



"Best Investment Bank for Sustainable Financing" Global Winner BBVA Global Finance, 2021



"Best Investment Bank in Spain" BBVA Global Finance, 2021

# BBVA Investment Banking and Finance

**IBOR Transition Information** 



"Best Investment Bank in Spain" BBVA Euromoney, 2020

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## 01 – Introduction (1/2)

The purpose of this section is to summarise current market trends and latest developments of the industry regarding the IBOR transition. BBVA acts as a financial entity and does not provide financial, legal, tax advise or otherwise nor a personal recommendation

# Timing Considerations



- The regulatory message is that banks need to transition all LIBOR referenced contracts (USD, GBP, CHF and JPY) to alternative reference rates such as the Risk Free Rates (RFRs), or include robust fallbacks in contracts that permit rate switch when LIBORs cease to be published or will no longer be representative, as soon as practically possible and at least before the relevant LIBOR cessation dates
- On 5 March 2021, the FCA announced the dates on which all LIBOR settings will either cease to be published by any administrator or will no longer be representative. The following dates apply to each LIBOR currency and setting:
- All GBP, EUR, CHF and JPY LIBOR settings will either cease to be published or will no longer be representative after 31 December 2021
- For USD LIBOR settings, publication will cease or will no longer be representative:
  - (i) for one week and two month settings, after 31 December 2021
  - (ii) for overnight, one month, three month, six month and twelve month settings, after 30 June 2023
- ISDA and Bloomberg announced subsequently the 5 March 2021 as the Spread Adjustment Fixing Date for all LIBOR Tenors across all LIBOR currencies
- The Federal Reserve Board (FRB), Federal Deposit Insurance Corporation (FDIC) and Office of the Comptroller of the Currency (OCC) issued supervisory guidance encouraging banks "to cease entering into new contracts that use USD LIBOR as a reference rate as soon as practicable and in any event by December 31, 2021." While Bank of England and the Sterling RFR WG recommended to cease initiation of new GBP LIBOR-linked loans that expire after the end of 2021 by end of March 2021





- Currently RFRs are daily interest rates while LIBORs are term rates. There are some term rate curves available for these new RFRs
  for certain tenors. However, the convention is to use the daily interest rates already being published and with a large support for
  publication of such rates from the respondents (backward looking)
- **Term SOFR** is expected to become available by 2H2021 (according to the ARRC). A **Term SONIA** benchmark rate by Refinitiv has been available in 1-month, 3-month, 6-month and 12-month tenors since January 2021, whilst other **Term SONIA** rates by 2 independent benchmark administrators (FTSE Russell, IBA) are presently available as "beta version"

## 01 – Introduction (2/2)

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Economic concepts measured = Equivalent Result



• RFRs are designed to be nearly risk-free rates. As a consequence they do not incorporate any credit or liquidity premium. By contrast most IBORs are designed to provide an indication of the average rates at which submitter banks could obtain wholesale unsecured funding for set periods and incorporates both a credit premium (to reflect term bank credit risk) and a term liquidity premium (to reflect the risk inherent in longer dated funding).

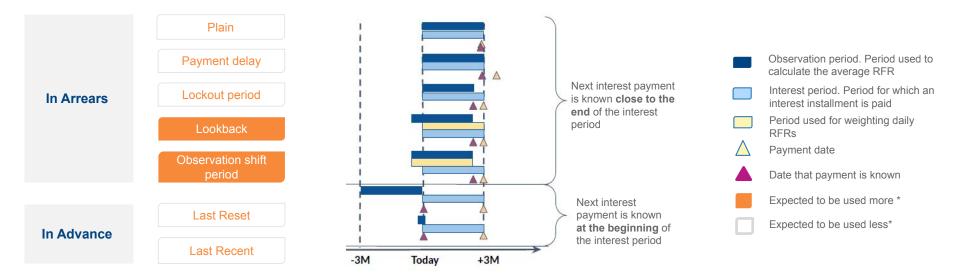


- Risk Free Rates (the Alternative Reference Rate): Overnight 'risk-free' rate after applying the agreed convention, based on the contract's particular fallback language, for each term rate (e.g. Daily Compounded SOFR in arrears with Lookback)
- Credit adjustment spread: This spread is usually calculated following ISDA methodology as the historical median over a
  five-year lookback period of the difference between the relevant RFR and LIBOR (published by Bloomberg). After the FCA
  announcement of LIBOR cessation dates, the ISDA credit adjustment spread value published by Bloomberg has been fixed.
  These fixed values can be found here
- Margin: Margin components (include funding costs and commercial margin) would be added to the Fallback Rate (RFR + Credit Adjustment Spread)

## 02 - Conventions - Interest calculation approaches

Methodologies for computing the overnight rate differ on when the interest rate will be set relative to the interest payment due date.

**Daily** interest calculation approaches for **simple** or **compounded RFR** (Illustrative example):



The European loan market is following the 5-day lookback period without observation shift or, to a smaller degree, with observation shift\*

#### In Arrears

#### Lookback

 The observation period used of daily RFR is shifted backwards "n" lag days but the weighting of the daily RFRs remains based on the calendar days of the interest period. Recommended lag is [2 to 5] business days

#### **Observation Shift Period**

Both the observation period used of daily RFR and the weighting of this RFRs shifts backwards "n" lag days.
Recommended lag is [2 to 5] business days

#### In Advance method

- Uses historical rates to determine the simple or compounded rate at the start of the interest period.
- Historical rates for the calculation of In Advance are currently available (published RFRs)

### In Advance vs forward-looking (term) rate

#### VS.

#### Forward-looking rates (RFR term rates)

- Uses forward-looking interest rates which incorporate the market's projection of future RFRs (e.g. via OIS or futures market) to determine the interest rate at the start of the interest period
- Forward-looking (term) rates require a sufficient level of liquidity in the RFR OIS markets. SONIA Term is published by Refinitv and 2 beta versions available (FTSE Russell, IBA). SOFR Term (2H2021) ..

<sup>\*</sup>According to the latest transactions published by the LMA

## 03 – Conventions and Proposed Fallbacks

# Fallback concepts

- Fallback language relates to provisions that apply if the underlying reference rate (such as the RFR) in the product (LIBOR) is discontinued/not representative and can be applied via an Amendment or Hardwired Approach and can be triggered via cessation, pre-cessation and anticipated triggers
- ARRC and LMA recommend that new production includes robust fallback clauses
- Market standards for fallback language are already available for loans (ARRC/LSTA and LMA) and derivatives (ISDA). Although there are certain differences between ARRC/LSTA and LMA recommendations

	ARRC Hardwired Fallbacks	LMA Hardwired Fallbacks	Derivatives - ISDA IBOR Fallback Supplement & Protocol
Objective	ARRC* has published LIBOR USD hardwired fallbacks for syndicated/bilateral loans during 3Q20. The LSTA published a SOFR concept credit agreement following ARRC directions	LMA has published draft fallbacks for multicurrency loans and RCF following UK Sterling WG recommendations	Enables adhering parties to add new fallbacks to new (supplement) and existing transactions (protocol) referencing an IBOR as defined by the ISDA Definitions
Approach (Adjusted reference rate waterfall)**	Step 1: Term SOFR Step 2: Daily Simple SOFR in arrears with lookback Alternatives to step 2: Daily Compounded SOFR in arrears with lookback Compound SOFR in advance Step 3: Selected Rate (Lender - if bilateral, or Borrower and Administrative Agent if syndicated)	Step 1: Daily compound SOFR/SONIA in arrears with lookback** Step 2: Compound Central bank rate Step 3: Cost of funds (optional)	Daily compound in arrears observation shift period of 2 business days
Credit adjustment Spread	Step 1 and 2: ISDA Credit Adjustment Spread (published by Bloomberg) Step 3: Selected Spread adjustment (Lender - if bilateral, or Borrower and Administrative Agent if syndicated)	Step 1:ISDA Credit Adjustment Spread (published by Bloomberg) Step 2: Central Bank Spread	<ul> <li>Spread Adjustment (median 5 years between the LIBOR and RFR)</li> <li>Bloomberg was selected to calculate and publish adjustments related to LIBOR fallbacks. Bloomberg publishes daily the Spread adjustment (the median of the historical differences between an IBOR and the RFR for a given period)</li> </ul>

- \* Please note that, for hedge loans, ARRC recommends for loans to follow the derivatives market (using ISDA IBOR fallbacks) when a perfect hedge with a standard derivative convention is required
- \*\* be rounded (not truncated) to 5 (SOFR) & 4 (SONIA) decimal points, amounts are rounded to 2 decimal points

#### **Trigger events**

- Permanent Cessation: Regulator announces that the administrator has or will cease to provide the benchmark, and there is no successor
- 2. **Pre-Cessation:** Regulator with authority over the administrator of the benchmark officially announces that the benchmark is **no longer representative**
- **3. Anticipated Triggers**: Anticipated triggers are triggers that can be initiated via contractual arrangements:



**3.2 Backstop date** (defined by the **LMA**), which can be initiated by a deadline put in place so that once all the conditions of a given contract have been fulfilled the rate switch will occur automatically. This backstop date can be moved if agreed by the requisite parties

#### **3.1 Early opt-in** (defined by the **ARRC**), which can be initiated by:

A notification by the Agent that at least [five] outstanding U.S. facilities contain (as a result of amendment or as originally executed) a SOFR-based rate as a benchmark rate the joint election by the Agent and the Borrower to trigger a fallback from USD LIBOR and the written notice of such election to the Lenders. The lenders have five business days to object to the "order on time" election.

## 04 - External links

Please find below an overview of some key links to external resources and documents which you can access for more information on the IBOR Transition:

Jurisdiction	RFRs WGs	Link to websites/docs
UK	UK Working Group on Sterling Risk- Free Reference Rates	
	Statement on behalf of the Working Group on Sterling Risk-Free Reference Rates – Recommendations for SONIA Loan Market Conventions	<u>Link</u>
	Working Group on Sterling Risk-Free Rates Detailed Loans Conventions	<u>Link</u>
	Use Cases of Benchmark Rates: Compounded in Arrears, Term Rate and Further Alternatives	<u>Link</u>
US	Alternative Reference Rates Committee (ARRC)	<u>Link</u>
	ARRC hardwired recommended fallback language for syndicated loans SOFR "In Arrears" Conventions for Syndicated Business Loans"	<u>Link</u> <u>Link</u>
	ARRC Releases Updated Recommended Hardwired Fallback Language for Bilateral Business Loans SOFR "In Arrears" Conventions for Use in Bilateral Business Loans	<u>Link</u> <u>Link</u>
	A User's Guide to SOFR	Link
SWITZERLAND	Swiss National Bank – National Working Group on Swiss Franc Reference Rates	<u>Link</u>
EU	Working Group on euro risk-free rates	<u>Link</u>
JAPAN	Bank of Japan – Study Group on Risk Free Rates	<u>Link</u>

Abbreviation	Supranational entities and relevant organizations	websites/docs
ECB	Banking Supervision ECB – European Central Bank	<u>Link</u>
FCA	FCA – Financial Conduct Authority	<u>Link</u>
FSB	FSB – Financial Stability Board	<u>Link</u>
ISDA	ISDA – International Swaps and Derivatives Association	<u>Link</u>
	ISDA 2020 IBOR Fallbacks Supplement	<u>Link</u>
	ISDA 2020 IBOR Fallbacks Protocol	<u>Link</u>
	ISDA 2020 IBOR Fallbacks Protocol (IBOR Fallbacks Protocol) FAQs	<u>Link</u>
	IRFR Conventions and IBOR Fallbacks Product Table	<u>Link</u>
LMA	LMA – Loan Market Association	<u>Link</u>
LSTA	LSTA – Loan Syndications and Trading Association	<u>Link</u>