Guideline relating to

Hybrid Securities Model Portfolio Index 07-2019 - JPY hedged

Version 1.0 dated June 3rd, 2014

Contents

Introduction

This document contains the underlying principles and regulations regarding the structure and the operating of the Hybrid Securities Model Portfolio Index 07-2019 - JPY Hedged. Solactive AG shall make every effort to implement regulations. 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 index value at any certain point in time nor in any other respect. The Hybrid Securities Model Portfolio Index 07-2019 - JPY Hedged is the sole property of Solactive AG. Solactive AG strives to the best of its ability to ensure the correctness of the calculation. There is no obligation for Solactive AG – irrespective of possible obligations to issuers – to advise third parties, including investors and/or financial intermediaries, of any errors in the index. The calculation and publication of the index by Solactive AG is no recommendation for capital investment and does not contain any assurance or opinion of Solactive AG regarding a possible investment in a financial instrument based on this index.

Introduction

This document is to be used as a guideline with regard to the composition, calculation and management of the Hybrid Securities Model Portfolio Index 07-2019 - JPY Hedged. Any changes made to the guideline are initiated by the Committee specified in section 1.6. The Hybrid Securities Model Portfolio Index 07-2019 - JPY Hedged is the sole property of Solactive AG. The Hybrid Securities Model Portfolio Index 07-2019 - JPY Hedged is calculated and published by Solactive AG. The name "Solactive" is copyrighted.

1 Index specifications

The Hybrid Securities Model Portfolio Index 07-2019 - JPY Hedged is a currency hedged version of the Hybrid Securities Model Portfolio Index 07-2019 (the **"Underlying Index"**). For any information regarding the underlying index please refer to the corresponding guideline.

1.1 Name and ISIN

The Hybrid Securities Model Portfolio Index 07-2019 - JPY Hedged is distributed under ISIN DE000SLA0GY0; the WKN is SLA0GY. The Index is published in Reuters under the code ".HYSPFX19".

1.2 Initial value

The index will be calculated every Business Day at 4:50 pm New York time starting on 4th of June 2014. The index was based on 1000 as at the close of trading on 4st of March 2014.

1.3 Distribution

The Hybrid Securities Model Portfolio Index 07-2019 - JPY Hedged is published via the price marketing services of Boerse Stuttgart AG and is distributed to all affiliated vendors.

1.4 Prices and calculation frequency

The Hybrid Securities Model Portfolio Index 07-2019 - JPY Hedged is calculated based on the value of the underlying index translated using spot and forward foreign exchange rates quoted by Reuters. The index is calculated and distributed once every Business Day. In the event that data cannot be provided or that there are troubles regarding the price marketing of Solactive AG the index cannot be distributed.

1.5 Weighting

The Index only consists of the Hybrid Securities Model Portfolio Index 07-2019 calculated in JPY.

The weighting methodology may be amended by the Committee if required due to legal framework.

1.6 Decision-making bodies

A Committee composed of Solactive AG employees is responsible for decisions regarding the composition of the Hybrid Securities Model Portfolio Index 07-2019 - JPY Hedged as well as any amendments to the rules (hereinafter referred to as the "**Committee**" or the "**Index Committee**"). The Committee will also decide about the future composition of the Hybrid Securities

Model Portfolio Index 07-2019 - JPY Hedged if any extraordinary event (see chapter 2.3) occurs and the implementation of any necessary adjustments.

Members of the Committee can recommend at any time changes to the composition of the Index or to the guideline and submit them to the Committee for approval.

1.7 Publication

All specifications and information relevant for calculating the index are made available on the http://www.solactive.com web pages and sub-pages.

1.8 Historical data

Historical data will be maintained from the 4th of June 2014.

1.9 Licencing

Licences to use the index as the underlying value for derivative instruments are issued to stock exchanges, banks, financial services providers and investment houses by Solactive AG.

2 Calculation of the Index

2.1 Index formula

The Hybrid Securities Model Portfolio Index 07-2019 - JPY Hedged is an index whose value reflects the value of the JPY currency hedge on a monthly basis of the underlying index.

As a formula:

$$I_t = I_{RT-1} \cdot \left(1 + \left(\frac{UI_t}{UI_{RT-1}} - 1 \right) + HIM_t \right)$$

with

I_t = Index value on Business Day t
I_RT-1 = Index value on the last Rebalancing Date immediately preceding t
UI_t = Underlying Index value on Business Day t
UI_RT-1 = Underlying Index value on the last Rebalancing Date immediately preceding t
HIM_t = Hedge Impact on Business Day t

The Hedge Impact is calculated using the following formula:

$$HIM_t = AF_{RT-1} \cdot \sum_{i=1}^{n} W_{i,ST-1} \cdot S^m_{i,ST-1} \cdot \left(\frac{1}{F^m_{i,RT-1}} - \frac{1}{IF^m_{i,t}} \right)$$

with

AF_RT-1 = Adjustment Factor on the last Rebalancing Date immediately preceding t which is calculated as follows:

$$AF_{RT-1} = \frac{I_{ST-1}}{I_{RT-1}}$$

with

I_ST-1 = Index value on the last Reference Day immediately preceding or equal to RT-1
I_RT-1 = Index value on the last Rebalancing Day immediately preceding t

n = number of different currencies in the Underlying Index (without considering the currency in which the index is calculated),
W_i,ST-1 = Weight of currency i on the last Reference Date immediately preceding or equal to RT-1
S^m_i,t = Mid Spot of currency i on day t
F^m_i,RT-1 = Mid Forward of currency i on the last Rebalancing Date immediately preceding t
IF^m_i,t = Interpolated Forward on day t which is calculated as follows:

$$IF^m_{i,t} = S^m_{i,t} + \left(F^m_{i,t} - S^m_{i,t} \right) \cdot \frac{D-d}{D}$$

with
D = number of calendar days between RT-1 and RT
d = number of calendar days between RT-1 and t

2.2 Accuracy

The value of the index will be rounded to four decimal places.

3. Definitions

3.1 Index-specific definitions

“Underlying Index” is the Hybrid Securities Model Portfolio Index 07-2019.

“Rebalancing Date” is the last business day of the month starting in November 2014 and ending in May 2018.

“Reference Date” is the last Business Day of each month.

The **“Weight”** of each currency is determined at the Reference Date and is calculated as the sum of the weights of each Underlying Index component denominating in the same currency.

3.2 Further definitions

“Spot” is the spot foreign exchange rate to convert the Index Currency into the denomination currency of the Underlying Index Component.

“Forward” is the 1 month forward foreign exchange rate to convert the Index Currency into the denomination currency of the Underlying Index Component.

A **“Business Day**” in relation to the index is any day other than a Saturday or Sunday on which the Tokyo stock, London and NY exchange is open for trading.

The **“Index Calculator”** is Solactive AG or any other appropriately appointed successor in this function.

The **“Index Currency”** is JPY.

5 Appendix

5.1 Contact data

Information regarding the Hybrid Securities Model Portfolio Index 07-2019 - JPY Hedged concept

Solactive AG
Bettinastrasse 30
60325 Frankfurt am Main
Tel.: +49 69 9760 955 00
Fax: +49 69 9760 955 25
indexing@solactive.com

5.2 Calculation of the Index – change 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, which he 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.