

# Landesbank Hessen-Thueringen GZ - Mortgage Covered Bonds

## Covered Bonds / Germany

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Click on the icon to download data into Excel & to see Glossary of terms used Click here to access the covered bond programme webpage on moodys.com

Reporting as of:

30/06/2025

All amounts in EUR (unless otherwise specified)

For information on how to read this report, see the latest Moody's Covered Bonds Sector Update

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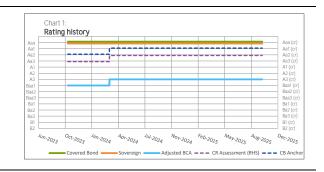
#### Data as provided to Moody's Investors Service (note 1)

## I. Programme Overview

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Total outstanding liabilities:	EUR	8,858,000,000
Total assets in the Cover Pool:	EUR	15,339,848,131
Issuer name / CR Assessment:	Landesbank Hessei	n-Thüringen / Aa2(cr)
Group or parent name / CR Assessment:		n/a

Ratings	
Covered bonds rating:	Aaa
Entity used in Moody's EL & TPI analysis:	Landesbank Hessen-Thueringen Girozentrale
CB anchor:	Aa1
CR Assessment:	Aa2(cr)
Adjusted BCA / SUR:	a3 / Aa2
Unsecured claim used for Moody's EL applysis:	Voc

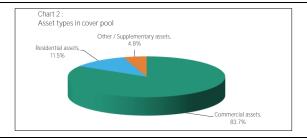


#### II. Value of the Cover Pool

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Collateral Score:	11.7%	
Collateral Score excl. systemic risk:	n/a	

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Collateral Risk (Collateral Score post-haircut):	7.8%	39%
Market Risk:	12.5%	61%
	20.3%	100%



#### III. Over-Collateralisation Levels

(notes 2 & 3) Over-Collateralisation (OC) figures presented below include Eligible only collateral

Over-Collateralisation levels are provided on any of the following: nominal basis or unstressed NPV basis or on stressed NPV basis.

Curr	ent	sl	tι	ıa	tl	on	

Committed OC (Stressed NPV):	2.0%
Current OC (Unstressed NPV):	74.6%
OC consistent with current rating (note 4)	0.0%

esides 2% committed OC on NPV basis, in accordance with German Pfandbrief Act, the issuer is also required to old additional 2% OC calculated on nominal basis.

## Sensitivity scenario CB anchor

	OC.	CONSISTENT WITH CUITEIN	rating
Scenario 1: CB anchor is lowered by	1 notch	1.5%	

## IV. Timely Payment Indicator & TPI Leeway

Timely Payment Indicator (TPI):	High
TPLL eeway:	6

## Extract from TPI table

CB Anchor	High
Aaa	Aaa
Aa1	Aaa
Aa2	Aaa
Aa3	Aaa
A1	Aaa
A2	Aaa
A3	Aaa
Baa1	Aaa
Baa2	Aa1

#### Legal framework

Does a specific covered bond law apply for this programme:	Yes, Pfandbrief Act
Main country in which collateral is based / issuer is based:	Germany / Germany
Programme setup / structure:	Bank issuer holding cover pool
-	

#### Timely principal payments

Maturity type.	JOIT DUILET
Committed liquidity reserve for principal amount of all hard bullet	bonds to be
funded at least 180 days before maturity:	n/a
Committed liquidity reserve for principal amount of all soft bullet	bonds to be
funded at least 180 days before initial maturity:	Yes
Maximum length of maturity extension:	> 6 months but ≤ 12 months
Trigger for maturity extension ('Y' means applicable, 'N' means not	t applicable):
(N) Issuer insolvency-type event(s)	(Y) Cover pool insolvency-type event(s)
(N) Issuer resolution / early intervention measure(s)	(N) Other(s)
(N) Breach of liquidity requirements (actual/potential)	
Final decision on trigger:	Administrator
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(note 1) The data reported in this PO is based on information provided by the issuer and may include certain assumptions made by Moody's accepts no responsibility for the information provided to it and, whilst it believes the assumptions it has made are reasonable, cannot

(note 1) The data reported in this PO is based on information provided by the issuer and may include certain assumptions made by Moody's. Moody's accepts no responsibility for the information provided to it and, whilst it believes the assumptions it has made are reasonable, cannot guarantee that they are or will remain accurate. Although Moody's encourages all issuers are requested to use) is available on request. Credit ratings, TPI and TPI Leeway shown in this PO are as of publication date. (one 2) This assumes the Covered Bonds rating is not constrained by the TPI. Also to the extent rating assumptions change following a downgrade or an upgrade of the Issuer, the necessary OC stated here may also change. This is especially significant in the case of CR assessments of A3(cr) or Baa1(cr), as the necessary OC following a 1 notch downgrade may then be substantially higher than the amount suggested here as market risks are considered more critically by Moody's at this time. In any event, the necessary OC amounts stated here are subject to change at anytime at Moody's discretion. (note 3) This is the minimum OC calculated to be consistent with the current rating under Moody's expected loss model. However, the level of OC consistent with a given rating level may differ from this amount where ratings are capped under the TPI framework and, for example, where committee discretion is applied. (note 4) The OC consistent with the current rating is the minimum level of over-collateralisation which is necessary to support the covered bond rating at its current level on the basis of the pool as per the cut-off date. The sensitivity run is based on certain assumptions, including that the Covered Bonds rating is not constrained by the TPI. Further, this sensitivity run is a model output only and therefore a simplification as it does not take into account certain assumptions that may change as an issuer is downgraded, and as a result the account sating as an issuer is downgraded, and as a result the account as a town of the a

current rating may be higher than shown. The OC required may also differ from the model output in situations when committee discretion is applied. In any event, the OC amounts stated here are subject to change at any time at Moody's discretion.

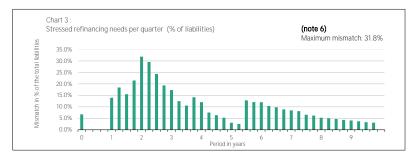
COVERED BONDS

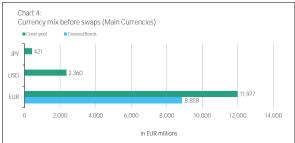
## V. Asset Liability Profile

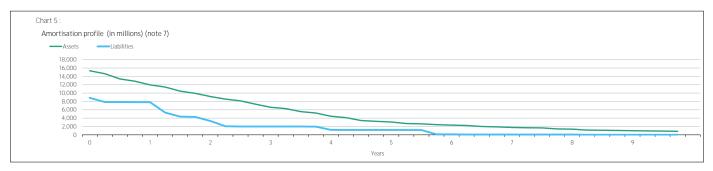
#### Interest Rate & Duration Mismatch (note 5)

Fixed rate assets in the cover pool:	60.3%
Fixed rate covered bonds outstanding:	65.9%
WAL of outstanding covered bonds:	2.2 years
floating / fixed rate	1.5 y / 2.5 y
WAL of the cover pool:	5.2 years
floating / fixed rate / time to reset	2.1 y / 7.3 y / 4.4 y

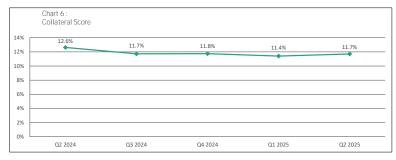
Swap Arrangements		
Interest rate swap(s) in the Cover Pool:	No	
Intra-group interest rate swap(s) provider(s):	No	
Currency swap(s) in the Cover Pool:	No	
Intra-group currency swap(s) provider(s):	No	



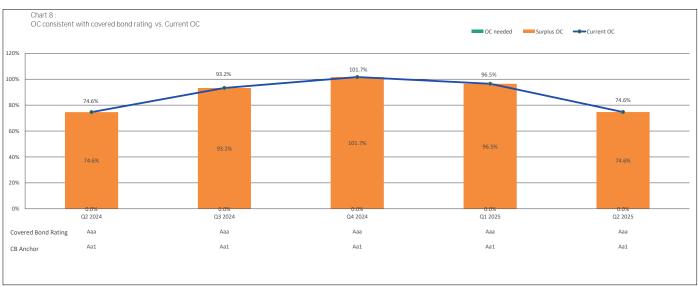




## VI. Performance Evolution







This publication does not announce a credit rating action, For any credit rating action information and rating history on https://ratings.moodys.com/tor the most updated credit rating action information and rating history

COVERED BONDS

## VII. Cover Pool Information - Residential Assets

#### Overview

Asset type:	Residential
Asset balance:	1,764,274,381
Average Ioan balance:	169,048
Number of loans:	10,436
Number of borrowers:	9,694
Number of properties:	9,703
WA remaining term (in months):	303
WA seasoning (in months):	57

#### Details on LTV

WA unindexed LTV (*)	75.6%
WA Indexed LTV:	n/a
Valuation type:	Lending Value
LTV threshold:	60.0%
Junior ranks:	n/d
Loans with Prior Ranks:	0.0%

#### Specific Loan and Borrower characteristics

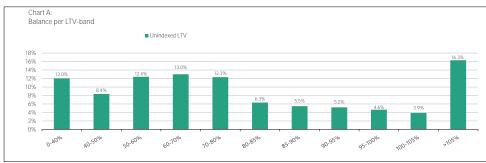
	Loans with an external guarantee in addition to a mortgage:	n/a
Ī	Interest only Loans	7.3%
	Loans for second homes / Vacation:	0.0%
_	Buy to let loans / Non owner occupied properties:	0.0%
_	Limited income verified:	0.0%
	Adverse credit characteristics (**)	0.0%

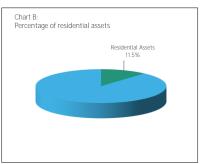
#### Performance

Loans in arrears ( ≥ 2months - < 6months):	0.0%
Loans in arrears ( ≥ 6months - < 12months):	0.0%
Loans in arrears ( ≥ 12months):	0.0%
Loans in a foreclosure procedure:	0.0%

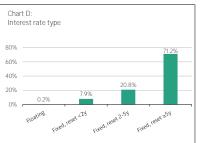
## Multi-Family Properties

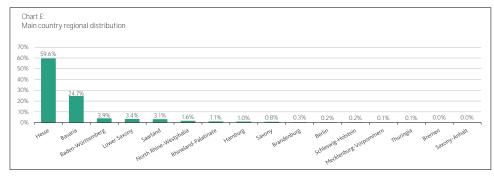
Loans to tenants of tenant-owned Housing Cooperatives:	n/a
Other type of Multi-Family loans (***)	n/a

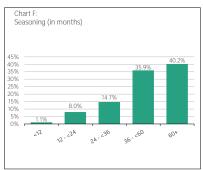


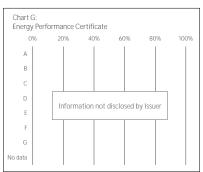












COVERED BONDS MOODY'S INVESTORS SERVICE

#### VIII. Cover Pool Information - Commercial Assets

Overview	
Asset type:	Commercial
Asset balance:	12,841,171,623
Average loan balance:	3,232,537
Number of loans:	3,972
Number of borrowers:	3,407
Largest 10 borrowers:	11.1%
Number of properties:	4,567
Main countries:	Germany (46.2%) LISA (18.4%) France (10.4%)

Specific Loan and Borrower characteris	tics
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Bullet loans:	59.6%
Main currencies:	EUR (77.1%), USD (18.4%), SEK (2.4%)
Fixed rate loans:	67.5%
Non-recourse to sponsor/initiator:	n/d

## Details on Loan Underwriting

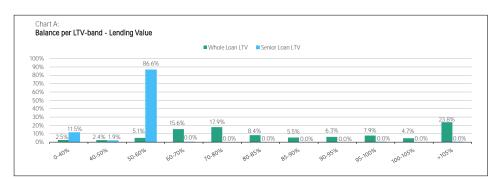
WA DSCR:	n/d
WA loan seasoning (in months):	65
WA remaining term (in months):	54

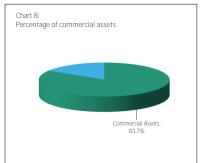
#### Details on LTV

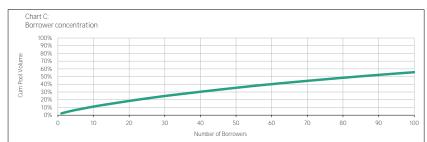
WA LTV(*):	88.8%
WA Current LTV(**):	n/d
Valuation type:	Lending Value
LTV Threshold:	60.0%

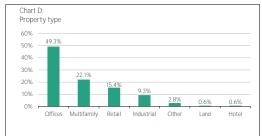
#### Performance

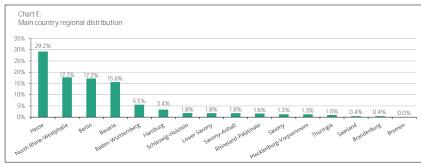
Loans in arrears ≥ 2 months:	0.0%
Loans in a foreclosure procedure:	0.0%

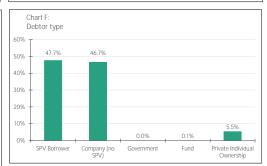


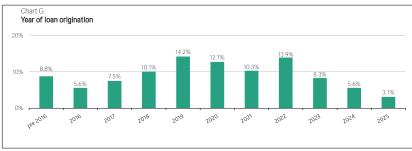


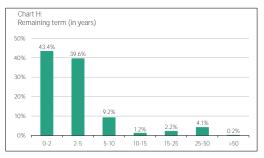


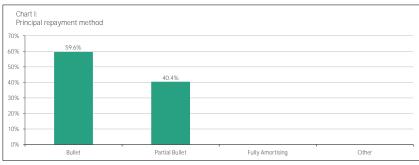


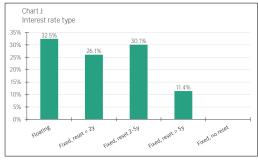












(note \*) Based on whole loan and property value at origination. (note \*\*) Based on whole loan and updated property value.

Landesbank Hessen-Thueringen GZ - Mortgage Covered Bonds

MOODY'S INVESTORS SERVICE COVERED BONDS

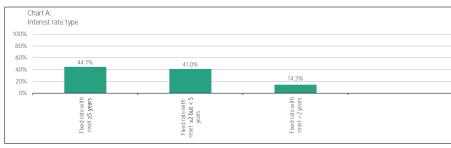
# IX. Cover Pool Information - Supplementary Assets

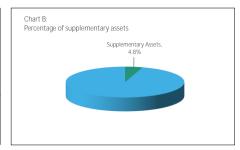
## Overview

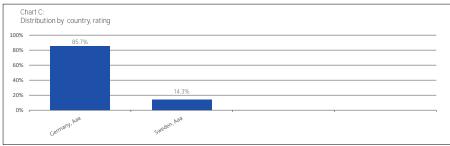
Asset type:	Supplementary Assets
Asset balance:	734,402,127
WA remaining Term (in months):	84
Number of assets:	7
Number of borrowers:	6
Average assets size:	104,914,590
Average exposure to borrowers:	122,400,354

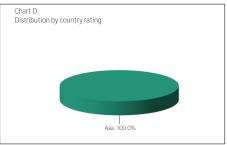
# Specific Loan and Borrower characteristics

Repo eligible assets:	100.0%
Percentage of fixed rate assets:	100.0%
Percentage of bullet assets:	0.0%
Assets in non-domestic currency:	57.4%
Performance	
Assets in arrears ( ≥ 2months - < 6months):	0.0%
Assets in arrears ( ≥ 6months - < 12months):	0.0%
Assets in arrears ( > 12months):	0.0%
Assets in a enforcement procedure:	0.0%









MOODY'S INVESTORS SERVICE COVERED BONDS

# X. Liabilities Information: Last 50 Issuances as reported by the issuer

ISIN Num  XF0000HEKEH7 n.  XS3074424188 n.  XF0000HEKD91 n.  DE000HLB45H5 n.  XS2989306506 n.  XF0000HEKBW2 n.  DE000HLB45H2 n.  DE000HLB445H2 n.  DE000HLB4348 n.  DE000HLB4330 n.  DE000HLB4330 n.  XF0000HEZB51 n.  XF0000HEZB51 n.  XF0000HEZB69 n.  XF0000HEZB69 n.  XF0000HEZB69 n.  XF0000HEZB69 n.  XS2765025817 n.  XS2765025817 n.  XF0000HEZB67 n.  XF0000HEZB67 n.  DE000HLB4336 n.  DE000HLB4316 n.  XF0000HEZB67 n.  DE000HLB4316 n.  XF0000HEZB67 n.  XF0000HEZB67 n.  XF0000HEZB67 n.  XF0000HEZB67 n.  XF0000HLB4316 n.  DE000HLB4316 n.  XF0000HEZB67 n.  XF0000HEZB67 n.  XF0000HEZB67 n.  XF0000HEZB68 n.  XF0000HEZB68 n.  XF0000HEZB68 n.  XS2536375368 n.  DE000HLB41H6 n.  XS2433126807 n.  DE000HLB4VL4 n.  XS2001346480 n.  XF0000HEYMSB n.  XF0000HEYMSB n.  XF0000HEXB83 n.  XF0000HEXZB8 n.  XF0000HEXZB8 n.  XF0000HEXZB8 n.  XF0000HEXB33 n.  XF0000HEXB33 n.  XF0000HEXB33 n.  XF0000HEXB33 n.	d d d d d d d d d d d d d d d d d d d	Amount EUR 15,000,000 EUR 750,000,000 EUR 750,000,000 EUR 10,000,000 EUR 10,000,000 EUR 5,000,000 EUR 975,000,000 EUR 10,000,000 EUR 11,5000,000 EUR 11,5000,000	Date 25/06/2025 21/05/2025 19/05/2025 19/05/2025 05/03/2025 28/11/2024 16/07/2024 16/07/2024 19/02/2024 19/02/2024 19/02/2024 19/02/2024 18/01/2024 04/10/2023 17/07/2023 24/05/2023 19/05/2023 19/05/2023 29/05/2023 20/02/2023	Maturity 25/06/2029 21/05/2029 18/05/2029 18/05/2029 18/05/2029 30/01/2031 28/11/2033 16/07/2026 21/06/2027 14/12/2026 19/02/2038 19/02/2031 18/01/2027 04/10/2038 18/07/2029 11/07/2030 24/05/2038	Maturity 25/06/2030 21/05/2030 18/05/2030 18/05/2030 05/03/2030 30/01/2032 28/11/2034 16/07/2027 21/06/2028 14/12/2027 19/02/2039 12/02/2032 18/07/2038 18/07/2030 17/07/2031 12/07/2030	Type Fixed rate	Coupon 2.375% 2.375% 2.450% 3-Monats-EURIBOR + 29 bps 2.750% 2.640% 6-Monats-EURIBOR + 11 bps 6-Monats-EURIBOR + 17 bps 6-Monats-EURIBOR + 9 bps 3.111% 3.111% 6-Monats-EURIBOR + 21 bps 6-Monats-EURIBOR + 21 bps 6-Monats-EURIBOR + 3 bps 3.717% 3.385% 3.400%	Payment Soft Bulle
X\$3074424188 n. X\$7000HEXD91 n. X\$7000HEXD91 n. X\$2989306506 n. X\$2989306506 n. X\$7000HEXBW2 n. DE000HLB44H2 n. DE000HLB4348 n. DE000HLB4330 n. X\$7000HEZB61 n. X\$7000HEZB69 n. X\$2765025817 n. X\$2751647046 n. X\$2751647046 n. X\$2751647046 n. X\$2765025817 n. DE000HLB4316 n. DE000HLB4316 n. DE000HLB4316 n. DE000HLB4316 n. DE000HLB4316 n. DE000HLB4316 n. X\$2536375368 n. X\$2536375368 n. X\$2536375368 n. X\$2536375368 n. X\$2433126807 n. DE000HLB4116 n. X\$2433126807 n. X\$2433126807 n. X\$2001346480 n. X\$1883355601 n. X\$1883355601 n. X\$1883355501 n. X\$70000HEYBC5 n. X\$70000HEYBC5 n. X\$70000HEYBC5 n. X\$70000HEYBC5 n. X\$70000HEYBC5 n. X\$70000HEYBC5 n. X\$70000HEWA85 n. X\$70000HEWA85 n. X\$70000HEWA85 n. X\$70000HEWA85 n. X\$70000HEWA85 n. X\$70000HEWA85 n.	d d d d d d d d d d d d d d d d d d d	EUR 750,000,000 EUR 10,000,000 EUR 20,000,000 EUR 20,000,000 EUR 1,000,000,000 EUR 5,000,000 EUR 975,000,000 EUR 975,000,000 EUR 975,000,000 EUR 975,000,000 EUR 20,000,000 EUR 20,000,000 EUR 5,000,000 EUR 5,000,000 EUR 5,000,000 EUR 14,000,000 EUR 14,000,000 EUR 15,000,000	21/05/2025 19/05/2025 19/05/2025 30/01/2025 30/01/2025 28/11/2024 16/07/2024 14/06/2024 19/02/2024 19/02/2024 18/01/2024 18/01/2023 18/07/2023 17/07/2023 19/05/2023	21/05/2029 18/05/2029 05/03/2029 30/01/2031 28/11/2033 16/07/2026 21/06/2027 14/12/2026 19/02/2038 12/02/2031 18/01/2027 04/10/2038 18/07/2029 17/07/2030 24/05/2038	21/05/2030 18/05/2030 05/03/2030 30/01/2032 28/11/2034 16/07/2027 21/06/2028 14/12/2027 19/02/2039 12/02/2032 18/01/2028 04/10/2039 18/07/2031	Fixed rate	2.375% 2.450% 3-Monats-EURIBOR + 29 bps 2.750% 2.640% 6-Monats-EURIBOR + 11 bps 6-Monats-EURIBOR + 17 bps 6-Monats-EURIBOR + 9 bps 3.111% 3.111% 6-Monats-EURIBOR + 21 bps 6-Monats-EURIBOR + 14 bps 3.717% 3.385%	Soft Bulle
XF0000HEKD91 n. DE000HLB45H5 n. X529893065D6 n. XF0000HEKBW2 n. DE000HLB444F2 n. DE000HLB444F2 n. DE000HLB4348 n. DE000HLB4330 n. XF0000HEZB51 n. DE000HLB4316 n. DE000HLB4316 n. DE000HLB4310 n. XF0000HEZF02 n. XS2589441943 n. XF0000HEZF02 n. XS2589441943 n. XS2589375368 n. DE000HLB4U16 n. DE000HLB4U16 n. DE000HLB4U16 n. XS233126807 n. XF0000HEWMS8 n. XF0000HEWMS8 n. XF0000HEWMS8 n. XF0000HEYBC5 n. XF0000HEWMS8 n.	d d d d d d d d d d d d d d d d d d d	EUR 10,000,000 EUR 20,000,000 EUR 5,000,000 EUR 75,000,000 EUR 975,000,000 EUR 975,000,000 EUR 975,000,000 EUR 975,000,000 EUR 20,000,000 EUR 20,000,000 EUR 20,000,000 EUR 5,000,000 EUR 5,000,000 EUR 5,000,000 EUR 14,000,000 EUR 15,000,000	19/05/2025 05/03/2025 05/03/2025 28/11/2024 16/07/2024 16/07/2024 14/06/2024 19/02/2024 19/02/2024 18/01/2024 18/01/2024 18/01/2023 18/07/2023 19/05/2023 19/05/2023	18/05/2029 05/03/2029 30/01/2031 28/11/2033 16/07/2026 21/06/2027 14/12/2026 19/02/2038 19/02/2038 12/02/2031 18/01/2027 04/10/2038 18/07/2029 17/07/2030 24/05/2038	18/05/2030 05/03/2030 30/01/2032 28/11/2034 16/07/2027 21/06/2028 14/12/2027 19/02/2039 19/02/2039 12/02/2032 18/01/2032 18/07/2032 18/07/2030 17/07/2031	Fixed rate Floating rate Fixed rate Fixed rate Fixed rate Floating rate Floating rate Floating rate Fixed rate Fixed rate Fixed rate Fixed rate Floating rate Floating rate Floating rate Floating rate Floating rate Fixed rate Fixed rate Fixed rate Fixed rate Fixed rate Fixed rate	2.450% 3-Monats-EURIBOR + 29 bps 2.750% 2.640% 6-Monats-EURIBOR + 11 bps 6-Monats-EURIBOR + 17 bps 6-Monats-EURIBOR + 9 bps 3.111% 3.111% 6-Monats-EURIBOR + 21 bps 6-Monats-EURIBOR + 14 bps 3.717% 3.335%	Soft Bulle
DE000HLB45H5  XS2989306506  R XF0000HEKBW2  R DE000HLB43F2  DE000HLB43F2  DE000HLB43F3  R DE000HLB43F3  R F0000HEZB51  R XF0000HEZB69  R XS2765025B17  R XS2751647046  R XF0000HEZB67  R TOE000HLB43H0  R DE000HLB43H0  R DE000HLB43H0  R TOE000HLB43H0  R TOE000HLB43H0  R TOE000HLB43H0  R TOE000HLB43H0  R TOE000HLB41H0  R TOE000HEVBC5  R TOE000HEVBCB	d d d d d d d d d d d d d d d d d d d	EUR 20,000,000  EUR 1,000,000  EUR 5,000,000  EUR 975,000,000  EUR 975,000,000  EUR 975,000,000  EUR 2,000,000  EUR 2,000,000  EUR 2,000,000  EUR 5,000,000  EUR 5,000,000  EUR 1,000,000  EUR 1,000,000,000	05/03/2025 30/01/2025 28/11/2024 16/07/2024 21/06/2024 14/06/2024 19/02/2024 12/02/2024 18/01/2024 18/07/2023 18/07/2023 17/07/2023 19/05/2023	05/03/2029 30/01/2031 28/11/2033 16/07/2026 21/06/2021 14/12/2026 19/02/2038 19/02/2038 12/02/2031 18/01/2027 04/10/2038 18/07/2039 18/07/2030 24/05/2038	05/03/2030 30/01/2032 28/11/2034 16/07/2027 21/06/2028 14/12/2027 19/02/2039 19/02/2039 12/02/2032 18/01/2028 04/10/2039 18/07/2030 17/07/2031	Floating rate Fixed rate Fixed rate Floating rate Floating rate Floating rate Floating rate Fixed rate Fixed rate Fixed rate Floating rate Floating rate Floating rate Floating rate Floating rate Fixed rate Fixed rate Fixed rate Fixed rate Fixed rate	3-Monats-EURIBOR + 29 bps 2.750% 2.640% 6-Monats-EURIBOR + 11 bps 6-Monats-EURIBOR + 17 bps 6-Monats-EURIBOR + 9 bps 3.111% 3.111% 6-Monats-EURIBOR + 21 bps 6-Monats-EURIBOR + 14 bps 3.717% 3.385%	Soft Bulle
XS2989306506  XF0000HERWEW2  n. DE000HLB4472  n. DE000HLB4488  n. DE000HLB4330  n. XF0000HEZ851  xF0000HEZ851  n. XF0000HEZ851  n. XF0000HEZ857  n. XS2751647046  n. XF0000HEZ867  n. DE000HLB4316  DE000HLB4316  n. DE000HLB4316  n. DE000HEZ867  n. XF0000HEZ867  n. DE000HLB4316  n. DE000HLB4316  n. DE000HLB4316  n. XF0000HEZ762  n. XF0000HEZ762  n. XF0000HEZ762  n. XF0000HEZ763  n. XS25836375368  n. DE000HLB4116  n. XS2433126807  n. XS2433126807  n. XS2931346480  n. XF0000HEW4B8  n. XF0000HEW8B5  n. XF0000HEWB55	d d d d d d d d d d d d d d d d d d d	EUR 1,000,000,000 EUR 5,000,000 EUR 975,000,000 EUR 975,000,000 EUR 975,000,000 EUR 975,000,000 EUR 2,000,000 EUR 2,000,000 EUR 2,000,000 EUR 5,000,000 EUR 5,000,000 EUR 14,000,000 EUR 14,000,000 EUR 15,000,000	30/01/2025 28/11/2024 16/07/2024 21/06/2024 14/06/2024 19/02/2024 19/02/2024 12/02/2024 18/01/2023 18/07/2023 17/07/2023 19/05/2023	30/01/2031 28/11/2033 16/07/2026 21/06/2027 14/12/2026 19/02/2038 19/02/2031 18/01/2027 04/10/2038 18/07/2029 17/07/2030 24/05/2038	30/01/2032 28/11/2034 16/07/2027 21/06/2028 14/12/2027 19/02/2039 19/02/2039 12/02/2032 18/01/2028 04/10/2039 18/07/2030 17/07/2031	Fixed rate Fixed rate Fixed rate Floating rate Floating rate Floating rate Fixed rate Fixed rate Floating rate Floating rate Floating rate Floating rate Floating rate Fixed rate Fixed rate Fixed rate Fixed rate Fixed rate	2.750% 2.640% 6-Monats-EURIBOR + 11 bps 6-Monats-EURIBOR + 17 bps 6-Monats-EURIBOR + 9 bps 3.111% 3.111% 6-Monats-EURIBOR + 21 bps 6-Monats-EURIBOR + 14 bps 3.717% 3.385%	Soft Bulle
XF0000HEKBW2 n. DE000HLB44F2 n. DE000HLB4348 n. DE000HLB4330 n. DE000HLB4330 n. XF0000HEZ851 n. XF0000HEZ851 n. XF0000HEZ867 n. XS2751647046 n. XF0000HEZ867 n. XF0000HEZ867 n. XF0000HEZ867 n. XF0000HEZ867 n. DE000HLB4316 n. DE000HLB4316 n. DE000HLB4316 n. XF0000HEZ762 n. XS2589441943 n. XF0000HEZ762 n. XS258941943 n. XS2589375368 n. DE000HLB4116 n. DE000HLB4116 n. XS2433126807 n. XS2433126807 n. XF0000HEW4NB8 n. XS1883355601 n. XF0000HEW4D5 n. XF0000HEW5C5 n. XF0000HEW6C5 n.	d d d d d d d d d d d d d d d d d d d	EUR 5,000,000 EUR 975,000,000 EUR 975,000,000 EUR 975,000,000 EUR 975,000,000 EUR 2,000,000 EUR 3,000,000 EUR 20,000,000 EUR 5,000,000 EUR 14,000,000 EUR 14,000,000 EUR 15,000,000	28/11/2024 16/07/2024 21/06/2024 21/06/2024 19/02/2024 19/02/2024 12/02/2024 12/02/2024 04/10/2023 18/07/2023 17/07/2023 19/05/2023	28/11/2033 16/07/2026 21/06/2027 14/12/2026 19/02/2038 19/02/2038 12/02/2031 18/01/2027 04/10/2038 18/07/2029 17/07/2030 24/05/2038	28/11/2034 16/07/2027 21/06/2028 14/12/2027 19/02/2039 19/02/2039 12/02/2032 18/01/2028 04/10/2039 18/07/2030 17/07/2031	Fixed rate Floating rate Floating rate Floating rate Floating rate Fixed rate Fixed rate Floating rate Floating rate Floating rate Floating rate Fixed rate Fixed rate Fixed rate Fixed rate Fixed rate	2.640% 6-Monats-EURIBOR + 11 bps 6-Monats-EURIBOR + 17 bps 6-Monats-EURIBOR + 9 bps 3.111% 3.111% 6-Monats-EURIBOR + 21 bps 6-Monats-EURIBOR + 14 bps 3.717% 3.385%	Soft Bulli
DE000HLB434F2 n. DE000HLB4334B n. DE000HLB4330 n. XF0000HE2851 n. XF0000HE2869 n. XS2765025817 n. XS2751647046 n. XS2751647046 n. XF0000HE2867 n. DE000HLB4316 n. DE000HLB4316 n. DE000HLB4316 n. DE000HLB4316 n. XF0000HE27CB n. XS258375368 n. XF0000HE27A2 n. DE000HLB4116 n. DE000HLB4116 n. DE000HLB4116 n. XS2433126807 n. XS2433126807 n. XS2433126807 n. XS2001346480 n. XF0000HEVMS8 n. XF0000HEVBC5 n.	d d d d d d d d d d d d d d d d d d d	EUR 975,000,000 EUR 975,000,000 EUR 975,000,000 EUR 275,000,000 EUR 2,000,000 EUR 3,000,000 EUR 50,000,000 EUR 50,000,000 EUR 14,000,000 EUR 14,000,000 EUR 19,000,000 EUR 19,000,000 EUR 19,000,000 EUR 19,000,000 EUR 19,000,000 EUR 15,000,000 EUR 15,000,000 EUR 15,000,000 EUR 15,000,000	16/07/2024 21/06/2024 14/06/2024 19/02/2024 19/02/2024 12/02/2024 18/01/2023 18/07/2023 17/07/2023 17/07/2023 19/05/2023	16/07/2026 21/06/2027 14/12/2026 19/02/2038 19/02/2038 12/02/2031 18/01/2027 04/10/2038 18/07/2029 17/07/2030 24/05/2038	16/07/2027 21/06/2028 14/12/2027 19/02/2039 19/02/2039 12/02/2032 18/01/2028 04/10/2039 18/07/2030 17/07/2031	Floating rate Floating rate Floating rate Fixed rate Fixed rate Floating rate Floating rate Floating rate Fixed rate Fixed rate Fixed rate Fixed rate Fixed rate	6-Monats-EURIBOR + 11 bps 6-Monats-EURIBOR + 17 bps 6-Monats-EURIBOR + 9 bps 3.111% 3.111% 6-Monats-EURIBOR + 21 bps 6-Monats-EURIBOR + 14 bps 3.717% 3.385%	Soft Bulli
DE000HLB4348  DE000HLB4330  R XF0000HE2851  XF0000HE2859  R XF0000HE2869  R XS2755025817  R XS2751647046  R XF0000HE2867  DE000HLB4316  DE000HLB4316  DE000HLB4316  R XF0000HE2762  R XF0000HE27A2  R XF0000HE27A2  R XS2586375368  DE000HLB43H0  R DE000HLB43H0  R XS2586375368  R DE000HLB44H16  R XS2433126807  R XS2433126807  R XS2001346480  R XF0000HEWNS8  R XF0000HEYMS8  R XF0000HEYMS8  R XF0000HEYBC5  R XF0000HEYBC5  R XF0000HEYBC5  R XF0000HEYBC5  R XF0000HEVBC5	d d d d d d d d d d d d d d d d d d d	EUR 975,000,000 EUR 975,000,000 EUR 2,000,000 EUR 2,000,000 EUR 3,000,000 EUR 5,000,000 EUR 5,000,000 EUR 14,000,000 EUR 19,000,000 EUR 19,000,000 EUR 18,000,000 EUR 19,000,000 EUR 19,000,000 EUR 15,000,000 EUR 15,000,000	21/06/2024 14/06/2024 19/02/2024 19/02/2024 12/02/2024 18/01/2023 18/07/2023 17/07/2023 24/05/2023 19/05/2023	21/06/2027 14/12/2026 19/02/2038 19/02/2038 12/02/2031 18/01/2027 04/10/2038 18/07/2029 17/07/2030 24/05/2038	21/06/2028 14/12/2027 19/02/2039 19/02/2039 12/02/2032 18/01/2028 04/10/2039 18/07/2030 17/07/2031	Floating rate Floating rate Fixed rate Fixed rate Floating rate Floating rate Floating rate Fixed rate Fixed rate Fixed rate Fixed rate Fixed rate	6-Monats-EURIBOR + 17 bps 6-Monats-EURIBOR + 9 bps 3.111% 3.111% 6-Monats-EURIBOR + 21 bps 6-Monats-EURIBOR + 14 bps 3.717% 3.385%	Soft Bulli
DE000HLB4330 n. XF0000HEZB651 n. XF0000HEZB69 n. XS2765025817 n. XS2751647046 n. XF0000HEZB67 n. DE000HLB4336 n. DE000HLB4336 n. DE000HLB4336 n. XF0000HEZ762 n. XF0000HEZ762 n. XF0000HEZ762 n. XF0000HEZ763 n. XF0000HEZ763 n. XF0000HEZ764 n. XS2589441943 n. XS2589441943 n. XS2589375368 n. DE000HLB42M2 n. DE000HLB4116 n. XS2433126807 n. XS2433126807 n. XS2433126807 n. XS2001346480 n. XF0000HEWNS8 n. XS1883355601 n. XF0000HEWNS8 n. XF0000HEWSC5 n. XF0000HEWSC5 n. XF0000HEWSC5 n. XF0000HEWSC5 n. XF0000HEWAS5 n.	d d d d d d d d d d d d d d d d d d d	EUR 975,000,000  EUR 2,000,000  EUR 3,000,000  EUR 20,000,000  EUR 50,000,000  EUR 15,000,000  EUR 19,000,000  EUR 8,000,000  EUR 8,000,000  EUR 19,000,000  EUR 19,000,000  EUR 10,000,000  EUR 11,000,000  EUR 15,000,000	14/06/2024 19/02/2024 19/02/2024 12/02/2024 12/02/2024 18/01/2024 04/10/2023 18/07/2023 17/07/2023 24/05/2023 19/05/2023	14/12/2026 19/02/2038 19/02/2038 12/02/2031 18/01/2027 04/10/2038 18/07/2029 17/07/2030 24/05/2038	14/12/2027 19/02/2039 19/02/2039 12/02/2032 18/01/2028 04/10/2039 18/07/2030 17/07/2031	Floating rate Fixed rate Fixed rate Floating rate Floating rate Floating rate Fixed rate Fixed rate Fixed rate Fixed rate	6-Monats-EURIBOR + 9 bps 3.111% 3.111% 6-Monats-EURIBOR + 21 bps 6-Monats-EURIBOR + 14 bps 3.717% 3.385%	Soft Bulli Soft Bulli Soft Bulli Soft Bulli Soft Bulli Soft Bulli
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XF0000HEZ869 n. XS2765025817 n. XS2751647046 n. XS2751647046 n. XF0000HEZ8G7 n. DE000HLB4316 n. DE000HLB4316 n. DE000HEZ762 n. XF0000HEZ762 n. XF0000HEZ762 n. XF0000HEZ762 n. XF0000HEZ762 n. XF0000HEZ762 n. XS2589441943 n. XS25836378368 n. DE000HLB4116 n. DE000HLB4116 n. XS2433126807 n. XS2433126807 n. XS2001346480 n. XF0000HEX868 n.	d d d d d d d d d d d d d d d d d d d	EUR 3,000,000 EUR 20,000,000 EUR 50,000,000 EUR 5,000,000 EUR 14,000,000 EUR 19,000,000 EUR 19,000,000 EUR 8,000,000 EUR 5,000,000 EUR 10,000,000 EUR 1,500,000,000 EUR 1,500,000,000	19/02/2024 12/02/2024 18/01/2024 04/10/2023 18/07/2023 17/07/2023 24/05/2023 19/05/2023	19/02/2038 12/02/2031 18/01/2027 04/10/2038 18/07/2029 17/07/2030 24/05/2038	19/02/2039 12/02/2032 18/01/2028 04/10/2039 18/07/2030 17/07/2031	Fixed rate Floating rate Floating rate Floating rate Fixed rate Fixed rate Fixed rate	3.111% 6-Monats-EURIBOR + 21 bps 6-Monats-EURIBOR + 14 bps 3.717% 3.385%	Soft Bull Soft Bull Soft Bull Soft Bull Soft Bull
X\$2765025817 n. X\$2751647046 n. X\$7000HE28G7 n. DE000HLB43J6 n. DE000HLB43J6 n. DE000HLB43J6 n. X\$7000HE27C8 n. X\$7000HE27C8 n. X\$7000HE27C8 n. X\$7000HE27C8 n. X\$7000HE27C8 n. X\$7000HE27C8 n. X\$258941943 n. X\$258941943 n. X\$258941943 n. DE000HLB41J6 n. X\$2536375368 n. DE000HLB41J6 n. X\$2433126807 n. X\$7000HEWNS8 n. X\$7883355601 n. X\$70000HEWNS8 n. X\$78000HEWNS8 n. X\$78000HEWNS8 n. X\$70000HEWNS8 n.	d d d d d d d d d d d d d d d d d d d	EUR 20,000,000 EUR 50,000,000 EUR 5,000,000 EUR 14,000,000 EUR 14,000,000 EUR 18,000,000 EUR 5,000,000 EUR 10,000,000 EUR 10,000,000 EUR 10,000,000 EUR 1,500,000,000	12/02/2024 18/01/2024 04/10/2023 18/07/2023 17/07/2023 24/05/2023 19/05/2023	12/02/2031 18/01/2027 04/10/2038 18/07/2029 17/07/2030 24/05/2038	12/02/2032 18/01/2028 04/10/2039 18/07/2030 17/07/2031	Floating rate Floating rate Fixed rate Fixed rate Fixed rate Fixed rate	6-Monats-EURIBOR + 21 bps 6-Monats-EURIBOR + 14 bps 3.717% 3.385%	Soft Bulle Soft Bulle Soft Bulle Soft Bulle
XS2751647046  XF0000HE28G7  n. DE000HLB4316  n. DE000HLB4316  n. DE000HLB43H0  XF0000HE27C8  n. XF0000HE27A2  n. XS2589441943  n. XS2586375368  n. DE000HLB4U2  n. DE000HLB4U2  n. DE000HLB4U2  n. DE000HLB4U16  n. XS2433126807  n. XS2433126807  n. XS2001346480  xF0000HEWNS8  n. XS1883355601  n. XF0000HEVBC5  n. XF0000HEVBC5  n. XF0000HEVBC5  n. XF0000HEVBC5  n. XF0000HEVBC5  n. XF0000HEVAB3  n. XF0000HEVAB3  n. XF0000HEVAB3  n. XF0000HEVAB3	d d d d d d d d d d d d d d d d d d d	EUR 5,000,000 EUR 5,000,000 EUR 14,000,000 EUR 19,000,000 EUR 8,000,000 EUR 5,000,000 EUR 10,000,000 EUR 1,500,000,000	18/01/2024 04/10/2023 18/07/2023 17/07/2023 24/05/2023 19/05/2023	18/01/2027 04/10/2038 18/07/2029 17/07/2030 24/05/2038	18/01/2028 04/10/2039 18/07/2030 17/07/2031	Floating rate Fixed rate Fixed rate Fixed rate	6-Monats-EURIBOR + 14 bps 3.717% 3.385%	Soft Bulle Soft Bulle Soft Bulle
XF0000HEZ8G7 n. DE000HLB43J6 n. DE000HLB43J6 n. XF0000HEZ7C8 n. XF0000HEZ7C8 n. XF0000HEZ7A2 n. XS2589441943 n. XS2589375368 n. DE000HLB41H6 n. DE000HLB41H6 n. DE000HLB41H6 n. XS2433126807 n. XS2001346480 n. XF0000HEWNS8 n. XF1000HEWNS8 n. XF10000HEWNS8 n. XF10000HEWNS8 n. XF0000HEWNS8 n. XF0000HEWNS8 n. XF10000HEWNS8 n.	d d d d d d d d d d d d d d d d d d d	EUR 5,000,000 EUR 14,000,000 EUR 19,000,000 EUR 8,000,000 EUR 5,000,000 EUR 10,000,000 EUR 1,500,000,000	04/10/2023 18/07/2023 17/07/2023 24/05/2023 19/05/2023	04/10/2038 18/07/2029 17/07/2030 24/05/2038	04/10/2039 18/07/2030 17/07/2031	Fixed rate Fixed rate Fixed rate	3.717% 3.385%	Soft Bulle Soft Bulle
DE000HLB43J6 n. DE000HLB43H0 n. XF0000HEZ7C8 n. XF0000HEZ7C8 n. XF0000HEZ7A2 n. XS2589441943 n. XS2586375368 n. DE000HLB41H6 n. DE000HLB41H6 n. XS2433126807 n. XS2031346480 n. XF0000HEWNB8 n. XF1000HEWNB8 n. XF10000HEWNB8 n.	d d d d d d d	EUR 14,000,000 EUR 19,000,000 EUR 8,000,000 EUR 5,000,000 EUR 10,000,000 EUR 1,500,000,000	18/07/2023 17/07/2023 24/05/2023 19/05/2023	18/07/2029 17/07/2030 24/05/2038	18/07/2030 17/07/2031	Fixed rate Fixed rate	3.385%	Soft Bulle
DE000HLB43HO n. XF0000HEZ7C8 n. XF0000HEZ7A2 n. XS2589441943 n. XS2589441943 n. XS2586375368 n. DE000HLB42M2 n. DE000HLB4116 n. XS2433126807 n. XS2433126807 n. XS2001346480 n. XF0000HEWNS8 n. XS1883355601 n. XF0000HEWSC5 n. XF0000HEWSC5 n. XF0000HEWSC5 n. XF0000HEWSC5 n. XF0000HEWSC5 n. XF0000HEWAS3 n. XF0000HEWAS3 n. XF0000HEWAS3 n. XF0000HEWAS3 n.	d d d d d d	EUR 19,000,000 EUR 8,000,000 EUR 5,000,000 EUR 10,000,000 EUR 1,500,000,000	17/07/2023 24/05/2023 19/05/2023	17/07/2030 24/05/2038	17/07/2031	Fixed rate		
XF0000HEZ7C8 n. XF0000HEZ7C8 n. XF0000HEZ7A2 n. XS2589441943 n. XS2589375368 n. DE000HLB42M2 n. DE000HLB42M2 n. DE000HLB4116 n. XS2433126807 n. DE000HLB4YL4 n. XS2001346480 n. XF0000HEYMS8 n. XF10000HEYMS8 n. XF10000HEYMS8 n. XF0000HEYMS6 n. XF0000HEYMS6 n. XF0000HEYMS6 n. XF0000HEXZB8 n. XF0000HEXZB8 n. XF0000HEXZB8 n. XF0000HEWAB3 n.	d d d d d	EUR 8,000,000 EUR 5,000,000 EUR 10,000,000 EUR 1,500,000,000	24/05/2023 19/05/2023	24/05/2038				
XF0000HEZ7A2 n. XS2589441943 n. XS25836375368 n. DE000HLB42M2 n. DE000HLB4116 n. XS2433126807 n. XS2433126807 n. XS2031346480 n. XF0000HEWNS8 n. XF10000HEWNS8 n. XF10000HEWNS8 n. XF0000HEWNS8 n.	d d d d	EUR 5,000,000 EUR 10,000,000 EUR 1,500,000,000	19/05/2023		74/05/7039	Discoulants	3.282%	Soft Bull
XS2589441943 n. XS2536375368 n. DE000HLB42M2 n. DE000HLB4116 n. XS2433126807 n. DE000HLB4114 n. XS2001346480 n. XF0000HEWNS8 n. XF1883355601 n. XF0000HEVBC5 n.	d d d	EUR 10,000,000 EUR 1,500,000,000				Fixed rate		
XS2536375368 n. DE000HLB42IM2 n. DE000HLB4116 n. XS2433126807 n. DE000HLB4YL4 n. XS2001346480 n. XF0000HEYMS8 n. XS1883355601 n. XF0000HEYBC5 n. XF0000HEYBC5 n. XF0000HEYBC5 n. XF0000HEYBC5 n. XF0000HEYBC8 n. XF0000HEYBC8 n. XF0000HEWAB3 n.	d d	EUR 1,500,000,000	20/02/2023		19/05/2044	Fixed rate	3.520%	Soft Bull
DE000HLB42M2 n. DE000HLB4116 n. XS2433126807 n. DE000HLB4YL4 n. XS2001346480 n. XF0000HEYMS8 n. XF0000HEYMS8 n. XF0000HEYBC5 n. XF0000HEXB2B n. XF0000HEXB2B n. XF0000HEXB3 n. XF0000HEWAB3 n.	d d		01/00/0000	20/02/2029	20/02/2030	Floating rate	6-Monats-EURIBOR + 3 bps	Soft Bull
DE000HLB4116 n. X52433126807 n. DE000HLB4YL4 n. X52001346480 n. XF0000HEYMS8 n. XF1883355601 n. XF0000HEYBC5 n. XF0000HEXBB n. XF0000HEXBB n. XF0000HEXBB n. XF0000HEWAB3 n.	d		21/09/2022	21/09/2026	21/09/2027	Fixed rate	2.375%	Soft Bull
XS2433126807 n. DE000HLB4YL4 n. XS2001346480 n. XF0000HEYMS8 n. XS1883355601 n. XF0000HEYBC5 n. XF0000HEXZB8 n. XF0000HEXZB8 n. XF0000HEWAB3 n. XF0000HEWAB3 n.		EUR 25,000,000	16/08/2022	16/08/2027	16/08/2028	Fixed rate	1.500%	Soft Bull
DE000HLB4YL4 n. XS2001346480 n. XF0000HEYMS8 n. XS1883355601 n. XF0000HEXPC5 n. XF0000HEXZBB n. XF0000HEXZBB n. XF0000HEWAB3 n.		EUR 35,000,000	18/02/2022	18/02/2026	18/02/2027	Fixed rate	0.500%	Soft Bulle
X\$2001346480 n. XF0000HEYM\s8 n. X\$188355601 n. XF0000HEYBC5 n. XF0000HEXBC5 n. XF0000HEXBC8 n. XF0000HEW\s6 n. XF0000HEW\s6 n.		EUR 1,250,000,000	19/01/2022	19/07/2027	19/07/2028	Fixed rate	0.010%	Soft Bull
XF0000HEYMS8 n. X51883355601 n. XF0000HEYBC5 n. XF0000HEXZB8 n. XF0000HEXWAA5 n. XF0000HEWAA5 n.		EUR 10,000,000	14/01/2020	14/01/2030	14/01/2031	Fixed rate	0.100%	Soft Bulle
X\$1883355601 n.  XF0000HEYBC5 n.  XF0000HEXZB8 n.  XF0000HEWAB5 n.  XF0000HEWAB3 n.		EUR 50,000,000	23/05/2019	14/12/2027	14/12/2028	Fixed rate	0.250%	Soft Bull
XF0000HEYBC5         n.           XF0000HEXZB8         n.           XF0000HEWAA5         n.           XF0000HEWAB3         n.		EUR 5,000,000	26/02/2019	26/02/2027	26/02/2028	Fixed rate	0.525%	Soft Bull
XF0000HEXZB8         n.           XF0000HEWAA5         n.           XF0000HEWAB3         n.		EUR 1,000,000,000	25/09/2018	25/09/2025	25/09/2026	Fixed rate	0.500%	Soft Bulle
XF0000HEWAA5 n. XF0000HEWAB3 n.		EUR 7,000,000	17/01/2018	19/01/2026	19/01/2027	Fixed rate	0.565%	Soft Bulle
XF0000HEWAB3 n.		EUR 5,000,000	26/01/2017	26/01/2027	26/01/2028	Fixed rate	0.662%	Soft Bull
		EUR 50,000,000	15/01/2010	09/09/2031	09/09/2032	Fixed rate	4.010%	Soft Bull
XF0000HEXHJ9 n.		EUR 50,000,000	15/01/2010	12/09/2033	12/09/2034	Fixed rate	4.025%	Soft Bull
	d	EUR 10,000,000	19/08/2005	19/08/2025	19/08/2026	Fixed rate	3.765%	Soft Bull

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