

INDEX GUIDELINE

Solactive Equity Future Index Series
Solactive Equity Total Return Index Series
Solactive Equity Adjusted Return Index

Version 1.0

24 May 2022



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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 Equity Future Index Series and of the Solactive Equity Total Return Index Series (together the "Index"). Any amendments to the rules made to the Guideline are approved by the Index Committee specified in Section 4.5. The Index is owned, calculated, administrated and published by Solactive AG ("Solactive") assuming the role as index administrator (the "Index Administrator") under the Regulation (EU) 2016/1011 (the "Benchmark Regulation" or "BMR"). The name "Solactive" is trademarked.

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



1. INDEX SPECIFICATIONS

1.1. SCOPE OF THE INDEX

The Index tracks the performance of the various continuous rolling Equity Futures and rolls the exposure over a certain number days from the Active Contract into the Next Active Contract.

1.2. IDENTIFIERS AND PUBLICATION

The Index is published under the following identifiers:

Name	ISIN	Currency	Type	RIC	BBG ticker
Solactive Swiss Equity Future Index	DE000SLOFXE7	CHF	ER	.SOLSMIER	SOLSMIER Index
Solactive Swiss Equity Total Return Index	DE000SLOFXF4	CHF	TR	.SOLSMITR	SOLSMITR Index
Solactive Swiss Equity Adjusted Return 2.5 Index	DE000SLOF5K6	CHF	TR	.SOLSMI25	SOLSMI25 Index
Solactive Swiss Equity Adjusted Return 3.0 Index	DE000SLOF5L4	CHF	TR	.SOLSMI30	SOLSMI30 Index
Solactive Swiss Equity Adjusted Return 3.5 Index	DE000SLOF5M2	CHF	TR	.SOLSMI35	SOLSMI35 Index

The Index is published 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. In the event that data cannot be provided to the price marketing services of Boerse Stuttgart GmbH the Index cannot be published.

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 Index Start Date is 100. Historical values from the Live Date will be recorded in accordance with Article 8 of the BMR. Values after Index Start Date but before Live Date are back- tested and are using Future Settlement Prices instead of Volume Weighted Average Prices



1.4. PRICES AND CALCULATION FREQUENCY

The closing price of the Index is calculated on each Trading Day based on the volume weighted average prices on the respective Exchanges on which the Index Components are listed as detailed in section

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. REPLACEMENT OF ACTIVE CONTRACT

Index Components are selected according to the Rolling Period specified in Section 2.1 and in accordance with the Roll Schedule defined in Section 2.2.

2.1. REPLACEMENT PROCESS

The replacement of the Active Contract by the Next Active Contract will be implemented over a "NRoll"-day Roll Period. The Roll Period starts on Roll Start Trading Days preceding the Expiry Day of the Active Contract. The Contract Roll Weight of the Active Contract is then decreased by $1/N\text{Roll}$ after the Close of Business of each Trading Day of the Roll Period starting at 100% while the Contract Roll Weight of the Next Active Contract is increased by $1/N\text{Roll}$ after the Close of Business of each Trading Day of the Roll Period starting at 0%. After the end of the Roll Period (End Roll Date included) the Next Active Contract becomes the Active Contract. The roll schedule is listed in Section 2.2.

Name	Number of Roll Days (NRoll)	Exchange	Roll Start
Solactive Swiss Equity Future Index	3	EUREX	4 Business Days before Expiry

2.2. ROLL SCHEDULE

The Active Contract and the Next Active Contract are selected based on the current/next month as follows:

Active Contract:

Contract/Month	1	2	3	4	5	6	7	8	9	10	11	12	
SMI		H	H	H	M	M	M	U	U	U	Z	Z	Z

Next Active Contract:

Contract/Month	1	2	3	4	5	6	7	8	9	10	11	12	
SMI		H	H	M	M	M	U	U	U	Z	Z	Z	H+



A "+" defines a contract of the following year.

The following naming convention of the contracts holds:

Identifier	Month
H	March
M	June
U	September
Z	December

2.3. WEIGHTING OF THE INDEX COMPONENTS

The Weighting of the futures in the index is done as described in Section 2.1.

2.4. VOLUME WEIGHTED AVERAGE PRICE

Each regular price tick j (denoted by $price_j$ and $volume_j$) which arrives between the VWAP START and VWAP END via the Thomson Reuters Tick History feed, will be used in the calculation of the respective VWAP on TRADING DAY t .

A regular price tick is a tick which is associated with an executed trade. Hence trades without volume (or zero volume) and cancelled trades are excluded from the VWAP calculation. Furthermore, block trades are excluded from the VWAP calculation.

Let N denote the number of such price ticks, then the VWAP as of TRADING DAY t is calculated according to the following formula:

$$VWAP_t = \frac{\sum_{j=1}^N price_j \times volume_j}{\sum_{j=1}^N volume_j}$$

If the Index Administrator should not receive any price ticks within the VWAP window (the time period between the VWAP START and VWAP END) via the Thomson Reuters Tick History feed, the Index Administrator will determine the Reference Price the following way:

- 1) Enlarging the VWAP window by 10 minutes and calculate the VWAP in accordance with the above.
- 2) If there are still no ticks in the enlarged VWAP window, the REFERENCE PRICE will be the Settlement Price as of TRADING DAY t .



Name	VWAP Start	VWAP End	Exchange Time Zone
Solactive Swiss Equity Future Index	17:19:00	17:20:00	Europe/Zurich



3. CALCULATION OF THE INDEX

3.1. INDEX FORMULA

The Excess Return index is calculated on any given Trading Day t and published in Index Currency in accordance with the following formula:

$$I_t = I_{t-1} \cdot \left(\frac{CRW_{A,t} \times VWAP_{A,t}}{VWAP_{A,t-1}} + \frac{CRW_{NA,t} \times VWAP_{NA,t}}{VWAP_{NA,t-1}} \right)$$

where:

I_{t-1} is the Excess Return Value on the Trading Day immediately preceding Trading Day t with $I_{Index\ Start\ Date}=100$

$CRW_{A,t}$ is the Contract Roll Weight of the Active Contract on Trading Day t

$CRW_{NA,t}$ is the Contract Roll Weight of the Next Active Contract on Trading Day t

$VP_{A,t}$ is the VWAP of the Active Contract on Trading Day t

$VP_{NA,t}$ is the VWAP of the Next Active Contract on Trading Day t

With:

Trading Day "t"	$CRW_{A,t}$	$CRW_{NA,t}$
"Roll Start Date" +0	66.7%	33.3%
"Roll Start Date" +1	33.3%	66.7%
"Roll Start Date" +2("Roll End Date")	100%	0%
t is not in the Roll Period	100%	0%

The Total Return Index is calculated on any given Trading Day t and published in Index Currency in accordance with the following formula:

$$J_t = J_{t-1} \cdot \left(\frac{I_t}{I_{t-1}} + rate_{t-1} \times DCF_{360,t,t-1} \right)$$

where:

J_{t-1} is the Total Return Value on the Trading Day immediately preceding Trading Day t with $J_{Index\ Start\ Date}=100$



$rate_{t-1}$ is the relevant interest rate on Trading Day t-1. Should no interest rate be published on Trading Day t-1, the interest rate that was relevant on Trading Day t-2 will be used.

$DCF_{360,t,t-1}$ is the number of calendar days between Trading Day t (including) and Trading Day t-1 (excluding) divided by 360.

Name	Rate Ticker	Contract Chain Ric
Solactive Swiss Equity Total Return Index	SARON.S	0#FSMI:

The Adjusted Return Index is calculated on any given Trading Day t and published in Index Currency in accordance with the following formula:

$$K_t = K_{t-1} \cdot \left(\frac{J_t}{J_{t-1}} - AR \times DCF_{365,t,t-1} \right)$$

where:

K_{t-1} is the Adjusted Return Value on the Trading Day immediately preceding Trading Day t with $K_{Index\ Start\ Date}=100$

$DCF_{365,t,t-1}$ is the number of calendar days between Trading Day t (including) and Trading Day t-1 (excluding) divided by 365.

Name	AR
Solactive Swiss Equity Adjusted Return 2.5 Index	2.5%
Solactive Swiss Equity Adjusted Return 3.0 Index	3.0%
Solactive Swiss Equity Adjusted Return 3.5 Index	3.5%

3.2. ACCURACY

The Index Level will be rounded to 3 decimal places.

3.3. RECALCULATION

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



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

3.4. MARKET DISRUPTION

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

4. MISCELLANEOUS

4.1. 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 in accordance with the Solactive's Discretion Policy, which is available on the Solactive website: <https://www.solactive.com/documents/>.

4.2. METHODOLOGY REVIEW

The methodology of the Index is subject to regular review. In case a need of a change to 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 [Methodology Policy](#), which is incorporated by reference and available on the Solactive website: <https://www.solactive.com/documents/>.

Such change in the Methodology will be announced on the Solactive webpage under the section “[Announcement](#)”, which is available at: <https://www.solactive.com/news/announcements/>. The date of the last amendment of this Index is contained in this Guideline.



4.3. CHANGES IN CALCULATION METHOD

The application by the Index Calculator of the method described in this document is final and binding. The Index Calculator 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, financial or tax reasons may require changes to be made to this method. The Index Calculator 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 Calculator is not obliged to provide information on any such modifications or changes. Despite the modifications and changes, the Index Calculator will take the appropriate steps to ensure a calculation method is applied that is consistent with the method described above.

4.4. 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 4.2 “Methodology Review”) in order to maintain continued reliability and comparability of the indices. Nevertheless, if no other options are available, the orderly cessation of an 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 Termination Policy, which is incorporated by reference and available on the Solactive website: <https://www.solactive.com/documents/>.

4.5. OVERSIGHT

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 “Solactive Methodology Policy”, which is available at <https://www.solactive.com/documents/>.



5. DEFINITIONS

This section contains defined terms used in Section 1 and, if applicable, other Sections of the Guideline.

"Active Contract" means with respect to a Trading Day, the Equity Futures Contract that is traded on such trading day, given in the roll schedule under Section 2.2.

"**Exchange**" has the meaning as defined in Section 2.1.

"Index Calculator" is Solactive or any other appropriately appointed successor in this function.

"Index Component" is any contract currently included in the Index.

"Index Currency" is the currency specified in the column "Currency" in the table in Section 1.2.

"Index Start Date" is the 29 Oct, 2021

"Live Date" is 10 Jun, 2022

"Number of Roll Days" as specified in section 2.1

"Next Active Contract" means with respect to a Trading Day the subsequent contract that will be traded, given in the Roll Schedule under Section 2.2.

"Roll Start" is the defined in Section 2.2

"Roll Start Date" is the defined in Section 2.2

"Roll End Date" is Trading Day which is "Number of Roll Days" after "Roll Start Date"

"Contract Roll Weight" means the Target weight determined in Section 2.1.

"Roll Period" means all the Trading Days between "Roll Start Date" (included) and "Roll End Date" (included) . defined in Section 2.1.

"VWAP" is with respect to an Index Component and a Trading Day, the volume weighted average price as defined in section 2.4.

"Trading Day" is with respect to the Index and an Index Component, 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 normal Exchange closing time. The Index Calculator is ultimately responsible as to whether a certain day is a Trading Day with regard to the Index or an Index Component, or in any other connection relating to this document.

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

Website: www.solactive.com

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