

# INDEX GUIDELINE

SOLACTIVE EUROPEAN HIGH YIELD BOND FUNDS III 4% RC 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 the Solactive European High Yield Bond Funds III 4% RC Index (the “INDEX”). Any amendments to the rules made to the GUIDELINE are approved by the INDEX 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	Fund
Strategy	Representation of a basket of selected Mutual Funds with a volatility target layer on top.
Regional Allocation	Europe
Volatility Target	4%
Rebalancing Frequency	Daily

## 1.2. IDENTIFIERS AND PUBLICATION

The INDEX is published under the following identifiers:

Name	ISIN	Currency	Type	RIC	BBG ticker
Solactive European High Yield Bond Funds III 4% RC Index	DE000SL0QDA4	EUR	ER*	.SOLAHYE4	SOLAHYE4 Index

\*ER means that the index is calculated as Excess Return.

The INDEX is published on the website of the INDEX ADMINISTRATOR ([www.solactive.com](http://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 2009-02-03, the START DATE, is 949.081. Index levels from 2025-03-06, 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 level of the INDEX is calculated on each CALCULATION DAY based on the most recently available Fund NAV provided by the FUND MANAGER and the 3-month Euribor Rate.



## 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

As this INDEX is based on a static basket, 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 based on the following Mutual Fund basket, (each referred as “FUND” or “INDEX COMPONENT”, together referred as the “BASKET”):

Name	Ticker	ISIN	Currency	Start Date	Weight
Candriam Bonds Euro High Yield	DEXHYLN LX Equity	LU0144751095	EUR	2015-11-26	1/3
BNP Paribas Funds - Euro High Yield Bond	FOCHYEC LX Equity	LU0823380802	EUR	2015-11-26	1/3
Barings European High Yield Bond Fund	BAEHEEA ID Equity	IE00BC1J0L00	EUR	2015-11-26	1/3

For backtest purposes, the following funds and respective weights are, used prior to 2015-11-26:

Name	Ticker	ISIN	Currency	Start Date	Weight
Candriam Bonds Euro High Yield	DEXHYLN LX Equity	LU0144751095	EUR	2008-12-22	1/2
BNP Paribas Funds - Euro High Yield Bond	FOCHYEC LX Equity	LU0823380802	EUR	2008-12-22	1/2

### 2.3. WEIGHTING OF THE INDEX COMPONENTS

On each CALCULATION DAY each INDEX COMPONENT is assigned a weight determined as per Section 4.1.



## 3. REBALANCE

### 3.1. ORDINARY REBALANCE

The INDEX is not rebalanced.

### 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:

$$Index_t = Index_{t-1} * \left( 1 + e_{t-1} \times \left( \frac{Basket_t}{Basket_{t-1}} - 1 - (rate_{t-1}) \times \frac{DCF_{t,t-1}}{360} \right) \right)$$

Where:

$Index_t$ : The level of the INDEX as of CALCULATION DAY t. The level of the INDEX as of the START DATE is set at 1000.

$Index_{t-1}$ : The level of the INDEX as of CALCULATION DAY t-1.

$Basket_t$ : The level of the BASKET as of CALCULATION DAY t.

$Basket_{t-1}$ : The level of the BASKET as of CALCULATION DAY t-1.

$e_{t-1}$ : The exposure as of CALCULATION DAY t-1.

$rate_{t-1}$ : The most recent available EURIBOR 3-month rate (RIC: EURIBOR3M=) as of CALCULATION DAY t-1. If, at the time of INDEX calculation, the *rate* is not available as of t-1, the most recent available *rate* is used.

$DCF_{t,t-1}$ : The number of calendar days between CALCULATION DAY t (including) and CALCULATION DAY t-1 (excluding).

### 4.2. BASKET CALCULATION

The level of the BASKET, as of CALCULATION DAY t, is calculated as according to the following formula:

$$Basket_t = Basket_{t-1} * \sum_{i=1}^3 w_i * \frac{NAV_{i,t}}{NAV_{i,t-1}}$$

Where:

$Basket_t$ : The level of the BASKET, as of CALCULATION DAY, t. The level of the BASKET as of the START DATE is set at 1000.

$Basket_{t-1}$ : The level of the BASKET, as of CALCULATION DAY, t-1.

$NAV_t$ : The NAV of FUND, i, as of CALCULATION DAY t.



$NAV_{t-1}$ : The NAV of FUND, i, as of CALCULATION DAY t-1.

$w_i$ : The weight of FUND, i, as defined in Section 2.1.

### 4.3. EXPOSURE CALCULATION

The exposure as of CALCULATION DAY t, is calculated according to the following formula:

$$e_t = \min\left(\maxExp, \frac{targetVol}{VolFund_{t-1}}\right)$$

Where:

$\maxExp$ : The maximum exposure, which equals 200%.

$targetVol$ : The level of the target volatility of 4%.

$VolFund_{t-1}$ : The realized volatility of the FUND as of CALCULATION DAY t-1.

The realized volatility as of CALCULATION DAY t is calculated according to the following formula:

$$VolFund_t = \sqrt{\frac{252}{20} \times \sum_{i=0}^{19} \left[ \log\left(\frac{Basket_{t-i}}{Basket_{t-i-1}}\right) \right]^2}$$

Where:

$Basket_{t-i}$ : The value of the *Basket* as of the CALCULATION DAY which is i CALCULATION DAYS prior to CALCULATION DAY t.

$Basket_{t-i-1}$ : The values of the *Basket* as of the CALCULATION DAY which is i+1 CALCULATION DAYS prior to CALCULATION DAY t.

log: is the natural logarithm function.

### 4.4. ACCURACY

The level of the INDEX will be rounded to 2 decimal places.

### 4.5. 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. Corporate actions will be



implemented from the cum-day to the ex-day of the corporate action, so that the adjustment to the INDEX coincides with the occurrence of the price effect of the respective corporate action.

Adjustments to the INDEX to account for corporate actions will be made in compliance with the Equity Index Methodology, which is available on the SOLACTIVE website: <https://www.solactive.com/documents/equity-index-methodology/>. This document contains for each corporate action a brief definition and specifies the relevant adjustment to the INDEX variables.

While SOLACTIVE aims at creating and maintaining its methodology for the treatment of corporate actions as generic and transparent as possible and in line with regulatory requirements, it retains the right in accordance with the Equity Index Methodology to deviate from these standard procedures in case of any unusual or complex corporate action or if such a deviation is made to preserve the comparability and representativeness of the INDEX over time.

SOLACTIVE considers the following, but not conclusive, list of corporate actions as relevant for the INDEX maintenance:

- > Cash Distributions (e.g. payment of a dividend)
- > Stock distributions (e.g. payment of a dividend in form of additional shares)
- > Stock distributions of another company (e.g. payment of a dividend in form of additional shares of another company (e.g. of a subsidiary))
- > Share splits (company's present shares are divided and therefore multiplied by a given factor)
- > Reverse splits (company's present shares are effectively merged)
- > Capital increases (such as issuing additional shares)
- > Share repurchases (a company offer its shareholders the option to sell their shares to a fixed price)
- > Spin-offs (the company splits its business activities into two or more entities and distributes new equity shares in the created entities to the shareholders of the former entity)
- > Mergers & Acquisitions (transaction in which the ownership of a company (or other business organizations) are transferred or consolidated with other entities, e.g. fusion of two or more separate companies into one entity)
- > Delistings (company's shares are no longer publicly traded at a stock exchange)
- > Nationalization of a company (effective control of a legal entity is taken over by a state)
- > Insolvency

## 4.6. 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/>.

## 4.7. 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](https://www.solactive.com/news/announcements/)”, 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. INDEX COMMITTEE

An index committee composed of staff from SOLACTIVE and its subsidiaries (the “INDEX 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 INDEX 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

“BASKET” shall have the meaning as defined in Section 2.2.

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

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

“CALCULATION DAY” shall mean any weekday on which all funds specified in the Section 2 have published a NAV.

“EXCHANGE” is with respect to the INDEX and every INDEX COMPONENT, the respective exchange where the INDEX COMPONENT has its listing as determined in accordance with the rules in Section 2.

“FUND” shall have the meaning as defined in Section 2.2.

“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” 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.

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

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

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



## 7. HISTORY OF INDEX CHANGES

Version	Date	Description
1.0	04 March 2025	Index Guideline creation ( <i>initial version</i> )

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