

# INDEX GUIDELINE

*SOLACTIVE DIGITAL ECONOMY INDEX*

*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 Digital Economy 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	Equity
Strategy	Representation of securities active in the field of digital economy.
Regional Allocation	Developed Markets & Europe
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 European Digital Economy Index PR	DE000SLOEDD4	EUR	PR*	.SOLEDEPR	SOLEDEPR
Solactive European Digital Economy Index NTR	DE000SLOEDE2	EUR	NTR*	.SOLEDENR	SOLEDENR
Solactive European Digital Economy Index GTR	DE000SLOEDF9	EUR	GTR*	.SOLEDETR	SOLEDETR
Solactive European Digital Economy Index AR	DE000SLOEDG7	EUR	AR*	.SOLEDEAR	SOLEDEAR
Solactive Developed Markets Digital Economy Index PR	DE000SLOJAW9	EUR	PR*	.SOLDDEPR	-
Solactive Developed Markets Digital Economy Index NTR	DE000SLOJAX7	EUR	NTR*	.SOLDDENR	-
Solactive Developed Markets Digital Economy Index GTR	DE000SLOJAY5	EUR	GTR*	.SOLDDETR	-
Solactive Developed Markets Digital Economy Index 5% AR	DE000SLOJAZ2	EUR	AR*	.SOLDDEA5	SOLDDEA5

\*PR, NTR, GTR, AR means that the Index is calculated as price return, net total return, gross total return, adjusted 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

#### European Version:

The initial level of the INDEX on the 31/12/2014, the START DATE, is 1000. Historical values from the 01/10/2021, 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.

#### Developed Markets Version:

The initial level of the INDEX on the 01/02/2017, the START DATE, is 1000. Historical values from the 14/03/2023, 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 from 9:00 a.m. to 10:50 p.m. CET for the European version and from 1:00 a.m. to 10:50 p.m. CET for the Developed Markets version 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**"):

#### European Version:

- Part/ Component of the **GBS INDEX UNIVERSE** of the Solactive Europe 600 Index (ISIN: DE000SLA9G16), on a SELECTION DAY.
- Companies must be classified in one of the subindustries listed in the Appendix. The sub-industry classification is based on the Factset Revere Business Industry Classification System (RBICS).

#### Developed Markets Version:

- Part/ Component of the **GBS INDEX UNIVERSE** of the Solactive GBS Developed Markets Investable Universe USD Index PR (ISIN: DE000SLOFSX7), on a SELECTION DAY.
- Companies must be classified in one of the subindustries listed in the Appendix. The sub-industry classification is based on the Factset Revere Business Industry Classification System (RBICS).
- Companies must be classified in one of the following FactSet industries:
  - Telecommunications Equipment, Packaged Software, Internet Retail, Internet Software/Services, Semiconductors, Information Technology Services, Industrial Machinery
- Only one share class of each company is eligible for inclusion in the INDEX UNIVERSE. To avoid frequent changes between two share-classes of a company, INDEX ADMINISTRATOR applies a liquidity buffer rule:
  - If the company is currently included in the INDEX: The share class currently included in the INDEX will be eligible for the INDEX UNIVERSE if its minimum AVERAGE DAILY VALUE TRADED over the preceding 1-month and 6-month prior to and including the SELECTION DAY is at least 60%



of the minimum AVERAGE DAILY VALUE TRADED over the preceding 1-month and 6-month prior to and including the SELECTION DAY of any other share class of the company.

- If the company is currently not included in the INDEX: The share class with the highest minimum AVERAGE DAILY VALUE TRADED over the preceding 1-month and 6-month prior to and including the SELECTION DAY is included in the INDEX UNIVERSE.

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**”):

### European Version:

- A minimum Average Daily Value Traded of at least EUR 2,500,000 over 60 days prior to and including the Selection Day.
- A minimum Total Market Capitalization of at least EUR 400 million.
- The remaining securities are then ranked in descending order of Total Market Capitalization and the 40 companies with the largest Total Market Capitalization are selected as Index Components.
- If less than 30 companies remain after the previous steps, all stocks that are currently not selected and part of the index universe are ranked according to their 60-day Average Daily Value Traded and regardless of the previous Total Market Capitalization and Average Daily Value Traded requirements. The stocks with the highest 60-day Average Daily Value Traded are then selected until at least 30 securities are selected.

### Developed Markets Version:

- Minimum AVERAGE DAILY VALUE TRADED of at least USD 5,000,000 over 1 month and over 6 months prior to and including the SELECTION DAY.
- All eligible securities are ranked based on their FREE FLOAT MARKET CAPITALIZATION in a descending order. The top 40 ranked securities are selected for index inclusion.

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

### European Version:

On each SELECTION DAY each INDEX COMPONENT is assigned an equal weight.

### Developed Markets Version:

On each SELECTION DAY each INDEX COMPONENT is assigned a weight according to FREE FLOAT MARKET CAPITALIZATION. Then, a weight cap is applied for each INDEX COMPONENT by re-distributing any weight which is larger than 10% to the other INDEX COMPONENT proportionally in an iterative manner.





## 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.

European Version:

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

Developed Markets Version:

This is carried out by implementing the shares as determined on the FIXING DAY based on the weights calculated 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 website under the section "Announcement", which is available at <https://www.solactive.com/news/announcements/>

### 3.2. EXTRAORDINARY REBALANCE

The INDEX is not rebalanced extraordinarily.



## 4. CALCULATION OF THE INDEX

### 4.1. INDEX FORMULA

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

#### European Version:

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.

For the construction of the adjusted return version a decrement of 50 index points per annum is deducted on each INDEX CALCULATION DAY from the GTR Index version.

The adjusted return Index is calculated according to the following formula:

$$Index_t = Index_{t-1} * \frac{UI_t}{UI_{t-1}} - SD * \frac{DC_{t,t-1}}{360}$$

Where:

***Index<sub>t</sub>***: The level of the INDEX as of CALCULATION DAY t

***Index<sub>t-1</sub>***: The level of the INDEX as of CALCULATION DAY t-1

***UI<sub>t</sub>***: The level of the UNDERLYING INDEX as of CALCULATION DAY t

***UI<sub>t-1</sub>***: The level of the UNDERLYING INDEX as of CALCULATION DAY t-1

***SD***: The Synthetic Dividend of 50 index points per annum

***DC<sub>t,t-1</sub>***: The number of calendar days between CALCULATION DAY t (including) and CALCULATION DAY t-1 (excluding)



### Developed Markets Version:

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 standard 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 back into the INDEX COMPONENT paying the dividend or other distribution 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.

For the construction of the adjusted return version a decrement of 5% per annum is deducted on each INDEX CALCULATION DAY from the NTR Index version. The decrement will be applied 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/>.

## 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

**“AVERAGE DAILY VALUE TRADED”** means, in respect of an INDEX COMPONENT, the sum of DAILY VALUE TRADED over the specified period divided by the number of TRADING DAYS that fall in the specified period.

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

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

**“BUSINESS DAY”** is any weekday from Monday through Friday.

**“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.

**“DAILY VALUE TRADED”** means, in respect of an INDEX COMPONENT and a TRADING DAY, the product of (i) the CLOSING PRICE of such INDEX COMPONENT and (ii) the volume traded (measured as a number of shares) of such INDEX COMPONENT on the EXCHANGE during such TRADING DAY.

**“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.

**“FIXING DAY”** is SELECTION DAY.

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>) for the for the GBS Index specified in Section 2.1.

**“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 BUSINESS DAYS before the REBALANCE DAY.

“**SHARES OUTSTANDING**” are all the shares of a corporation or financial asset that have been authorized, issued, and purchased by investors. This includes shares owned by the company’s corporate officers and insiders, as well as those held by the public.

“**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.



## 7. APPENDIX

Level	Name
Subindustry	Online Marketing and Advertising Support Services
Subindustry	Government and Public Service Industry Software
Subindustry	Records Management Services
Subindustry	Hospitality Industry Software
Subindustry	Online Gaming Systems
Subindustry	Online Casinos
Subindustry	Food Delivery Services
Subindustry	Automotive Industry Software
Subindustry	Vehicle Autonomous Control Software
Subindustry	Internet Motor Vehicle Sales
Subindustry	Internet Automotive Parts Sales
Subindustry	Internet Office Supplies Retail
Subindustry	Internet Pet and Pet Supply Retail
Subindustry	Retail Industry Software
Subindustry	Vehicle Autonomous Control Electronics Makers
Subindustry	Internet Accessories Retail
Subindustry	Internet Apparel Retail
Subindustry	Internet Footwear Retail
Subindustry	Internet Electronics Retail
Subindustry	Internet Entertainment Retail
Subindustry	Internet Building Materials / Garden Supply Retail
Subindustry	Internet Furniture and Home Furnishings Retail
Subindustry	Energy Industry Software
Subindustry	Cryptocurrency Trading and Exchanges
Subindustry	Peer-to-Peer Lending
Subindustry	Cryptocurrency Mining
Subindustry	Commercial Bank and Credit Union Software
Subindustry	Insurance Software
Subindustry	Investment Management/Brokerage Software
Subindustry	Other Finance Industry Software
Subindustry	Payment Processing Software
Subindustry	Trading Software
Subindustry	Blockchain Technology
Subindustry	Drug Development Software
Subindustry	Healthcare Management Software



Subindustry Healthcare Operations Support Software  
Subindustry Other Healthcare and Pharma Industry Software  
Subindustry Patient Data Management Software  
Subindustry Surgical Robotic Systems  
Subindustry Autonomous Drone Manufacturers  
Subindustry Autonomous Drone Parts Manufacturers  
Subindustry Satellite Systems Manufacturing  
Subindustry Defense Electronics Equipment Manufacturing  
Subindustry Smart Grid Technology and Smart Meter Products  
Subindustry Industrial Robots and Robotic Assembly Line Makers  
Subindustry 3D Modeling/Rapid Prototyping Automation Providers  
Subindustry Machine Vision and Quality Control Manufacturing  
Subindustry Manufacturing Industry Software  
Subindustry Autonomous Commercial/Transit Vehicle Production  
Subindustry Autonomous Control Truck Production  
Subindustry Autonomous Control Ship Builders  
Subindustry Transportation Industry Software  
Subindustry Autonomous Transport Control Software  
Subindustry Internet Department Stores  
Subindustry Internet Discount Stores  
Subindustry Internet Off-Price Retail  
Subindustry Internet Warehouse / Superstore Retail  
Subindustry Other Internet Health and Personal Care Retail  
Subindustry Internet Pharmacies and Drug Retail  
Subindustry Household Robot Makers  
Subindustry Virtual Reality Equipment  
Subindustry Wearable Technology  
Subindustry Software Distributors  
Subindustry Automotive Classifieds and Directories Media/Sites  
Subindustry Career Classifieds and Directories Media and Sites  
Subindustry Education Information and News Media and Sites  
Subindustry Finance Information and News Media and Sites  
Subindustry General Information and News Media and Sites  
Subindustry Other Classifieds and Directories Media and Sites  
Subindustry Real Estate Classifieds and Directories Sites  
Subindustry Diversified Electronic Media and Sites  
Subindustry Colocation and Data Center Services  
Subindustry Managed Hosting Services  
Subindustry Other Hosting Services  
Subindustry Web Development Software Makers



Subindustry	Development and Design Services
Subindustry	E-Commerce Service Providers
Subindustry	General Internet and Online Services
Subindustry	Execution and Quote Platforms Services
Subindustry	Financial Reference Data Content Providers/Sites
Subindustry	General Professional Content Providers and Sites
Subindustry	Institutional Financial and Research Content Sites
Subindustry	Multi-Type Financial Data Content Providers/Sites
Subindustry	City Guides Content Providers and Sites
Subindustry	Communication and Collaboration Content Sites
Subindustry	General Consumer Content Providers (only relevant for the European version)
Subindustry	General Entertainment Content Providers and Sites
Subindustry	Media Download and Streaming Digital Content Sites
Subindustry	Web Navigation Sites and Software
Subindustry	Web Portal Sites and Software
Subindustry	Web Search Sites and Software
Subindustry	Computer Aided Design (CAD) Software
Subindustry	IC-Level Electronic Design Software
Subindustry	IC-Level Intellectual Property Software Libraries
Subindustry	Other Design and Engineering Software
Subindustry	Mapping/Geographic Information Systems Software
Subindustry	Multimedia Design and Engineering Software
Subindustry	Software Development Software
Subindustry	Virtual Reality Design and Engineering Software
Subindustry	Asset Management Software
Subindustry	Business Intelligence Software
Subindustry	Diversified Content Management Software
Subindustry	Document Management Software
Subindustry	Customer Service Software
Subindustry	Diversified Customer Relationship Software
Subindustry	Marketing CRM Software
Subindustry	Sales Force Automation (SFA) Software
Subindustry	Business Planning and Control ERP Software
Subindustry	Diversified Enterprise Resource Planning Software
Subindustry	Financial and Compliance ERP Software
Subindustry	Human Resources ERP Software
Subindustry	Supply Chain ERP Software
Subindustry	General Enterprise Management Software
Subindustry	Enterprise Security Management Software
Subindustry	Console Games Software - (only relevant for the European version)



Subindustry Handheld and Smart Phone Games Software  
Subindustry Online Game Websites and Software  
Subindustry Other Games Software  
Subindustry Educational Software  
Subindustry Mobile Platform Applications Software  
Subindustry Other Handheld and Smart Phone Software  
Subindustry Home and Office Multimedia Software  
Subindustry Home and Office Virtual Reality Software  
Subindustry Multi-Type Home and Office Software  
Subindustry Productivity Software  
Subindustry Multiple Industry-Specific Software  
Subindustry Communications Infrastructure Software  
Subindustry Data Storage Infrastructure Software  
Subindustry Diversified IT Infrastructure Software  
Subindustry Enterprise Middleware Software  
Subindustry Network Administration Software  
Subindustry Network Security Access Policy Software  
Subindustry Network Security Software  
Subindustry Other Network Software  
Subindustry Operating Systems Software  
Subindustry General and Mixed-Type Software  
Subindustry Business Intelligence/Data Warehousing Consulting  
Subindustry Design, Integration and Implementation Consulting  
Subindustry General Infrastructure and Network Consulting  
Subindustry Network Design and Implementation Consulting  
Subindustry Security and Management Consulting  
Subindustry Software Design and Engineering Consulting  
Subindustry Utilities Industry Software  
Subindustry Legal, Tax and Accounting Industry Software  
Subindustry Media and Entertainment Industry Software  
Subindustry Travel Publishers  
Subindustry Real Estate and Construction Industry Software  
Subindustry Multinational Internet Banks  
Subindustry Print and Prepress Industry Software  
Subindustry Electronic System Security Equipment  
Subindustry Conferencing Equipment  
Subindustry Other Business Communications Equipment  
Subindustry Other Marketing Specialists  
Subindustry Nanotechnology Materials Manufacturing  
Subindustry RFID Asset Tracking Equipment Manufacturing



Subindustry	Access Systems Manufacturing
Subindustry	Electronic Security Identification Equipment
Subindustry	Other Wireless Equipment (only relevant for the European version)
Subindustry	Asset Tracking GPS Systems Manufacturing
Subindustry	Global Positioning Systems (GPS) Manufacturing
Subindustry	Other Satellite Equipment
Subindustry	Customer Premises Network Security Equipment
Subindustry	Carrier Edge Network Management Equipment
Subindustry	General Carrier Edge (Access) Equipment
Subindustry	General Customer Premises Equipment (CPE)
Subindustry	Other Wide Area Networking (WAN) Equipment (only relevant for the European version)
Subindustry	Cellular Site Equipment
Subindustry	Fixed Microwave Systems Equipment
Subindustry	Other Core Infrastructure Equipment
Subindustry	Cellular Phone Accessories Manufacturing
Subindustry	Other Cellular Phones Manufacturing
Subindustry	Other Mobile Equipment
Subindustry	Smart Phone Manufacturing
Subindustry	Home and Office Productivity Peripherals
Subindustry	Human Interface Peripherals
Subindustry	Input/Output (I/O) Adapter and Interface Devices
Subindustry	Other Peripherals
Subindustry	Video Peripherals
Subindustry	Desktop Computer Systems
Subindustry	Multi-Type Business and Personal Systems
Subindustry	Other Computer Systems
Subindustry	Portable Computer Systems
Subindustry	Server Computer Systems
Subindustry	Data Storage Drives and Peripherals
Subindustry	Data Storage Media
Subindustry	Disk Storage Systems
Subindustry	Information Storage Systems
Subindustry	Multi-Type Data Storage Hardware Makers
Subindustry	General Computer Hardware Manufacturing
Subindustry	Diversified Technology Hardware (only relevant for the European version)
Subindustry	Conventional Flat Panel Display Equipment
Subindustry	Other Computer Display Equipment
Subindustry	Touchscreen Panels Display Equipment
Subindustry	Automotive and Marine Electronics Manufacturing
Subindustry	Consumer Electronics Accessories Manufacturing



Subindustry	Media Player and Recorder Equipment
Subindustry	Other Video Electronics Equipment
Subindustry	Video Signal Processor and Receiver Equipment
Subindustry	Television Equipment Manufacturing
Subindustry	Electronic Gaming/Entertainment Electronics Makers
Subindustry	General Analog and Mixed Signal Semiconductors
Subindustry	Other Power Analog and Mixed Signal Semiconductors
Subindustry	Power, Control and Mixed Signal Semiconductors
Subindustry	RF Analog and Mixed Signal Semiconductors
Subindustry	Specialty Analog and Mixed Signal Semiconductors
Subindustry	Light Emitting Diode Discrete Semiconductors
Subindustry	Other Optoelectronics Discrete Semiconductors
Subindustry	Other Discrete Semiconductors
Subindustry	Diversified Semiconductors
Subindustry	Flash Memory Semiconductors
Subindustry	Other Nonvolatile Memory Semiconductors
Subindustry	Other Memory Semiconductors
Subindustry	Volatile Memory Semiconductors (only relevant for the European version)
Subindustry	Microprocessor (MPU) Semiconductors (only relevant for the European version)
Subindustry	Other Processor Semiconductors
Subindustry	Other Programmable Logic and ASIC Semiconductors
Subindustry	Programmable Logic Device Semiconductors
Subindustry	Networking Semiconductors
Subindustry	Other Communications Semiconductors
Subindustry	Audio Multimedia Semiconductors
Subindustry	Image Sensor and Image Capture Semiconductors
Subindustry	Multimedia Semiconductors
Subindustry	Video Multimedia Semiconductors
Subindustry	Other Specialized Semiconductors
Subindustry	Peripheral Semiconductors
Subindustry	Security and Identification Semiconductors
Subindustry	Assembly Equipment Manufacturing
Subindustry	Semiconductor Capital Equipment/Parts Distribution
Subindustry	Wafer Processing Subsystem Equipment Manufacturing
Subindustry	Flat Panel Display-Specific Equipment Makers
Subindustry	Other Front End Processing Equipment Makers
Subindustry	Photolithography Equipment Manufacturing
Subindustry	Wafer Blank Makers and Equipment Manufacturing
Subindustry	Semiconductor Components/Subsystems Manufacturing
Subindustry	Semiconductor Process Analysis Tool Manufacturing



Subindustry	Test, Measurement and Metrology Equipment Makers
Subindustry	Diversified Semiconductor Capital Equipment Makers
Subindustry	Semiconductor Foundry Services
Subindustry	Semiconductor Assembly and Packaging Services
Subindustry	Semiconductor Packaging and Testing Services
Subindustry	Semiconductor Testing Services
Subindustry	Diversified Semiconductor Manufacturing Services
Subindustry	Other Local Area Networking Equipment
Subindustry	Wireless and Wi-Fi Equipment
Subindustry	Wireline Equipment
Subindustry	Carrier Core (Backbone) Equipment
Subindustry	General Information Technology (IT) Consulting (only relevant for the European version)
Subindustry	Multi-Tactic Enterprise Solutions Consulting
Subindustry	Government IT Services
Subindustry	General Enterprise and Technology Consulting
Subindustry	Multi-Industry-Specific IT Services
Subindustry	Application Management Consulting
Subindustry	General Factory Automation Makers
Subindustry	Monitoring and Control Sensor/Instrument Products
Subindustry	Other Automation Support Product Manufacturing
Subindustry	Flexible Circuit Manufacturing
Subindustry	Other Interconnect Fabrication Services
Subindustry	Printed Circuit Board/Wiring Board Manufacturing
Subindustry	Cable Interconnect Components
Subindustry	Electronic Interconnect Components
Subindustry	Other Interconnect Components
Subindustry	Other Module and Subassembly Electronic Components
Subindustry	Power Module and Subassembly Electronic Components
Subindustry	Closed Circuit Television (CCTV) Systems/Products
Subindustry	Mixed Building/Physical Security Equipment Makers
Subindustry	Diversified Electronic Security Equipment
Subindustry	Inspection and Detection Systems Manufacturing
Subindustry	Electronics Manufacturing Equipment Manufacturing
Subindustry	Test and Measurement Communications Equipment
Subindustry	Other Test and Measurement Equipment
Subindustry	General Communications Equipment (only relevant for the European version)
Subindustry	Peripheral and Other Commerce Equipment Makers
Subindustry	Other Office Equipment Manufacturing



# CONTACT

**Solactive AG**  
**German Index Engineering**  
Platz der Einheit 1  
60327 Frankfurt am Main  
Germany

Tel.: +49 (0) 69 719 160 00

Fax: +49 (0) 69 719 160 25

Email: [info@solactive.com](mailto:info@solactive.com)

Website: [www.solactive.com](http://www.solactive.com)

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