

# INDEX GUIDELINE

*SOLACTIVE ISS ESG SCREENED UCITS INDEX SERIES*

*Version 1.2*

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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 ISS ESG SCREENED UCITS INDEX SERIES (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	Equity
Strategy	The Solactive ISS ESG Screened UCITS Index Series aims to track various size and regional segments of the global stock market including only companies operating in accordance with market standards on ESG controversy screens. Those standards are based on established norms such as the United Nations Global Compact and the exclusion of significant involvement in defined sectors. The Indices aim to cover current and future regulation on ESG investments and also include a focus on issues related to climate change. Index constituents are weighted according to Free Float Market Capitalization subject to the weight constraints postulated in the European UCITS directive and commonly referred to as the "5/10/40 rule". Constituent weights are reviewed on a monthly basis for compliance with the aforementioned constraints.
Regional Allocation	Global Markets
Rebalancing Fee	-
Rebalancing Frequency	Quarterly

## 1.2. IDENTIFIERS AND PUBLICATION

The INDEX is published under the following identifiers:

Name	ISIN	Currency	Type	RIC	BBG ticker
Solactive ISS ESG Screened GM Asia ex Japan UCITS Index PR	DE000SLA7Y32	EUR	PR*	.SESGAJUP	-
Solactive ISS ESG Screened GM Asia ex Japan UCITS Index NTR	DE000SLA7Y40	EUR	NTR*	.SESGAJUN	SESGAJUN
Solactive ISS ESG Screened GM Asia ex Japan UCITS Index TR	DE000SLA7Y57	EUR	GTR*	.SESGAJUT	-
Solactive ISS ESG Screened Brazil Small & Mid Cap UCITS Index PR	DE000SLA7Y99	EUR	PR*	.SESGBRUP	-



Solactive ISS ESG Screened Brazil Small & Mid Cap UCITS Index NTR	DE000SLA7ZA5	EUR	NTR*	.SESGBRUN	SESGBRUN
Solactive ISS ESG Screened Brazil Small & Mid Cap UCITS Index TR	DE000SLA7ZB3	EUR	GTR*	.SESGBRUT	-
Solactive ISS ESG Screened EM EMEA UCITS Index PR	DE000SLA7ZF4	EUR	PR*	.SESGEAUP	-
Solactive ISS ESG Screened EM EMEA UCITS Index NTR	DE000SLA7ZG2	EUR	NTR*	.SESGEAUN	SESGEAUN
Solactive ISS ESG Screened EM EMEA UCITS Index TR	DE000SLA7ZH0	EUR	GTR*	.SESGEAUT	-
Solactive ISS ESG Screened Golden Dragon UCITS Index PR	DE000SLA7ZM0	EUR	PR*	.SESGGDUP	-
Solactive ISS ESG Screened Golden Dragon UCITS Index NTR	DE000SLA7ZN8	EUR	NTR*	.SESGGDUN	SESGGDUN
Solactive ISS ESG Screened Golden Dragon UCITS Index TR	DE000SLA7ZP3	EUR	GTR*	.SESGGDUT	-
Solactive ISS ESG Screened DM Health Care UCITS Index PR	DE000SLA7ZT5	EUR	PR*	.SESGHCUP	-
Solactive ISS ESG Screened DM Health Care UCITS Index NTR	DE000SLA7ZU3	EUR	NTR*	.SESGHCUN	SESGHCUN
Solactive ISS ESG Screened DM Health Care UCITS Index TR	DE000SLA7ZV1	EUR	GTR*	.SESGHCUT	-
Solactive ISS ESG Screened Latin America Large, Mid & Small Cap UCITS Index PR	DE000SLA7ZZ2	EUR	PR*	.SESGLAUP	-
Solactive ISS ESG Screened Latin America Large, Mid & Small Cap UCITS Index NTR	DE000SLA7Z07	EUR	NTR*	.SESGLAUN	SESGLAUN
Solactive ISS ESG Screened Latin America Large, Mid & Small Cap UCITS Index TR	DE000SLA7Z15	EUR	GTR*	.SESGLAUT	-
Solactive ISS ESG Screened EM EMEA ex Saudi Arabia UCITS Index NTR	DE000SLA70D1	EUR	NTR*	.SESGEAXU	SESGEAXU

\*PR, NTR, GTR means that the Index is calculated as PR\*, NTR\*, gross total return Index as described in the Equity Index Methodology, which is available on the SOLACTIVE website: <https://www.solactive.com/documents/equity-index-methodology/>



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 the 31/12/2018, the START DATE, is 1000. Historical values from the LIVE DATE will be recorded in accordance with Article 8 of the BMR. The LIVE DATE of the Index is indicated in the table below:

Index	LIVE DATE
Solactive ISS ESG Screened GM Asia ex Japan UCITS Index	30 April 2019
Solactive ISS ESG Screened Golden Dragon UCITS Index	30 April 2019
Solactive ISS ESG Screened DM Health Care UCITS Index	30 April 2019
Solactive ISS ESG Screened Latin America Large, Mid & Small Cap UCITS Index	30 April 2019
Solactive ISS ESG Screened EM EMEA ex Saudi Arabia UCITS Index NTR	3 May 2019
Solactive ISS ESG Screened EM EMEA UCITS Index	3 May 2019
Solactive ISS ESG Screened Brazil Small & Mid Cap UCITS Index	17 May 2019

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 from 9:00 a.m. to 10:30 p.m. CET based on the TRADING PRICES on the EXCHANGES on which the INDEX COMPONENTS are listed. TRADING PRICES of INDEX COMPONENTS not listed in the INDEX CURRENCY are converted using the current Intercontinental Exchange (ICE) spot foreign exchange rate. Should there be no current TRADING PRICE for an INDEX COMPONENT, the later of: (i) the most recent CLOSING PRICE; or (ii) the last available TRADING PRICE for the preceding TRADING DAY is used in the calculation.

In addition to the intraday calculation a closing level of the INDEX for each CALCULATION DAY is also calculated. This closing level is based on the CLOSING PRICES for the INDEX COMPONENTS on the respective EXCHANGES on which the INDEX COMPONENTS are listed. The CLOSING PRICES of INDEX COMPONENTS not listed in the INDEX CURRENCY are converted using the 04:00 p.m. London time WM Fixing quoted by Reuters. If there is no 04:00 p.m. London time WM Fixing for the relevant CALCULATION DAY, the last available 04:00 p.m. London time WM Fixing will be used for the closing level 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

On each SELECTION DAY, the INDEX ADMINISTRATOR will revise the composition of the INDEX.

In a first step, the INDEX ADMINISTRATOR determines the INDEX UNIVERSE in accordance with Section 2.1. The INDEX UNIVERSE comprises all those financial instruments which fulfill the INDEX UNIVERSE REQUIREMENTS (as specified in Section 2.1) and will constitute a starting pool from which the components of the INDEX will be selected. Based on this INDEX UNIVERSE, the new composition of the INDEX will be determined by applying the rules outlined in Section 2.2.

Each new INDEX COMPONENT will be assigned a weight as described in Section 2.3.

### 2.1. INDEX UNIVERSE REQUIREMENTS

The INDEX UNIVERSE is comprised of all financial instruments which fulfill the below requirements (the "INDEX UNIVERSE REQUIREMENTS"):

Index	Index Universe
Solactive ISS ESG Screened GM Asia ex Japan UCITS Index	Component of the GBS INDEX UNIVERSE of the: <ul style="list-style-type: none"> <li>&gt; Solactive GBS Hong Kong Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA4H51)</li> <li>&gt; Solactive GBS China Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA4WM4)</li> <li>&gt; Solactive GBS Taiwan Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA80J7)</li> <li>&gt; Solactive GBS South Korea Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA86P1)</li> <li>&gt; Solactive GBS Singapore Large &amp; Mid Cap Index PR (ISIN: DE000SLA4SS9)</li> <li>&gt; Solactive GBS Malaysia Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA85G2)</li> <li>&gt; Solactive GBS Thailand Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA8ZX5)</li> <li>&gt; Solactive GBS Indonesia Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA87G8)</li> <li>&gt; Solactive GBS India Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA88B7)</li> <li>&gt; Solactive GBS Philippines Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA83M5)</li> <li>&gt; on a SELECTION DAY, as published on the Solactive website: <a href="https://www.solactive.com">https://www.solactive.com</a>.</li> </ul>
Solactive ISS ESG Screened Brazil Small & Mid Cap UCITS Index	1. Component of the GBS INDEX UNIVERSE of the: <ul style="list-style-type: none"> <li>&gt; Solactive GBS Brazil All Cap USD Index PR (ISIN: DE000SLA4T08)</li> </ul>





	<p>on a SELECTION DAY, as published on the Solactive website:  <a href="https://www.solactive.com">https://www.solactive.com</a>.</p> <ol style="list-style-type: none"> <li>2. All stocks are sorted by TOTAL MARKET CAPITALIZATION in descending order</li> <li>3. Securities placed in the top 70% of the accumulated (from highest to lowest-ranking) FREE FLOAT MARKET CAPITALIZATION are excluded</li> <li>4. Securities placed in the bottom 1% of the accumulated FREE FLOAT MARKET CAPITALIZATION are excluded</li> </ol> <p>Share lines of a single issuer are exempt from criteria 3.-4. In the sense that all share lines will be included in the universe if any one of them is placed in the 70%-99% interval of the accumulated FREE FLOAT MARKET CAPITALIZATION while the other share class(es) of the same issuer is (are) ranked just outside that interval.</p>
Solactive ISS ESG Screened EM EMEA ex Saudi Arabia UCITS Index NTR	<p>Component of the GBS Index Universe of the:</p> <ul style="list-style-type: none"> <li>&gt; Solactive GBS Czech Republic Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA89V3)</li> <li>&gt; Solactive GBS Egypt Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA8883)</li> <li>&gt; Solactive GBS Greece Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA88M4)</li> <li>&gt; Solactive GBS Hungary Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA8701)</li> <li>&gt; Solactive GBS Qatar Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA82D6)</li> <li>&gt; Solactive GBS Russia Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA81S6)</li> <li>&gt; Solactive GBS Turkey Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA8Z97)</li> <li>&gt; Solactive GBS United Arab Emirates Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA74Q5)</li> <li>&gt; Solactive GBS South Africa Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA8115)</li> </ul> <p>on a SELECTION DAY, as published on the Solactive website:  <a href="https://www.solactive.com">https://www.solactive.com</a>.</p>
Solactive ISS ESG Screened EM EMEA UCITS Index	<p>Component of the GBS Index Universe of the:</p> <ul style="list-style-type: none"> <li>&gt; Solactive GBS Czech Republic Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA89V3)</li> <li>&gt; Solactive GBS Egypt Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA8883)</li> <li>&gt; Solactive GBS Greece Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA88M4)</li> <li>&gt; Solactive GBS Hungary Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA8701)</li> <li>&gt; Solactive GBS Qatar Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA82D6)</li> <li>&gt; Solactive GBS Russia Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA81S6)</li> </ul>



	<ul style="list-style-type: none"> <li>&gt; Solactive GBS Turkey Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA8Z97)</li> <li>&gt; Solactive GBS United Arab Emirates Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA74Q5)</li> <li>&gt; Solactive GBS South Africa Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA8115)</li> <li>&gt; Solactive GBS Saudi Arabia Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA8XG5)</li> </ul> <p>on a SELECTION DAY, as published on the Solactive website:  <a href="https://www.solactive.com">https://www.solactive.com</a>.</p>
Solactive ISS ESG Screened Golden Dragon UCITS Index	<p>Component of the GBS INDEX UNIVERSE of the:</p> <ul style="list-style-type: none"> <li>&gt; Solactive GBS Hong Kong Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA4H51)</li> <li>&gt; Solactive GBS China Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA4WM4)</li> <li>&gt; Solactive GBS Taiwan Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA80J7)</li> </ul> <p>on a SELECTION DAY, as published on the Solactive website:  <a href="https://www.solactive.com">https://www.solactive.com</a>.</p>
Solactive ISS ESG Screened DM Health Care UCITS Index	<ol style="list-style-type: none"> <li>1. Component of the GBS INDEX UNIVERSE of the: <ul style="list-style-type: none"> <li>&gt; Solactive GBS Developed Markets Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA41B6)</li> </ul> <p>on a SELECTION DAY, as published on the Solactive website:  <a href="https://www.solactive.com">https://www.solactive.com</a>.</p> </li> <li>2. Classified in one of the following FactSet Industries: Managed Health Care, Hospital/Nursing Management, Medical/Nursing Services, Services to the Health Industry, Pharmaceuticals: Major, Pharmaceuticals: Other, Pharmaceuticals: Generic, Biotechnology, Medical Specialties, Drugstore Chains, Medical Distributors</li> </ol>
Solactive ISS ESG Screened Latin America Large, Mid & Small Cap UCITS Index	<p>Component of the GBS INDEX UNIVERSE of the:</p> <ul style="list-style-type: none"> <li>&gt; Solactive GBS Argentina Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA8YP4)</li> <li>&gt; Solactive GBS Brazil Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA4RZ6)</li> <li>&gt; Solactive GBS Chile Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA4UG0)</li> <li>&gt; Solactive GBS Peru Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA8388)</li> <li>&gt; Solactive GBS Colombia Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA4YN8)</li> <li>&gt; Solactive GBS Mexico Large &amp; Mid Cap USD Index PR (ISIN: DE000SLA85S7)</li> <li>&gt; Solactive GBS Argentina Small Cap USD Index PR (ISIN: DE000SLA8YE8)</li> <li>&gt; Solactive GBS Brazil Small Cap USD Index PR (ISIN: DE000SLA4S74)</li> <li>&gt; Solactive GBS Chile Small Cap USD Index PR (ISIN: DE000SLA4VF0)</li> </ul>



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- > Solactive GBS Peru Small Cap USD Index PR
  - > Solactive GBS Colombia Small Cap USD Index PR (ISIN: DE000SLA8974)
  - > Solactive GBS Mexico Small Cap USD Index PR (ISIN: DE000SLA84L5)

on a SELECTION DAY, as published on the Solactive website:  
<https://www.solactive.com>.

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The determination of the INDEX UNIVERSE is fully rule-based and the INDEX ADMINISTRATOR cannot make any discretionary decisions.

## 2.2. SELECTION OF THE INDEX COMPONENTS

Based on the INDEX UNIVERSE, the initial composition of the INDEX as well as any selection for an ordinary rebalance is determined on the SELECTION DAY in accordance with the following rules (the “**INDEX COMPONENT REQUIREMENTS**”):

SOLACTIVE evaluates all companies in the respective INDEX UNIVERSE based on the criteria outlined in the table below. The evaluation is based on data provided by ISS ESG, the DATA PROVIDER:

Theme	Exclusion criterion	
Norm-Based Research	Environment	
	Human Rights	
	Corruption	
	Labour Rights	
	Companies incorporated in countries identified with high social risk	
Controversial Weapons Research	More than 50% ownership by the state	
	Alleged failure to respect established norms	
	Chemical weapons	
	Biological weapons	
	Nuclear weapons	
	Depleted Uranium	
Sector-Based Screening	Verified ongoing involvement	
	Nuclear weapons outside the NPT	
	Cluster munitions	
Sector-Based Screening	Anti-personnel mines	
	Fossil Fuel	50% Services <OR> 5% Production <OR> 5% Distribution <OR> 5% Exploration
	Oil sands	0% Production <OR> 0% Exploration
Sector-Based Screening	Military	50% Services <OR> 5% Production <OR> 5% Distribution



Pornography	5% overall <OR> 0% Production
Tobacco	50% Services <OR> 0% Production <OR> 5% Distribution
Gambling	50% Services <OR> 5% Production <OR> 5% Distribution
Alcohol	50% Services <OR> 5% Production <OR> 5% Distribution
Cannabis	50% Services <OR> 5% Production <OR> 5% Distribution

Explanation: % figures refer to revenue threshold (for degree of involvement) above which criterion is breached; High social risk countries will be updated annually based on new information. This is aimed at incorporating risks associated with a repressive state violating fundamental civil rights via its controlled entities

All companies violating any of the exclusion criteria above are excluded. All companies for which an evaluation of these exclusion criteria is not possible due to insufficient and/or missing information or data are excluded.

The remaining companies constitute the respective Index.

The selection of the INDEX COMPONENTS is fully rule-based and the INDEX ADMINISTRATOR cannot make any discretionary decision.

## 2.3. WEIGHTING OF THE INDEX COMPONENTS

On each REBALANCE DAY each INDEX COMPONENT is assigned a weight according to FREE FLOAT MARKET CAPITALIZATION subject to the following weight constraints:

1. The weight of an INDEX COMPONENT does not exceed 9%
2. The cumulative weight of all INDEX COMPONENTS with an individual weight greater than 4.5%, does not exceed 36%.

The new INDEX COMPONENT weights are determined on the WEIGHT REVIEW DAY and implemented on the REBALANCE DAY.



## 3. REBALANCE

### 3.1. ORDINARY REBALANCE

In order to reflect the new selection of the INDEX COMPONENTS determined on the SELECTION DAY (in accordance with Section 2.1 and 2.2) the INDEX is adjusted on the REBALANCE DAY after CLOSE OF BUSINESS.

This is carried out by implementing the weights as determined on the SELECTION DAY.

For more information on the rebalance procedure please refer to the Equity Index Methodology, which is incorporated by reference and available on the Solactive website: <https://www.solactive.com/documents/equity-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", which is available at <https://www.solactive.com/news/announcements/>

The weight of each INDEX COMPONENT is reviewed on a monthly basis on the WEIGHT REVIEW DAY for compliance with the constraints described in Section 2.3. If any INDEX COMPONENT weight is in breach of those constraints, all INDEX COMPONENTS will be reweighted based on the rules specified in Section 2.3., where the respective FREE FLOAT MARKET CAPITALIZATIONS are determined on the WEIGHT REVIEW DAY. The new weights will be implemented after the close on the WEIGHT IMPLEMENTATION DAY. If all INDEX COMPONENT weights as of the WEIGHT REVIEW DAY are in compliance with the constraints described in Section 2.3 no adjustment takes place.

### 3.2. EXTRAORDINARY REBALANCE

In addition to the ordinary rebalance, the INDEX is also rebalanced extraordinarily. These adjustments take place outside the rebalancing schedule and follow different rules than the ordinary rebalances. The extraordinary rebalance is triggered by the mechanism described below:

An extraordinary removal of an INDEX COMPONENT takes place if such INDEX COMPONENT breaches one of the criteria in the Category "Norm-based Research" as outlined in Section 2.2. SOLACTIVE carries out a monthly review on the WEIGHT REVIEW DAY with information available to it at this point. Any removal of an/several INDEX COMPONENT(S) takes place on the WEIGHT IMPLEMENTATION DAY. The weight of the INDEX COMPONENT in question will be distributed pro-rata across all other existing INDEX COMPONENTS.



## 4. CALCULATION OF THE INDEX

### 4.1. INDEX FORMULA

The INDEX is calculated as a price return, net total return, gross total return Index.

The calculation is performed according to the Equity Index Methodology, which is available on the SOLACTIVE website: <https://www.solactive.com/documents/equity-index-methodology/>. The divisor index formula stipulates that the level of the INDEX changes based on the change of the prices of its INDEX COMPONENTS taking into account their weight in the INDEX and any currency conversion in case the price of an INDEX COMPONENT is quoted in a currency other than the INDEX CURRENCY.

Any dividends or other distributions are reinvested across the entire basket of INDEX COMPONENTS by means of a divisor at the opening of the effective date (the so-called ex-date) of the payment of such dividend or other distribution.

A more detailed description of the mechanics of the index calculation formula can be found in the Equity Index Methodology under Section 1.2.

### 4.2. ACCURACY

The level of the INDEX will be rounded to two decimal places. Divisors will be rounded to six decimal places. TRADING PRICES and foreign exchange rates will be rounded to six decimal places.

### 4.3. ADJUSTMENTS

Under certain circumstances, an adjustment of the INDEX may be necessary between two regular REBALANCE DAYS. Such adjustment has to be made if a corporate action (as specified in Section 4.4 below) in relation of an INDEX COMPONENT occurs. Such adjustment may have to be done in relation to an INDEX COMPONENT and/or may also affect the number of INDEX COMPONENTS and/or the weighting of certain INDEX COMPONENTS and will be made in compliance with the Solactive Equity Index Methodology, which is incorporated by reference and available on the SOLACTIVE website: <https://www.solactive.com/documents/equity-index-methodology/>.

SOLACTIVE will announce the INDEX adjustment giving a notice period of at least two TRADING DAYS (with respect to the affected INDEX COMPONENT) on the SOLACTIVE website under the Section "Announcements", which is available at <https://www.solactive.com/news/announcements/>. The INDEX adjustments will be implemented on the effective day specified in the respective notice.



## 4.4. 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. 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 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 following, but not conclusive, list of corporate actions as relevant for 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



## 4.5. 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/>.

## 4.6. 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. 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”.

“**CALCULATION DAY**” is every weekday from Monday to Friday.

“**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 TRADING DAY is a security's final regular-hours TRADING PRICE published by the EXCHANGE and determined in accordance with the EXCHANGE regulations. If the EXCHANGE has no or has not published a CLOSING PRICE in accordance with the EXCHANGE rules for an INDEX COMPONENT, the last TRADING PRICE will be used.

“**DATA PROVIDER**” is ISS. For more information, please visit: <https://www.issgovernance.com/>

“**ELIGIBLE REBALANCE DAY**” is each day that is a TRADING DAY at the New York Stock Exchange, the London Stock Exchange, the EUREX Exchange and the Tokyo Stock Exchange.

“**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.

The “**FREE FLOAT**” is with regard to each of the securities fulfilling the Index Component Requirements on a SELECTION DAY the share class-specific fraction of the total number of shares of such share class issued that are available for trading by market participants and not locked-in by long term holders, as sourced from data vendors.

The “**FREE FLOAT MARKET CAPITALIZATION**” is with regard to each of the securities fulfilling the Index Component Requirements on a SELECTION DAY the share class-specific free float market capitalization. It is calculated as the multiplication of the shares outstanding in FREE FLOAT (as sourced from data vendors) with the CLOSING PRICE of the share class as of the respective SELECTION DAY.

“**GBS INDEX UNIVERSE**” is the INDEX UNIVERSE as defined in the guideline of the SOLACTIVE Global Benchmark Series: <https://solactive.com/downloads/Guideline-Solactive-GBS-Benchmark-Series.pdf>.

“**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 first Wednesday in February, May, August and November. If that day is not an ELIGIBLE REBALANCE DAY the REBALANCE DAY will be the immediately following ELIGIBLE REBALANCE DAY.

“**SELECTION DAY**” is 20 CALCULATION DAYS before the REBALANCE DAY.

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

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

The “**TOTAL MARKET CAPITALIZATION**” is with regard to each of the securities in the INDEX on a SELECTION DAY the sum of all SHARE CLASS MARKET CAPITALIZATIONS of a company.

“**TRADING DAY**” is with respect to an INDEX COMPONENT included in the INDEX at the REBALANCE DAY and every INDEX COMPONENT included in the INDEX at the CALCULATION DAY immediately following the REBALANCE DAY (for clarification: this provision is intended to capture the TRADING DAYS for the securities to be included in the INDEX as new INDEX COMPONENTS with close of trading on the relevant EXCHANGE on the REBALANCE DAY) a day on which the relevant EXCHANGE is open for trading (or a day that would have been such a day if a market disruption had not occurred), excluding days on which trading may be ceased prior to the scheduled EXCHANGE closing time and days on which the EXCHANGE is open for a scheduled shortened period. The INDEX ADMINISTRATOR is ultimately responsible as to whether a certain day is a TRADING DAY.

The “**TRADING PRICE**” 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.

“**WEIGHT IMPLEMENTATION DAY**” is the first Wednesday each month. If that day is not an ELIGIBLE REBALANCE DAY the WEIGHT IMPLEMENTATION DAY will be the immediately following ELIGIBLE REBALANCE DAY (in February, May, August, and November, the WEIGHT IMPLEMENTATION DAY corresponds to the REBALANCE DAY).

“**WEIGHT REVIEW DAY**” is the CALCULATION DAY 5 CALCULATION DAYS before the WEIGHT IMPLEMENTATION DAY.

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