Portfolio Certificates

Linked to the AMS Premium Flexible International Portfolio
Issued by UBS AG, Zurich

Leverage

Cash settled
SVSP Product Type: Tracker Certificates (1300, Callable)
ISIN: CH0441694251 / WKN: US8ATB / Valor: 44169425

Amendment as of 05 June 2020:
- Short Covered Options investment universe added

Amendment as of 17 September 2025:
- Expiration of the product extended for an additional 7-year period

Public Offer **Final Terms**

This Product does not represent a participation in any of the collective investment schemes pursuant to Art. 7 ff of the Swiss Federal Act on Collective Investment Schemes (CISA) and thus does not require an authorisation of the Swiss Financial Market Supervisory Authority (FINMA). Therefore, investors in this Product are not eligible for the specific investor protection under the CISA. Moreover, Investors in this Product bear the issuer risk.

This is a structured product which may involve derivatives. Prospective purchasers of this Product should ensure that they understand the nature of the Product and the extent of their exposure to risks and that they consider the suitability of the Product as an investment in the light of their own circumstances and financial condition. This Product involves a high degree of risk, including the risk of it expiring worthless. Potential investors should be prepared to sustain a total loss of the purchase price of their investment.

This Product is linked to a notional dynamic portfolio, which is actively advised in the sole discretion of the Reference Portfolio Advisor pursuant to the Reference Portfolio Description Document (Annex 1).

This document (Final Terms) constitutes the Simplified Prospectus for the Product described herein; it can be obtained free of charge from UBS AG, P.O. Box, CH-8098 Zurich (Switzerland), via telephone (+41-(0)44-239 47 03), fax (+41-(0)44-239 69 14) or via e-mail (swiss-prospectus@ubs.com). The relevant version of this document is stated in English; any translations are for convenience only. For further information please refer to paragraph «Product Documentation» under section 4 of this document.

1. Description of the Product

Portfolio Certificates	This Product (each a "**Portfolio Certificate**" and collectively the "**Portfolio Certificates**") allows for participation in the performance of the Reference Portfolio, which is calculated net of relevant costs and fees, as further described below.
Reference Portfolio	The AMS Premium Flexible International Portfolio (the "**Reference Portfolio**") is a notional Euro ("EUR" or the "**Reference Portfolio Currency**") denominated reference portfolio, created, advised on, and maintained by the Reference Portfolio Advisor in accordance with the provision in the description of the Reference Portfolio (the "**Reference Portfolio Description**") in Annex 1. The Reference Portfolio aims to replicate the performance of: (i) long only positions in stocks (each a "**Stock Constituent**") comprised in the Stock Investment Universe, (ii) long only positions in derivative overlay strategies, each as listed in Annex 1 and defined in the subsequent Annexes (each a "**UBS Derivative Overlay Strategy**") comprised in the UBS Derivative Overlay Strategies Investment Universe, (iii) long only positions in excess return indices which provide exposure to futures markets, and which are owned or sponsored by UBS AG and/or its

affiliates (each a “**UBS Market Beta Index**”) comprised in the UBS Market Beta Index Investment Universe,

(iv) long only positions in exchange-traded funds (ETFs) (each an "**ETF Constituent**") comprised in the ETF Investment Universe,

(v) long and/or short positions in various exchange-traded call and put equity vanilla options (each an "**Equity Option Constituent**") comprised in the Equity Option Investment Universe,

each of the above also referred to as a "**Constituent**" and together the "**Constituents**", combined with,

(vi) a cash position denominated in the Reference Portfolio Currency (the "**Cash Position**"),

which together with the Constituents shall be referred to as the "**Reference Portfolio Components**". The performance of the Reference Portfolio will be net of the relevant fees and costs described herein.

The Cash Position will accrue interest at the prevailing reference rate (the "**Reference Rate**"), as described in Annex 1, which may be negative from time to time.

The notional value of the Reference Portfolio (the "**Initial Reference Portfolio Level**") will be EUR 100.00 on the Pricing Date.

Whilst the Reference Portfolio Level and Redemption Amount is linked to the value of the Reference Portfolio Components, the Issuer may or may not invest the proceeds of the issuance of the Portfolio Certificates in any Reference Portfolio Component at any time for the purposes of hedging its obligations under this Product. In the event the Issuer elects to invest the proceeds in any Reference Portfolio Component for the purpose of hedging its obligations under this Product, the holders of the Portfolio Certificates will not have any direct interest or beneficial ownership in any Reference Portfolio Component at any time.

Product Details

Security Numbers	Valor: 44169425 / ISIN: CH0441694251 / WKN: US8ATB
Issue Size	Up to 20,000 Units (with reopening clause) (Issue Size decreased by 60,000 Units on VD 12 February 2021)
Initial Reference Portfolio Level	100.00
Issue Price	EUR 100.00 (100.00% of Initial Reference Portfolio Level) (unit quotation)
Stop Loss Level	EUR 30.00 (30.00% of Initial Reference Portfolio Level)
Denomination	EUR 100.00
Settlement Currency	EUR
Settlement	Cash Settlement
Currency Treatment	The Reference Portfolio may be exposed to Constituents denominated in currencies other than the Settlement Currency. **The currency risk is not hedged**.
Dividend Treatment	For long positions in Stock Constituents, a notional amount reflecting net dividends of the Stock Constituents will be reinvested into the respective Stock Constituent on the ex-dividend date of that Stock Constituent. For long positions in ETF Constituents, a notional amount reflecting net dividends of the ETF Constituents will be reinvested into the respective ETF Constituent on the ex-dividend date of that ETF Constituent In respect of any Constituents which are, or include, U.S. equity securities, for purposes of determining the amount of a dividend treated as notionally reinvested, such dividend shall be reduced by the 30% withholding tax imposed

by Section 871(m) of the U.S. Internal Revenue Code of 1986, as amended.

Dates

Launch Date	11 April 2019
Pricing Date ("**Pricing**")	11 April 2019
Issue Date / Payment Date	18 April 2019
Last Trading Day	11 April 2033
Expiration Date ("**Expiry**")	11 April 2033 (subject to Market Disruption Events provisions, Early Termination, Automatic Early Termination and Unwind Disruption provisions), extendable once at the option of the Issuer for an additional 7 years period (from the initial scheduled Expiration Date stated above), with a notice period of 180 calendar days prior to the scheduled Expiration Date. With respect to the initial scheduled Expiration Date, and in case of an extension of the term, the investor may with a notice period of 90 calendar days prior to the initial scheduled Expiration Date request in writing from the Issuer that part or all of investment in the Portfolio Certificates shall be redeemed on the Redemption Date following the scheduled Expiration Date. Provided, in each case that if the initial scheduled or extended Expiration Date is not a Constituents Business Day, then such Expiration Date shall be the first following day that is a Constituents Business Day.
Redemption Date	The fifth Business Day immediately following the Expiration Date, the Early Termination Date or the Automatic Early Termination Date (in any case subject to Market Disruption Event provisions).

Redemption

Redemption Amount

Each Portfolio Certificate entitles the investor to receive on the Redemption Date an amount in the Settlement Currency (the "**Redemption Amount**"), as calculated by the Calculation Agent, according to the following formula:

$$\text{Denomination x Max}\left(0\ ;\ \frac{\text{Final Reference Portfolio Level}}{\text{Initial Reference Portfolio Level}}\right)$$

Where:

"**Final Reference Portfolio Level**" means the value of the Reference Portfolio as determined by the Calculation Agent on the Expiration Date, the Early Termination Date or the Automatic Early Termination Date (as applicable) and subject to Unwind Disruption, as the sum of:

i) the unwind proceeds as converted into the Settlement Currency where applicable, using the prevailing exchange rate, as determined by the Calculation Agent in its reasonable discretion, that would be realized by a notional investor (in the same position as the Issuer) when selling and/or, as the case may be, unwinding the prevailing Constituents comprising the Reference Portfolio; and

ii) the value of the Cash Position minus any accrued but not yet deducted Adjustment Fee and/or Reference Portfolio Fee.

In the event that a notional investor (in the same position as the Issuer) would be unable to unwind its investment in the Constituents by the Expiration Date, the Early Termination Date or the Automatic Early Termination Date, as applicable (such event an "**Unwind Disruption**"), the Issuer reserves the right to postpone the Expiration Date, the Early Termination Date or the Automatic Early Termination Date in accordance with the Market Disruption Events provisions below.

Please note that the Redemption Amount may be less than the initially

	invested capital.
Early Termination by Issuer	The Issuer is entitled to terminate the Portfolio Certificates early in full subject to the following notice period: Quarterly, i.e. as of each 30 June, 30 September, 31 December and 31 March of each year (the "**Early Termination Date**"), subject to at least 30 Business Days prior notice being given to the investors (provided in each case if such day is not a Constituents Business Day, then the immediately following Constituents Business Day shall be the Early Termination Date). The first possible Early Termination Date will be 31 March 2019. There is no early termination right for the investor in the Portfolio Certificates.
Automatic Early Termination	Should (i) the Reference Portfolio Advisor cease to be or to act as the Reference Portfolio Advisor, (ii) the Reference Portfolio Level be equal or lower than the Stop Loss Level in respect of any Business Day, the Product will automatically terminate (the "**Automatic Early Termination**") on the Constituents Business Day immediately following the date on which such event occurs (the "**Automatic Early Termination Date**"), as determined at the reasonable discretion of the Calculation Agent. No notice period shall apply in that case.
Reference Portfolio Level	Except on the Expiration Date, the Early Termination Date or the Automatic Early Termination Date, as applicable, the Calculation Agent shall calculate the Reference Portfolio Level in its own reasonable discretion in respect of each Business Day, subject to a Market Disruption Event (each a "**Reference Portfolio Calculation Date**"). The Reference Portfolio Level in respect of each Reference Portfolio Calculation Date is the sum of (i) the profit or loss of each Constituent on such Reference Portfolio Calculation Date, where such Constituent is a UBS Derivative Overlay Strategy Constituent and/or UBS Market Beta Index Constituent (taking into account the number of units of each Constituent in respect of which the Reference Portfolio has exposure), (ii) the closing price or value of each Constituent in respect of all other Constituents (once again taking into account the number of units of each Constituent in respect of which the Reference Portfolio has exposure), and (ii) the value of the Cash Position. All costs and fees, as further described below, shall be accrued within, and deducted from, the Cash Position. For the avoidance of doubt, the Reference Portfolio Level in respect of the Expiration, Early Termination Date or Automatic Early Termination Date, as applicable, shall be calculated by the Calculation Agent in accordance with the provisions under "**Redemption Amount**" above.

Fees

Reference Portfolio Advisor Fee (calculated daily)	The Reference Portfolio Advisor will receive a fee of 1.70% per annum of the Reference Portfolio Level, deducted from the respective Reference Portfolio Level on a pro-rata daily basis as determined by the Calculation Agent.
Issuer Fee (calculated daily)	The Issuer will receive a per annum fee which is applied to, and deducted from, the Reference Portfolio Level on a daily basis by the Calculation Agent. The Issuer Fee shall be calculated daily as the weighted average of the Carry Cost attributable to each Constituent, as provided below.
Reference Portfolio Fee	The sum of the Reference Portfolio Advisor Fee and the Issuer Fee.
Carry Cost (calculated daily)	The Carry Cost is a per annum fee attributed to each Constituent and is used to determine the Issuer Fee applicable to the Reference Portfolio Level, as defined above. The Carry Cost in respect of each UBS Market Beta Index Constituent is provided in Annex 1.

	The Carry Cost, in respect of each UBS Derivative Overlay Constituent is provided in Annex 1. The Carry Cost in respect of all other Constituents is 0.30% per annum.
Adjustment Fee	An Adjustment Fee is levied for each Rebalancing, as defined in Annex 1, made in the Reference Portfolio and represents a percentage of the notional volume of each of the purchase and/or sale of a Constituent. The Adjustment Fee in respect of any UBS Market Beta Index Constituent is provided in Annex 1. The Adjustment Fee in respect of any UBS Derivative Overlay Strategy Constituent is provided in Annex 1. The Adjustment Fee in respect of all other Constituents shall be 0.05%. The Adjustment Fee in respect of the purchase of any Constituent on the Pricing Date only that is not a UBS Derivative Overlay Strategy Constituent or UBS Market Beta Index Constituent shall be zero. For the avoidance of doubt, in respect of the purchase of any Constituent on the Pricing Date that is UBS Derivative Overlay Strategy Constituent or UBS Market Beta Index Constituent, the Adjustment Fee as provided in Annex 1 shall apply. For the avoidance of doubt, unwind costs to determine the Final Reference Portfolio Level shall constitute Adjustment Fees. **The Adjustment Fees fully remain with the Issuer.**
Distribution Fee	None

Product Structure

The Product allows for participation in the performance of the Reference Portfolio, which is calculated net of relevant fees and costs. The Reference Portfolio is a notional actively advised portfolio, created and maintained by the Reference Portfolio Advisor.

General Information

Issuer	UBS AG, Zurich and Basel, Switzerland
Issuer Rating	Aa3 Moody's / A+ S&P's / AA- Fitch This is the long term credit rating of the Issuer and it does not represent ratings of the Portfolio Certificates. A rating is not a recommendation to buy, sell or hold securities and may be subject to suspension, change or withdrawal at any time by the assigning rating agency.
Issuer Supervisory Authority	Swiss Financial Market Supervisory Authority (FINMA).
Lead Manager	UBS AG, Zurich
Calculation Agent	UBS AG, London Branch
Paying Agent	UBS Switzerland AG
Listing	None
Public Offering	Switzerland
Reference Portfolio Advisor	AMS – Asset Management Services (Suisse) SA Please note that the Reference Portfolio Advisor may not only act as Reference Portfolio Advisor with regard to the Reference Portfolio, but may at the same time act as asset manager or financial consultant with regard to investors in the Portfolio Certificates, which may induce potential conflicts between investors' interests and Reference Portfolio Advisor's interests. The Reference Portfolio Advisor has implemented any measures required to fully mitigate such potential conflict of interest.
Reference Portfolio Advisor Supervisory Authority	The Reference Portfolio Advisor is a member of the Swiss Association of Asset Managers (SAAM).
Business Days	Any day on which commercial banks are open for business (including dealings in foreign exchange and foreign currency deposits) in London and TARGET2.

Constituents Business Day	Any day on which (i) in respect of the Constituents, the Exchange and Related Exchange are scheduled to be open for trading, notwithstanding any day on which they close for business prior to their regular weekday closing time and (ii) the Calculation Agent is open for business.
Exchange	The primary stock exchange on which the Constituents are listed and publicly quoted and traded, as determined by the Calculation Agent from time to time.
Related Exchange	Means the principal exchange (if any) on which options or futures contracts relating to the Constituents are traded or quoted, as determined by the Calculation Agent.
Secondary Market	The Issuer or the Lead Manager, as applicable, intends, under normal market conditions, to provide bid and/or offer prices for this Product on a regular basis. However, the Issuer or the Lead Manager, as applicable, makes no firm commitment to provide liquidity by means of bid and/or offer prices for this Product, and assumes no legal obligation to quote any such prices or with respect to the level or determination of such prices. Daily price indications, if any, will be available on Reuters/Bloomberg, www.ubs.com/keyinvest from 09:15-17:15 (CET).
Minimum Investment	1 Unit(s) (subject to Selling Restrictions)
Minimum Trading Lot	1 Unit(s)
Clearing	SIX SIS, Euroclear, Clearstream (registered as intermediated securities with SIX SIS AG, in Switzerland)
Form of deed	Uncertificated Securitites
Status	Unsecured / Unsubordinated
Governing Law / Jurisdiction	Switzerland / Zurich
Adjustments	The terms of the Product may be subject to adjustments during its lifetime. For clients outside of the United Kingdom, any changes with regard to the terms of this Product shall be published on the internet at www.ubs.com/keyinvest. Detailed information on such adjustments is to be found in the Product Documentation.
Product	One EUR denominated Portfolio Certificate unit (the "**Unit**") is equivalent to one (1) "**Product**". "**Products**" wherever used herein shall be construed to mean integral multiples of the same, subject to the issue size.

Adjustments and Market Disruption Events

Adjustments to the composition of the Reference Portfolio	If, at any time, any event occurs in relation to any Constituent which the Calculation Agent determines requires any adjustment(s) to be made to the composition of the Reference Portfolio, then the Calculation Agent shall (i) determine which adjustment(s) are to be made to the Constituent with a view to account for the effect of the relevant event and to preserve the prevailing composition of the Reference Portfolio immediately prior to the occurrence of such event and (ii) determine the date on which such adjustment(s) shall take effect.
Market Disruption Events	(A) In the event that the Calculation Agent determines that any Constituents Business Day is a Disrupted Day with respect to any Constituent or Eligible Constituent selected by the Reference Portfolio Advisor for the purposes of a Rebalancing, then such Constituent or Eligible Constituent shall not be notionally sold or purchased on the intended effective date of the relevant Rebalancing. (B) In the event that the Calculation Agent determines that any Reference Portfolio Calculation Date is a Disrupted Day with respect to any Constituent or Eligible Constituent, then for the purposes of determining the value of the Reference Portfolio as at such Reference Portfolio Calculation Date, (a) the price of each Constituent not affected by the occurrence of such Disrupted Day shall be the closing price of such Constituent on the relevant Exchange or Related Exchange and (b) the price of each Constituent affected by the occurrence of such Disrupted Day shall be determined by the Calculation Agent in its good faith estimate of the fair market value (which may be zero) of such Constituent as of such Reference Portfolio Calculation Date.

(C) If the Calculation Agent determines that the date scheduled to be the Expiration Date, the Early Termination Date or the Automatic Early Termination Date, as applicable, is a Disrupted Day in respect of any Constituent, such date shall be the Expiration Date, the Early Termination Date or the Automatic Early Termination Date, as applicable, for those Constituents which are not affected by the occurrence of a Disrupted Day while the Expiration Date, the Early Termination Date or the Automatic Early Termination Date, as applicable, for any Constituent that is affected by the occurrence of a Disrupted Day shall be postponed to the following Constituents Business Day with respect to such Constituent. If such day does not occur within 8 (eight) Constituents Business Days immediately following the date scheduled to be the Expiration Date, the Early Termination Date or the Automatic Early Termination Date, as applicable, the price of such Constituent shall be determined by the Calculation Agent by reference to its good faith estimate of the value for such Constituent on that eighth Constituents Business Day.

(D) On the occurrence of an FX Disruption Event, the value of any Constituent not denominated in the Settlement Currency shall be determined by the Calculation Agent in its sole and absolute discretion and the Calculation Agent shall have the right to adjust the value of the Reference Portfolio to account for such FX Disruption Event.

Disrupted Day	Any Business Day on which the Calculation Agent determines that trading and/or transactions in the relevant Constituent or Eligible Constituent, as the case may be, is or are adversely affected (including without limitation where trading and/or transactions are limited by reason of illiquidity, any circumstances of market or trading disruption or the unavailability for any reason of any quote, official price or valuation in relation to the relevant Constituent or Eligible Constituent).
FX Disruption Event	Means (i) an event that generally makes it illegal, impossible, impractical or inadvisable to convert one unit of the currency in which any non-EUR denominated Constituent is denominated (the "**Denomination Currency**") into the Settlement Currency, or an event that generally makes it impossible to deliver the Settlement Currency from accounts in which they are held to accounts outside of the jurisdiction of the Denomination Currency; or (ii) the general unavailability to exchange the Settlement Currency at a spot rate (applicable to the purchase of the Settlement Currency for the Denomination Currency) in any legal currency exchange market in the principal financial centre for the Denomination Currency, if, in the determination of the Calculation Agent, the occurrence of any such events is material.

Tax Treatment Switzerland

Swiss Federal Stamp Duty	The product does not qualify as a taxable security (TK 24/1).
Swiss Federal Income Tax	For private investors resident in Switzerland this product is treated analogous to a share in a distributing collective investment vehicle. The taxable income per share will be determined and will be reported to the Swiss Federal Tax Administration annually for publication in the list of tax values (Kursliste). Closing date (for Swiss tax purposes): January 1, for the first time January 1, 2020.
Swiss Withholding Tax	The product is not subject to the Swiss Withholding Tax.

The tax information only provides an indicative general overview of the potential tax consequences linked to this product at the time of issue. Tax laws and tax doctrine may change, possibly with retroactive effect.

Classification

This Product does not represent a participation in any of the collective investment schemes pursuant to Art. 7 ff of the Swiss Federal Act on Collective Investment Schemes (CISA) and thus does not require an authorisation of the Swiss Financial Market Supervisory Authority (FINMA). Therefore, investors in this Product are not eligible for the specific investor protection under the CISA. Moreover, investors in this Product bear the issuer risk.

Furthermore, this Product does not benefit from any depositor protection under Art. 37a under the Swiss Federal Law on Banks and Savings Banks (Banking Act) or other forms of deposit insurance under any other law as might be applicable to this Product.

2. Prospects of Profits and Losses

Market Expectations	Investors in this Product expect the Reference Portfolio to trade positively over the life of the Product.
Effect of the performance of the Underlying on the Redemption Amount:	
• Positive Performance	If the Reference Portfolio performs positively, investors realise a positive return.
• Sideways to slightly negative performance	If the Reference Portfolio performs sideways to slightly negative, investors fully participate in the negative performance of the Reference Portfolio. Investors may lose some of their investment.
• Pronounced negative performance	If the Reference Portfolio performs negatively, investors may lose some or all of their investment.
Profit potential	The profit potential is unlimited. The Product allows for full participation in the positive performance of the Reference Portfolio, as adjusted by fees and costs as described in more detail herein.
Loss potential	Investors may lose some or all of the investment as they are fully exposed to the negative performance of the Reference Portfolio as well as to currency risks where the currency risk is not hedged.

3. Significant Risks For Investors

General risk warning	Potential investors should understand the risks associated with an investment in the Product and shall only reach an investment decision after careful considerations with their legal, tax, financial and other advisors of (i) the suitability of an investment in the Product in the light of their own particular financial, fiscal and other circumstances; (ii) the information set out in this document and (iii) the Reference Portfolio Components. The following is a summary of the most significant risks. Further risks are set out in the Product Documentation.
Risk Tolerance	Investors in this Product should be experienced investors and familiar with both derivative products and the general markets as well as with the investment management abilities of the Reference Portfolio Advisor. Investors must be willing to make an investment that is fully exposed to the performance of the Reference Portfolio, meaning that investors might lose their whole investment in the Product in the worst case. Furthermore, investors should be aware that the Reference Portfolio may contain Constituents denominated in currencies other than the Settlement Currency. **The currency risk may or may not be partially hedged**. In additions, investors should be aware that the Issuer is entitled to redeem the Product early in accordance with the provisions described above under Section 1 ("Description of the Product – Early Termination by the Issuer").

Product Specific Risks

Capital Protection (at Expiry)	None
Risk Potential in comparison to a direct investment in the Underlying	The risk potential is similar to a direct investment in the assets contained in the notional Reference Portfolio.
Issuer Call right	Yes; additionally, an Automatic Early Termination may occur.
Stop Loss Event	Applicable
Currency risk	As the Settlement Currency is different from the currency in which some or all assets contained in the notional Reference Portfolio are denominated, the value of this product is exposed to the corresponding FX exchange rates.

Price Source Disruption Event	It may become impossible to obtain one or more Constituent levels during the lifetime of the Product and/or on the Expiration Date, the Early Termination Date or the Automatic Early Termination Date, as applicable, due to one or more of the price sources normally used in the relevant market for the Constituents being unavailable because an unscheduled bank closure is declared on short notice in the relevant country or due to the occurrence of any other disruption (each a **"Price Source Disruption Event"**). The Calculation Agent will determine in good faith and in a commercially reasonable manner whether a Price Source Disruption Event has occurred. A Price Source Disruption Event may lead to (i) a postponement of the Expiration Date, the Early Termination Date or the Automatic Early Termination Date, as applicable, and therefore of the Redemption Amount, (ii) to the use of an alternative source for the relevant Constituent level and/or (iii) to the unilateral determination of the applicable Constituent level by the Calculation Agent. Such postponement, use of alternative price source and/or determination of the applicable Constituent level by the Calculation Agent may affect, materially or otherwise, the Redemption Amount which the investor will receive.
Extraordinary termination risk	The Issuer may terminate and redeem the Product prior to the Expiration Date in accordance with the Product Documentation. In case of such extraordinary termination, the Issuer shall pay to the investors an extraordinary termination amount as determined by the Calculation Agent which is equivalent to the market value of the Product, less any costs. Potential investors should note that the extraordinary termination amount may deviate from and may be considerably below the amount which would be payable pursuant to the final redemption provisions on the date that would have otherwise been the scheduled Redemption Date if such termination did not occur. Investors are not entitled to request any further payments after the termination of the Product.
Similar risks to investment in futures contracts	The Products aims inter alia to replicate the performance of positions in selected futures through the UBS Market Beta Index Constituents. Consequently, an investment in the Products, to a certain extent, is subject to market risks similar to direct investment in such a futures contract. Futures prices can differ substantially from the spot price of the underlying financial instrument (e.g. shares, indices, interest rates, currencies) or underlying commodity and precious metal (e.g. oil, wheat, sugar, gold, silver). Investors must be aware of the fact that the futures price and, accordingly, the value of the Products does not always move in the same direction or at the same rate as the spot price of such underlying. Therefore, the value of the Products can fall substantially even if the spot price of the relevant underlying of the futures contract remains stable or rises. **Contango and backwardation:** The prices of the longer-term and the shorter-term futures contract can differ even if all other contract specifications are the same. If the prices of longer-term futures contracts are higher than the price of the shorter-term futures contract to be exchanged (so-called contango), the number of futures contracts held is reduced with the Roll-over. Conversely, if the prices of short-term futures are higher (so-called backwardation), the number of futures contracts held is increased with the Roll-over (without taking into account roll-over expenses). In addition, expenses for the roll-over itself are incurred. This may result in a negative effect for the value of the Products and the redemption.
Risk relating to leverage	Investors should be aware that the inclusion of leverage will amplify gains or losses. Leverage has the effect of increasing the volatility of an investment. Investors should be aware this Product may have a gross exposure (the sum of the exposure of leverage applied to each underlying asset) may be greater than the Denomination of the Product. Investors should be aware that the inclusion of the UBS Derivatives Overlay Constituents will introduce leverage to the Product.
Risks specific to exchange traded funds	Regarding the performance of exchange traded funds (ETFs), investors should also note the following risks specific to ETFs: (i) market risk: Investment aim of most ETFs is to track the performance of indices, market sectors, or groups of assets such as stocks, bonds or commodities. Investors are subject to risk of loss and volatility associated

with the underlying index/assets. The net asset value (NAV) of the ETF will change with changes in the market value of the underlying securities or other assets it holds and such changes may be amplified or inverse in the case of leveraged or inverse ETFs.

(ii) tracking error risk: The performance of the ETFs may deviate from the underlying index, market sectors or assets. This may be due to the impact of fees and expenses incurred to the ETFs, currency differences, the replication strategy of the ETF, and/or the failure of such strategy.

(iii) counterparty risk: If the ETF uses a synthetic replication strategy by entering into swaps or other derivatives transactions to gain exposure to the index or assets it tracks, investors are exposed to the risk that such counterparties may default on their obligations which may expose the ETF to greater losses than if the ETF invested only in conventional securities. There is always a risk that the market value of any collateral held by such ETF has deteriorated and is substantially below the amount secured by such collateral and thus, resulting in significant loss to the ETF.

(iv) foreign exchange risk: Assets and securities of an ETF may be denominated in a currency that differs from the currency in which the ETF's NAV and/or the product is denominated. Accordingly, any fluctuation in the relevant exchange rates will affect the value of the underlying securities and assets of the ETF as well as the NAV of the ETF, which in turn may affect the market value of the product.

(v) liquidity risk: The ETF may be less liquid than the underlying securities it tracks and as a result, an investor could be exposed to greater liquidity risk in the event of early termination than if the product is linked directly to the underlying securities.

(vi) trading at discount or premium: An ETF may be traded at discount or premium to its NAV and such price discrepancy is caused by supply and demand factors. This may arise during the periods of high market volatility and in particular, where index/market that the ETF tracks is subject to direct investment restrictions.

Illiquidity risk in secondary market

The Issuer or the Lead Manager, as applicable, intends, under normal market conditions, to provide bid and/or offer prices for this Product on a regular basis. However, the Issuer or the Lead Manager, as applicable, makes no firm commitment to provide liquidity by means of bid and/or offer prices for this Product, and assumes no legal obligation to quote any such prices or with respect to the level or determination of such prices.

Market Disruption risk

Investors are exposed to market disruption events (such as trading disruption, exchange disruption and early closure of the relevant exchange), which could have an impact on the redemption amount through delay in payment, change in value or suspension of trading in the Product in the secondary market. For a detailed description of such events and their effects please refer to the Product Documentation.

Calculation Agent's discretion

The Calculation Agent has a broad discretionary authority to make various determinations and adjustments under the Products, any of which may have an adverse effect on the value and/or the amounts payable under the Products. Prospective investors should be aware that any determinations made by the Calculation Agent may have an impact on the value and financial return of the Products. Where the Calculation Agent is required to make a determination it may do so without taking into account the interests of the holders of the Product.

Withholding tax

Investors in this Product should note that any payment under this Product may be subject to withholding tax (such as, inter alia, Swiss Withholding Tax, and/or withholding related to FATCA or 871(m) of the US Tax Code). **Any payments due under this Product are net of such tax.**

Regarding 871m investors should note that a 30% withholding tax is imposed on certain “dividend equivalents” paid or deemed paid to a non-U.S. holder with respect to a “specified equity-linked instrument” that references one or more dividend-paying U.S. equity securities. The withholding tax can apply even if the instrument does not provide for payments that reference dividends. Treasury regulations provide that the withholding tax applies to all dividend equivalents paid or deemed paid on specified equity-linked instruments that have a delta of one (“delta one specified equity-linked instruments”) issued after 2016 and to all dividend equivalents paid or deemed paid on all other specified equity-linked instruments issued after 2018.

The Issuer will treat the Products as specified equity-linked instruments that are subject to withholding on dividend equivalents. The Issuer will withhold 30% in respect of dividend equivalents paid or deemed paid on the Products and will not pay any additional amounts with respect to any such taxes withheld. In respect of any Constituents which are U.S. equity securities, for purposes of determining the amount of a dividend treated as notionally reinvested, such dividend shall be reduced by the 30% withholding tax as referenced under the Dividend Treatment section of this Certificate. The Issuer hereby notifies each holder that for purposes of Section 871(m), the Issuer will withhold in respect of dividend equivalents paid or deemed paid on the Products on the dividend payment date as described in Treasury regulations section 1.1441-2(e)(4) and Revenue Procedure 2017-15 §3.03(B), as applicable. Investors in the Products should consult their own tax advisors regarding the application of the withholding tax to their Products and the availability of any reduction in tax pursuant to an income tax treaty. No assurance can be given that investors in the Products will be able to successfully claim a reduction in tax pursuant to an income tax treaty.

Please refer to the General Terms and Conditions for detailed information. If the Issuer is required to withhold any amount pursuant to Section 871(m) or FATCA of the U.S. Tax Code, the Issuer will not be required to pay additional amounts with respect to the amount so withheld.

Risk Factors relating to the Issuer

In addition to the market risk with regard to the development of the Underlying, each investor bears the general risk that the financial situation of the Issuer could deteriorate. The Products constitute immediate, unsecured and unsubordinated obligations of the Issuer, which, particularly in case of insolvency of the Issuer, rank pari passu with each and all other current and future unsecured and unsubordinated obligations of the Issuer, with the exception of those that have priority due to mandatory statutory provisions. The general assessment of the Issuer's creditworthiness may affect the value of the Products. This assessment generally depends on the ratings assigned to the Issuer or its affiliated companies by rating agencies such as Moody's, Fitch and Standard & Poor's.

The Issuer Ratings indicated in this document reflect the situation at the time of issuance and may be subject to changes. The actual Issuer Ratings at any given time can be seen on the Issuer's website (www.ubs.com) under "Analysts & Investors".

4. Additional Information

Product Documentation

This document ("**Final Terms**") constitutes the Simplified Prospectus for the Product and contains the information required by Article 5 CISA and the corresponding Guidelines of the Swiss Bankers Association. The prospectus requirements of Article 652a/Article 1156 of the Swiss Code of Obligations are not applicable.
These Final Terms (Simplified Prospectus) together with the 'General Terms and Conditions for Structured Products on Equity, Commodity and Index Underlyings, stipulated in English and as amended from time to time ("**General Terms and Conditions**") shall form the entire documentation for this Product ("**Product Documentation**"), and accordingly the Final Terms should always be read together with the General Terms and Conditions. The Simplified Prospectus may be provided in various languages, however, only the English version shall be relevant and any translations are for convenience only. Definitions used in the Final Terms, but not defined herein shall have the meaning given to them in the General Terms and Conditions. In the event that the Product is listed (see above item "**Listing**" under "**General Information**"), the Product Documentation will be amended in accordance with the listing requirements of the relevant exchange.

The Product Documentation can be obtained free of charge from UBS AG, P.O. Box, CH-8098 Zurich (Switzerland), via telephone (+41-(0)44-239 47 03), fax (+41-(0)44-239 69 14) or via e-mail (swiss-prospectus@ubs.com). In addition, for clients outside of the United Kingdom, the Product Documentation is available on the internet at www.ubs.com/keyinvest. Notices in connection with this Product shall be validly given by publication as described in the General Terms and Conditions. Furthermore, for clients outside of the United Kingdom, any changes with regard to the terms of this Product shall be published on the internet at www.ubs.com/keyinvest.

Important Information

The information herein is communicated by UBS AG and/or its affiliates ("**UBS**"). UBS may from time to time, as principal or agent, have positions in, or may buy or sell, or make a market in any securities, currencies, financial instruments or other assets underlying the Product to which this document relates. UBS may provide investment banking and/or other services to and/or have officers who serve as directors of the companies referred to in this document. UBS' trading and/or hedging activities related to this Product may have an impact on the price of the underlying asset(s) and may affect the likelihood that any relevant barrier(s) is/are crossed. UBS has policies and procedures designed to minimise the risk that officers and employees are influenced by any conflicting interest or duty and that confidential information is improperly disclosed or made available.

In certain circumstances UBS sells this Product to dealers and other financial institutions at a discount to the issue price or rebates to them for their account some proportion of the issue price ("**Distribution Fees**"). Distribution Fees, if any, are disclosed in section 1 of this document and reflect the maximum amount a dealer or financial institution may receive from UBS; the actual amount may be lower.

Structured transactions are complex and may involve a high risk of loss. Prior to entering into a transaction you should consult with your own legal, regulatory, tax, financial and accounting advisors to the extent you consider it necessary, and make your own investment, hedging and trading decisions (including decisions regarding the suitability of this transaction) based upon your own judgement and advice from those advisers you consider necessary. Save as otherwise expressly agreed in writing, UBS is not acting as your financial adviser or fiduciary in any transaction.

This document should not be construed as an offer, personal recommendation or solicitation to conclude a transaction and should not be treated as giving investment advice. The terms of any investment in the Product to which this document relates will be exclusively subject to the detailed provisions, including risk considerations, contained in the Product Documentation.

UBS makes no representation or warranty relating to any information herein which is derived from independent sources. This document shall not be copied or reproduced without UBS' prior written permission.

No action has been or will be taken in any jurisdiction that would permit a public offering of the Products described herein, save where explicitly stated in the Product Documentation. The Products must be sold in accordance with all applicable selling restrictions in the jurisdictions in which they are sold.

There is a possibility that costs, including taxes, related to transactions in connection with this Product may arise for investors that are not paid by UBS or imposed by it. Please refer to the Product Documentation for further information.

Selling Restrictions

Any Products purchased by any person for resale may not be offered in any jurisdiction in circumstances which would result in the Issuer being obliged to register any further documentation relating to this Product in such jurisdiction.

The restrictions listed below must not be taken as definitive guidance as to whether this Product can be sold in a jurisdiction. Additional restrictions on offering, selling or holding of this Product may apply in other jurisdictions. Investors in this Product should seek specific advice before on-selling this Product.

European Economic Area - In relation to each Member State of the European Economic Area which has implemented the Prospectus Directive (each, a "**Relevant Member State**"), with effect from and including the date on which the Prospectus Directive is implemented in that Relevant Member State (the "**Relevant Implementation Date**") no offer of the Products has been or will be made to the public in that Relevant Member State except that, with effect from and including the Relevant Implementation Date, an offer of such Products to the public may be made in that Relevant Member State:

(a) Qualified investors: at any time to any legal entity which is a qualified investor as defined in the Prospectus Directive;

(b) Fewer than 150 offerees: at any time to fewer than 150 natural or legal persons (other than qualified investors as defined in the Prospectus Directive);

(c) An offer of Products addressed to investors who acquire Products for a total consideration of at least EUR 100,000 per investor, for each separate offer; and/or

(d) Other exempt offers: at any time in any other circumstances falling within Article 3 (2) of the Prospectus Directive,

provided that no such offer of Products referred to in (a) to (c) above shall require the publication of a prospectus pursuant to Article 3 of the Prospectus Directive, or supplement a prospectus pursuant to Article 16 of the Prospectus Directive.

For the purposes of this provision, the expression "offer of Securities to the public" in relation to any Products in any Relevant Member State means the communication in any form and by any means of sufficient information on the terms of the offer and the Products to be offered so as to enable an investor to decide to purchase or subscribe the Products, as the same may be varied in that Member State by any measure implementing the Prospectus Directive in that Member State, the expression "Prospectus Directive" means Directive 2003/71/EC (as amended, including by Directive 2010/73/EU), and includes any relevant implementing measure in the Relevant Member State.

Hong Kong - Each purchaser has represented and agreed that it has not issued or had in its possession for the purposes of issue, and will not issue or have in its possession for the purposes of issue, whether in Hong Kong or elsewhere, any advertisement, invitation or document relating to the Products, which is directed at, or the contents of which are likely to be accessed or read by, the public of Hong Kong (except if permitted to do so under the securities laws of Hong Kong) other than with respect to Products which are or are intended to be disposed of only to persons outside Hong Kong or only to "professional investors" as defined in the Securities and Futures Ordinance (Cap. 571) of Hong Kong and any rules made under that Ordinance.

This is a structured product which involves derivatives. Do not invest in it unless you fully understand and are willing to assume the risks associated with it. If you are in any doubt about the risks involved in the product, you may clarify with the intermediary or seek independent professional advice.

Singapore - This document has not been registered as a prospectus with the Monetary Authority of Singapore. Accordingly, this document and any other document or material in connection with the offer or sale, or invitation for subscription or purchase, of this Product may not be circulated or distributed, nor may this Product be offered or sold, or be made the subject of an invitation for subscription or purchase, whether directly or indirectly, to persons in Singapore other than (i) to an institutional investor under Section 274 of the Securities and Futures Act (Chapter 289) of Singapore (the "SFA"), (ii) to a relevant person pursuant to Section 275(1), or any person pursuant to Section 275(1A), and in accordance with the conditions specified in Section 275, of the SFA, or (iii) otherwise pursuant to, and in accordance with the conditions of, any other applicable provision of the SFA.
Where this Product is subscribed or purchased under Section 275 of the SFA by a relevant person which is:
(a) a corporation (which is not an accredited investor (as defined in Section 4A of the SFA)) the sole business of which is to hold investments and the entire share capital of which is owned by one or more individuals, each of whom is an accredited investor; or
(b) a trust (where the trustee is not an accredited investor) whose sole purpose is to hold investments and each beneficiary of the trust is an individual who is an accredited investor,
securities (as defined in Section 239(1) of the SFA) of that corporation or the beneficiaries' rights and interest (howsoever described) in that trust shall not be transferred within six months after that corporation or that trust has acquired the securities pursuant of an offer made under Section 275 of the SFA except:
(1) to an institutional investor or to a relevant person defined in Section 275(2) of the SFA, or to any person arising from an offer referred to in Section 275(1A) or Section 276 (4)(i)(B) of the SFA;
(2) where no consideration is or will be given for the transfer;
(3) where the transfer is by operation of law; or
(4) as specified in Section 276 (7) of the SFA; or
(5) as specified in Regulation 32 of the Securities and Futures (Offers of Investments) (Shares and Debentures) Regulations 2005 of Singapore.

Pursuant to section 309B(1)(c) of the SFA, the Issuer hereby notifies the relevant persons (as defined in the SFA) that the Notes are classified as "capital markets products other than prescribed capital markets products" (as defined in the SFA and the Securities and Futures (Capital Markets Products) Regulations 2018) and "Specified Investment Products" (as defined in the MAS Notice SFA 04-N12: Notice on the Sale of Investment Products and MAS Notice FAA-N16: Notice on Recommends on Investment Products).

USA - This Product may not be sold or offered within the United States or to U.S. persons. For the purposes of this selling restriction, U.S. persons shall include pass-thru entities with owners that are “United States person” as that term is defined under Section 7701(a)(30) of the US Internal Revenue Code.

Annex 1 – Reference Portfolio Description Document

1. General information about the Reference Portfolio

As described in Section 1 ("**Description of the Product**") of this document, the **Reference Portfolio** is a notional reference portfolio (denominated in the Reference Portfolio Currency), actively created, advised on, and maintained by the **Reference Portfolio Advisor**.

The Reference Portfolio Advisor has created the Reference Portfolio by selecting the initial Constituents (the "**Initial Constituents**") on the Pricing Date. The Initial Constituents are listed in Section 3 below.

The Reference Portfolio Advisor is responsible for adjusting the composition of the Reference Portfolio from time to time thereafter (any such adjustment a "**Rebalancing**") in accordance with Section 4 below. Certain limitations apply as to the composition of the Reference Portfolio from time to time as described in such section.

The level of the Reference Portfolio (the "**Reference Portfolio Level**") is calculated in the Reference Portfolio Currency, net of fees and costs associated with the creation, maintenance and rebalancing of the Reference Portfolio, as described Section 1 ("**Description of the Product**") of this document.

The Calculation Agent may adjust the composition of the Reference Portfolio from time to time to account for corporate actions in respect of the Constituents and other similar events, as described in Section 6 below.

Unless otherwise specifically provided herein, terms used in this document shall have the meanings given to such terms in, and shall be interpreted in accordance with, the terms and conditions of the relevant product linked to the Reference Portfolio.

2. Reference Portfolio Investment Universe, title selection criteria and investment restrictions

The Reference Portfolio, whose composition may vary from time to time, is actively advised by the Reference Portfolio Advisor and represents a notional investment in the Reference Portfolio Components as described in detail in the following. The Reference Portfolio Advisor is not allowed to select any additional securities, assets, exposures or contracts for inclusion in the notional Reference Portfolio apart from the ones that are part of the Investment Universes described below. The Reference Portfolio Advisor may select any securities, assets, exposures or contracts from the Investment Universes for inclusion in the notional Reference Portfolio (with such securities, assets, exposures or contracts becoming "Constituents" after inclusion in the Reference Portfolio) in its reasonable discretion pursuant and subject to the provisions contained in this document.

The Stock Investment Universe, UBS Derivative Overlay Strategies Investment Universe, UBS Market Beta Index Investment Universe, ETF Investment Universe and Equity Option Investment Universe shall together be referred to as the "**Investment Universes**".

2.1 Stock Constituents

The Reference Portfolio may reference as Stock Constituents long positions in stocks from the universe described below (the "**Stock Investment Universe**").

Developed Market (according to the most recent MSCI Global Investable Market Indexes Methodology) worldwide stocks may be incorporated as Stock Constituents in the Reference Portfolio (each an "**Eligible Stock Constituent**").

Emerging Market (according to the most recent MSCI Global Investable Market Indexes Methodology) worldwide stocks, when accessed only via American Depository Receipts (ADRs), may be incorporated as Stock Constituents in the Reference Portfolio (each an "**Eligible Stock Constituent**").

In respect of the dividend treatment of Stock Constituents, refer to Section 1 ("**Description of the Product**") of this document.

Eligible Stock Constituents from the Stock Investment Universe may be selected in the sole discretion of the

Reference Portfolio Advisor pursuant and subject to the provisions contained in this document. The Calculation Agent may retain the right to reject the inclusion of any Eligible Stock Constituent due to any applicable rules, regulations and internal or external restrictions according to the provisions as set out below in Section 4 ("**Rebalancing of the Reference Portfolio**") below.

2.2 UBS Derivative Overlay Strategy Constituents

The Reference Portfolio may reference as UBS Derivative Overlay Strategy Constituents long positions in option-based strategies (each an "**Eligible UBS Derivative Overlay Strategy Constituent**"). The purpose of the UBS Derivative Overlay Strategy Constituents is to provide risk mitigation of the investments in the Reference Portfolio.

Initially, the Reference Portfolio Advisor may select in its sole discretion and pursuant and subject to the provisions contained in this document, Eligible UBS Derivative Overlay Strategy Constituents from the universe described below (the "**UBS Derivative Overlay Strategy Investment Universe**") and each as defined in the respective Annex stated below. Thereafter, the Reference Portfolio Advisor may add from time to time and for the purpose of risk mitigation of the investments in the Reference Portfolio further option-based strategies as made available by the Issuer and included in the UBS Derivative Overlay Strategy Investment Universe (such Constituents following the inclusion in the UBS Derivative Overlay Strategy Investment Universe becoming Eligible UBS Derivative Overlay Strategy Constituents).

The Calculation Agent may retain the right to reject the inclusion of any Eligible UBS Derivative Overlay Strategy Constituent due to any applicable rules, regulations and internal or external restrictions according to the provisions as set out below in Section 4 ("**Rebalancing of the Reference Portfolio**") below.

UBS Derivative Overlay Strategy Constituents	**Bloomberg Ticker**	**Defined in Annex**	**Carry Cost (per annum)**	**Adjustment Fee**
UBS EURO STOXX 50 90%-104% Calendar Collar Strategy	N/A	2	0.25%	0.15%

2.3 Market Beta Index Constituents

The Reference Portfolio may reference as UBS Market Beta Index Constituents long and/or short positions in total indices which provide exposure to futures markets, and which are owned or sponsored by UBS AG and/or its affiliates (each an "**Eligible UBS Market Beta Index Constituent**") from the universe described below (the "**UBS Market Beta Index Investment Universe**").

	UBS Market Beta Index Constituents	**Bloomberg Ticker**	**Carry Cost (per annum)**	**Adjustment Fee**
1	UBS 2Y US Treasuries Index ER	MLTAUS2E	0.08%	0.015%
2	UBS 2Y German Bond Index ER	MLTAGB2E	0.10%	0.02%

Eligible UBS Market Beta Index Constituents from the Market Beta Investment Universe may be selected in the sole discretion of the Reference Portfolio Advisor pursuant and subject to the provisions contained in this document. The Calculation Agent may retain the right to reject the inclusion of any Eligible UBS Market Beta Index Constituent due to any applicable rules, regulations and internal or external restrictions according to the provisions as set out below in Section 4 ("**Rebalancing of the Reference Portfolio**") below.

2.4 ETF Constituents

The Reference Portfolio may reference as ETF Constituents long positions in certain ETFs from the universe described below (the "**ETF Investment Universe**").

Only ETFs that are physically replicated, exposed to Developed Market (according to the most recent MSCI Global Investable Market Indexes Methodology) worldwide stocks or benchmark indices and with assets under management greater or equal to USD 100 million may be incorporated as long ETF Constituents in the Reference Portfolio (each an "**Eligible ETF Constituent**").

In respect of the dividend treatment of ETF Constituents, refer to Section 1 ("**Description of the Product**") of this document.

Eligible ETF Constituents from the ETF Investment Universe may be selected in the sole discretion of the Reference Portfolio Advisor pursuant and subject to the provisions contained in this document. The Calculation Agent may retain the right to reject the inclusion of any Eligible ETF Constituent due to any applicable rules, regulations and internal or external restrictions according to the provisions as set out below in Section 4 ("**Rebalancing of the Reference Portfolio**") below.

2.5 Equity Option Constituents

The Reference Portfolio may reference as Equity Option Constituents long or short positions in various exchange-traded call and put equity vanilla options from the universe described below (the "**Equity Option Investment Universe**").

Only exchange-traded call and put equity vanilla options that are exposed to Developed Market (according to the most recent MSCI Global Investable Market Indexes Methodology) worldwide stocks or benchmark indices and/or ETFs tracking Developed Market worldwide stocks or benchmark indices may be incorporated as Equity Option Constituents in the Reference Portfolio (each an "**Eligible Equity Option Constituent**").

Eligible Equity Option Constituents from the Equity Option Investment Universe may be selected in the sole discretion of the Reference Portfolio Advisor pursuant and subject to the provisions contained in this document. The Calculation Agent may retain the right to reject the inclusion of any Eligible Equity Option Constituent due to any applicable rules, regulations and internal or external restrictions according to the provisions as set out below in Section 4 ("**Rebalancing of the Reference Portfolio**") below.

2.6 Cash Position

From time to time, the notional Reference Portfolio may also contain a Cash Position as a Reference Portfolio Component, which represents a notional holding of a cash account denominated in the Reference Portfolio Currency and accruing interest at the prevailing reference rate (the "**Reference Rate**"), which can be negative from time to time.

The Reference Rate is observed on every Business Day and shall be equal to (i) the Federal Funds Target Rate – Upper Bound (Bloomberg page: FDTR <Index>) (ii) plus the EUR Forward Implied 3 Month Rate (Bloomberg Page: EURI3M Curncy) (iii) minus the USD 3 Month LIBOR Rate (Bloomberg Page: US003M Index) (each a "**Relevant Screen Page**") (each a "**Reference Rate Component**"), which for the avoidance of doubt may be negative from time to time.

If one or more Relevant Screen Page is not available or if a Reference Rate Component is not displayed, the Reference Rate Component shall be the equivalent rate as displayed on the corresponding page of another financial information service. If one or more Reference Rate Component is no longer displayed in one of these forms, the Calculation Agent is entitled to specify at its reasonable discretion a successor Reference Rate Component calculated on the basis of the standard market practices applicable at that time as the Reference Rate Component.

The value of the Cash Position will thereafter be positively or negatively affected by deductions and any, as described in Section 2 and 4 herein. Finally, the Cash Position will be negatively impacted by the deduction of the Adjustment Fee and, when relevant, the pro-rata share of the Reference Portfolio Fee, as described under the "Fees" definition in Section 1 ("**Description of the Product**") of this document.

The Cash Position may be notionally reinvested into Constituents from time to time, in the reasonable discretion of the Reference Portfolio Advisor.

2.7 Investment Restrictions

Eligible Constituents as well as Constituents may be selected by the Reference Portfolio Advisor for notional purchase or, as the case may be, sale or unwind in accordance with the following investment restrictions (the "**Investment Restrictions**"):

(i) The Weight of the Cash Position shall at all times be greater than -5%.

(ii) The Weight of the Cash Position shall, on average throughout a calendar year, be smaller than 50%.

(iii) The sum of the Weights and Exposures of all Constituents (excluding, for the avoidance of doubt, UBS Derivative Overlay Strategy Constituents) is capped at a maximum of 100% (the "**Leverage Threshold**") at all times during the lifetime of the product. In case the sum of the Weights of all Constituents, exceeds the Leverage Threshold, the Calculation Agent is entitled to notionally sell Constituents at its reasonable discretion until the sum of the Weights of all Constituents, is smaller than or equal to 95%. In respect of such notional sales of such Constituents, a notional credit (which may be equal to zero) shall be made to the Cash Position corresponding to the Notional Net Disposal Value (which may be equal to zero) of such Constituents with effect from the date of such Constituents' notional sale.

(iv) The sum of the Exposures of all UBS Derivative Overlay Strategy Constituents is capped at a maximum of 100% (the "**Overlay Threshold**") at all times during the lifetime of the product. In case the sum of the Exposure of all UBS Derivative Overlay Strategy Constituents, exceeds the Overlay Threshold, the Calculation Agent is entitled to notionally sell UBS Derivative Overlay Strategy Constituents at its reasonable discretion until the sum of the Exposure of all UBS Derivative Overlay Strategy Constituents, is smaller than or equal to 95%. In respect of such notional sales of such Constituents, a notional credit (which may be equal to zero) shall be made to the Cash Position corresponding to the Notional Net Disposal Value (which may be equal to zero) of such Constituents with effect from the date of such Constituents' notional sale.

(v) The sum of the Weights of all Stock Constituents which are emerging market stocks (when accessed via ADRs) is capped at a maximum of 30% (the "**Emerging Market ADR Threshold**"). In case the sum of the Weights of all such Constituents exceeds the Emerging Market ADR Threshold, the Calculation Agent is entitled to notionally sell such Constituents at its reasonable discretion until the sum of the Weights of all such Constituents, is smaller than or equal to 25%. In respect of such notional sales of such Constituents, a notional credit (which may be equal to zero) shall be made to the Cash Position corresponding to the Notional Net Disposal Value (which may be equal to zero) of such Constituents with effect from the date of such Constituents' notional sale.

(vi) The absolute value of the Holdings of each ETF Constituent and/or Fund Constituent is capped at a maximum of 5% of the assets under management of such ETF Constituent and/or Fund Constituent, as determined by the Calculation Agent in its reasonable discretion (the "**Concentration Threshold**") at all times during the lifetime of the product. In case the Holdings of an ETF Constituent and/or Fund Constituent exceed the Concentration Threshold, the Calculation Agent is entitled to notionally sell such ETF Constituent and/or Fund Constituent at its reasonable discretion until the Holdings of such ETF Constituent and/or Fund Constituent are smaller than or equal to the Concentration Threshold. In respect of such notional sales of such ETF Constituent and/or Fund Constituent, a notional credit (which may be equal to zero) shall be made to the Cash Position corresponding to the Notional Net Disposal Value (which may be equal to zero) of such ETF Constituent and/or Fund Constituent with effect from the date of the notional sale of such ETF Constituent and/or Fund Constituent.

(vii) Short positions in any exchange-traded equity vanilla call option can only be used for covered call strategies. As such, the absolute value of the Exposure of a short position in any exchange-traded equity vanilla call option must be less than or equal to the Exposure of the corresponding Constituent.

(viii) Short positions in exchange-traded equity vanilla put options can only be used if covered by the Cash Position. As such, the absolute value of the Exposure of a short positions in any exchange-traded equity vanilla put option must be less than or equal to Weight of the Cash Position must be equal or greater than the sum of all the Exposures, in respect of which the Reference Portfolio has a short position, of all exchange-traded equity vanilla put options.

For the avoidance of doubt: The responsibility and legal duty that the Reference Portfolio complies with the above guidelines is solely with the Reference Portfolio Advisor.

2.8 Additional Definitions

"**Weight**" means, with respect to the Pricing Date or any Business Day and pertaining to a Stock Constituent, ETF

Constituent, Equity Option Constituent, and/or to the Cash Position, the notional value of such Constituent (taking into account the number of units of each Constituent in respect of which the Reference Portfolio has exposure), adjusted for the pro-rata share of the daily Reference Portfolio Fee accrual, when relevant, as converted into the Reference Portfolio Currency, where such Constituent is not denominated in the Reference Portfolio Currency, at the then prevailing exchange rate, divided by the Reference Portfolio Level, both as determined by the Calculation Agent in its reasonable discretion.

Maximum Weight" means, with respect to the Pricing Date or any Business Day and pertaining to any UBS Derivative Overlay Strategy Constituent, the maximum permissible Weight.

"**Exposure**" means, with respect to the Pricing Date or any Business Day and pertaining to an UBS Market Beta Index Constituent, Equity Option Constituent and/or UBS Derivative Overlay Strategy Constituent, the notional exposure in the Reference Portfolio Currency of such Constituent, as converted into the Reference Portfolio Currency, where such Constituent is not denominated in the Reference Portfolio Currency, at the then prevailing exchange rate, divided by the Reference Portfolio Level, both as determined by the Calculation Agent in its reasonable discretion.

"**Holdings**" means, with respect to the Pricing Date or any Business Day and pertaining to an ETF Constituent, the Weight of such ETF Constituent, multiplied by the Reference Portfolio Level and by the prevailing number of outstanding Certificates, all as determined by the Calculation Agent in its reasonable discretion.

"**Currency Weight**" means, with respect to the Pricing Date or any Business Day and pertaining to a UBS Derivative Overlay Strategy Constituent, the number of units of the UBS Derivative Overlay Strategy Constituent (for the avoidance of doubt, per Portfolio Certificate), times the value of such UBS Derivative Overlay Strategy Constituent times the prevailing number of outstanding Certificates, all as determined by the Calculation Agent in its reasonable discretion, if applicable and specified above.

"**Maximum Currency Weight**" means, with respect to the Pricing Date or any Business Day and pertaining to any UBS Derivative Overlay Strategy Constituent, the maximum permissible Currency Weight.

3. Initial Composition of the Reference Portfolio

The Reference Portfolio was created on the Pricing Date with an opening value equal to the Initial Reference Portfolio Level. On the Pricing Date, the Constituents were as set out below.

Bloomberg Ticker	Reference Portfolio Component	Weight
N/A	EUR cash	100.00%

The current composition of the Reference Portfolio (including the respective Weights) may be requested free of charge at any time from UBS AG, P.O. Box, CH-8098 Zurich (Switzerland), via telephone (+41-(0)44-239 47 03), fax (+41-(0)44-239 69 14) or via e-mail (swiss-prospectus@ubs.com).

4. Rebalancing of the Reference Portfolio

4.1 A Rebalancing may be initiated by the Reference Portfolio Advisor on any Business Day following the Pricing Date, effective as soon as reasonably practicable, as determined by the Calculation Agent in a commercially reasonable manner (such day, a "**Reference Portfolio Adjustment Date**"), subject to the occurrence of a Market Disruption Event on such Constituents Business Day. The expected number of Rebalancings in any such 12 month period is 52.

For the avoidance of doubt, a single Rebalancing may comprise of a change to more than one Constituent, and therefore a change in the position of multiple Constituents which were the result of a single Rebalancing instruction by the Reference Portfolio Advisor shall be considered as one Rebalancing.

4.2 On any Business Day, the Reference Portfolio Advisor may, as it deems appropriate in its reasonable discretion, give notice to the Calculation Agent not later than 5 p.m. CET for European orders and 7 p.m. CET for all other orders, of its intention to initiate a Rebalancing on such day (a "**Rebalancing Notice**"), and effective on the Reference Portfolio Adjustment Date.

Should the Calculation Agent determine that a Rebalancing shall be effective over multiple days (for example in the scenario where some Constituents referenced in a Rebalancing may be notionally purchased or sold on a Constituents Business Day and other Constituents referenced in the same Rebalancing may be notionally purchased or sold on a subsequent (immediately following or otherwise) Constituents Business Day), then despite the effective date covering multiple Constituents Business Days it shall be treated as a single Rebalancing.

Save as the Calculation Agent may otherwise agree, a Rebalancing Notice shall not be effective if, at the time of such Rebalancing Notice is received, a Rebalancing in respect of any Rebalancing Notice received earlier on such Business Day has not yet been completed or otherwise rejected. For the purposes hereof, a Rebalancing is deemed completed upon notification by the Calculation Agent to the Reference Portfolio Advisor, with respect to the relevant Rebalancing, of the relevant Notional Net Acquisition Cost of each Eligible Constituent notionally included in the Reference Portfolio, the Notional Net Disposal Value(s) of each Constituent notionally removed from the Reference Portfolio, and the Weight of each Constituent notionally comprised in the Reference Portfolio following the relevant Rebalancing as provided in sub-Section 4.6 below.

4.3. The Calculation Agent will determine the exact units or number of Constituents based on prevailing market conditions, including exchange rates when relevant, in its reasonable discretion. Such number may deviate from the target Weight recommended by the Reference Portfolio Advisor.

4.4 On each Reference Portfolio Adjustment Date, notional debits and credits to the Cash Position shall be made as follows:

(i) In respect of the notional purchase of an Eligible Stock Constituent, Eligible ETF Constituent and/or Eligible Equity Option Constituent, a notional debit shall be made to the Cash Position corresponding to the Notional Net Acquisition Cost of such Constituent, with effect from the date of the notional purchase of such Constituent; and

(ii) In respect of the notional sale or unwind of a Stock Constituent, ETF Constituent and/or Equity Option Constituent, a notional credit (which may be equal to zero) shall be made to the Cash Position corresponding to the Notional Net Disposal Value of such Constituent, with effect from the date of the notional sale of such Constituent.

(iii) In respect of the unwind of a UBS Derivative Overlay Strategy Constituent or UBS Market Beta Index Constituent, a notional credit (which may be equal to zero) or a notional debit corresponding to the performance of such Constituent, as converted into Reference Portfolio Currency, where such performance is not denominated in the Reference Portfolio Currency, at the then prevailing exchange rate, both as determined by the Calculation Agent in its reasonable discretion, shall be made to the Cash Position with effect from the date of such unwind.

4.5 The Calculation Agent is entitled but has no legal duty to refuse the notional purchase of any Eligible Constituent and/or the notional sale or unwind of any Constituents and to require the Reference Portfolio Advisor to initiate a Rebalancing in certain circumstances, as follows:

(i) The Reference Portfolio Advisor has selected an asset for inclusion in the notional Reference Portfolio which is not part of the Investment Universes;

(ii) The Reference Portfolio is, or following the relevant Rebalancing would breach any of the Investment Restrictions or any other rule or provision contained herein;

(iii) A Market Disruption Event has occurred in respect of the relevant Eligible Constituent or Constituent on the relevant Reference Portfolio Adjustment Date;

(iv) A FX Disruption Event has occurred in respect of the relevant Eligible Constituent or Constituent on the relevant Reference Portfolio Adjustment Date;

(v) The Calculation Agent determines that a Hedging Disruption Event has occurred in relation to any Constituent or Eligible Constituent. In this paragraph, "**Hedging Disruption Event**" means the determination by the Calculation Agent that it would not be reasonably practicable or it would otherwise be undesirable, for any reason, for a notional investor wholly or partially to establish, re-establish, substitute or maintain any hedging transaction which in the determination of the Calculation Agent would be necessary or desirable to hedge the obligations of an issuer of securities linked to the performance of the Reference Portfolio (such reasons may include, but are not limited to (i) any material illiquidity in the market for any Constituent or Eligible Constituent, (ii) a change in any applicable law (including, without limitation, any tax law) or the promulgation of, or change in, the interpretation of any court, tribunal or regulatory authority with competent jurisdiction of any applicable law (including any action taken by a taxing authority); or (iii) the general unavailability of market participants who would agree to enter into any such hedging transaction on commercially reasonable terms or at all; and

(vi) The Calculation Agent determines that it would not be reasonably practicable for a notional investor in the same position as the Issuer to make purchases and/or sales or unwind of any Eligible Constituent or Constituent, as the case may be, due to compliance, regulatory, reporting or reputational constraints, take-over considerations, internal restrictions or lack of internal approval.

In the event that the Calculation Agent requires the Reference Portfolio to initiate a Rebalancing such that the Reference Portfolio complies with the foregoing, the Reference Portfolio Advisor shall, as soon as is reasonably practicable and without undue delay, initiate a Rebalancing such that the Reference Portfolio complies with the foregoing as at the immediately following Reference Portfolio Adjustment Date. The Reference Portfolio Advisor has no right to object to such Rebalancing required by the Calculation Agent.

For the avoidance of doubt: Notwithstanding the entitlements of the Calculation Agent under this paragraph, the sole responsibility and legal duty to advise the Reference Portfolio in compliance with the rules and provisions contained in this document is with the Reference Portfolio Advisor.

4.6 As soon as is reasonably practicable after receipt of an effective Rebalancing Notice on a Reference Portfolio Adjustment Date, and subject to any rejection pursuant to sub-Section 4.5 above, the Calculation Agent shall notify the Reference Portfolio Advisor of (a) the Notional Net Acquisition Cost and Notional Net Disposal Value, applicable to each Eligible Constituent and/or Constituent that is subject to the Rebalancing and (b) the Weight and/or Exposure of each Constituent comprised in the Reference Portfolio as a result of the Rebalancing. Upon receipt by the Reference Portfolio Advisor of such notice from the Calculation Agent, the Rebalancing shall be binding and conclusive on the Reference Portfolio Advisor in the absence of manifest error.

For the avoidance of doubt, a proposed Rebalancing shall be effective only if and to the extent that the Calculation Agent, on the Reference Portfolio Adjustment Date on which the relevant Rebalancing Notice is given, notifies to the Reference Portfolio Advisor the information mentioned in (a) and (b) above. Should a proposed Rebalancing not be fully effective on a Reference Portfolio Adjustment Date, the Reference Portfolio Advisor will be required to deliver one or more further Rebalancing Notices in accordance with the provisions hereof to execute the remainder of the initially proposed Rebalancing.

4.7 In this Section:

(i) "**Notional Net Acquisition Cost**" means, in relation to an Eligible Stock Constituent, Eligible ETF Constituent and/or Eligible Equity Option Constituent, the notional price (including any applicable Adjustment Fee) at which the Calculation Agent determines that a notional investor would be able to purchase or otherwise acquire exposure to, or close-out a short position in, such Constituent (where applicable, on the relevant Exchange) at execution time on the relevant Reference Portfolio Adjustment Date, as converted into Reference Portfolio Currency where such Constituent is not denominated in the Reference Portfolio Currency, at the then prevailing exchange rate, each as determined by the Calculation Agent in its reasonable discretion; and

(ii) "**Notional Net Disposal Value**" means, in relation to a Stock Constituent, ETF Constituent and/or Equity Option Constituent (or Eligible Option Constituent), the notional price (net of any applicable Adjustment Fee) at which the Calculation Agent determines that a notional investor would be able to sell or otherwise realise exposure to, or acquire a short exposure in such Constituent (or Eligible Constituent) (where applicable, on the relevant Exchange) at execution time on the relevant Reference Portfolio Adjustment Date, as converted into Reference Portfolio Currency, where such Constituent or Eligible Constituent) is not denominated in the Reference Portfolio Currency, at the then prevailing exchange rate, each as determined by the Calculation Agent in its reasonable discretion.

5. Fees and Costs applicable to the Reference Portfolio

The Reference Portfolio Level is calculated net of fees and costs described under the "Fees" definition in Section 1 ("**Description of the Product**") of this document.

6. Adjustments of the Reference Portfolio

If, at any time, any event occurs in relation to any Constituent which the Calculation Agent determines requires any adjustment(s) to be made to the composition of the Reference Portfolio, then the Calculation Agent shall (i) determine which adjustment(s) are to be made to the Reference Portfolio with a view to account for the effect of the relevant event and to preserve the prevailing composition of the Reference Portfolio immediately prior to the occurrence of such event and (ii) determine the date on which such adjustment(s) shall take effect.

For the avoidance of doubt: Notwithstanding the entitlements of the Calculation Agent under this paragraph, the sole responsibility and legal duty to advise the Reference Portfolio in compliance with the rules and provisions contained in this document is with the Reference Portfolio Advisor.

Annex 2 – [UBS EURO STOXX 50 90% - 104% Calendar Collar Strategy]

The purposes of this Annex 2 is to define the rules using to calculate the level of the UBS EURO STOXX 50 90% - 104% Calendar Collar Strategy, a UBS Derivative Overlay Strategy Constituent.

This Annex sets out the methodology used to calculate the level of the Option Portfolio (the "Option Portfolio Level") in Option Portfolio Currency. The level of the Strategy ("Strategy Level") will be equal to the Option Portfolio Level.

1. Summary of Details

Table 1: Option Portfolio Details

Terms	***Definition***
Fee	0.0%
Option Portfolio Commencement Date	09 January 2017
Initial Value of Cash Position	Initial Issue Price
Calendar Day Count Convention	365
Scheduled Trading Day Count Convention	252
Tax Adjustment Multiplier	70%
Risk Free Rate	0%
Option Discounting Rate	0%

Table 2: Option Details

Option Contract	**1**	**2**
Underlying Index	EURO STOXX 50 Index (Bloomberg Ticker: SX5E Index)	EURO STOXX 50 Index (Bloomberg Ticker: SX5E Index)
Underlying Index Sponsor	STOXX Limited	STOXX Limited
Underlying Settlement Index	An index representing the official closing price of the Underlying Index as published by the Underlying Index Sponsor	The relevant EDSP (Exchange Delivery Settlement Price) as published by relevant Exchange (Bloomberg: FSX5ES Index)
Option Settlement Price	The settlement price of the relevant option as published by the corresponding Exchange	The settlement price of the relevant option as published by the corresponding Exchange
Currency	Euro (EUR)	Euro (EUR)
Exchange	EUREX	EUREX
Option Type	Call	Put
Style	European	European
Target Maturity Period	21 Scheduled Trading Days	12 Months
Strike Type	% of Forward	% of Forward
Target Strike	104%	90%
Listed Target Expiration Date	Third Friday of each month	Third Friday of each month
Listed Target Strike Interval	EUR 25	EUR 25
Allocation	-1/21	+1/252
Option Premium Floor	0%	0%
Option Cost Floor	0.025%	0.025%
Vega Ratio Min	0.6	0.6
Vega Ratio Scale	0.6	0.6
IV Barrier	16%	16%

2. Definitions

"CDCC" means Calendar Day Count Convention as provided in Table 1;
"Currency of Portfolio Constituent "i"" means the currency in which the Portfolio Constituent "i" is denominated, as provided in Table 2 in respect of each Option Contract;

"Current Options" means in respect of any Option Portfolio Business Day, all Live Options that are not Expiring Options with respect to such Option Portfolio Business Day. For the avoidance of doubt, Current Options shall include all New Options;

“Disrupted Day” means any Scheduled Trading Day in respect of which:

(i) a Market Disruption Event has occurred in relation to any Portfolio Constituent; and/or
(ii) a Market Disruption Event has occurred in relation to an Portfolio Reference Index Component; and/or
(iii) any Exchange or any Related Exchange(s) fails to open for trading during its regular trading session;

“Early Closure” means the closure on any Scheduled Trading Day of the relevant Exchange or Related Exchange in respect of any Portfolio Constituent or, as the case may be, Portfolio Reference Index Component, prior to its scheduled closing time unless such earlier closing is announced by such Exchange or Related Exchange(s) at least one hour prior to the earlier of: (i) the actual closing time for the regular trading session on such Exchange or Related Exchange(s) on such Scheduled Trading Day; and (ii) the submission deadline for orders to be entered into the relevant Exchange or Related Exchange(s) system for execution as at the close of trading on the relevant Exchange or Related Exchange(s) on such Scheduled Trading Day;

"Exchange" means, in respect of a Portfolio Constituent, the exchange or quotation system on which that Portfolio Constituent is principally traded, as provided in Table 2 in respect of each Option Contract;

“Exchange Disruption” means any event (other than an Early Closure) that disrupts or impairs the ability of market participants in general to effect transactions in, or obtain market values for (1) any Portfolio Constituent on the relevant Exchange or any Portfolio Reference Index Component on a Related Exchange or (2) any futures or options contracts relating to such Portfolio Constituent or such Portfolio Reference Index Components on any relevant Related Exchange(s), in each case, as determined by the Calculation Agent;

"Expiring Options" means in respect of any Option Portfolio Business Day, all Portfolio Constituents that are expiring on such Option Portfolio Business Day;

"Expiry Date" means the expiry date of the relevant option as detailed in Section 5(b);

"Far Expiry Date" shall have the meaning given to such term in Section 5(b) and 6(e);

"Listed Expiry Dates" means in respect of each Option Contract, all expiry dates corresponding to Listed Options;

"Listed Options" means in respect of each Option Contract, all the exchange traded options corresponding to the relevant Underlying Index that are listed on the relevant Exchange with expiries corresponding to Listed Target Expiration Date and strikes being a multiple of Listed Target Strike Interval;

"Listed Strikes" means in respect of each Option Contract, all strikes corresponding to Listed Option;

“Listed Target Expiration Date” means in respect of each Option Contract, all expiry dates of the corresponding Listed Options, as provided in Table 2;

"Listed Target Strike Interval" means in respect of each Option Contract, the value as stated in Table 2;

"Live Options" means in respect of any Option Portfolio Business Day, all Portfolio Constituents which are due to expire on or after such Option Portfolio Business Day;

"Near Expiry Date" shall have the meaning given to such term in Section 5(b) and 6(e);

"New Options" means in respect of any Option Portfolio Business Day, all Portfolio Constituents to which exposure is acquired on such Option Portfolio Business Day;

"Market Disruption Event" means in respect of any Portfolio Constituent and/or any Portfolio Reference Index Component, the occurrence or existence of:

(i) a Trading Disruption;

(ii) an Exchange Disruption; or

(iii) an Early Closure;

in each case, which the Calculation Agent determines is material;

"Option Contract" means the contract terms used to define and categorise the Portfolio Constituents, and shall include the contract(s) stated in Table 2;

"Option Portfolio Business Day" means each Scheduled Trading Day which is also a London Business Day;

"Option Portfolio Commencement Date" means the date as stated in Table 1;

"Option Type" means for each Option Contract, the Option Type specified in Table 2;

"Option Settlement Price" means as defined in Table 2;

"Option Spread" means, the spread charged for trading the relevant option as detailed in Section 6(c);

"Option Strike" means, the strike level of the relevant option as detailed in Section 5(c);

"Option Units" means the number of units traded of the relevant option as detailed in Section 5(e);

"Option Weight" means the weight in the relevant option as detailed in Section 5(d);

"Portfolio Constituents" means in respect of any Option Portfolio Business Day, as of close of such Option Portfolio Business Day all option contracts that have non-zero exposure in the portfolio including the option contracts that are due to expire on such Option Portfolio Business Day;

"Portfolio Reference Index" means any index referenced by, and serving as the underlying of a Portfolio Constituent;

"Portfolio Reference Index Component" means in respect of each Portfolio Reference Index any share, financial instrument or security, asset or other component referenced by such Portfolio Reference Index;

"Rebalancing Day" means each Option Portfolio Business Day;

"Related Exchange(s)" means in respect of each Portfolio Reference Index Component, the exchange or quotation system on which that Portfolio Reference Index Component is principally traded, as determined by the Calculation Agent;

"Risk Free Rate" means rate as provided in Table 1;
"Scheduled Trading Day" means any day on which each Exchange (corresponding to each Live Option) is scheduled to be open for trading for their respective regular trading sessions;

"$STDCC$" means Scheduled Trading Day Count Convention as provided in Table 1.
"Target Maturity Period" means the period defined in Table 2 in respect of each Option Contract;

"Trading Disruption" means any suspension or permanent discontinuation of, or limitation imposed on trading in (1) any Portfolio Constituent on the relevant Exchange or any Portfolio Reference Index Component on a relevant Related Exchange or (2) any futures or options contracts relating to such Portfolio Constituent or such Portfolio Reference Index Component on any relevant Related Exchange(s);

"Underlying Index" is defined in Table 2 for each Option Contract;

"Underlying Index Level" on any Option Portfolio Business Day "t" is the closing price of the Underlying Index as published by the Underlying Index Sponsor on that Option Portfolio Business Day "t";

"Underlying Index Sponsor" is defined in Table 2 for each Underlying Index corresponding to each Option Contract; and

"Underlying Settlement Index" is defined in Table 2 for each Option Contract.

3. Generic Functions

- $\boldsymbol{\tau_{a,b}^{STD}}$**:** Function returns the time in years between date 'b' and 'a' using Scheduled Trading Day convention.

$$\tau_{a,b}^{STD} = \frac{STD(a,b)}{STDCC}$$

- $\boldsymbol{\tau_{a,b}^{CD}}$**:** Function returns the time in years between date 'b' and 'a' using Calendar Day convention.

$$\tau_{a,b}^{CD} = \frac{CD(a,b)}{CDCC}$$

- $\mathbf{STD(a,b)}$: Function returns the number of Scheduled Trading Days from (but excluding) the date 'b' to (and including) the date "a". This function can return negative value if day 'b' occurs after date 'a'.
- $\mathbf{CD(a,b)}$: Function returns the number of Calendar Days from (but excluding) the date 'b' to (and including) the date "a". This function can return negative value if day 'b' occurs after date 'a'.
- $\mathbf{N(x)}$: Function returns the normal cumulative distribution at x.
- $\mathbf{N'(x)}$: Function returns the normal probability distribution at x.
- $\mathbf{Nearest^{+}(a,b,X)}$: Function returns the nearest available strike to 'a' that is a multiple of 'b' within the set of Listed Strikes 'X' such that (i) this strike is always greater than or equal to 'a' and (ii) there exists both a listed call option as well as a listed put option corresponding to this strike.
- $\mathbf{Nearest^{-}(a,b,X)}$: Function returns the nearest available strike to 'a' that is a multiple of 'b' within the set of Listed Strikes 'X' such that (i) this strike is always less than 'a' and (ii) there exists both a listed call option as well as a listed put option corresponding to this strike.

4. Option Portfolio Level Calculation

a. Option Portfolio Level

On any Option Portfolio Business Day "t", the Option Portfolio Level reflects the sum of (i) the Cash Position Level and (ii) the Option Valuation of all Current Options in the portfolio.

In respect of each Option Portfolio Business Day "t" (and subject to the occurrence of an option liquidation event), the Option Portfolio Level ("**OP_t**") will be determined by the Calculation Agent in accordance with the following formula:

$$\mathbf{OP_t = Cash_t + \sum_{i \in C_t}\left[OptUnit_i \times OptVal_{i,t}\right]}$$

Where:

"$\mathbf{Cash_t}$" means the Cash Position Level in respect of Option Portfolio Business Day "t", as determined in accordance with the provisions herein;

"$\mathbf{C_t}$" means the set or universe of Current Options in respect of Option Portfolio Business Day "t";

"$\mathbf{OptUnit_i}$" means the Option Units of Portfolio Constituent "i", as determined in accordance with the provisions herein;

"$\mathbf{OptVal_{i,t}}$" means the Option Valuation of Portfolio Constituent "i" in respect of Option Portfolio Business Day "t", as determined in accordance with the provisions herein, provided that where such Option Portfolio Business Day "t" is a Disrupted Day, then the value of such Portfolio Constituent "i" shall be determined by the Calculation Agent.

b. Cash Position

The Cash Position represents exposure to a notional cash account. The level of the Cash Position (the "**Cash Position Level**") in respect of each Option Portfolio Business Day "t" ("**$Cash_t$**") will be determined by the Calculation Agent in accordance with the following formula:

$$\mathbf{Cash_t = Cash_{t-1} \times \left(1 + RFR_{t-1} \times \tau^{CD}_{t,t-1}\right) + Cash^{ExpOpt}_t + Cash^{NewOpt}_t - OP_{t-1} \times Fee \times \tau^{CD}_{t,t-1}}$$

Where:

"$\mathbf{Cash_{t-1}}$" means the Cash Position Level in respect of the Option Portfolio Business Day immediately preceding Option Portfolio Business Day "t". In respect of the Option Portfolio Business Day that is the Option Portfolio Commencement Date, $Cash_{t-1}$ is equal to the Initial Value of Cash Position stated in Table 1;

"$\mathbf{RFR_{t-1}}$" means the Risk Free Rate in respect of the Option Portfolio Business Day immediately preceding Option Portfolio Business Day "t"

"$\mathbf{Cash^{ExpOpt}_t}$" means the cash amount realised by the Expiring Options in respect of Option Portfolio Business Day "t", and will be determined by the Calculation Agent in accordance with the following formula:

$$\mathbf{Cash_t^{ExpOpt}} = \sum_{\mathbf{i \in E_t}} [\mathbf{OptUnit_i} \times \mathbf{OptExpVal_i}]$$

Where:

"$\mathbf{E_t}$" means the set or universe of Expiring Options with respect to Option Portfolio Business Day "t";

"$\mathbf{OptExpVal_{i,t}}$" means the Option Expiration Value of Portfolio Constituent "i", as determined in accordance with the provisions herein;

"$\mathbf{Cash_t^{NewOpt}}$" means the cash amount realised by the New Options in respect of Option Portfolio Business Day "t". If Option Portfolio Business Day "t" is not a Rebalancing Day or if no Portfolio Constituents that are New Options are being notionally traded in respect of Option Portfolio Business Day "t" then $\mathbf{Cash_t^{NewOpt}}$ shall equal zero (0). Otherwise, $\mathbf{Cash_t^{NewOpt}}$ will be determined by the Calculation Agent in accordance with the following formula:

$$\mathbf{Cash_t^{NewOpt}} = -\sum_{\mathbf{i \in N_t}} [\mathbf{OptUnit_i} \times \mathbf{OptVal_{i,t}}] - \sum_{\mathbf{i \in N_t}} \mathbf{abs}[\mathbf{OptUnit_i} \times \mathbf{OptSpread_{i,t}}]$$

Where:

"$\mathbf{N_t}$" means the set or universe of New Options in respect of Option Portfolio Business Day "t";

"$\mathbf{OptSpread_{i,t}}$" means the Option Spread charged for notionally trading Portfolio Constituent "i" in respect of Option Portfolio Business Day "t", as determined in accordance with the provisions herein;

"$\mathbf{OP_{t-1}}$" means the Option Portfolio Level in respect of the Option Portfolio Business Day immediately preceding the Option Portfolio Business Day "t". In respect of the Option Portfolio Business Day that is the Option Portfolio Commencement Date, $\mathrm{OP_{t-1}}$ is equal to zero;

"Fee" means the fee level as detailed in Table 1.

5. Option Portfolio Rebalancing

In respect of each Option Portfolio Business Day "t" that is a Rebalancing Day, the Option Portfolio shall acquire exposure to Portfolio Constituent(s) (corresponding to each Option Contracts) that are New Option(s). The methodology to determine the Option Expiry Date, Option Type, Option Strike, Option Weight and Option Units in respect of each Portfolio Constituent that comprises the New Options is provided below.

a. Option Type ("$\mathbf{X_i}$")

In respect of each Option Portfolio Business Day "t" that is a Rebalancing Day, for each selected Portfolio Constituent "i" corresponding to each Option Contract the relevant Option Type will be as detailed in Table 2.

b. Option Expiry Date ("$\mathbf{ED}_i$")

If the relevant Option Type is “Call” then:

In respect of each Option Portfolio Business Day "t" that is a Rebalancing Day, for each selected Portfolio Constituent "i" corresponding to each Option Contract the relevant Expiry Date will be the Option Portfolio Business Day that is exactly on or after the Target Maturity Period after the relevant Rebalancing day.

If the relevant Option Type is “Put” then:

In respect of each Option Portfolio Business Day "t" that is a Rebalancing Day and for each Option Contract, the relevant selected Portfolio Constituent(s) "i", the Near Listed Expiry Date and the Far Listed Expiry Dates are determined as:

If the first available Listed Expiry Date falls on or after the relevant Target Expiry Date **($\mathbf{TED_{i,t}}$)** then only one Portfolio Constituent is selected with Expiry Date as the first available Listed Expiry Date (the **"Near Expiry Date ($\mathbf{NED_{i,t}}$)"**).

Otherwise, two Portfolio Constituents are selected with respective Expiry Dates as the two closest Listed Expiry Dates enclosing the relevant Target Expiry Date, the nearer Listed Expiry Date being the **"Near Expiry Date ($NED_{i,t}$)"** and the farther Listed Expiry Date being the **"Far Expiry Date ($FED_{i,t}$)"**.

c. Option Strike ("K_i")

If the relevant Option Type is "Call" then:

In respect of each Option Portfolio Business Day "t" that is a Rebalancing Day, for each selected Portfolio Constituent "i" with corresponding expiry date being the Expiry Date, the Option Strike is calculated as:

$$\mathbf{K_i = Target\ Strike_i \times F_{i,t-1}}$$

The Option Strike calculated above will be rounded to 2 decimal places, 0.01 being rounded upwards.

Where:

"$F_{i,t-1}$" means the implied forward corresponding to the Expiry Date of Portfolio Constituent "i" as of the Option Portfolio Business Day immediately preceding the Option Portfolio Business Day "t"., as determined in accordance with the provisions herein; and

"Target Strike$_i$" means, in respect of each Option Contract, the Target Strike as detailed for each Option Contract in Table 2;

If the relevant Option Type is "Put" then:

In respect of each Option Portfolio Business Day "t" that is a Rebalancing Day, for each selected Portfolio Constituent "i" with corresponding expiry date being the Expiry Date, the Option Strike is calculated as:

$$\mathbf{K_i = Nearest^{-}\left(Target\ Strike_i \times F_{i,t-1}, Listed\ Target\ Strike\ Interval_i, Listed\ Strikes_i \right)}$$

Where:

"$F_{i,t-1}$" means the implied forward corresponding to the Expiry Date of Portfolio Constituent "i" as of the Option Portfolio Business Day immediately preceding the Option Portfolio Business Day "t"., as determined in accordance with the provisions herein; and

"Target Strike$_i$" means, in respect of each Option Contract, the Target Strike as detailed for each Option Contract in Table 2.

d. Option Weights ("$OptWgt_i$")

If the relevant Option Type is "Call" then:

In respect of each Option Portfolio Business Day "t" that is a Rebalancing Day and in respect of each Option Contract, the Option Weight for the relevant Portfolio Constituent is equal to:

a) 0% if the corresponding Option Valuation (as described herein) is not available, for example if the Implied Forward for Listed Expiry Dates, or the Implied Volatility for Listed Expiry Dates as defined below cannot be calculated due to market data for the relevant listed Option Contracts not being available;

b) 0% if on Option Portfolio Business Day "t" the relevant Option Valuation adjusted by the Option Spread divided by the relevant Underlying Index Level is less than the Option Premium Floor;

c) 0% if such Rebalancing Day is a Disrupted Day;

d) If (a), (b) and (c) are not applicable, then 100%.

If the relevant Option Type is "Put" then:

In respect of each Option Portfolio Business Day "t" that is a Rebalancing Day and in respect of each Option Contract, the Option Weight for each of the the relevant Portfolio Constituent(s) "i" is equal to:

a) If only one Portfolio Constituent is selected with Expiry Date being the same as the relevant Near Expiry Date then

   a. 0% if the corresponding Option Valuation (as described herein) is not available, for example if the Implied Forward for Listed Expiry Dates, or the Implied Volatility for Listed Expiry Dates as defined below cannot be calculated due to market data for the relevant listed Option Contracts not being available;

   b. 0% if on Option Portfolio Business Day "t" the relevant Option Valuation adjusted by the Option Spread divided by the relevant Underlying Index Level is less than the Option Premium Floor;

   c. 0% if such Rebalancing Day is a Disrupted Day;

   d. If (a), (b) and (c) are not applicable, then 100%;

b) Otherwise, if two Portfolio Constituents are selected with Expiry Dates being the relevant Near Expiry Date and the Far Expiry Date respectively then for each Portfolio Constituent

   a. 0% if the corresponding Option Valuation (as described herein) is not available, for example if the Implied Forward for Listed Expiry Dates, or the Implied Volatility for Listed Expiry Dates as defined below cannot be calculated due to market data for the relevant listed Option Contracts not being available;

   b. 0% if on Option Portfolio Business Day "t" the relevant Option Valuation adjusted by the Option Spread divided by the relevant Underlying Index Level is less than the Option Premium Floor;

   c. 0% if such Rebalancing Day is a Disrupted Day;

   d. If (a), (b) and (c) are not applicable, then:

      i. For the Portfolio Constituent with Expiry Date coinciding with the Near Expiry Date

$$\mathbf{OptWgt_i} = \frac{\tau^{STD}_{TED_{i,t},FED_{i,t}}}{\tau^{STD}_{NED_{i,t},FED_{i,t}}}$$

      ii. For the Portfolio Constituent with Expiry Date coinciding with the Far Expiry Date

$$\mathbf{OptWgt_i} = \frac{\tau^{STD}_{NED_{i,t},TED_{i,t}}}{\tau^{STD}_{NED_{i,t},FED_{i,t}}}$$

e. Option Units ("$\mathbf{OptUnit_i}$")

In respect of each Option Portfolio Business Day "t" that is a Rebalancing Day, for each selected Portfolio Constituent "i" that shall form part of the New Options, the Option Units to be traded are:

$$\mathbf{OptUnits_i} = \mathbf{Allocation_i} \times \frac{\mathbf{OP}_{t-1} \times \mathbf{OptWgt_i}}{\mathbf{UI_{i,t-1}}}$$

Where:

"$\mathbf{Allocation_i}$" means for the Portfolio Constituent "i" the relevant Allocation as detailed in Table 2; and
"$\mathbf{UI_{i,t-1}}$" means the Underlying Index Level corresponding to Portfolio Constituent "i" on the Option Portfolio Business Day immediately preceding the Option Portfolio Business Day "t".

6. Calculation of option parameters corresponding to each Portfolio Constituent

In respect of each Portfolio Constituent 'i' that is an option, also interchangeably referred to as Option 'i', the relevant Option Valuation, Option Expiration Value, Option Spread, Option Vega, Implied Forward and Option Implied Volatility is calculated using the provisions herein.

Each Option 'i' is uniquely identified using three parameters:

1. Option Expiry Date **"ED_i"**
2. Option Type **"X_i"** (where X ∈ {'C=Call','P=Put'})
3. Option Strike **"K_i"**

a. Option Valuation ("$\mathbf{OptVal_{i,t}}$")

For each Portfolio Constituent "i" in respect of each Option Portfolio Business Day "t", the Option Valuation is determined as:

If the relevant Option Type is 'Call' then: $\mathbf{OptionVal_{i,t}} = \left(\mathbf{F_{i,t}} \times \mathbf{N}\left(\mathbf{d1}_{i,t}\right) - \mathbf{K_i} \times \mathbf{N}\left(\mathbf{d2}_{i,t}\right)\right) \times \boldsymbol{exp}\left(-\boldsymbol{ODR_t} \times \tau^{CD}_{ED_i,t}\right)$

Where:

$$\mathrm{d1}_{\mathrm{i,t}} = \frac{1}{\sigma_{i,t} \times \sqrt{\tau^{STD}_{ED_i,t}}} \times \left[\ln\left(\frac{\mathrm{F_{i,t}}}{\mathrm{K_i}}\right) + \frac{1}{2} \times \sigma^2_{i,t} \times \tau^{STD}_{ED_i,t}\right];$$

$$\mathrm{d2}_{\mathrm{i,t}} = \mathrm{d1}_{\mathrm{i,t}} - \sigma_{i,t} \times \sqrt{\tau^{STD}_{ED_i,t}};$$

"$\mathbf{F_{i,t}}$" means the implied forward corresponding to the Expiry Date of Portfolio Constituent "i" as of the Option Portfolio Business Day "t", as determined in accordance with the provisions herein; and

"$\boldsymbol{\sigma}_{\mathbf{i,t}}$" means the implied volatility level for the Strike and Expiry Date corresponding to Portfolio Constituent "i", as of Option Portfolio Business Day "t", as determined in accordance with the provisions herein; and

"$\mathbf{ODR_{t-1}}$" means the Option Discounting Rate in respect of the Option Portfolio Business Day "t".

If on any Option Portfolio Business Day "t", the Calculation Agent is unable to determine the Option Valuation using the above methodology, then the Calculation Agent will determine the relevant Option Valuation on a best efforts basis in a commercially reasonable manner.

If the relevant Option Type is "Put" then: $\mathbf{OptionVal_{i,t}} = \mathbf{OptSettPrice_{i,t}}$

Where:

"$\mathbf{OptSettPrice_{i,t}}$" means the Option Settlement Price of the relevant Option i as described in Table 2; and

"$\mathbf{ODR_{t-1}}$" means the Option Discounting Rate in respect of the Option Portfolio Business Day immediately preceding the Option Portfolio Business Day "t".

If on any Option Portfolio Business Day "t", the Calculation Agent is unable to determine the Option Valuation (or the Option Settlement Price) using the above methodology, then the Calculation Agent will determine the relevant Option Valuation on a best efforts basis in a commercially reasonable manner.

b. Option Expiration Value ("$\mathbf{OptExpVal_i}$")

For each Portfolio Constituent "i" in respect of each Option Portfolio Business Day "t" that is also the expiry day for the relevant option, the Option Expiration Value is calculated as follows:

If the relevant Option Type is 'Call' then: $\mathbf{OptExpVal_i} = \mathbf{max}\left(\mathbf{0}, \mathbf{USI_{i,t}} - \mathbf{K_i}\right)$

If the relevant Option Type is 'Put' then: $\mathbf{OptExpVal_i} = \mathbf{max}\left(\mathbf{0}, \mathbf{K_i} - \mathbf{USI_{i,t}}\right)$

Where:

"$\mathbf{USI_{i,t}}$" means, the value of the Underlying Settlement Index corresponding to Portfolio Constituent "i" as of Option Portfolio Business Day "t" which is also the Expiry Date for the relevant Portfolio Constituent "i".

c. Option Spread ("$\mathbf{OptSpread_{i,t}}$")

For each Portfolio Constituent "i" in respect of each Option Portfolio Business Day "t", the Option Spread is calculated as:

$$\text{OptSpread}_{i,t} = \text{UI}_{i,t} \times \left(\max\left[\text{OptCostFloor}_i, \max\left(\text{VegaRatioMin}_i\,, \text{VegaRatioScale}_i \times \frac{\sigma_{i,t}}{\text{IV Barrier}_i}\right) \times \frac{\text{Vega}_{i,t}}{100 \times \text{UI}_{i,t}}\right]\right)$$

Where:

"$\mathbf{UI_{i,t}}$" means the Underlying Index Level corresponding to Portfolio Constituent "i" on the Option Portfolio Business Day "t";

"$\mathbf{OptionCostFloor_i}$" is detailed for each Portfolio Constituent "i" in Table 2;

"$\mathbf{VegaRatioMin_i}$" is detailed for each Portfolio Constituent "i" in Table 2;

"$\mathbf{VegaRatioScale_i}$" is detailed for each Portfolio Constituent "i" in Table 2;

"$\mathbf{IV\ Barrier_i}$" means as detailed for each Portfolio Constituent "i" in Table 2; and

"$\mathbf{Vega_{i,t}}$" means the vega for Portfolio Constituent "i" on the Option Portfolio Business Day "t", as determined in accordance with the provisions herein.

d. Option Vega ("$\mathbf{Vega_{i,t}}$")

For each Portfolio Constituent "i" in respect of each Option Portfolio Business Day "t", the Option Vega is calculated as:

$$\text{Vega}_{i,t} = \text{UI}_{i,t} \times \exp\left(-\frac{NetCumDiv_{t,ED_i}}{\text{UI}_{i,t}}\right) \times \text{N}'(\text{d1}_{i,t}) \times \sqrt{\tau^{STD}_{ED_i,t}}$$

Where:

$$\text{d1}_{i,t} = \frac{1}{\sigma_{i,t} \times \sqrt{\tau^{STD}_{ED_i,t}}} \times \left[\ln\left(\frac{\text{F}_{i,t}}{\text{K}_i}\right) + \frac{1}{2} \times \sigma^2_{i,t} \times \tau^{STD}_{ED_i,t}\right];$$

$$\text{d2}_{i,t} = \text{d1}_{i,t} - \sigma_{i,t} \times \sqrt{\tau^{STD}_{ED_i,t}};$$

$$NetCumDiv_{t,ED_i} = CumDiv_{t,ED_i} \times TaxAdjustmentMultiplier$$

$CumDiv_{t,D} = \sum_{m=1}^{D} GrossDiv_m$ where D represents Calendar Days;

The $CumDiv_{t,D}$ is calculated using the above formula for $D=ED_i$;

"$\boldsymbol{GrossDiv_m}$" means gross dividend amount corresponding to Calendar Day m. The time series of the gross dividends (realized and forecasted) for the Underlying Index is as published by Bloomberg on such Option Portfolio Business Day "t" in the field INDX_GROSS_DAILY_DIV for the Underlying Index; and

"TaxAdjustmentMultiplier" means as provided in Table 1.

e. Relevant Near and Far Listed Expiry Dates

On each Option Portfolio Business Day "t" and for each Portfolio Constituent "i", the relevant Near and Far Listed Expiry Dates are determined as:

> If the first available Listed Expiry Date falls on or after the relevant option Expiry Date then the first available Listed Expiry Date will be referred to as **"Near Expiry Date ($\mathbf{NED_{i,t}}$)"** and immediately following Listed

Expiry Date will be the **"Far Expiry Date ($FED_{i,t}$)"**.

Otherwise, two Listed Expiry Dates are selected corresponding to the two closest Listed Expiry Dates enclosing the relevant option Expiry Date, the nearer Listed Expiry Date being the **"Near Expiry Date ($NED_{i,t}$)"** and the farther Listed Expiry Date being the **"Far Expiry Date ($FED_{i,t}$)"**.

f. Relevant Target Strikes corresponding to Near and Far Expiry Dates

On each Option Portfolio Business Day "t" and for each Portfolio Constituent "i", the relevant Target Strike corresponding to Near Expiry Date "$\mathbf{K}_{i.t}^{Tgt,NED_{i,t}}$" and the relevant Target Strike corresponding to Far Expiry Date "$\mathbf{K}_{i.t}^{Tgt,FED_{i,t}}$" are determined as:

$$\mathbf{K}_{i.t}^{Tgt,NED_{i,t}} = \left(\mathbf{1} - \sqrt{STD(NED_{i,t}, t)} * \frac{(\mathbf{1} - \frac{K_i}{\mathbf{F}_{i,t}})}{\sqrt{STD(ED_i, t)}}\right) \times \mathbf{F}_t^{NED_{i,t}}$$

And

$$\mathbf{K}_{i.t}^{Tgt,FED_{i,t}} = \left(\mathbf{1} - \sqrt{STD(FED_{i,t}, t)} * \frac{(\mathbf{1} - \frac{K_i}{\mathbf{F}_{i,t}})}{\sqrt{STD(ED_i, t)}}\right) \times \mathbf{F}_t^{FED_{i,t}}$$

Where:

"$\mathbf{F}_t^{NED_{i,t}}$" means the implied forward corresponding to the '$NED_{i,t}$' as of the Option Portfolio Business Day "t"; and

"$\mathbf{F}_t^{FED_{i,t}}$" means the implied forward corresponding to the '$FED_{i,t}$' as of the Option Portfolio Business Day "t".

The Target Strikes calculated above will be rounded to 2 decimal places, 0.01 being rounded upwards.

g. Relevant Low and High Listed Strikes corresponding to Near and Far Expiry Dates

On each Option Portfolio Business Day "t" and for each Portfolio Constituent "i":

The Low Listed Strike for the Near Expiry Date: $\mathbf{K}_{i.t}^{Low,NED_{i,t}} =$
$\mathbf{Nearest}^{-}(\mathbf{K}_{i.t}^{Tgt,NED_{i,t}}, \mathbf{Listed\ Target\ Strike\ Interval}, \mathbf{Z}_{NED_{i,t},t-1})$;

The High Listed Strike for the Near Expiry Date: $\mathbf{K}_{i.t}^{High,NED_{i,t}} =$
$\mathbf{Nearest}^{+}(\mathbf{K}_{i.t}^{Tgt,NED_{i,t}}, \mathbf{Listed\ Target\ Strike\ Interval}, \mathbf{Z}_{NED_{i,t},t-1})$;

The Low Listed Strike for the Far Expiry Date: $\mathbf{K}_{i.t}^{Low,FED_{i,t}} =$
$\mathbf{Nearest}^{-}(\mathbf{K}_{i.t}^{Tgt,FED_{i,t}}, \mathbf{Listed\ Target\ Strike\ Interval}, \mathbf{Z}_{FED_{i,t},t-1})$;

The High Listed Strike for the Far Expiry Date: $\mathbf{K}_{i.t}^{High,FED_{i,t}} =$
$\mathbf{Nearest}^{+}(\mathbf{K}_{i.t}^{Tgt,FED_{i,t}}, \mathbf{Listed\ Target\ Strike\ Interval}, \mathbf{Z}_{FED_{i,t},t-1})$;

Where:

"$\mathbf{Z}_{NED_{i,t},t-1}$" means, the set of all Listed Strikes corresponding to Listed Expiry Date '$NED_{i,t}$' as of the Option Portfolio Business Day immediately preceding the Option Portfolio Business Day 't'; and

"$\mathbf{Z}_{FED_{i,t},t-1}$" means, the set of all Listed Strikes corresponding to Listed Expiry Date '$FED_{i,t}$' as of the Option Portfolio Business Day immediately preceding the Option Portfolio Business Day 't'.

h. Implied Forward corresponding to Portfolio Constituent "i"

On each Option Portfolio Business Day Day "t" and for each Portfolio Constituent "i", the relevant Implied Forward is determined as:

$$\boldsymbol{F}_{i,t} = \left(F_{NED_{i,t},t} + NetCumDiv_{t,NED_{i,t}}\right) \times \exp\left(ln\left(\frac{F_{FED_{i,t},t} + NetCumDiv_{t,FED_{i,t}}}{F_{NED_{i,t},t} + NetCumDiv_{t,NED_{i,t}}}\right) \times \frac{\mathrm{CD}\left(\mathrm{ED}_{i,t}, \mathrm{NED}_i\right)}{\mathrm{CD}\left(\mathrm{FED}_{i,t}, \mathrm{NED}_{i,t}\right)}\right) - NetCumDiv_{t,ED_i}$$

Where:

$NetCumDiv_{t,ED_i} = CumDiv_{t,ED_i} \times TaxAdjustmentMultiplier$

$NetCumDiv_{t,NED_{i,t}} = CumDiv_{t,NED_{i,t}} \times TaxAdjustmentMultiplier$

$NetCumDiv_{t,FED_{i,t}} = CumDiv_{t,FED_{i,t}} \times TaxAdjustmentMultiplier$

$$CumDiv_{t,D} = \sum_{m=1}^{D} GrossDiv_m$$

D represents Calendar Days;

The $CumDiv_{t,D}$ is calculated using the above formula for $D=NED_{i,t}$; $D=ED_i$ and $D= FED_{i,t}$;

"$\boldsymbol{GrossDiv_m}$" means gross dividend amount corresponding to Calendar Day m. The time series of the gross dividends (realized and forecasted) for the Underlying Index is as published by Bloomberg on such Option Portfolio Business Day "t" in the field INDX_GROSS_DAILY_DIV for the Underlying Index; and

"**TaxAdjustmentMultiplier**" means as provided in Table 1.

i. Implied Volatility corresponding to Portfolio Constituent "i"

On each Option Portfolio Business Day Day "t" and for each Portfolio Constituent "i", the relevant Implied Volatility is determined as:
If the Near Expiry Date is on or after the Expiry Date corresponding to Portfolio Constituent 'i', then:

$\sigma_{i,t} = \sigma_{i,t}^{Tgt,NED}$

Otherwise:

$$\sigma_{i,t} = \sqrt{\left(\left(\sigma_{i,t}^{Tgt,NED_{i,t}}\right)^2 \times \tau_{NED_{i,t},t}^{STD} + \left[\left(\sigma_{i,t}^{Tgt,FED_{i,t}}\right)^2 \times \tau_{FED_{i,t},t}^{STD} - \left(\sigma_{i,t}^{Tgt,NED_{i,t}}\right)^2 \times \tau_{NED_{i,t},t}^{STD}\right] \times \frac{\mathrm{STD}(\mathrm{ED}_i, NED_{i,t})}{\mathrm{STD}(FED_{i,t}, NED_{i,t})}\right) \times \frac{STDCC}{\mathrm{STD}(\mathrm{ED}_i, \mathrm{t})}}$$

Where:

$$\boldsymbol{\sigma}_{i,t}^{Tgt,NED_{i,t}} = \boldsymbol{\sigma}_{NED_{i,t},K_{i,t}^{Low,NED_{i,t}}} + \left[\boldsymbol{\sigma}_{NED_{i,t},K_{i,t}^{High,NED_{i,t}}} - \boldsymbol{\sigma}_{NED_{i,t},K_{i,t}^{Low,NED_{i,t}}}\right] \times \frac{K_{i,t}^{Tgt,NED_{i,t}} - K_{i,t}^{Low,NED_{i,t}}}{K_{i,t}^{High,NED_{i,t}} - K_{i,t}^{Low,NED_{i,t}}};$$

$$\boldsymbol{\sigma}_{i,t}^{Tgt,FED_{i,t}} = \boldsymbol{\sigma}_{FED_{i,t},K_{i,t}^{Low,FED_{i,t}}} + \left[\boldsymbol{\sigma}_{FED_{i,t},K_{i,t}^{High,FED_{i,t}}} - \boldsymbol{\sigma}_{FED_{i,t},K_{i,t}^{Low,FED_{i,t}}}\right] \times \frac{K_{i,t}^{Tgt,FED_{i,t}} - K_{i,t}^{Low,FED_{i,t}}}{K_{i,t}^{High,FED_{i,t}} - K_{i,t}^{Low,FED_{i,t}}};$$

"$\boldsymbol{\sigma}_{NED_{i,t},K_{i,t}^{Low,NED_{i,t}}}$" means the implied volatility level for Strike '$K_{i,t}^{Low,NED_{i,t}}$' and Expiry Date '$NED_{i,t}$' corresponding to Portfolio Constituent "i", as of Option Portfolio Business Day "t", as determined in accordance with the provisions herein;

"$\boldsymbol{\sigma}_{NED_{i,t},K_{i,t}^{High,NED_{i,t}}}$" means the implied volatility level for Strike '$K_{i,t}^{High,NED_{i,t}}$' and Expiry Date '$NED_{i,t}$' corresponding to Portfolio Constituent "i", as of Option Portfolio Business Day "t", as determined in accordance with the provisions herein;

"$\boldsymbol{\sigma}_{FED_{i,t},K_{i,t}^{Low,FED_{i,t}}}$" means the implied volatility level for the Strike '$K_{i,t}^{Low,FED_{i,t}}$' and Expiry Date '$FED_{i,t}$' corresponding to Portfolio Constituent "i", as of Option Portfolio Business Day "t", as determined in accordance with the provisions herein; and

"$\boldsymbol{\sigma}_{FED_{i,t},K_{i,t}^{High,FED_{i,t}}}$" means the implied volatility level for the Strike '$K_{i,t}^{High,FED_{i,t}}$' and Expiry Date '$FED_{i,t}$' corresponding to Portfolio Constituent "i", as of Option Portfolio Business Day "t", as determined in accordance with the provisions herein.

7. Calculation of parameters corresponding to each Listed Option

a. Nearest ATM listed strikes corresponding to each Listed Expiry Date

On each Option Portfolio Business Day "t" and for each Listed Expiry Date "j", the closest at-the-money strikes $K_{j,t}^{ATM+}$ and $K_{j,t}^{ATM-}$ are determined as:

$K_{j,t}^{ATM+}$ is the Listed Strike corresponding to Listed Expiry Date 'j' for which the difference in the Listed Option Valuation corresponding to this Listed Strike for Option Type 'Put' minus Option Type 'Call' is the least positive amount (i.e. it must be strictly positive)

and:

$K_{j,t}^{ATM-}$ is the Listed Strike corresponding to Listed Expiry Date 'j' for which the difference in the Listed Option Valuation corresponding to this Listed Strike for Option Type 'Call' minus Option Type 'Put' is the least non-negative amount (i.e. it may be exactly zero)

b. Box rate corresponding to each Listed Expiry Date

On each Option Portfolio Business Day "t" and for each Listed Expiry Date "j", the box rate $r_{j,t}^{box}$ is determined as:

$$r_{j,t}^{box} = -Ln\left\{\frac{\left(LOptVal_t^{j,C,K_{j,t}^{ATM-}} - LOptVal_t^{j,P,K_{j,t}^{ATM-}}\right) - \left(LOptVal_t^{j,C,K_{j,t}^{ATM+}} - LOptVal_t^{j,P,K_{j,t}^{ATM+}}\right)}{K_{j,t}^{ATM+} - K_{j,t}^{ATM-}}\right\} \times \frac{1}{\tau_{j,t}^{CD}}$$

Where:

"$LOptVal_t^{J,X,K}$" means Listed Option Valuation as of the current Option Portfolio Business Day "t" for an option with option expiry date 'J', Option Type 'X' (where X∈ {'C=Call','P=Put'}) and option strike 'K', as determined in accordance with the provisions herein.

c. Implied forward corresponding to each Listed Expiry Date

On each Option Portfolio Business Day "t" and for each Listed Expiry Date "j", the implied forward $F_{j,t}$ is determined as:

$$F_{j,t} = K_{j,t}^{ATM+} + \left(LOptVal_t^{j,C,K_{j,t}^{ATM+}} - LOptVal_t^{j,P,K_{j,t}^{ATM+}}\right) \times exp\left(r_{j,t}^{box} \times \tau_{j,t}^{CD}\right)$$

d. Implied volatility corresponding to each Listed Strike

On each Option Portfolio Business Day "t", for each Listed Expiry Date "j" and for each Listed Strike 'K' the implied volatility $\boldsymbol{\sigma}_{j,K,t}$ is determined by minimising the following objective function by using the NAG nag_opt_one_var_deriv (E04BBC) optimization function:

If $F_{j,t} \leq K$: $\left|BS_t^{j,C,K} - LOptVal_t^{j,C,K}\right|$

Else if $F_{j,t} > K$: $\left|BS_t^{j,P,K} - LOptVal_t^{j,P,K}\right|$

Subject to following constraints:

1. Relative/Absolute accuracy: 1e-12
2. $0.5\% \leq \boldsymbol{\sigma} \leq \mathbf{500\%}$
3. Maximum number of iterations: 150

Where:

$$BS_t^{j,C,K} = \exp\left(-r_{j,t}^{box} \times \tau_{j,t}^{CD}\right) \times \left(F_{j,t} \times N\left(d1_{j,t}\right) - K \times N\left(d2_{j,t}\right)\right);$$

$$BS_t^{j,P,K} = \exp\left(-r_{j,t}^{box} \times \tau_{j,t}^{CD}\right) \times \left(K \times N\left(-d2_{j,t}\right) - F_{j,t} \times N\left(-d1_{j,t}\right)\right);$$

$$d1_{j,t} = \frac{1}{\sigma \times \sqrt{\tau_{j,t}^{STD}}}\left[\ln\left(\frac{F_{j,t}}{K}\right) + \frac{1}{2} \times \sigma^2 \times \tau_{j,t}^{STD}\right];$$

$$d2_{j,t} = d1_{j,t} - \sigma \times \sqrt{\tau_{j,t}^{STD}};$$

Where:

"σ" means the current input implied volatility during the optimizing process.

e. Listed Option Valuation

On any Option Portfolio Business Day "t", the Listed Option Valuation ("$\boldsymbol{LOptVal_t^{J,X,K}}$") for an option with option expiry date 'J', Option Type 'X' (where X∈ {'C=Call','P=Put'}) and option strike 'K' is equal to the Option Settlement Price of the corresponding option as of that Option Portfolio Business Day "t".

If on any Option Portfolio Business Day "t", the Calculation Agent is unable to determine the Option Valuation using the above methodology, then the Calculation Agent will determine the relevant Option Valuation on a best efforts basis in a commercially reasonable manner.

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Please note that calls made to the numbers marked with an asterisk (*) may be recorded. Should you call one of these numbers, we shall assume that you consent to this business practice.