

INDEX GUIDELINE

Solactive MBS USD Index

Version 1.1

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TABLE OF CONTENTS

Introduction 3

1. Index Specifications..... 3

 1.1. Scope Of The Index 3

 1.2. Identifiers And Publication 3

 1.3. Initial Level Of The Index 4

 1.4. Prices And Calculation Frequency 4

2. Index Selection 4

 2.1. Selection Of The Index Components 4

 2.2. Weighting Of The Index Components..... 5

3. Ordinary Rebalance..... 5

4. Corporate Actions 5

5. Definitions 6

6. History Of Index Changes 7



INTRODUCTION

This document (the “**GUIDELINE**”) is to be used as a guideline with regard to the composition, calculation and maintenance of the Solactive MBS USD Index (the “**INDEX**”). Any amendments to the rules made to the **GUIDELINE** are approved by the **OVERSIGHT COMMITTEE** specified in Section 5.5. The **INDEX** is owned, calculated, administered and published by Solactive AG (“**SOLACTIVE**”) assuming the role as administrator (the “**INDEX ADMINISTRATOR**”) under the Regulation (EU) 2016/1011 (the “**BENCHMARK REGULATION**” or “**BMR**”). The name “Solactive” is trademarked.

The text uses defined terms which are formatted with “SMALL CAPS”. Such Terms shall have the meaning assigned to them as specified in Section 6 (Definitions).

The **GUIDELINE** and the policies and methodology documents referenced herein contain the underlying principles and rules regarding the structure and operation of the **INDEX**. **SOLACTIVE** does not offer any explicit or tacit guarantee or assurance, neither pertaining to the results from the use of the **INDEX** nor the level of the **INDEX** at any certain point in time nor in any other respect. **SOLACTIVE** strives to the best of its ability to ensure the correctness of the calculation. There is no obligation for **SOLACTIVE** – irrespective of possible obligations to **ISSUERS** – to advise third parties, including investors and/or financial intermediaries, of any errors in the **INDEX**. The publication of the **INDEX** by **SOLACTIVE** does not constitute a recommendation for capital investment and does not contain any assurance or opinion of **SOLACTIVE** regarding a possible investment in a financial instrument based on this **INDEX**.

1. INDEX SPECIFICATIONS

1.1. SCOPE OF THE INDEX

- > The Index aims to track the performance of the USD denominated MBS issued by US agencies (AGENCY).
- > The Index is rebalanced monthly.
- > **INDEX COMPONENTS** are weighted according to their respective Market Values in proportion to the aggregated Market Value of all **INDEX COMPONENTS** in the index.
- > The index currency is USD.

1.2. IDENTIFIERS AND PUBLICATION

The **INDEX** is published under the following identifiers:

Name	ISIN	Currency	Type	RIC	BBG ticker
Solactive MBS USD Index	DE000SL0AYE6	USD	TR	.SOLMBSUS	-

*TR means that the **INDEX** is calculated as Gross Total Return index as described in the Bond Index Methodology, which is available on the **SOLACTIVE** website: <https://www.solactive.com/documents/bond-index-methodology/>



The INDEX is published on the website of the INDEX ADMINISTRATOR (www.solactive.com) and is, in addition, available via the price marketing services of Boerse Stuttgart AG and may be distributed to all of its affiliated vendors. Each vendor decides on an individual basis as to whether it will distribute or display the INDEX via its information systems.

Any publication in relation to the INDEX (e.g. notices, amendments to the GUIDELINE) will be available at the website of the INDEX ADMINISTRATOR: <https://www.solactive.com/news/announcements/>.

1.3. INITIAL LEVEL OF THE INDEX

The initial level of the INDEX on July 2nd 2020 is 1000. Levels of the INDEX published for a period prior to this date have been back-tested. Historical values from the this date will be recorded in accordance with Article 8 of the BMR.

1.4. PRICES AND CALCULATION FREQUENCY

The INDEX is calculated and distributed once every BUSINESS DAY based on the LAST EVALUATED BID PRICE of the INDEX COMPONENTS. Bonds added in a rebalancing are included the INDEX at the LAST EVALUATED ASK PRICE on the relevant REBALANCE DAY. Bonds which are excluded from the INDEX in a rebalance are reflected in the calculation of the level of the INDEX for the REBALANCE DAY at the LAST EVALUATED BID PRICE on the relevant REBALANCE DAY. INDEX analytical values are calculated each BUSINESS DAY using the LAST EVALUATED BID PRICE based on FIXING TIME.

2. INDEX SELECTION

On each SELECTION DAY, all bonds which meet the INDEX COMPONENT REQUIREMENTS are eligible for inclusion in the INDEX and will be added as INDEX COMPONENT on the REBALANCE DAY. Additionally, on each SELECTION DAY, it will be evaluated whether all current INDEX COMPONENTS still meet the INDEX COMPONENT REQUIREMENTS. Each INDEX COMPONENT that does not meet the INDEX COMPONENT REQUIREMENTS will be removed from the INDEX on the next REBALANCE DAY.

2.1. SELECTION OF THE INDEX COMPONENTS

The initial composition of the INDEX, as well as any selection for a rebalance (as specified in Section 3) is determined using the following rules:

- Only active senior tranches of MBS issued by AGENCIES are eligible for selection.
- The MBS must be denominated in USD.
- TIME TO MATURITY of the MBS more than 1 year from the REBALANCE DAY.
- CURRENT BALANCE of the MBS must be higher than USD 2 000 000 000.
- Only active, fixed coupon MBS are eligible for selection



- FUNGIBLE STRIPS, PRINCIPAL ONLY STRIPS and INTEREST ONLY STRIPS are excluded.
- A price from the PRICING PROVIDER must be available for each INDEX COMPONENT on each SELECTION DAY

(the “INDEX COMPONENT REQUIREMENTS”)]

The determination of the INDEX COMPONENTS is fully rule-based, and the INDEX ADMINISTRATOR has no discretion.

2.2. WEIGHTING OF THE INDEX COMPONENTS

On each REBALANCE DAY each INDEX COMPONENT is weighted using the market value based on the LAST EVALUATED BID PRICE and accrued interest as on the SELECTION DAY in order to achieve the aim of the INDEX. The weighting of the INDEX COMPONENTS will be as follows:

The INDEX COMPONENTS are weighted according to their respective Market Values in proportion to the aggregated Market Value of all INDEX COMPONENTS in the index.

3. ORDINARY REBALANCE

In order to reflect the new selection of the INDEX COMPONENTS determined on the SELECTION DAY (in accordance with Section 2.1) the INDEX is adjusted on the REBALANCE DAY after CLOSE OF BUSINESS.

For more information on the rebalance procedure please refer to the Bond Index Methodology, which is incorporated by reference and available on the SOLACTIVE website: <https://www.solactive.com/documents/bond-index-methodology/>.

SOLACTIVE will publish any changes made to the INDEX COMPONENTS with sufficient notice before the REBALANCE DAY on the SOLACTIVE webpage under the section “[Announcement](https://www.solactive.com/news/announcements/)”, which is available at <https://www.solactive.com/news/announcements/>

4. CORPORATE ACTIONS

As part of the INDEX maintenance SOLACTIVE will consider various events – also referred to as corporate actions – which result in an adjustment to the INDEX between two regular REBALANCE DAYS. Such events have a material impact on the price, weighting or overall integrity of INDEX COMPONENTS. Therefore, they need to be accounted for in the calculation of the INDEX. Adjustments to the INDEX to account for corporate actions will be made in compliance with the Bond Index Methodology.



5. DEFINITIONS

“AGENCY” are the issuers with tickers FNMA, GNMA and FHLMC.

“BENCHMARK REGULATION” shall have the meaning as defined in Section “Introduction”.

“BMR” shall have the meaning as defined in Section “Introduction”.

“BUSINESS DAY” is in relation to the index is each day, Monday to Friday, except banking holidays as defined by the New York Stock Exchange (NYSE) and SIFMA.

“CLOSE OF BUSINESS” is a time stamp when an INDEX is calculated.

“CURRENT BALANCE” is total outstanding balance of a MBS.

“FIXING TIME” is the time when the prices for the INDEX COMPONENTS are fixed for index calculation. This is specified in the Bond Index Methodology, which is available on the SOLACTIVE website: <https://www.solactive.com/documents/bond-index-methodology/>.

“GUIDELINE” shall have the meaning as defined in Section “Introduction”.

“INDEX” shall have the meaning as defined in Section “Introduction”.

“INDEX ADMINISTRATOR” shall have the meaning as defined in Section “Introduction”.

“INDEX CALCULATOR” is SOLACTIVE or any other appropriately appointed successor in this function.

“INDEX COMPONENT” is each bond reflected in the INDEX.

“INDEX COMPONENT REQUIREMENTS” shall have the meaning as defined in Section 2.1.

“INDEX CURRENCY” is the currency specified in the column “Currency” in the table in Section 1.2.

“INDEX CURRENCY COMPONENTS” is each currency on which UNDERLYING INDEX COMPONENT trades in the market.

“INDEX CURRENCY COMPONENT WEIGHT” is value resultant from the sum of all the UNDERLYING INDEX COMPONENT’S weights quoted in the respective currency.

“INDEX CURRENCY UNIVERSE” is the sum of all currencies which fulfill the INDEX CURRENCY UNIVERSE REQUIREMENTS.

“INDEX CURRENCY UNIVERSE REQUIREMENTS” shall have the meaning as defined in Section 2.1.1.

“ISSUER” is the issuing entity of the respective bond.

“LAST EVALUATED ASK PRICE” the last available evaluated ask price by the designated PRICING PROVIDER.

“LAST EVALUATED BID PRICE” the last available evaluated bid price by the designated PRICING PROVIDER.

“LAST EVALUATED MID PRICE” is the average between LAST EVALUATED ASK PRICE and LAST EVALUATED BID PRICE.

“MBS” (mortgage-backed security) is a security which has the cashflows linked to a pool of loans bought from the banks that issued them.

“OVERSIGHT COMMITTEE” shall have the meaning as defined in the Bond Index Methodology.

“PRICING PROVIDER” is Interactive Data Corporation part of the ICE group.



“PRINCIPLE ONLY STRIP” are securities which represent only the principal cash flow of a bond

“REBALANCE DAY” is the last BUSINESS DAY of the month.

“SELECTION DAY” is 8 BUSINESS DAYS before the scheduled REBALANCE DAY,

“SOLACTIVE” shall have the meaning as defined in Section “Introduction”.

“SOLACTIVE” shall have the meaning as defined in Section “Introduction”.

“SPOT” is the spot foreign exchange rate to convert the currency of the INDEX COMPONENT into the denomination of the INDEX CURRENCY.

“TRADING PRICES” in respect of an INDEX COMPONENT and a TRADING DAY is the most recent published price at which the INDEX COMPONENT was traded on the respective EXCHANGE.

“UNDERLYING INDEX COMPONENTS” is each security reflected in the composition of the UNDERLYING INDEX.

Please note that the definitions included in the Bond Index Methodology apply to this guideline. In case of a discrepancy, the definition presented in the guidelines should prevail.

6. HISTORY OF INDEX CHANGES

Version	Date	Description
1.0	02 July 2020	Index Guideline creation (<i>initial version</i>)
1.1	27 March 2024	Format Update