

GUIDE GOVERNING LEVERAGED INDICES

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1. INDEX STRUCTURE

1.1

Introduction

The SIX Swiss Exchange leveraged indices reflect the daily returns of the underlying indices with added leverage. With underlying indices of either equities or bonds, the following types of index are calculated: Leverage (leverage +2), Short (leverage -1) and Short Leverage (leverage -2). By publishing leveraged indices, SIX Swiss Exchange enables investors to replicate investment strategies in a transparent, rule-based and cost-efficient manner.

Given their methodology, leveraged indices are more suited to risk-friendly investors with short-term horizons than to “buy and hold” strategies. Long-term returns of leveraged indices can diverge significantly from the long-term returns of the underlying indices.

The structure, calculation and any changes to the composition of a given index basket for the relevant underlying instrument are regulated in the corresponding rules.

1.2

Index Commission

The Management Committee of SIX Swiss Exchange is supported by the Index Commission (advisory board) in all index-related matters, notably in connection with changes to the index rules and adjustments, additions and exclusions outside of the established review and acceptance period.

The Index Commission convenes at least twice a year. It provides valuable input on how existing products can be improved and new ones created.

2. INDEX CALCULATION

2.1

Methodology

2.1.1

Calculation formula

$$\begin{aligned}
 LI_{x,t} = & \underbrace{LI_{x,T} \times \left[1 + \left(\frac{UI_t - UI_T}{UI_T} \times x \right) \right]}_{\text{LEVERAGE TERM}} \\
 & + \underbrace{(1-x) \times LI_{x,T} \times \left[\left(\frac{SARON_T}{360} \right) \right]}_{\text{FINANCING / INTEREST TERM}} \times D
 \end{aligned}$$

Legende:

LI:	Leveraged Index
UI:	Underlying Index
t:	Time of calculation
T:	Closing price on last trading day prior to t
SARON:	SAR Swiss Average Rate® ON (published in %)
D:	Number of calendar days between t and T
x = +2:	Leverage Index
x = -1:	Short Index
x = -2:	Short Leverage Index

2.1.2 *Leverage term*

The leverage term describes the influence the underlying has on the corresponding leveraged index. Leverage indices reflect the daily price change in the underlying instrument with a leverage factor of 2. For short and short leverage indices, the daily change in the underlying instrument is reflected with a leverage factor of -1 and -2, respectively.

2.1.3 *Financing & interest Term*

Financing term and interest term are two rate components that result from the underlying strategy. In the case of a leverage index, capital is obtained on which interest must be paid. With short and short leverage indices, the base capital and proceeds from short sales are invested and therefore generate interest income.

The closing level of SAR Swiss Average Rate® ON (SARON®) recorded for the previous trading day T is used for calculating the rate component during the current trading day t .

2.2 *Adjustment in cases of extraordinary market conditions*

In order to limit the risk of a total loss, all leveraged indices feature a safety mechanism, which is triggered upon the occurrence of a predefined daily change in the underlying instrument.

2.2.1 *Leverage Index*

If the underlying instrument at any point in time t falls by 25% compared to the previous day's closing level, a new trading day will be simulated intraday on the basis of adjusted UI_T and LI_T values. During a trading day, this adjustment process may be repeated as often as required. As a part of this, no financing costs will be taken into account for that particular day.

$$\text{Threshold value: } \left(\frac{UI_t}{UI_T} - 1 \right) \leq -25\%$$

Simulation of a new trading day:

$$UI_{T,new} = UI_{T,old} \times 0.75$$

$$LI_{T,new} = LI_{T,old} \times (1 - 0.25 \times x)$$

$$D = 0$$

2.2.2

Short und short leverage index

If the underlying instrument at any point in time t rises by 25% compared to the previous day's closing level, a new trading day will be simulated intraday on the basis of adjusted UI_T and LI_T values. During a trading day, this adjustment process may be repeated as often as required. As a part of this, no interest income will be taken into account for that particular day.

$$\text{Threshold value: } \left(\frac{UI_t}{UI_T} - 1 \right) \geq 25\%$$

Simulation of a new trading day:

$$UI_{T,new} = UI_{T,old} \times 1.25$$

$$LI_{T,new} = LI_{T,old} \times (1 + 0.25 \times x)$$

$$D = 0$$

2.3

Calculation interval and publication

All leveraged indices are calculated in realtime and immediately published. As soon as there is a change in the price level of the underlying instrument, the corresponding index reading is recalculated and published. The shortest calculation interval is one second.

All relevant index data are disseminated by SIX Exfeed (a subsidiary of SIX Group).

2.4

Unavailability of underlying instrument

If the price level of the given leveraged index's underlying instrument is not available at some time during regular SIX Swiss Exchange trading hours, the level of that leveraged index will not be calculated.

If the price level of the index's underlying instrument persists beyond the closing auction, the closing price level of the given leveraged index will be based on the last available reading for the underlying instrument.

2.5

Adjustment of standardisation

SIX Swiss Exchange reserves the right to re-standardise the leveraged indices if it considers such to be necessary.

3. TRADEMARK PROTECTION, USE AND LICENSING

3.1

Protection

The names of the SIX Swiss Exchange Indices Trademarks are internationally registered trademarks of SIX Swiss Exchange.

3.2

Licensing

3.2.1

Free usage

The names of the SIX Swiss Exchange Indices Trademarks may be freely used for the purpose of honest reporting of the relevant index. Insofar as it is technically possible, the symbols ® and ™ should be used, possibly with a footnote stating that these names are registered trademarks of SIX Swiss Exchange, Zurich.

3.2.2

Usage subject to licence

Any additional use of the SIX Swiss Exchange Indices Trade-marks or any commercial use of the index figures (e.g., issue of index-linked financial instruments or capital insurance with or without mention of the trademark in the name or description) is only permissible with a valid licensing agreement. Any requests should be sent to the following address together with documentation of the planned products:

SIX Swiss Exchange Ltd
Index Department
Selnaustrasse 30
P.O. Box
CH-8021 Zurich

e-mail: indices@six-group.com

Offering prospectuses must include the following disclaimers, which is accessible via the SIX Swiss Exchange Website.

4. CONTACT

Information concerning SIX Swiss Exchange indices (index adjustments, announcements etc.) is available at the following Internet address:

http://www.six-swiss-exchange.com/indices/overview_en.html

SIX Swiss Exchange Ltd
Index Department
Selnaustrasse 30
P.O. Box
CH-8021 Zurich

E-mail: indices@six-group.com

Helpdesk: T +41(0)58 854 22 80

E-mail information service

Information on corporate events related to SIX Swiss Exchange equity indices is included in the weekly Investor Service Equity. You can subscribe to this e-mail service, which is free of charge, at the following link:

http://www.six-swiss-exchange.com/.../subscription_en.html

Telephone helpdesk

Our helpdesk is open on trading days from 8.30 a.m. to 12.00 noon and from 1.30 p.m. to 6.00 pm. Tel. helpdesk +41(0)58 854 22 80.

5. STATIC DATA

Underlying index	Symbol	ISIN
SMI® Swiss Market Index Total Return	SMIC	CH0000222130

Leveraged indices	Symbol	ISIN	Initial date	Initial value
SMI Daily Leverage TR	SMILEV	CH0049815555	31.12.2008	1'000
SMI Daily Short	SMISHT	CH0049815563	31.12.2008	10'000
SMI Daily Short Leverage	SMISL	CH0049815571	31.12.2008	10'000

Underlying index	Symbol	ISIN
SMI® Swiss Market Index Price	SMI	CH0009980894

Leveraged indices	Symbol	ISIN	Initial date	Initial value
SMI Daily Leverage PR	SMILEP	CH0111500531	31.12.2008	1'000

Underlying index	Symbol	ISIN
SLI® Swiss Leader Index Total Return	SLIC	CH0030252909

Leveraged indices	Symbol	ISIN	Initial date	Initial value
SLI Daily Leverage TR	SLILEV	CH0049815589	31.12.2008	1'000
SLI Daily Short	SLISHT	CH0049815597	31.12.2008	10'000
SLI Daily Short Leverage	SLISL	CH0049815605	31.12.2008	10'000

Underlying index	Symbol	ISIN
SLI® Swiss Leader Index Price	SLI	CH0030252883

Leveraged indices	Symbol	ISIN	Initial date	Initial value
SLI Daily Leverage PR	SLILEP	CH0111500556	31.12.2008	1'000

Underlying index	Symbol	ISIN
SBI® Domestic Government Mid 3-7 Total Return	SBGM3T	CH0024313691

Leveraged indices	Symbol	ISIN	Initial date	Initial value
SBGM3T Daily Leverage	SBI3L	CH0049815613	31.12.2008	100
SBGM3T Daily Short	SBI3S	CH0049815639	31.12.2008	1'000
SBGM3T Daily Short Leverage	SBI3SL	CH0049815654	31.12.2008	1'000

Underlying index	Symbol	ISIN
SBI® Domestic Government Mid 3-7 Price	SBGM3P	CH0024313618

Leveraged indices	Symbol	ISIN	Initial date	Initial value
SBGM3P Daily Leverage	SBI3LP	CH0111500606	31.12.2008	100

Underlying index	Symbol	ISIN
SBI® Domestic Government Mid 7-15 Total Return	SBGM7T	CH0024313774

Leveraged indices	Symbol	ISIN	Initial date	Initial value
SBGM7T Daily Leverage	SBI7L	CH0049815662	31.12.2008	100
SBGM7T Daily Short	SBI7S	CH0049815670	31.12.2008	1'000
SBGM7T Daily Short Leverage	SBI7SL	CH0049815696	31.12.2008	1'000

Underlying index	Symbol	ISIN
SBI® Domestic Government Mid 7-15 Price	SBGM7P	CH0024313758

Leveraged indices	Symbol	ISIN	Initial date	Initial value
SBGM7P Daily Leverage	SBI7LP	CH0111500630	31.12.2008	100

Reference rate	Symbol	ISIN
SAR Swiss Average Rate® ON	SARON	CH0049613687

A current list of all indices calculated by SIX Swiss Exchange is accessible at the SIX Swiss Exchange Website: www.six-swiss-exchange.com/.../calculated_indices.xls