

INDEX GUIDELINE

Solactive Gold Backed Bond Index

Version 1.0

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INTRODUCTION

This document (the "**GUIDELINE**") is to be used as a guideline with regard to the composition, calculation and maintenance of Solactive Gold Backed Bond 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

Category	Description
Asset Class	Commodities and Fixed Income
Strategy	The INDEX replicates the performance of a hypothetical investment in the Investment Grade Corporate Bond Sector, with the return stream denominated in Gold rather than dollars. The INDEX consists of a 1x exposure to the Investment Grade Corporate Bond Sector along with a 1x exposure to the Gold Sector.
Regional Allocation	United States
Rebalancing Frequency	Monthly

1.2. IDENTIFIERS AND PUBLICATION

The INDEX is published under the following identifiers:

Name	ISIN	Currency	Type	RIC	BBG ticker
Solactive Gold Backed Bond Index	DE000SLOA7W2	USD	TR*	.SOLGLDB	SOLGLDB Index

*TR means the Index is calculated as a Total Return Index. A Total Return Index seeks to replicate the overall return from holding a portfolio consisting of the index constituents.

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 GmbH 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 the 03/01/2006, the START DATE, is 1000. Historical values from the 17/05/2021 the LIVE DATE, will be recorded in accordance with Article 8 of the BMR. Levels of the INDEX published for a period prior to the LIVE DATE have been back-tested.



1.4. PRICES AND CALCULATION FREQUENCY

The INDEX is calculated and distributed once every CALCULATION DAY at 4:57 p.m. EST based on the CLOSING PRICES of the INDEX COMPONENTS.

Should there be no current CLOSING PRICE of the INDEX COMPONENT available, the most recent CLOSING PRICE for the preceding CALCULATION DAY is used in the INDEX calculation.

1.5. LICENSING

Licenses to use the INDEX as the underlying value for financial instruments, investment funds and financial contracts may be issued to stock exchanges, banks, financial services providers and investment houses by SOLACTIVE.



2. INDEX SELECTION

The INDEX COMPONENTS are static, no selection takes place.

2.1. INDEX UNIVERSE REQUIREMENTS

Not applicable as no ordinary rebalance takes place.

2.2. SELECTION OF THE INDEX COMPONENTS

The INDEX is composed of the following two underlying instruments (each referred to as “INDEX COMPONENT”, together – “INDEX COMPONENTS”):

Component	Name	RIC	ISIN	Currency	Weight
1	Solactive Gold Front Month MD Rolling Futures Index ER	.SOLCGCER	DE000SLA2Z02	USD	100.00%
2	Solactive USD Investment Grade Corporate Index	.SOLUSIGC	DE000SLA3B58	USD	100.00%

2.3. WEIGHTING OF THE INDEX COMPONENTS

On each REBALANCE DAY, Asset Holdings of each INDEX COMPONENT is assigned a weight determined as per Section 2.2



3. REBALANCE

3.1. ORDINARY REBALANCE

The INDEX will be adjusted back to the weights described in section 2.2, on the REBALANCE DAY after CLOSE OF BUSINESS.

3.2. EXTRAORDINARY REBALANCE

The INDEX is not rebalanced extraordinarily.



4. CALCULATION OF THE INDEX

4.1. INDEX FORMULA

The level of the INDEX is calculated according to the following formula:

$$Index_t = \sum_{i=1}^2 Asset Holdings_{i,t} - Borrowings_t$$

Where:

Index_t: The level of the INDEX as of CALCULATION DAY t.

Asset Holdings_{i,t}: The Asset Holdings of an INDEX COMPONENT i as of CALCULATION DAY t.

Borrowings_t: The Borrowings as of CALCULATION DAY t.

For the avoidance of doubt, as of START DATE, t = 0, *Asset Holdings_{i,0}* = 1,000 and *Borrowings₀* = 1,000.

The Asset Holdings as of CALCULATION DAY t is calculated according to the following:

$$Asset Holdings_{i,t} = \frac{P_{i,t}}{P_{i,t-1}} * (Asset Holdings_{i,t-1} + Cash Flow_{t-1} * W_{i,t-1} + AA_{i,t-1})$$

Where:

Asset Holdings_{i,t}: The Asset Holdings of an INDEX COMPONENT i as of CALCULATION DAY t.

Asset Holdings_{i,t-1}: The Asset Holdings of an INDEX COMPONENT i as of CALCULATION DAY t-1.

P_{i,t}: The CLOSING PRICE of INDEX COMPONENT i as of CALCULATION DAY t.

P_{i,t-1}: The CLOSING PRICE of INDEX COMPONENT i as of CALCULATION DAY t-1.

W_{i,t-1}: The relative weight of the Asset Holdings of an INDEX COMPONENT i as of CALCULATION DAY t-1. As of CALCULATION DAY t this is calculated as:

$$W_{i,t} = \frac{Asset Holdings_{i,t}}{\sum_{i=1}^2 Asset Holdings_{i,t}}$$

AA_{i,t-1}: The amount of Asset Holdings of an INDEX COMPONENT i needed to achieve the desired Relative Target Asset Allocation Weight of the Asset Holdings of an INDEX COMPONENT i as of CALCULATION DAY t-1. As of CALCULATION DAY t this is calculated as:

If CALCULATION DAY t is a REBALANCE DAY, then:

$$AA_{i,t} = \sum_{i=1}^2 Asset Holdings_{i,t} * TAW_i - Asset Holdings_{i,t}$$



Otherwise:

$$AA_{i,t} = 0$$

Where:

TAW_i : The Relative Target Asset Allocation Weight of INDEX COMPONENT I, which equals to 50%.

$Cash Flow_{t-1}$: The amount of Borrowings needed to achieve the desired TOTAL EXPOSURE LEVEL as of CALCULATION DAY t-1. The Cash Flow as of CALCULATION DAY t is calculated according to the following:

If CALCULATION DAY t is a REBALANCE DAY, then:

$$Cash Flow_t = Index_t - Borrowings_t$$

Otherwise:

$$Cash Flow_t = 0$$

Where:

$Index_t$: The level of the INDEX as of CALCULATION DAY t.

$Borrowings_t$: The Borrowings as of CALCULATION DAY t.

The Borrowings as of CALCULATION DAY t is calculated according to the following:

$$Borrowings_t = Borrowings_{t-1} + Cash Flow_{t-1}$$

Where:

$Borrowings_t$: The Borrowings as of CALCULATION DAY t.

$Borrowings_{t-1}$: The Borrowings as of CALCULATION DAY t-1.

$Cash Flow_{t-1}$: The amount of Borrowings needed to achieve the desired TOTAL EXPOSURE LEVEL as of CALCULATION DAY t-1.

4.2. ACCURACY

The level of the INDEX will be rounded to 2 decimal places. CLOSING PRICES will be rounded to 2 decimal places for the Closing Calculation of the INDEX level.

4.3. RECALCULATION

SOLACTIVE makes the greatest possible efforts to accurately calculate and maintain its indices. However, errors in the determination process may occur from time to time for variety reasons (internal or external)



and therefore, cannot be completely ruled out. SOLACTIVE endeavors to correct all errors that have been identified within a reasonable period of time. The understanding of "a reasonable period of time" as well as the general measures to be taken are generally depending on the underlying and is specified in the SOLACTIVE Correction Policy, which is incorporated by reference and available on the SOLACTIVE website: <https://www.solactive.com/documents/correction-policy/>.

4.4. MARKET DISRUPTION

In periods of market stress SOLACTIVE calculates its indices following predefined and exhaustive arrangements as described in the SOLACTIVE Disruption Policy, which is incorporated by reference and available on the SOLACTIVE website: <https://www.solactive.com/documents/disruption-policy/>. Such market stress can arise due to a variety of reasons, but generally results in inaccurate or delayed prices for one or more INDEX COMPONENTS. The determination of the INDEX may be limited or impaired at times of illiquid or fragmented markets and market stress.



5. MISCELLANEOUS

5.1. DISCRETION

Any discretion which may need to be exercised in relation to the determination of the INDEX (for example the determination of the INDEX UNIVERSE (if applicable), the selection of the INDEX COMPONENTS (if applicable) or any other relevant decisions in relation to the INDEX) shall be made in accordance with strict rules regarding the exercise of discretion or expert judgement.

5.2. METHODOLOGY REVIEW

The methodology of the INDEX is subject to regular review, at least annually. In case a need of a change of the methodology has been identified within such review (e.g. if the underlying market or economic reality has changed since the launch of the INDEX, i.e. if the present methodology is based on obsolete assumptions and factors and no longer reflects the reality as accurately, reliably and appropriately as before), such change will be made in accordance with the SOLACTIVE Methodology Policy, which is incorporated by reference and available on the SOLACTIVE website: <https://www.solactive.com/documents/methodology-policy/>.

Such change in the methodology will be announced on the SOLACTIVE website under the Section "Announcement", which is available at <https://www.solactive.com/news/announcements/>. The date of the last amendment of this INDEX is contained in this GUIDELINE.

5.3. CHANGES IN CALCULATION METHOD

The application by the INDEX ADMINISTRATOR of the method described in this document is final and binding. The INDEX ADMINISTRATOR shall apply the method described above for the composition and calculation of the INDEX. However, it cannot be excluded that the market environment, supervisory, legal and financial or tax reasons may require changes to be made to this method. The INDEX ADMINISTRATOR may also make changes to the terms and conditions of the INDEX and the method applied to calculate the INDEX that it deems to be necessary and desirable in order to prevent obvious or demonstrable error or to remedy, correct or supplement incorrect terms and conditions. The INDEX ADMINISTRATOR is not obliged to provide information on any such modifications or changes. Despite the modifications and changes, the INDEX ADMINISTRATOR will take the appropriate steps to ensure a calculation method is applied that is consistent with the method described above.



5.4. TERMINATION

SOLACTIVE makes the greatest possible efforts to ensure the resilience and continued integrity of its indices over time. Where necessary, SOLACTIVE follows a clearly defined and transparent procedure to adapt Index methodologies to changing underlying markets (see Section 5.2 "Methodology Review") in order to maintain continued reliability and comparability of the indices. Nevertheless, if no other options are available the orderly cessation of the INDEX may be indicated. This is usually the case when the underlying market or economic reality, which an index is set to measure or to reflect, changes substantially and in a way not foreseeable at the time of inception of the index, the index rules, and particularly the selection criteria, can no longer be applied coherently or the index is no longer used as the underlying value for financial instruments, investment funds and financial contracts.

SOLACTIVE has established and maintains clear guidelines on how to identify situations in which the cessation of an index is unavoidable, how stakeholders are to be informed and consulted and the procedures to be followed for a termination or the transition to an alternative index. Details are specified in the SOLACTIVE Termination Policy, which is incorporated by reference and available on the SOLACTIVE website: <https://www.solactive.com/documents/termination-policy/>.

5.5. OVERSIGHT

An oversight committee composed of staff from SOLACTIVE and its subsidiaries (the "**OVERSIGHT COMMITTEE**") is responsible for decisions regarding any amendments to the rules of the INDEX. Any such amendment, which may result in an amendment of the GUIDELINE, must be submitted to the OVERSIGHT COMMITTEE for prior approval and will be made in compliance with the Methodology Policy, which is available on the SOLACTIVE website: <https://www.solactive.com/documents/methodology-policy/>.



6. DEFINITIONS

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

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

“**BUSINESS DAY**” is a day on which New York Stock Exchange (MIC: XNYS) is open for general business.

“**CALCULATION DAY**” is a day on which New York Stock Exchange is not open for general business is not a CALCULATION DAY.

“**CLOSE OF BUSINESS**” is the calculation time of the closing level of the INDEX as outlined in Section 1.4.

The “**CLOSING PRICE**” in respect of an INDEX COMPONENT and a CALCULATION DAY is a security's final regular-hours INDEX PRICE as calculated and published by SOLACTIVE.

“**EXCHANGE**” means New York Stock Exchange.

“**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 COMPONENT**” is each security reflected in the INDEX.

“**INDEX COMPONENT REQUIREMENTS**” shall have the meaning as defined in Section 2.2.

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

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

“**INDEX UNIVERSE**” is the sum of all financial instruments which fulfill the INDEX UNIVERSE REQUIREMENTS.

“**LIVE DATE**” shall have the meaning as defined in Section 1.3.

“**OVERSIGHT COMMITTEE**” shall have the meaning as defined in Section 5.5.

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

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

“**START DATE**” shall have the meaning as defined in Section 1.3.

“**TOTAL EXPOSURE LEVEL**” is the sum of the exposure levels defined in Section 2.2 under “Weight”.

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