable to the instrument	German law	German law	German law
<b>Regulatory treatment</b>				
4	CRR transitional provisions: Instrument category <sup>1)</sup>	Tier 2	Tier 2	Tier 2
5	Post-transitional CRR rules	Tier 2	Tier 2	Tier 2
6	Eligible at solo/group/group & solo levels	Group & solo	Group & solo	Group & solo
7	Instrument type	Subordinated loan	Subordinated loan	Subordinated loan
8	Amount eligible as regulatory own funds (in € m, as at most recent reporting date)	10	20	4
	Par value of instrument (issue currency, in m)	10	20	5
	Issue currency	EUR	EUR	EUR
9	Par value of instrument (EUR equivalent, in € m)	10	20	5
9a	Issue price	100.00 %	100.00 %	100.00 %
9b	Redemption price	100.00 %	100.00 %	100.00 %
10	Accounting classification	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
11	Original issue date	11.07.13	15.07.13	11.07.13
12	Perpetual or dated	Dated	Dated	Dated
13	Original maturity date	11.07.28	15.07.27	11.07.23
14	Issuer call subject to prior supervisory approval	Yes	Yes	Yes
15	Optional call date and redemption amount	n.a.	n.a.	n.a.
16	Subsequent call dates, if applicable	n.a.	n.a.	n.a.
<b>Coupons / dividends</b>				
17	Fixed or floating dividend/coupon	Fixed	Fixed	Fixed
18	Coupon rate and any related index	4.6800 %	4.6300 %	4.2500 %
19	Existence of a dividend stopper	No	No	No
20a	Fully discretionary, partially discretionary or mandatory (in terms of timing)	Mandatory	Mandatory	Mandatory
20b	Fully discretionary, partially discretionary or mandatory (in terms of amount)	Mandatory	Mandatory	Mandatory
21	Existence of a step up or other incentive to redeem	No	No	No
22	Non-cumulative or cumulative	Non-cumulative	Non-cumulative	Non-cumulative
23	Convertible or non-convertible	Non-convertible	Non-convertible	Non-convertible
24	If convertible, conversion trigger(s)	n.a.	n.a.	n.a.
25	If convertible, fully or partially	n.a.	n.a.	n.a.
26	If convertible, conversion rate	n.a.	n.a.	n.a.
27	If convertible, mandatory or optional conversion	n.a.	n.a.	n.a.
28	If convertible, specify instrument type convertible into	n.a.	n.a.	n.a.
29	If convertible, specify issuer of instrument it converts into	n.a.	n.a.	n.a.
30	Write-down features	No	No	No
31	If write-down, write-down trigger(s)	n.a.	n.a.	n.a.
32	If write-down, full or partial	n.a.	n.a.	n.a.
33	If write-down, permanent/temporary/n.a.	n.a.	n.a.	n.a.
34	If temporary write-down, description of write-up mechanism	n.a.	n.a.	n.a.
35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
36	Non-compliant transitioned features	No	No	No
37	If yes, specify non-compliant features	n.a.	n.a.	n.a.

<sup>1)</sup>No portions of an issue have been reclassified to a lower level.

<b>Instrument 23</b>	<b>Instrument 24</b>	<b>Instrument 25</b>	<b>Instrument 26</b>	<b>Instrument 27</b>
Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
German law	German law	German law	German law	German law
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Group & solo	Group & solo	Group & solo	Group & solo	Group & solo
Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan
5	5	4	19	4
5	5	5	23	5
EUR	EUR	EUR	EUR	EUR
5	5	5	23	5
100.00%	100.00%	100.00%	100.00%	100.00%
100.00%	100.00%	100.00%	100.00%	100.00%
Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
15.07.13	12.07.13	11.07.13	17.07.13	17.07.13
Dated	Dated	Dated	Dated	Dated
15.07.26	12.07.24	11.07.23	17.07.23	17.07.23
Yes	Yes	Yes	Yes	Yes
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Fixed	Fixed	Fixed	Fixed	Fixed
4.5300%	4.3500%	4.2400%	4.1200%	4.1800%
No	No	No	No	No
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
No	No	No	No	No
Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative
Non-convertible	Non-convertible	Non-convertible	Non-convertible	Non-convertible
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.

Key features of the capital instruments		Instrument 28	Instrument 29	Instrument 30
1	Issuer	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
2	Unique identifier (e.g. CUSIP, ISIN or Bloomberg identifier for private placement)	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
3	Law applicable to the instrument	German law	German law	German law
<b>Regulatory treatment</b>				
4	CRR transitional provisions: Instrument category <sup>1)</sup>	Tier 2	Tier 2	Tier 2
5	Post-transitional CRR rules	Tier 2	Tier 2	Tier 2
6	Eligible at solo / group / group & solo levels	Group & solo	Group & solo	Group & solo
7	Instrument type	Subordinated loan	Subordinated loan	Subordinated loan
8	Amount eligible as regulatory own funds (in € m, as at most recent reporting date)	8	6	14
	Par value of instrument (issue currency, in m)	10	8	14
	Issue currency	EUR	EUR	EUR
9	Par value of instrument (EUR equivalent, in € m)	10	8	14
9a	Issue price	100.00 %	100.00 %	100.00 %
9b	Redemption price	100.00 %	100.00 %	100.00 %
10	Accounting classification	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
11	Original issue date	12.07.13	15.07.13	23.07.13
12	Perpetual or dated	Dated	Dated	Dated
13	Original maturity date	12.07.23	17.07.23	22.07.33
14	Issuer call subject to prior supervisory approval	Yes	Yes	Yes
15	Optional call date and redemption amount	n.a.	n.a.	n.a.
16	Subsequent call dates, if applicable	n.a.	n.a.	n.a.
<b>Coupons / dividends</b>				
17	Fixed or floating dividend / coupon	Fixed	Fixed	Fixed
18	Coupon rate and any related index	4.2000 %	4.1800 %	4.7000 %
19	Existence of a dividend stopper	No	No	No
20a	Fully discretionary, partially discretionary or mandatory (in terms of timing)	Mandatory	Mandatory	Mandatory
20b	Fully discretionary, partially discretionary or mandatory (in terms of amount)	Mandatory	Mandatory	Mandatory
21	Existence of a step up or other incentive to redeem	No	No	No
22	Non-cumulative or cumulative	Non-cumulative	Non-cumulative	Non-cumulative
23	Convertible or non-convertible	Non-convertible	Non-convertible	Non-convertible
24	If convertible, conversion trigger(s)	n.a.	n.a.	n.a.
25	If convertible, fully or partially	n.a.	n.a.	n.a.
26	If convertible, conversion rate	n.a.	n.a.	n.a.
27	If convertible, mandatory or optional conversion	n.a.	n.a.	n.a.
28	If convertible, specify instrument type convertible into	n.a.	n.a.	n.a.
29	If convertible, specify issuer of instrument it converts into	n.a.	n.a.	n.a.
30	Write-down features	No	No	No
31	If write-down, write-down trigger(s)	n.a.	n.a.	n.a.
32	If write-down, full or partial	n.a.	n.a.	n.a.
33	If write-down, permanent / temporary / n.a.	n.a.	n.a.	n.a.
34	If temporary write-down, description of write-up mechanism	n.a.	n.a.	n.a.
35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
36	Non-compliant transitioned features	No	No	No
37	If yes, specify non-compliant features	n.a.	n.a.	n.a.

<sup>1)</sup>No portions of an issue have been reclassified to a lower level.

<b>Instrument 31</b>	<b>Instrument 32</b>	<b>Instrument 33</b>	<b>Instrument 34</b>	<b>Instrument 35</b>
Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
German law	German law	German law	German law	German law
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Group & solo	Group & solo	Group & solo	Group & solo	Group & solo
Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan
66	6	2	7	8
82	6	2	9	10
EUR	EUR	EUR	EUR	EUR
82	6	2	9	10
100.00%	100.00%	100.00%	100.00%	100.00%
100.00%	100.00%	100.00%	100.00%	100.00%
Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
19.07.13	17.07.13	24.07.13	24.07.13	25.07.13
Dated	Dated	Dated	Dated	Dated
19.07.23	17.07.28	24.07.26	24.07.23	25.07.23
Yes	Yes	Yes	Yes	Yes
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Fixed	Fixed	Fixed	Fixed	Fixed
4.2000%	4.6000%	4.4000%	4.1000%	4.1300%
No	No	No	No	No
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
No	No	No	No	No
Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative
Non-convertible	Non-convertible	Non-convertible	Non-convertible	Non-convertible
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.

Key features of the capital instruments		Instrument 36	Instrument 37	Instrument 38
1	Issuer	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
2	Unique identifier (e.g. CUSIP, ISIN or Bloomberg identifier for private placement)	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
3	Law applicable to the instrument	German law	German law	German law
<b>Regulatory treatment</b>				
4	CRR transitional provisions: Instrument category <sup>1)</sup>	Tier 2	Tier 2	Tier 2
5	Post-transitional CRR rules	Tier 2	Tier 2	Tier 2
6	Eligible at solo / group / group & solo levels	Group & solo	Group & solo	Group & solo
7	Instrument type	Subordinated loan	Subordinated loan	Subordinated loan
8	Amount eligible as regulatory own funds (in € m, as at most recent reporting date)	6	19	2
	Par value of instrument (issue currency, in m)	6	20	3
	Issue currency	EUR	EUR	EUR
9	Par value of instrument (EUR equivalent, in € m)	6	20	3
9a	Issue price	100.00 %	100.00 %	100.00 %
9b	Redemption price	100.00 %	100.00 %	100.00 %
10	Accounting classification	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
11	Original issue date	31.07.13	31.07.13	29.07.13
12	Perpetual or dated	Dated	Dated	Dated
13	Original maturity date	31.07.28	31.07.28	31.07.23
14	Issuer call subject to prior supervisory approval	Yes	Yes	Yes
15	Optional call date and redemption amount	n.a.	n.a.	n.a.
16	Subsequent call dates, if applicable	n.a.	n.a.	n.a.
<b>Coupons / dividends</b>				
17	Fixed or floating dividend / coupon	Fixed	Fixed	Fixed
18	Coupon rate and any related index	4.5900 %	4.6300 %	4.2300 %
19	Existence of a dividend stopper	No	No	No
20a	Fully discretionary, partially discretionary or mandatory (in terms of timing)	Mandatory	Mandatory	Mandatory
20b	Fully discretionary, partially discretionary or mandatory (in terms of amount)	Mandatory	Mandatory	Mandatory
21	Existence of a step up or other incentive to redeem	No	No	No
22	Non-cumulative or cumulative	Non-cumulative	Non-cumulative	Non-cumulative
23	Convertible or non-convertible	Non-convertible	Non-convertible	Non-convertible
24	If convertible, conversion trigger(s)	n.a.	n.a.	n.a.
25	If convertible, fully or partially	n.a.	n.a.	n.a.
26	If convertible, conversion rate	n.a.	n.a.	n.a.
27	If convertible, mandatory or optional conversion	n.a.	n.a.	n.a.
28	If convertible, specify instrument type convertible into	n.a.	n.a.	n.a.
29	If convertible, specify issuer of instrument it converts into	n.a.	n.a.	n.a.
30	Write-down features	No	No	No
31	If write-down, write-down trigger(s)	n.a.	n.a.	n.a.
32	If write-down, full or partial	n.a.	n.a.	n.a.
33	If write-down, permanent / temporary / n.a.	n.a.	n.a.	n.a.
34	If temporary write-down, description of write-up mechanism	n.a.	n.a.	n.a.
35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
36	Non-compliant transitioned features	No	No	No
37	If yes, specify non-compliant features	n.a.	n.a.	n.a.

<sup>1)</sup>No portions of an issue have been reclassified to a lower level.



<b>Instrument 39</b>	<b>Instrument 40</b>	<b>Instrument 41</b>	<b>Instrument 42</b>	<b>Instrument 43</b>
Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
Bilateral agreement with no third-party reference	DE000HLB0WG6	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
German law	German law	German law	German law	German law
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Group & solo	Group & solo	Group & solo	Group & solo	Group & solo
Subordinated loan	Subordinated bond	Subordinated loan	Subordinated loan	Subordinated loan
61	20	15	16	5
75	25	15	20	5
EUR	EUR	EUR	EUR	EUR
75	25	15	20	5
100.00%	100.00%	100.00%	100.00%	100.00%
100.00%	100.00%	100.00%	100.00%	100.00%
Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
31.07.13	14.08.13	05.08.13	02.08.13	02.08.13
Dated	Dated	Dated	Dated	Dated
31.07.23	14.08.23	05.08.33	02.08.23	02.08.30
Yes	Yes	Yes	Yes	Yes
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Fixed	Fixed	Fixed	Fixed	Fixed
4.2500%	4.2600%	4.7300%	4.2650%	4.7500%
No	No	No	No	No
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
No	No	No	No	No
Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative
Non-convertible	Non-convertible	Non-convertible	Non-convertible	Non-convertible
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.

Key features of the capital instruments		Instrument 44	Instrument 45	Instrument 46
1	Issuer	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
2	Unique identifier (e.g. CUSIP, ISIN or Bloomberg identifier for private placement)	DE000HLB0WH4	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
3	Law applicable to the instrument	German law	German law	German law
<b>Regulatory treatment</b>				
4	CRR transitional provisions: Instrument category <sup>1)</sup>	Tier 2	Tier 2	Tier 2
5	Post-transitional CRR rules	Tier 2	Tier 2	Tier 2
6	Eligible at solo / group / group & solo levels	Group & solo	Group & solo	Group & solo
7	Instrument type	Subordinated bond	Subordinated loan	Subordinated loan
8	Amount eligible as regulatory own funds (in € m, as at most recent reporting date)	21	8	8
	Par value of instrument (issue currency, in m)	25	10	10
	Issue currency	EUR	EUR	EUR
9	Par value of instrument (EUR equivalent, in € m)	25	10	10
9a	Issue price	100.00 %	100.00 %	100.00 %
9b	Redemption price	100.00 %	100.00 %	100.00 %
10	Accounting classification	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
11	Original issue date	15.08.13	09.08.13	29.08.13
12	Perpetual or dated	Dated	Dated	Dated
13	Original maturity date	15.08.23	09.08.23	29.08.23
14	Issuer call subject to prior supervisory approval	Yes	Yes	Yes
15	Optional call date and redemption amount	n.a.	n.a.	n.a.
16	Subsequent call dates, if applicable	n.a.	n.a.	n.a.
<b>Coupons / dividends</b>				
17	Fixed or floating dividend / coupon	Fixed	Fixed	Fixed
18	Coupon rate and any related index	4.2300 %	4.2800 %	4.4200 %
19	Existence of a dividend stopper	No	No	No
20a	Fully discretionary, partially discretionary or mandatory (in terms of timing)	Mandatory	Mandatory	Mandatory
20b	Fully discretionary, partially discretionary or mandatory (in terms of amount)	Mandatory	Mandatory	Mandatory
21	Existence of a step up or other incentive to redeem	No	No	No
22	Non-cumulative or cumulative	Non-cumulative	Non-cumulative	Non-cumulative
23	Convertible or non-convertible	Non-convertible	Non-convertible	Non-convertible
24	If convertible, conversion trigger(s)	n.a.	n.a.	n.a.
25	If convertible, fully or partially	n.a.	n.a.	n.a.
26	If convertible, conversion rate	n.a.	n.a.	n.a.
27	If convertible, mandatory or optional conversion	n.a.	n.a.	n.a.
28	If convertible, specify instrument type convertible into	n.a.	n.a.	n.a.
29	If convertible, specify issuer of instrument it converts into	n.a.	n.a.	n.a.
30	Write-down features	No	No	No
31	If write-down, write-down trigger(s)	n.a.	n.a.	n.a.
32	If write-down, full or partial	n.a.	n.a.	n.a.
33	If write-down, permanent / temporary / n.a.	n.a.	n.a.	n.a.
34	If temporary write-down, description of write-up mechanism	n.a.	n.a.	n.a.
35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
36	Non-compliant transitioned features	No	No	No
37	If yes, specify non-compliant features	n.a.	n.a.	n.a.

<sup>1)</sup>No portions of an issue have been reclassified to a lower level.

Instrument 47	Instrument 48	Instrument 49	Instrument 50	Instrument 51
Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
DE000HLBOWJO	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
German law	German law	German law	German law	German law
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Group & solo	Group & solo	Group & solo	Group & solo	Group & solo
Subordinated bond	Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan
4	4	8	4	4
5	5	10	5	5
EUR	EUR	EUR	EUR	EUR
5	5	10	5	5
100.00%	100.00%	99.92%	99.78%	100.00%
100.00%	100.00%	100.00%	100.00%	100.00%
Liability – amortised cost	Liability – fair value option	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
04.09.13	05.09.13	23.09.13	26.09.13	04.10.13
Dated	Dated	Dated	Dated	Dated
04.09.23	05.09.33	22.09.23	26.09.23	04.10.23
Yes	Yes	Yes	Yes	Yes
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Fixed	Currently fixed, subsequently floating	Fixed	Fixed	Fixed
4.4200%	5.0000% / EUR swap interest rate	4.4300%	4.4000%	4.3500%
No	No	No	No	No
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
No	No	No	No	No
Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative
Non-convertible	Non-convertible	Non-convertible	Non-convertible	Non-convertible
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.

Key features of the capital instruments		Instrument 52	Instrument 53	Instrument 54
1	Issuer	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
2	Unique identifier (e.g. CUSIP, ISIN or Bloomberg identifier for private placement)	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
3	Law applicable to the instrument	German law	German law	German law
<b>Regulatory treatment</b>				
4	CRR transitional provisions: Instrument category <sup>1)</sup>	Tier 2	Tier 2	Tier 2
5	Post-transitional CRR rules	Tier 2	Tier 2	Tier 2
6	Eligible at solo / group / group & solo levels	Group & solo	Group & solo	Group & solo
7	Instrument type	Subordinated loan	Subordinated loan	Subordinated loan
8	Amount eligible as regulatory own funds (in € m, as at most recent reporting date)	9	2	9
	Par value of instrument (issue currency, in m)	10	2	10
	Issue currency	EUR	EUR	EUR
9	Par value of instrument (EUR equivalent, in € m)	10	2	10
9a	Issue price	100.00 %	100.00 %	100.00 %
9b	Redemption price	100.00 %	100.00 %	100.00 %
10	Accounting classification	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
11	Original issue date	04.10.13	09.10.13	09.10.13
12	Perpetual or dated	Dated	Dated	Dated
13	Original maturity date	04.10.23	09.10.23	09.10.23
14	Issuer call subject to prior supervisory approval	Yes	Yes	Yes
15	Optional call date and redemption amount	n.a.	n.a.	n.a.
16	Subsequent call dates, if applicable	n.a.	n.a.	n.a.
<b>Coupons / dividends</b>				
17	Fixed or floating dividend / coupon	Fixed	Fixed	Fixed
18	Coupon rate and any related index	4.3400 %	4.4000 %	4.3700 %
19	Existence of a dividend stopper	No	No	No
20a	Fully discretionary, partially discretionary or mandatory (in terms of timing)	Mandatory	Mandatory	Mandatory
20b	Fully discretionary, partially discretionary or mandatory (in terms of amount)	Mandatory	Mandatory	Mandatory
21	Existence of a step up or other incentive to redeem	No	No	No
22	Non-cumulative or cumulative	Non-cumulative	Non-cumulative	Non-cumulative
23	Convertible or non-convertible	Non-convertible	Non-convertible	Non-convertible
24	If convertible, conversion trigger(s)	n.a.	n.a.	n.a.
25	If convertible, fully or partially	n.a.	n.a.	n.a.
26	If convertible, conversion rate	n.a.	n.a.	n.a.
27	If convertible, mandatory or optional conversion	n.a.	n.a.	n.a.
28	If convertible, specify instrument type convertible into	n.a.	n.a.	n.a.
29	If convertible, specify issuer of instrument it converts into	n.a.	n.a.	n.a.
30	Write-down features	No	No	No
31	If write-down, write-down trigger(s)	n.a.	n.a.	n.a.
32	If write-down, full or partial	n.a.	n.a.	n.a.
33	If write-down, permanent / temporary / n.a.	n.a.	n.a.	n.a.
34	If temporary write-down, description of write-up mechanism	n.a.	n.a.	n.a.
35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
36	Non-compliant transitioned features	No	No	No
37	If yes, specify non-compliant features	n.a.	n.a.	n.a.

<sup>1)</sup>No portions of an issue have been reclassified to a lower level.

Instrument 55	Instrument 56	Instrument 57	Instrument 58	Instrument 59
Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
Bilateral agreement with no third-party reference	DE000HLB02N4	DE000HLB0WK8	DE000HLB0WL6	Bilateral agreement with no third-party reference
German law	German law	German law	German law	German law
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Group & solo	Group & solo	Group & solo	Group & solo	Group & solo
Subordinated loan	Subordinated bond	Subordinated bond	Subordinated bond	Subordinated loan
6	181	4	4	5
6	215	5	5	5
EUR	EUR	EUR	EUR	EUR
6	215	5	5	5
100.00%	98.06%	100.00%	100.00%	100.00%
100.00%	100.00%	100.00%	100.00%	100.00%
Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
28.10.13	06.11.13	01.11.13	01.11.13	04.11.13
Dated	Dated	Dated	Dated	Dated
28.10.24	06.11.23	01.11.23	01.11.23	04.11.33
Yes	Yes	Yes	Yes	Yes
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Fixed	Fixed	Floating	Fixed	Fixed
4.4150%	4.0000%	2.0190%/Euribor	4.3000%	4.8750%
No	No	No	No	No
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
No	No	No	No	No
Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative
Non-convertible	Non-convertible	Non-convertible	Non-convertible	Non-convertible
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.

Key features of the capital instruments		Instrument 60	Instrument 61	Instrument 62
1	Issuer	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
2	Unique identifier (e.g. CUSIP, ISIN or Bloomberg identifier for private placement)	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
3	Law applicable to the instrument	German law	German law	German law
<b>Regulatory treatment</b>				
4	CRR transitional provisions: Instrument category <sup>1)</sup>	Tier 2	Tier 2	Tier 2
5	Post-transitional CRR rules	Tier 2	Tier 2	Tier 2
6	Eligible at solo / group / group & solo levels	Group & solo	Group & solo	Group & solo
7	Instrument type	Subordinated loan	Subordinated loan	Subordinated loan
8	Amount eligible as regulatory own funds (in € m, as at most recent reporting date)	1	4	1
	Par value of instrument (issue currency, in m)	1	5	1
	Issue currency	EUR	EUR	EUR
9	Par value of instrument (EUR equivalent, in € m)	1	5	1
9a	Issue price	100.00 %	100.00 %	100.00 %
9b	Redemption price	100.00 %	100.00 %	100.00 %
10	Accounting classification	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
11	Original issue date	05.11.13	06.11.13	13.11.13
12	Perpetual or dated	Dated	Dated	Dated
13	Original maturity date	05.11.24	06.11.23	13.11.23
14	Issuer call subject to prior supervisory approval	Yes	Yes	Yes
15	Optional call date and redemption amount	n.a.	n.a.	n.a.
16	Subsequent call dates, if applicable	n.a.	n.a.	n.a.
<b>Coupons / dividends</b>				
17	Fixed or floating dividend / coupon	Fixed	Fixed	Fixed
18	Coupon rate and any related index	4.4150 %	4.1900 %	4.2700 %
19	Existence of a dividend stopper	No	No	No
20a	Fully discretionary, partially discretionary or mandatory (in terms of timing)	Mandatory	Mandatory	Mandatory
20b	Fully discretionary, partially discretionary or mandatory (in terms of amount)	Mandatory	Mandatory	Mandatory
21	Existence of a step up or other incentive to redeem	No	No	No
22	Non-cumulative or cumulative	Non-cumulative	Non-cumulative	Non-cumulative
23	Convertible or non-convertible	Non-convertible	Non-convertible	Non-convertible
24	If convertible, conversion trigger(s)	n.a.	n.a.	n.a.
25	If convertible, fully or partially	n.a.	n.a.	n.a.
26	If convertible, conversion rate	n.a.	n.a.	n.a.
27	If convertible, mandatory or optional conversion	n.a.	n.a.	n.a.
28	If convertible, specify instrument type convertible into	n.a.	n.a.	n.a.
29	If convertible, specify issuer of instrument it converts into	n.a.	n.a.	n.a.
30	Write-down features	No	No	No
31	If write-down, write-down trigger(s)	n.a.	n.a.	n.a.
32	If write-down, full or partial	n.a.	n.a.	n.a.
33	If write-down, permanent / temporary / n.a.	n.a.	n.a.	n.a.
34	If temporary write-down, description of write-up mechanism	n.a.	n.a.	n.a.
35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
36	Non-compliant transitioned features	No	No	No
37	If yes, specify non-compliant features	n.a.	n.a.	n.a.

<sup>1)</sup>No portions of an issue have been reclassified to a lower level.

<b>Instrument 63</b>	<b>Instrument 64</b>	<b>Instrument 65</b>	<b>Instrument 66</b>	<b>Instrument 67</b>
Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
German law	German law	German law	German law	German law
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Group & solo	Group & solo	Group & solo	Group & solo	Group & solo
Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan
4	4	4	9	30
5	5	5	10	30
EUR	EUR	EUR	EUR	EUR
5	5	5	10	30
100.00%	100.00%	100.00%	100.00%	100.00%
100.00%	100.00%	100.00%	100.00%	100.00%
Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
28.11.13	11.12.13	11.12.13	17.01.14	23.01.14
Dated	Dated	Dated	Dated	Dated
28.11.23	11.12.23	11.12.23	17.01.24	23.01.34
Yes	Yes	Yes	Yes	Yes
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Fixed	Fixed	Fixed	Fixed	Fixed
4.2100%	4.2850%	4.2650%	4.3400%	4.6300%
No	No	No	No	No
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
No	No	No	No	No
Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative
Non-convertible	Non-convertible	Non-convertible	Non-convertible	Non-convertible
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.

Key features of the capital instruments		Instrument 68	Instrument 69	Instrument 70
1	Issuer	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
2	Unique identifier (e.g. CUSIP, ISIN or Bloomberg identifier for private placement)	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
3	Law applicable to the instrument	German law	German law	German law
<b>Regulatory treatment</b>				
4	CRR transitional provisions: Instrument category <sup>1)</sup>	Tier 2	Tier 2	Tier 2
5	Post-transitional CRR rules	Tier 2	Tier 2	Tier 2
6	Eligible at solo / group / group & solo levels	Group & solo	Group & solo	Group & solo
7	Instrument type	Subordinated loan	Subordinated loan	Subordinated loan
8	Amount eligible as regulatory own funds (in € m, as at most recent reporting date)	7	39	5
	Par value of instrument (issue currency, in m)	7	39	5
	Issue currency	EUR	EUR	EUR
9	Par value of instrument (EUR equivalent, in € m)	7	39	5
9a	Issue price	100.00 %	100.00 %	100.00 %
9b	Redemption price	100.00 %	100.00 %	100.00 %
10	Accounting classification	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
11	Original issue date	06.02.14	06.02.14	12.02.14
12	Perpetual or dated	Dated	Dated	Dated
13	Original maturity date	06.02.26	06.02.34	12.02.29
14	Issuer call subject to prior supervisory approval	Yes	Yes	Yes
15	Optional call date and redemption amount	n.a.	n.a.	n.a.
16	Subsequent call dates, if applicable	n.a.	n.a.	n.a.
<b>Coupons / dividends</b>				
17	Fixed or floating dividend / coupon	Fixed	Fixed	Fixed
18	Coupon rate and any related index	4.1000 %	4.4700 %	4.3400 %
19	Existence of a dividend stopper	No	No	No
20a	Fully discretionary, partially discretionary or mandatory (in terms of timing)	Mandatory	Mandatory	Mandatory
20b	Fully discretionary, partially discretionary or mandatory (in terms of amount)	Mandatory	Mandatory	Mandatory
21	Existence of a step up or other incentive to redeem	No	No	No
22	Non-cumulative or cumulative	Non-cumulative	Non-cumulative	Non-cumulative
23	Convertible or non-convertible	Non-convertible	Non-convertible	Non-convertible
24	If convertible, conversion trigger(s)	n.a.	n.a.	n.a.
25	If convertible, fully or partially	n.a.	n.a.	n.a.
26	If convertible, conversion rate	n.a.	n.a.	n.a.
27	If convertible, mandatory or optional conversion	n.a.	n.a.	n.a.
28	If convertible, specify instrument type convertible into	n.a.	n.a.	n.a.
29	If convertible, specify issuer of instrument it converts into	n.a.	n.a.	n.a.
30	Write-down features	No	No	No
31	If write-down, write-down trigger(s)	n.a.	n.a.	n.a.
32	If write-down, full or partial	n.a.	n.a.	n.a.
33	If write-down, permanent / temporary / n.a.	n.a.	n.a.	n.a.
34	If temporary write-down, description of write-up mechanism	n.a.	n.a.	n.a.
35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
36	Non-compliant transitioned features	No	No	No
37	If yes, specify non-compliant features	n.a.	n.a.	n.a.

<sup>1)</sup>No portions of an issue have been reclassified to a lower level.



Instrument 71	Instrument 72	Instrument 73	Instrument 74	Instrument 75
Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
German law	German law	German law	German law	German law
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Group & solo	Group & solo	Group & solo	Group & solo	Group & solo
Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan
11	5	11	20	24
10	5	10	20	25
EUR	EUR	EUR	EUR	EUR
10	5	10	20	25
100.00%	100.00%	100.00%	100.00%	100.00%
100.00%	100.00%	100.00%	100.00%	100.00%
Liability – fair value option	Liability – amortised cost	Liability – fair value option	Liability – amortised cost	Liability – amortised cost
06.03.14	11.03.14	13.03.14	21.03.14	15.04.14
Dated	Dated	Dated	Dated	Dated
06.03.34	11.03.24	13.03.34	21.12.29	15.04.24
Yes	Yes	Yes	Yes	Yes
06.03.2024/Nominal amount	n.a.	13.03.2024/Nominal amount	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Fixed	Fixed	Fixed	Fixed	Fixed
4.6800%	3.8800%	4.7000%	4.3000%	3.6300%
No	No	No	No	No
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
No	No	No	No	No
Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative
Non-convertible	Non-convertible	Non-convertible	Non-convertible	Non-convertible
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.

Key features of the capital instruments		Instrument 76	Instrument 77	Instrument 78
1	Issuer	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
2	Unique identifier (e.g. CUSIP, ISIN or Bloomberg identifier for private placement)	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	DE000HLB4L07
3	Law applicable to the instrument	German law	German law	German law
<b>Regulatory treatment</b>				
4	CRR transitional provisions: Instrument category <sup>1)</sup>	Tier 2	Tier 2	Tier 2
5	Post-transitional CRR rules	Tier 2	Tier 2	Tier 2
6	Eligible at solo/group/group & solo levels	Group & solo	Group & solo	Group & solo
7	Instrument type	Subordinated loan	Subordinated loan	Subordinated bond
8	Amount eligible as regulatory own funds (in € m, as at most recent reporting date)	10	1	20
	Par value of instrument (issue currency, in m)	10	1	20
	Issue currency	EUR	EUR	EUR
9	Par value of instrument (EUR equivalent, in € m)	10	1	20
9a	Issue price	100.00 %	100.00 %	100.00 %
9b	Redemption price	100.00 %	100.00 %	100.00 %
10	Accounting classification	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
11	Original issue date	09.05.14	13.05.14	23.05.14
12	Perpetual or dated	Dated	Dated	Dated
13	Original maturity date	09.05.34	13.05.24	23.05.24
14	Issuer call subject to prior supervisory approval	Yes	Yes	Yes
15	Optional call date and redemption amount	n.a.	n.a.	n.a.
16	Subsequent call dates, if applicable	n.a.	n.a.	n.a.
<b>Coupons / dividends</b>				
17	Fixed or floating dividend/coupon	Fixed	Fixed	Floating
18	Coupon rate and any related index	4.2300 %	3.6350 %	1.6560 %/Euribor
19	Existence of a dividend stopper	No	No	No
20a	Fully discretionary, partially discretionary or mandatory (in terms of timing)	Mandatory	Mandatory	Mandatory
20b	Fully discretionary, partially discretionary or mandatory (in terms of amount)	Mandatory	Mandatory	Mandatory
21	Existence of a step up or other incentive to redeem	No	No	No
22	Non-cumulative or cumulative	Non-cumulative	Non-cumulative	Non-cumulative
23	Convertible or non-convertible	Non-convertible	Non-convertible	Non-convertible
24	If convertible, conversion trigger(s)	n.a.	n.a.	n.a.
25	If convertible, fully or partially	n.a.	n.a.	n.a.
26	If convertible, conversion rate	n.a.	n.a.	n.a.
27	If convertible, mandatory or optional conversion	n.a.	n.a.	n.a.
28	If convertible, specify instrument type convertible into	n.a.	n.a.	n.a.
29	If convertible, specify issuer of instrument it converts into	n.a.	n.a.	n.a.
30	Write-down features	No	No	No
31	If write-down, write-down trigger(s)	n.a.	n.a.	n.a.
32	If write-down, full or partial	n.a.	n.a.	n.a.
33	If write-down, permanent/temporary/n.a.	n.a.	n.a.	n.a.
34	If temporary write-down, description of write-up mechanism	n.a.	n.a.	n.a.
35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
36	Non-compliant transitioned features	No	No	No
37	If yes, specify non-compliant features	n.a.	n.a.	n.a.

<sup>1)</sup>No portions of an issue have been reclassified to a lower level.

Instrument 79	Instrument 80	Instrument 81	Instrument 82	Instrument 83
Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	DE000HLB4L15	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
German law	German law	German law	German law	German law
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Group & solo	Group & solo	Group & solo	Group & solo	Group & solo
Subordinated loan	Subordinated loan	Subordinated bond	Subordinated loan	Subordinated loan
8	25	10	3	19
8	25	10	3	20
EUR	EUR	EUR	EUR	EUR
8	25	10	3	20
100.00%	100.00%	100.04%	100.00%	100.00%
100.00%	100.00%	100.00%	100.00%	100.00%
Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – fair value option
03.06.14	05.06.14	10.06.14	12.06.14	01.08.14
Dated	Dated	Dated	Dated	Dated
03.06.24	05.06.24	10.06.24	12.06.34	01.08.24
Yes	Yes	Yes	Yes	Yes
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Fixed	Fixed	Fixed	Fixed	Floating
3.3100%	3.3500%	3.3000%	4.0100%	1.7424%/EUR swap interest rate
No	No	No	No	No
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
No	No	No	No	No
Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative
Non-convertible	Non-convertible	Non-convertible	Non-convertible	Non-convertible
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.

Key features of the capital instruments		Instrument 84	Instrument 85	Instrument 86
1	Issuer	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
2	Unique identifier (e.g. CUSIP, ISIN or Bloomberg identifier for private placement)	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
3	Law applicable to the instrument	German law	German law	German law
<b>Regulatory treatment</b>				
4	CRR transitional provisions: Instrument category <sup>1)</sup>	Tier 2	Tier 2	Tier 2
5	Post-transitional CRR rules	Tier 2	Tier 2	Tier 2
6	Eligible at solo / group / group & solo levels	Group & solo	Group & solo	Group & solo
7	Instrument type	Subordinated loan	Subordinated loan	Subordinated loan
8	Amount eligible as regulatory own funds (in € m, as at most recent reporting date)	30	3	5
	Par value of instrument (issue currency, in m)	30	3	5
	Issue currency	EUR	EUR	EUR
9	Par value of instrument (EUR equivalent, in € m)	30	3	5
9a	Issue price	100.00 %	100.00 %	100.00 %
9b	Redemption price	100.00 %	100.00 %	100.00 %
10	Accounting classification	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
11	Original issue date	25.08.14	26.08.14	27.08.14
12	Perpetual or dated	Dated	Dated	Dated
13	Original maturity date	01.07.25	26.08.24	27.08.29
14	Issuer call subject to prior supervisory approval	Yes	Yes	Yes
15	Optional call date and redemption amount	n.a.	n.a.	n.a.
16	Subsequent call dates, if applicable	n.a.	n.a.	n.a.
<b>Coupons / dividends</b>				
17	Fixed or floating dividend / coupon	Fixed	Fixed	Fixed
18	Coupon rate and any related index	3.0000 %	2.9050 %	3.2650 %
19	Existence of a dividend stopper	No	No	No
20a	Fully discretionary, partially discretionary or mandatory (in terms of timing)	Mandatory	Mandatory	Mandatory
20b	Fully discretionary, partially discretionary or mandatory (in terms of amount)	Mandatory	Mandatory	Mandatory
21	Existence of a step up or other incentive to redeem	No	No	No
22	Non-cumulative or cumulative	Non-cumulative	Non-cumulative	Non-cumulative
23	Convertible or non-convertible	Non-convertible	Non-convertible	Non-convertible
24	If convertible, conversion trigger(s)	n.a.	n.a.	n.a.
25	If convertible, fully or partially	n.a.	n.a.	n.a.
26	If convertible, conversion rate	n.a.	n.a.	n.a.
27	If convertible, mandatory or optional conversion	n.a.	n.a.	n.a.
28	If convertible, specify instrument type convertible into	n.a.	n.a.	n.a.
29	If convertible, specify issuer of instrument it converts into	n.a.	n.a.	n.a.
30	Write-down features	No	No	No
31	If write-down, write-down trigger(s)	n.a.	n.a.	n.a.
32	If write-down, full or partial	n.a.	n.a.	n.a.
33	If write-down, permanent / temporary / n.a.	n.a.	n.a.	n.a.
34	If temporary write-down, description of write-up mechanism	n.a.	n.a.	n.a.
35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
36	Non-compliant transitioned features	No	No	No
37	If yes, specify non-compliant features	n.a.	n.a.	n.a.

<sup>1)</sup>No portions of an issue have been reclassified to a lower level.

<b>Instrument 87</b>	<b>Instrument 88</b>	<b>Instrument 89</b>	<b>Instrument 90</b>	<b>Instrument 91</b>
Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
German law	German law	German law	German law	German law
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Group & solo	Group & solo	Group & solo	Group & solo	Group & solo
Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan
30	5	15	20	5
30	5	15	20	5
EUR	EUR	EUR	EUR	EUR
30	5	15	20	5
100.00%	100.00%	100.00%	100.00%	100.00%
100.00%	100.00%	100.00%	100.00%	100.00%
Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
03.09.14	10.09.14	19.09.14	02.10.14	02.10.14
Dated	Dated	Dated	Dated	Dated
03.09.29	10.09.26	19.09.33	02.10.34	02.10.24
Yes	Yes	Yes	Yes	Yes
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Fixed	Fixed	Fixed	Fixed	Fixed
3.1500%	3.0300%	3.5600%	3.4550%	2.8100%
No	No	No	No	No
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
No	No	No	No	No
Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative
Non-convertible	Non-convertible	Non-convertible	Non-convertible	Non-convertible
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.

Key features of the capital instruments		Instrument 92	Instrument 93	Instrument 94
1	Issuer	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
2	Unique identifier (e.g. CUSIP, ISIN or Bloomberg identifier for private placement)	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	DE000HLB1V32
3	Law applicable to the instrument	German law	German law	German law
<b>Regulatory treatment</b>				
4	CRR transitional provisions: Instrument category <sup>1)</sup>	Tier 2	Tier 2	Tier 2
5	Post-transitional CRR rules	Tier 2	Tier 2	Tier 2
6	Eligible at solo/group/group & solo levels	Group & solo	Group & solo	Group & solo
7	Instrument type	Subordinated loan	Subordinated loan	Subordinated bond
8	Amount eligible as regulatory own funds (in € m, as at most recent reporting date)	2	5	50
	Par value of instrument (issue currency, in m)	2	5	50
	Issue currency	EUR	EUR	EUR
9	Par value of instrument (EUR equivalent, in € m)	2	5	50
9a	Issue price	100.00 %	100.00 %	100.00 %
9b	Redemption price	100.00 %	100.00 %	100.00 %
10	Accounting classification	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
11	Original issue date	29.10.14	11.11.14	18.11.14
12	Perpetual or dated	Dated	Dated	Dated
13	Original maturity date	29.10.24	11.11.24	18.11.24
14	Issuer call subject to prior supervisory approval	Yes	Yes	Yes
15	Optional call date and redemption amount	n.a.	n.a.	n.a.
16	Subsequent call dates, if applicable	n.a.	n.a.	n.a.
<b>Coupons / dividends</b>				
17	Fixed or floating dividend / coupon	Fixed	Fixed	Fixed
18	Coupon rate and any related index	2.7000 %	2.7150 %	2.6900 %
19	Existence of a dividend stopper	No	No	No
20a	Fully discretionary, partially discretionary or mandatory (in terms of timing)	Mandatory	Mandatory	Mandatory
20b	Fully discretionary, partially discretionary or mandatory (in terms of amount)	Mandatory	Mandatory	Mandatory
21	Existence of a step up or other incentive to redeem	No	No	No
22	Non-cumulative or cumulative	Non-cumulative	Non-cumulative	Non-cumulative
23	Convertible or non-convertible	Non-convertible	Non-convertible	Non-convertible
24	If convertible, conversion trigger(s)	n.a.	n.a.	n.a.
25	If convertible, fully or partially	n.a.	n.a.	n.a.
26	If convertible, conversion rate	n.a.	n.a.	n.a.
27	If convertible, mandatory or optional conversion	n.a.	n.a.	n.a.
28	If convertible, specify instrument type convertible into	n.a.	n.a.	n.a.
29	If convertible, specify issuer of instrument it converts into	n.a.	n.a.	n.a.
30	Write-down features	No	No	No
31	If write-down, write-down trigger(s)	n.a.	n.a.	n.a.
32	If write-down, full or partial	n.a.	n.a.	n.a.
33	If write-down, permanent/temporary/n.a.	n.a.	n.a.	n.a.
34	If temporary write-down, description of write-up mechanism	n.a.	n.a.	n.a.
35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
36	Non-compliant transitioned features	No	No	No
37	If yes, specify non-compliant features	n.a.	n.a.	n.a.

<sup>1)</sup>No portions of an issue have been reclassified to a lower level.

Instrument 95	Instrument 96	Instrument 97	Instrument 98	Instrument 99
Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
DE000HLB1KN5	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	DE000HLB12L7	Bilateral agreement with no third-party reference
German law	German law	German law	German law	German law
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Group & solo	Group & solo	Group & solo	Group & solo	Group & solo
Subordinated bond	Subordinated loan	Subordinated loan	Subordinated bond	Subordinated loan
96	3	5	15	5
100	3	5	15	5
EUR	EUR	EUR	EUR	EUR
100	3	5	15	5
97.97%	100.00%	100.00%	100.00%	100.00%
100.00%	100.00%	100.00%	100.00%	100.00%
Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
19.11.14	12.12.14	30.01.15	03.02.15	24.02.15
Dated	Dated	Dated	Dated	Dated
19.11.24	12.06.25	30.01.25	03.02.25	24.02.25
Yes	Yes	Yes	Yes	Yes
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Fixed	Fixed	Fixed	Fixed	Fixed
2.5000%	2.6200%	2.3700%	2.3700%	2.3750%
No	No	No	No	No
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
No	No	No	No	No
Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative
Non-convertible	Non-convertible	Non-convertible	Non-convertible	Non-convertible
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.

Key features of the capital instruments		Instrument 100	Instrument 101	Instrument 102
1	Issuer	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
2	Unique identifier (e.g. CUSIP, ISIN or Bloomberg identifier for private placement)	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
3	Law applicable to the instrument	German law	German law	German law
<b>Regulatory treatment</b>				
4	CRR transitional provisions: Instrument category <sup>1)</sup>	Tier 2	Tier 2	Tier 2
5	Post-transitional CRR rules	Tier 2	Tier 2	Tier 2
6	Eligible at solo/group/group & solo levels	Group & solo	Group & solo	Group & solo
7	Instrument type	Subordinated loan	Subordinated loan	Subordinated loan
8	Amount eligible as regulatory own funds (in € m, as at most recent reporting date)	3	5	5
	Par value of instrument (issue currency, in m)	3	5	5
	Issue currency	EUR	EUR	EUR
9	Par value of instrument (EUR equivalent, in € m)	3	5	5
9a	Issue price	100.00 %	100.00 %	100.00 %
9b	Redemption price	100.00 %	100.00 %	100.00 %
10	Accounting classification	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
11	Original issue date	10.03.15	30.03.15	01.04.15
12	Perpetual or dated	Dated	Dated	Dated
13	Original maturity date	10.03.25	30.03.27	01.04.30
14	Issuer call subject to prior supervisory approval	Yes	Yes	Yes
15	Optional call date and redemption amount	n.a.	n.a.	n.a.
16	Subsequent call dates, if applicable	n.a.	n.a.	n.a.
<b>Coupons / dividends</b>				
17	Fixed or floating dividend/coupon	Fixed	Fixed	Fixed
18	Coupon rate and any related index	2.3700 %	2.3100 %	2.4000 %
19	Existence of a dividend stopper	No	No	No
20a	Fully discretionary, partially discretionary or mandatory (in terms of timing)	Mandatory	Mandatory	Mandatory
20b	Fully discretionary, partially discretionary or mandatory (in terms of amount)	Mandatory	Mandatory	Mandatory
21	Existence of a step up or other incentive to redeem	No	No	No
22	Non-cumulative or cumulative	Non-cumulative	Non-cumulative	Non-cumulative
23	Convertible or non-convertible	Non-convertible	Non-convertible	Non-convertible
24	If convertible, conversion trigger(s)	n.a.	n.a.	n.a.
25	If convertible, fully or partially	n.a.	n.a.	n.a.
26	If convertible, conversion rate	n.a.	n.a.	n.a.
27	If convertible, mandatory or optional conversion	n.a.	n.a.	n.a.
28	If convertible, specify instrument type convertible into	n.a.	n.a.	n.a.
29	If convertible, specify issuer of instrument it converts into	n.a.	n.a.	n.a.
30	Write-down features	No	No	No
31	If write-down, write-down trigger(s)	n.a.	n.a.	n.a.
32	If write-down, full or partial	n.a.	n.a.	n.a.
33	If write-down, permanent/temporary/n.a.	n.a.	n.a.	n.a.
34	If temporary write-down, description of write-up mechanism	n.a.	n.a.	n.a.
35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
36	Non-compliant transitioned features	No	No	No
37	If yes, specify non-compliant features	n.a.	n.a.	n.a.

<sup>1)</sup>No portions of an issue have been reclassified to a lower level.



Instrument 103	Instrument 104	Instrument 105	Instrument 106	Instrument 107
Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	DE000HLB09P4
German law	German law	German law	German law	German law
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Group & solo	Group & solo	Group & solo	Group & solo	Group & solo
Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan	Subordinated bond
20	5	14	10	10
20	5	14	10	10
EUR	EUR	EUR	EUR	EUR
20	5	14	10	10
100.00%	100.00%	100.00%	100.00%	99.53%
100.00%	100.00%	100.00%	100.00%	100.00%
Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
10.04.15	14.04.15	15.04.15	21.05.15	16.06.15
Dated	Dated	Dated	Dated	Dated
10.04.25	14.04.26	15.04.25	21.05.35	16.06.25
Yes	Yes	Yes	Yes	Yes
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Fixed	Fixed	Fixed	Fixed	Fixed
2.2050%	2.2200%	2.1950%	3.0000%	2.7500%
No	No	No	No	No
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
No	No	No	No	No
Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative
Non-convertible	Non-convertible	Non-convertible	Non-convertible	Non-convertible
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.

Key features of the capital instruments		Instrument 108	Instrument 109	Instrument 110
1	Issuer	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
2	Unique identifier (e.g. CUSIP, ISIN or Bloomberg identifier for private placement)	DE000HLB13N1	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
3	Law applicable to the instrument	German law	German law	German law
<b>Regulatory treatment</b>				
4	CRR transitional provisions: Instrument category <sup>1)</sup>	Tier 2	Tier 2	Tier 2
5	Post-transitional CRR rules	Tier 2	Tier 2	Tier 2
6	Eligible at solo/group/group & solo levels	Group & solo	Group & solo	Group & solo
7	Instrument type	Subordinated bond	Subordinated loan	Subordinated loan
8	Amount eligible as regulatory own funds (in € m, as at most recent reporting date)	44	5	47
	Par value of instrument (issue currency, in m)	45	5	47
	Issue currency	EUR	EUR	EUR
9	Par value of instrument (EUR equivalent, in € m)	45	5	47
9a	Issue price	98.00 %	100.00 %	100.00 %
9b	Redemption price	100.00 %	100.00 %	100.00 %
10	Accounting classification	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
11	Original issue date	24.06.15	30.06.15	14.07.15
12	Perpetual or dated	Dated	Dated	Dated
13	Original maturity date	24.06.25	30.06.25	14.07.25
14	Issuer call subject to prior supervisory approval	Yes	Yes	Yes
15	Optional call date and redemption amount	n.a.	n.a.	n.a.
16	Subsequent call dates, if applicable	n.a.	n.a.	n.a.
<b>Coupons / dividends</b>				
17	Fixed or floating dividend/coupon	Fixed	Fixed	Fixed
18	Coupon rate and any related index	2.0000 %	2.8600 %	3.0650 %
19	Existence of a dividend stopper	No	No	No
20a	Fully discretionary, partially discretionary or mandatory (in terms of timing)	Mandatory	Mandatory	Mandatory
20b	Fully discretionary, partially discretionary or mandatory (in terms of amount)	Mandatory	Mandatory	Mandatory
21	Existence of a step up or other incentive to redeem	No	No	No
22	Non-cumulative or cumulative	Non-cumulative	Non-cumulative	Non-cumulative
23	Convertible or non-convertible	Non-convertible	Non-convertible	Non-convertible
24	If convertible, conversion trigger(s)	n.a.	n.a.	n.a.
25	If convertible, fully or partially	n.a.	n.a.	n.a.
26	If convertible, conversion rate	n.a.	n.a.	n.a.
27	If convertible, mandatory or optional conversion	n.a.	n.a.	n.a.
28	If convertible, specify instrument type convertible into	n.a.	n.a.	n.a.
29	If convertible, specify issuer of instrument it converts into	n.a.	n.a.	n.a.
30	Write-down features	No	No	No
31	If write-down, write-down trigger(s)	n.a.	n.a.	n.a.
32	If write-down, full or partial	n.a.	n.a.	n.a.
33	If write-down, permanent/temporary/n.a.	n.a.	n.a.	n.a.
34	If temporary write-down, description of write-up mechanism	n.a.	n.a.	n.a.
35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
36	Non-compliant transitioned features	No	No	No
37	If yes, specify non-compliant features	n.a.	n.a.	n.a.

<sup>1)</sup>No portions of an issue have been reclassified to a lower level.

<b>Instrument 111</b>	<b>Instrument 112</b>	<b>Instrument 113</b>	<b>Instrument 114</b>	<b>Instrument 115</b>
Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
German law	German law	German law	German law	German law
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Group & solo	Group & solo	Group & solo	Group & solo	Group & solo
Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan
5	12	10	5	2
5	12	10	5	2
EUR	EUR	EUR	EUR	EUR
5	12	10	5	2
100.00%	100.00%	100.00%	100.00%	100.00%
100.00%	100.00%	100.00%	100.00%	100.00%
Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
14.07.15	14.07.15	15.07.15	15.07.15	15.07.15
Dated	Dated	Dated	Dated	Dated
14.07.31	14.07.25	15.07.30	14.07.28	15.07.26
Yes	Yes	Yes	Yes	Yes
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Fixed	Fixed	Fixed	Fixed	Fixed
3.5000%	3.1800%	3.4500%	3.5500%	3.3700%
No	No	No	No	No
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
No	No	No	No	No
Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative
Non-convertible	Non-convertible	Non-convertible	Non-convertible	Non-convertible
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.

Key features of the capital instruments		Instrument 116	Instrument 117	Instrument 118
1	Issuer	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
2	Unique identifier (e.g. CUSIP, ISIN or Bloomberg identifier for private placement)	Bilateral agreement with no third-party reference	DE000HLB0908	Bilateral agreement with no third-party reference
3	Law applicable to the instrument	German law	German law	German law
<b>Regulatory treatment</b>				
4	CRR transitional provisions: Instrument category <sup>1)</sup>	Tier 2	Tier 2	Tier 2
5	Post-transitional CRR rules	Tier 2	Tier 2	Tier 2
6	Eligible at solo / group / group & solo levels	Group & solo	Group & solo	Group & solo
7	Instrument type	Subordinated loan	Subordinated bond	Subordinated loan
8	Amount eligible as regulatory own funds (in € m, as at most recent reporting date)	3	5	10
	Par value of instrument (issue currency, in m)	3	6	10
	Issue currency	EUR	EUR	EUR
9	Par value of instrument (EUR equivalent, in € m)	3	6	10
9a	Issue price	100.00 %	99.92 %	100.00 %
9b	Redemption price	100.00 %	100.00 %	100.00 %
10	Accounting classification	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
11	Original issue date	16.07.15	21.07.15	21.07.15
12	Perpetual or dated	Dated	Dated	Dated
13	Original maturity date	16.07.25	21.07.25	21.07.25
14	Issuer call subject to prior supervisory approval	Yes	Yes	Yes
15	Optional call date and redemption amount	n.a.	n.a.	n.a.
16	Subsequent call dates, if applicable	n.a.	n.a.	n.a.
<b>Coupons / dividends</b>				
17	Fixed or floating dividend / coupon	Fixed	Fixed	Fixed
18	Coupon rate and any related index	3.2000 %	3.2000 %	3.1200 %
19	Existence of a dividend stopper	No	No	No
20a	Fully discretionary, partially discretionary or mandatory (in terms of timing)	Mandatory	Mandatory	Mandatory
20b	Fully discretionary, partially discretionary or mandatory (in terms of amount)	Mandatory	Mandatory	Mandatory
21	Existence of a step up or other incentive to redeem	No	No	No
22	Non-cumulative or cumulative	Non-cumulative	Non-cumulative	Non-cumulative
23	Convertible or non-convertible	Non-convertible	Non-convertible	Non-convertible
24	If convertible, conversion trigger(s)	n.a.	n.a.	n.a.
25	If convertible, fully or partially	n.a.	n.a.	n.a.
26	If convertible, conversion rate	n.a.	n.a.	n.a.
27	If convertible, mandatory or optional conversion	n.a.	n.a.	n.a.
28	If convertible, specify instrument type convertible into	n.a.	n.a.	n.a.
29	If convertible, specify issuer of instrument it converts into	n.a.	n.a.	n.a.
30	Write-down features	No	No	No
31	If write-down, write-down trigger(s)	n.a.	n.a.	n.a.
32	If write-down, full or partial	n.a.	n.a.	n.a.
33	If write-down, permanent / temporary / n.a.	n.a.	n.a.	n.a.
34	If temporary write-down, description of write-up mechanism	n.a.	n.a.	n.a.
35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
36	Non-compliant transitioned features	No	No	No
37	If yes, specify non-compliant features	n.a.	n.a.	n.a.

<sup>1)</sup>No portions of an issue have been reclassified to a lower level.

<b>Instrument 119</b>	<b>Instrument 120</b>	<b>Instrument 121</b>	<b>Instrument 122</b>	<b>Instrument 123</b>
Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
German law	German law	German law	German law	German law
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Group & solo	Group & solo	Group & solo	Group & solo	Group & solo
Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan
12	10	2	10	12
13	10	2	10	12
EUR	EUR	EUR	EUR	EUR
13	10	2	10	12
99.99%	100.00%	100.00%	100.00%	100.00%
100.00%	100.00%	100.00%	100.00%	100.00%
Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
24.07.15	24.07.15	28.07.15	31.07.15	31.07.15
Dated	Dated	Dated	Dated	Dated
24.07.25	24.07.25	28.07.25	31.07.30	31.07.25
Yes	Yes	Yes	Yes	Yes
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Fixed	Fixed	Fixed	Fixed	Fixed
3.0900%	3.0850%	3.0250%	3.4000%	3.0400%
No	No	No	No	No
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
No	No	No	No	No
Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative
Non-convertible	Non-convertible	Non-convertible	Non-convertible	Non-convertible
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.

Key features of the capital instruments		Instrument 124	Instrument 125	Instrument 126
1	Issuer	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
2	Unique identifier (e.g. CUSIP, ISIN or Bloomberg identifier for private placement)	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
3	Law applicable to the instrument	German law	German law	German law
<b>Regulatory treatment</b>				
4	CRR transitional provisions: Instrument category <sup>1)</sup>	Tier 2	Tier 2	Tier 2
5	Post-transitional CRR rules	Tier 2	Tier 2	Tier 2
6	Eligible at solo / group / group & solo levels	Group & solo	Group & solo	Group & solo
7	Instrument type	Subordinated loan	Subordinated loan	Subordinated loan
8	Amount eligible as regulatory own funds (in € m, as at most recent reporting date)	2	5	2
	Par value of instrument (issue currency, in m)	2	5	2
	Issue currency	EUR	EUR	EUR
9	Par value of instrument (EUR equivalent, in € m)	2	5	2
9a	Issue price	99.80 %	100.00 %	99.82 %
9b	Redemption price	100.00 %	100.00 %	100.00 %
10	Accounting classification	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
11	Original issue date	03.08.15	05.08.15	06.08.15
12	Perpetual or dated	Dated	Dated	Dated
13	Original maturity date	03.08.27	05.08.30	06.08.30
14	Issuer call subject to prior supervisory approval	Yes	Yes	Yes
15	Optional call date and redemption amount	n.a.	n.a.	n.a.
16	Subsequent call dates, if applicable	n.a.	n.a.	n.a.
<b>Coupons / dividends</b>				
17	Fixed or floating dividend / coupon	Fixed	Fixed	Fixed
18	Coupon rate and any related index	3.1900 %	3.3800 %	3.2750 %
19	Existence of a dividend stopper	No	No	No
20a	Fully discretionary, partially discretionary or mandatory (in terms of timing)	Mandatory	Mandatory	Mandatory
20b	Fully discretionary, partially discretionary or mandatory (in terms of amount)	Mandatory	Mandatory	Mandatory
21	Existence of a step up or other incentive to redeem	No	No	No
22	Non-cumulative or cumulative	Non-cumulative	Non-cumulative	Non-cumulative
23	Convertible or non-convertible	Non-convertible	Non-convertible	Non-convertible
24	If convertible, conversion trigger(s)	n.a.	n.a.	n.a.
25	If convertible, fully or partially	n.a.	n.a.	n.a.
26	If convertible, conversion rate	n.a.	n.a.	n.a.
27	If convertible, mandatory or optional conversion	n.a.	n.a.	n.a.
28	If convertible, specify instrument type convertible into	n.a.	n.a.	n.a.
29	If convertible, specify issuer of instrument it converts into	n.a.	n.a.	n.a.
30	Write-down features	No	No	No
31	If write-down, write-down trigger(s)	n.a.	n.a.	n.a.
32	If write-down, full or partial	n.a.	n.a.	n.a.
33	If write-down, permanent / temporary / n.a.	n.a.	n.a.	n.a.
34	If temporary write-down, description of write-up mechanism	n.a.	n.a.	n.a.
35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
36	Non-compliant transitioned features	No	No	No
37	If yes, specify non-compliant features	n.a.	n.a.	n.a.

<sup>1)</sup>No portions of an issue have been reclassified to a lower level.

<b>Instrument 127</b>	<b>Instrument 128</b>	<b>Instrument 129</b>	<b>Instrument 130</b>	<b>Instrument 131</b>
Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
German law	German law	German law	German law	German law
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Group & solo	Group & solo	Group & solo	Group & solo	Group & solo
Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan
7	2	1	10	5
7	2	1	10	5
EUR	EUR	EUR	EUR	EUR
7	2	1	10	5
99.42%	99.80%	100.00%	100.00%	99.79%
100.00%	100.00%	100.00%	100.00%	100.00%
Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
12.08.15	11.08.15	11.08.15	12.08.15	25.08.15
Dated	Dated	Dated	Dated	Dated
12.08.30	12.08.30	11.08.25	12.08.25	25.08.25
Yes	Yes	Yes	Yes	Yes
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Fixed	Fixed	Fixed	Fixed	Fixed
3.3400%	3.3750%	3.0300%	3.0250%	2.9200%
No	No	No	No	No
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
No	No	No	No	No
Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative
Non-convertible	Non-convertible	Non-convertible	Non-convertible	Non-convertible
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.

Key features of the capital instruments		Instrument 132	Instrument 133	Instrument 134
1	Issuer	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
2	Unique identifier (e.g. CUSIP, ISIN or Bloomberg identifier for private placement)	DE000HLB1AH8	Bilateral agreement with no third-party reference	DE000HLB1AJ4
3	Law applicable to the instrument	German law	German law	German law
<b>Regulatory treatment</b>				
4	CRR transitional provisions: Instrument category <sup>1)</sup>	Tier 2	Tier 2	Tier 2
5	Post-transitional CRR rules	Tier 2	Tier 2	Tier 2
6	Eligible at solo/group/group & solo levels	Group & solo	Group & solo	Group & solo
7	Instrument type	Subordinated bond	Subordinated loan	Subordinated bond
8	Amount eligible as regulatory own funds (in € m, as at most recent reporting date)	5	5	5
	Par value of instrument (issue currency, in m)	5	5	5
	Issue currency	EUR	EUR	EUR
9	Par value of instrument (EUR equivalent, in € m)	5	5	5
9a	Issue price	100.00 %	100.00 %	99.53 %
9b	Redemption price	100.00 %	100.00 %	100.00 %
10	Accounting classification	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
11	Original issue date	02.09.15	02.09.15	08.09.15
12	Perpetual or dated	Dated	Dated	Dated
13	Original maturity date	02.09.30	02.09.30	08.09.25
14	Issuer call subject to prior supervisory approval	Yes	Yes	Yes
15	Optional call date and redemption amount	n.a.	n.a.	n.a.
16	Subsequent call dates, if applicable	n.a.	n.a.	n.a.
<b>Coupons / dividends</b>				
17	Fixed or floating dividend/coupon	Fixed	Fixed	Fixed
18	Coupon rate and any related index	3.3400 %	3.3300 %	3.0300 %
19	Existence of a dividend stopper	No	No	No
20a	Fully discretionary, partially discretionary or mandatory (in terms of timing)	Mandatory	Mandatory	Mandatory
20b	Fully discretionary, partially discretionary or mandatory (in terms of amount)	Mandatory	Mandatory	Mandatory
21	Existence of a step up or other incentive to redeem	No	No	No
22	Non-cumulative or cumulative	Non-cumulative	Non-cumulative	Non-cumulative
23	Convertible or non-convertible	Non-convertible	Non-convertible	Non-convertible
24	If convertible, conversion trigger(s)	n.a.	n.a.	n.a.
25	If convertible, fully or partially	n.a.	n.a.	n.a.
26	If convertible, conversion rate	n.a.	n.a.	n.a.
27	If convertible, mandatory or optional conversion	n.a.	n.a.	n.a.
28	If convertible, specify instrument type convertible into	n.a.	n.a.	n.a.
29	If convertible, specify issuer of instrument it converts into	n.a.	n.a.	n.a.
30	Write-down features	No	No	No
31	If write-down, write-down trigger(s)	n.a.	n.a.	n.a.
32	If write-down, full or partial	n.a.	n.a.	n.a.
33	If write-down, permanent/temporary/n.a.	n.a.	n.a.	n.a.
34	If temporary write-down, description of write-up mechanism	n.a.	n.a.	n.a.
35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
36	Non-compliant transitioned features	No	No	No
37	If yes, specify non-compliant features	n.a.	n.a.	n.a.

<sup>1)</sup>No portions of an issue have been reclassified to a lower level.



<b>Instrument 135</b>	<b>Instrument 136</b>	<b>Instrument 137</b>	<b>Instrument 138</b>	<b>Instrument 139</b>
Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
German law	German law	German law	German law	German law
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Group & solo	Group & solo	Group & solo	Group & solo	Group & solo
Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan
12	1	3	3	5
13	1	3	3	5
EUR	EUR	EUR	EUR	EUR
13	1	3	3	5
99.91 %	97.82 %	100.00 %	100.00 %	100.00 %
100.00 %	100.00 %	100.00 %	100.00 %	100.00 %
Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
08.09.15	23.09.15	24.09.15	29.09.15	29.09.15
Dated	Dated	Dated	Dated	Dated
08.09.26	23.09.25	24.09.29	29.09.25	29.09.25
Yes	Yes	Yes	Yes	Yes
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Fixed	Fixed	Fixed	Fixed	Fixed
3.1900 %	2.7500 %	3.3400 %	3.1700 %	3.1600 %
No	No	No	No	No
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
No	No	No	No	No
Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative
Non-convertible	Non-convertible	Non-convertible	Non-convertible	Non-convertible
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.

Key features of the capital instruments		Instrument 140	Instrument 141	Instrument 142
1	Issuer	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
2	Unique identifier (e.g. CUSIP, ISIN or Bloomberg identifier for private placement)	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	XS1306576726
3	Law applicable to the instrument	German law	German law	German law
<b>Regulatory treatment</b>				
4	CRR transitional provisions: Instrument category <sup>1)</sup>	Tier 2	Tier 2	Tier 2
5	Post-transitional CRR rules	Tier 2	Tier 2	Tier 2
6	Eligible at solo/group/group & solo levels	Group & solo	Group & solo	Group & solo
7	Instrument type	Subordinated loan	Subordinated loan	Subordinated bond
8	Amount eligible as regulatory own funds (in € m, as at most recent reporting date)	67	10	40
	Par value of instrument (issue currency, in m)	67	10	40
	Issue currency	EUR	EUR	EUR
9	Par value of instrument (EUR equivalent, in € m)	67	10	40
9a	Issue price	100.00 %	100.00 %	100.00 %
9b	Redemption price	100.00 %	100.00 %	100.00 %
10	Accounting classification	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
11	Original issue date	01.10.15	01.10.15	21.10.15
12	Perpetual or dated	Dated	Dated	Dated
13	Original maturity date	01.10.25	01.10.35	21.10.30
14	Issuer call subject to prior supervisory approval	Yes	Yes	Yes
15	Optional call date and redemption amount	n.a.	n.a.	n.a.
16	Subsequent call dates, if applicable	n.a.	n.a.	n.a.
<b>Coupons / dividends</b>				
17	Fixed or floating dividend/coupon	Fixed	Fixed	Floating
18	Coupon rate and any related index	3.1500 %	3.7240 %	1.6380 %/Euribor
19	Existence of a dividend stopper	No	No	No
20a	Fully discretionary, partially discretionary or mandatory (in terms of timing)	Mandatory	Mandatory	Mandatory
20b	Fully discretionary, partially discretionary or mandatory (in terms of amount)	Mandatory	Mandatory	Mandatory
21	Existence of a step up or other incentive to redeem	No	No	No
22	Non-cumulative or cumulative	Non-cumulative	Non-cumulative	Non-cumulative
23	Convertible or non-convertible	Non-convertible	Non-convertible	Non-convertible
24	If convertible, conversion trigger(s)	n.a.	n.a.	n.a.
25	If convertible, fully or partially	n.a.	n.a.	n.a.
26	If convertible, conversion rate	n.a.	n.a.	n.a.
27	If convertible, mandatory or optional conversion	n.a.	n.a.	n.a.
28	If convertible, specify instrument type convertible into	n.a.	n.a.	n.a.
29	If convertible, specify issuer of instrument it converts into	n.a.	n.a.	n.a.
30	Write-down features	No	No	No
31	If write-down, write-down trigger(s)	n.a.	n.a.	n.a.
32	If write-down, full or partial	n.a.	n.a.	n.a.
33	If write-down, permanent/temporary/n.a.	n.a.	n.a.	n.a.
34	If temporary write-down, description of write-up mechanism	n.a.	n.a.	n.a.
35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
36	Non-compliant transitioned features	No	No	No
37	If yes, specify non-compliant features	n.a.	n.a.	n.a.

<sup>1)</sup>No portions of an issue have been reclassified to a lower level.

<b>Instrument 143</b>	<b>Instrument 144</b>	<b>Instrument 145</b>	<b>Instrument 146</b>	<b>Instrument 147</b>
Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
German law	German law	German law	German law	German law
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Group & solo	Group & solo	Group & solo	Group & solo	Group & solo
Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan
5	4	1	10	5
5	4	1	10	5
EUR	EUR	EUR	EUR	EUR
5	4	1	10	5
99.75 %	100.00 %	99.70 %	100.00 %	99.13 %
100.00 %	100.00 %	100.00 %	100.00 %	100.00 %
Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
14.10.15	16.10.15	21.10.15	23.10.15	28.10.15
Dated	Dated	Dated	Dated	Dated
14.10.30	16.10.25	21.10.30	23.10.25	28.10.30
Yes	Yes	Yes	Yes	Yes
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Fixed	Fixed	Fixed	Floating	Fixed
3.5300 %	3.1700 %	3.4700 %	1.9060 % / Euribor	3.4000 %
No	No	No	No	No
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
No	No	No	No	No
Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative
Non-convertible	Non-convertible	Non-convertible	Non-convertible	Non-convertible
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.

Key features of the capital instruments		Instrument 148	Instrument 149	Instrument 150
1	Issuer	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
2	Unique identifier (e.g. CUSIP, ISIN or Bloomberg identifier for private placement)	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
3	Law applicable to the instrument	German law	German law	German law
<b>Regulatory treatment</b>				
4	CRR transitional provisions: Instrument category <sup>1)</sup>	Tier 2	Tier 2	Tier 2
5	Post-transitional CRR rules	Tier 2	Tier 2	Tier 2
6	Eligible at solo / group / group & solo levels	Group & solo	Group & solo	Group & solo
7	Instrument type	Subordinated loan	Subordinated loan	Subordinated loan
8	Amount eligible as regulatory own funds (in € m, as at most recent reporting date)	16	15	1
	Par value of instrument (issue currency, in m)	17	15	1
	Issue currency	EUR	EUR	EUR
9	Par value of instrument (EUR equivalent, in € m)	17	15	1
9a	Issue price	100.00 %	100.00 %	100.00 %
9b	Redemption price	100.00 %	100.00 %	100.00 %
10	Accounting classification	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
11	Original issue date	02.11.15	04.11.15	10.11.15
12	Perpetual or dated	Dated	Dated	Dated
13	Original maturity date	31.10.25	04.11.25	10.11.25
14	Issuer call subject to prior supervisory approval	Yes	Yes	Yes
15	Optional call date and redemption amount	n.a.	n.a.	n.a.
16	Subsequent call dates, if applicable	n.a.	n.a.	n.a.
<b>Coupons / dividends</b>				
17	Fixed or floating dividend / coupon	Fixed	Floating	Fixed
18	Coupon rate and any related index	3.0400 %	1.9120 % / Euribor	3.1350 %
19	Existence of a dividend stopper	No	No	No
20a	Fully discretionary, partially discretionary or mandatory (in terms of timing)	Mandatory	Mandatory	Mandatory
20b	Fully discretionary, partially discretionary or mandatory (in terms of amount)	Mandatory	Mandatory	Mandatory
21	Existence of a step up or other incentive to redeem	No	No	No
22	Non-cumulative or cumulative	Non-cumulative	Non-cumulative	Non-cumulative
23	Convertible or non-convertible	Non-convertible	Non-convertible	Non-convertible
24	If convertible, conversion trigger(s)	n.a.	n.a.	n.a.
25	If convertible, fully or partially	n.a.	n.a.	n.a.
26	If convertible, conversion rate	n.a.	n.a.	n.a.
27	If convertible, mandatory or optional conversion	n.a.	n.a.	n.a.
28	If convertible, specify instrument type convertible into	n.a.	n.a.	n.a.
29	If convertible, specify issuer of instrument it converts into	n.a.	n.a.	n.a.
30	Write-down features	No	No	No
31	If write-down, write-down trigger(s)	n.a.	n.a.	n.a.
32	If write-down, full or partial	n.a.	n.a.	n.a.
33	If write-down, permanent / temporary / n.a.	n.a.	n.a.	n.a.
34	If temporary write-down, description of write-up mechanism	n.a.	n.a.	n.a.
35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
36	Non-compliant transitioned features	No	No	No
37	If yes, specify non-compliant features	n.a.	n.a.	n.a.

<sup>1)</sup>No portions of an issue have been reclassified to a lower level.

<b>Instrument 151</b>	<b>Instrument 152</b>	<b>Instrument 153</b>	<b>Instrument 154</b>	<b>Instrument 155</b>
Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference	Bilateral agreement with no third-party reference
German law	German law	German law	German law	German law
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Tier 2	Tier 2	Tier 2	Tier 2	Tier 2
Group & solo	Group & solo	Group & solo	Group & solo	Group & solo
Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan	Subordinated loan
2	5	0	10	10
2	5	1	10	10
EUR	EUR	EUR	EUR	EUR
2	5	1	10	10
100.00%	99.49%	99.00%	100.00%	100.00%
100.00%	100.00%	100.00%	100.00%	100.00%
Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost	Liability – amortised cost
10.11.15	17.11.15	18.11.15	19.11.15	02.12.15
Dated	Dated	Dated	Dated	Dated
10.11.25	17.11.25	18.11.25	19.11.25	02.12.25
Yes	Yes	Yes	Yes	Yes
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Fixed	Fixed	Fixed	Fixed	Fixed
3.1400%	3.0500%	3.0000%	3.1000%	3.0250%
No	No	No	No	No
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
No	No	No	No	No
Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative
Non-convertible	Non-convertible	Non-convertible	Non-convertible	Non-convertible
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
No	No	No	No	No
n.a.	n.a.	n.a.	n.a.	n.a.

Key features of the capital instruments		Instrument 156	Instrument 157
1	Issuer	Landesbank Hessen-Thüringen Girozentrale, AöR	Landesbank Hessen-Thüringen Girozentrale, AöR
2	Unique identifier (e.g. CUSIP, ISIN or Bloomberg identifier for private placement)	Bilateral agreement with no third-party reference	DE000HLB2DM0
3	Law applicable to the instrument	German law	German law
<b>Regulatory treatment</b>			
4	CRR transitional provisions: Instrument category <sup>1)</sup>	Tier 2	Tier 2
5	Post-transitional CRR rules	Tier 2	Tier 2
6	Eligible at solo / group / group & solo levels	Group & solo	Group & solo
7	Instrument type	Subordinated loan	Subordinated bond
8	Amount eligible as regulatory own funds (in € m, as at most recent reporting date)	3	161
	Par value of instrument (issue currency, in m)	3	166
	Issue currency	EUR	EUR
9	Par value of instrument (EUR equivalent, in € m)	3	166
9a	Issue price	100.00 %	99.00 %
9b	Redemption price	100.00 %	100.00 %
10	Accounting classification	Liability – amortised cost	Liability – amortised cost
11	Original issue date	02.12.15	18.11.15
12	Perpetual or dated	Dated	Dated
13	Original maturity date	02.12.25	18.11.25
14	Issuer call subject to prior supervisory approval	Yes	Yes
15	Optional call date and redemption amount	n.a.	n.a.
16	Subsequent call dates, if applicable	n.a.	n.a.
<b>Coupons / dividends</b>			
17	Fixed or floating dividend / coupon	Fixed	Fixed
18	Coupon rate and any related index	3.0400 %	3.0000 %
19	Existence of a dividend stopper	No	No
20a	Fully discretionary, partially discretionary or mandatory (in terms of timing)	Mandatory	Mandatory
20b	Fully discretionary, partially discretionary or mandatory (in terms of amount)	Mandatory	Mandatory
21	Existence of a step up or other incentive to redeem	No	No
22	Non-cumulative or cumulative	Non-cumulative	Non-cumulative
23	Convertible or non-convertible	Non-convertible	Non-convertible
24	If convertible, conversion trigger(s)	n.a.	n.a.
25	If convertible, fully or partially	n.a.	n.a.
26	If convertible, conversion rate	n.a.	n.a.
27	If convertible, mandatory or optional conversion	n.a.	n.a.
28	If convertible, specify instrument type convertible into	n.a.	n.a.
29	If convertible, specify issuer of instrument it converts into	n.a.	n.a.
30	Write-down features	No	No
31	If write-down, write-down trigger(s)	n.a.	n.a.
32	If write-down, full or partial	n.a.	n.a.
33	If write-down, permanent / temporary / n.a.	n.a.	n.a.
34	If temporary write-down, description of write-up mechanism	n.a.	n.a.
35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)	Ranks behind non-subordinated liabilities (i.e. satisfied after all senior unsecured creditors)
36	Non-compliant transitioned features	No	No
37	If yes, specify non-compliant features	n.a.	n.a.

<sup>1)</sup>No portions of an issue have been reclassified to a lower level.



## List of Abbreviations and Key Terms

Abbreviation	Definition
AC	Amortised cost
AIRB	Advanced IRB
AT1	Additional Tier 1 capital
BaFin	German Federal Financial Supervisory Authority (Bundesanstalt für Finanzdienstleistungsaufsicht)
CCF	Credit conversion factor
CCP	Central counterparty
CCR	Counterparty credit risk (CCR)
CDS	Credit default swap
CET1	Common Equity Tier 1 capital
CIU	Collective investment undertakings (CRSA exposure class)
COREP	Common solvency ratio reporting
CRD	Capital Requirements Directive (CRD IV)
CRM	Credit Risk Management
CRR	Capital Requirements Regulation
CRSA	Credit Risk Standardised Approach
CVA	Credit valuation adjustment
DRV	German Master Agreement
DVA	Debit value adjustment
EBA	European Banking Authority
ECB	European Central Bank
EL	Expected loss
ELLI	Risk measurement system (interest rate option risk)
EMIR	European Market Infrastructure Regulation
Euribor	Euro Interbank Offered Rate
FBA	Funding benefit adjustment
FCA	Funding cost adjustment
FINREP	Financial reporting
FIRB	Foundation IRB
FSP	Frankfurter Sparkasse
FVA	Funding valuation adjustment
FVTOCI	Fair value through other comprehensive income
FVTPL	Fair value through profit or loss
HGB	German Commercial Code (Handelsgesetzbuch)
IAA	Internal Assessment Approach for Securitisations
IAS	International Accounting Standards



<b>Abbreviation</b>	<b>Definition</b>
ICAAP	Internal Capital Adequacy Assessment Process
ILAAP	Internal Liquidity Adequacy Assessment Process
IFRS	International Financial Reporting Standards
IMA	Internal models for market risk
IRB	Internal Ratings-Based (Approach) (FIRB/AIRB)
ISDA	International Swaps and Derivatives Association
KOFIBA	Kommunalfinanzierungsbank GmbH
KPI	Key performance indicator
KWG	German Banking Act (Kreditwesengesetz)
LBS	Landesbausparkasse
LCR	Liquidity Coverage Ratio
LeDIS	Legal Database Information System
LGD	Loss Given Default
LoD	Lines of defence
MaR/VaR	Money-at-risk/value-at-risk
MaRC <sup>2</sup>	Risk measurement system (linear interest rate risk)
MTA	Minimum transfer amounts
O-SIIs	Other systemically important institutions
OTC	Over-the-counter
PD	Probability of default
RAF	Risk appetite framework
RAS	Risk appetite statement
RWAs	Risk-weighted assets
SAG	German Recovery and Resolution Act
SFA	Supervisory Formula Approach
SFTs	Securities financing transactions
SME	Small and medium-sized enterprises
SolvV	German Solvency Regulation
sMaR/sVaR	Stress money-at-risk/stress value-at-risk
T1	Tier 1 capital (T1 = CET1 + AT1)
T2	Tier 2 capital
TC	Total capital (TC = T1 + T2)
CCP	Central counterparty

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