INDEX GUIDELINE

ACTIVESELECT EXCESS RETURN (CHF) INDEX

Version 1.1

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INTRODUCTION

This document (the "**GUIDELINE**") is to be used as a guideline with regard to the composition, calculation and maintenance of the ActiveSelect Excess Return (CHF) Index (the "**INDEX**"). Any amendments to the rules made to the GUIDELINE are approved by the INDEX COMMITTEE specified in Section 5.5. The INDEX is calculated, administered and published by Solactive AG ("**SOLACTIVE**") assuming the role as administrator (the "**INDEX ADMINISTRATOR**") under the Regulation (EU) 2016/1011 (the "**BENCHMARK REGULATION**" or "**BMR**") from the and including TRANSITION DATE. The name "Solactive" is trademarked.

The text uses defined terms which are formatted with "SMALL CAPS". Such Terms shall have the meaning assigned to them as specified in Section 6 (Definitions).

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

1. INDEX SPECIFICATIONS

1.1. SCOPE OF THE INDEX

The ActiveSelect Excess Return (CHF) Index is an investible index that has the objective to deliver returns that maximize gains for a given level of volatility. Nine index components are rebalanced on a monthly basis following the Rebalancing Methodology with the aim of achieving long term capital appreciation. There is however no guarantee this objective will be achieved

1.2. IDENTIFIERS AND PUBLICATION

The INDEX is published under the following identifiers:

Name	ISIN	Currency	Type	RIC	BBG ticker
ActiveSelect Excess Return (CHF) Index	DE000SL0JZX4	CHF	ER	.ACTSCE6	ACTSCE6

*ER means that the Index is calculated as Excess Return.

The INDEX is published on the website of the INDEX ADMINISTRATOR (www.solactive.com) and is, in addition, available via the price marketing services of Boerse Stuttgart GmbH and may be distributed to all of its affiliated vendors. Each vendor decides on an individual basis as to whether it will distribute or display the INDEX via its information systems.

Any publication in relation to the INDEX (e.g. notices, amendments to the GUIDELINE) will be available at the website of the INDEX ADMINISTRATOR: https://www.solactive.com/news/announcements/.

1.3. INITIAL LEVEL OF THE INDEX

The initial level of the Index on the INDEX START DATE is 1000. Historical values from the INDEX START DATE to the TRANSITION DATE have been calculated by Credit Suisse International. The closing levels of the Index from the and including the TRANSITION DATE are calculated by Solactive and will be recorded in accordance with Article 8 of the BMR. Levels of the Index published for a period prior to the TRANSITION DATE have been back-tested.

1.4. PRICES AND CALCULATION FREQUENCY

The closing level of the INDEX for each CALCULATION DAY is calculated. This closing level is based on the CLOSING PRICES for the INDEX COMPONENTS as published by their respective index provider.

1.5. LICENSING

Licenses to use the INDEX as the underlying value for financial instruments, investment funds and financial contracts may be issued to stock exchanges, banks, financial services providers and investment houses by UBS AG ("UBS").

2. INDEX COMPOSITION

2.1. INDEX COMPONENTS

Effective from and including the TRANSITION DATE, the following 9 components (the " UBS COMPONENTS") will serve as INDEX COMPONENT in the calculation of the INDEX :

i	Index Component i	Bloomberg Ticker	Currency	Asset Class	Asset Type	Return Type
1	UBS Market Beta Switzerland Equity Index	UISEMSLE	CHF	Equity	Equity Index	Excess Return
2	UBS Market Beta US Equity Index	UISEMULL	USD	Equity	Equity Index	Excess Return
3	UBS Market Beta Europe Equity Index	UISEMEER	EUR	Equity	Equity Index	Excess Return
4	UBS Market Beta Japan Broad Equity Index	UISEMJTE	JPY	Equity	Equity Index	Excess Return
5	MSCI Daily TR Net Emerging Markets USD	NDUEEGF	USD	Equity	Equity Index	Total Return
6	UBS 10Y US Treasuries Index	MLTAU10E	USD	Treasuries	Index	Excess Return
7	UBS 10Y German Bond Index	MLTAG10E	EUR	Treasuries	Index	Excess Return
8	EPRA Europe Net Return Index EUR	NEPRA	EUR	Real Estate	Equity Index	Total Return
9	UBS CMCI Components USD ER Gold Index	CTGCER	USD	Commodity	Index	Excess Return

With the following 9 components (each of them an INDEX COMPONENT, together the "INDEX COMPONENTS") only effective up to but excluding the TRANSITION DATE:

i	Index Component i	Bloomberg Ticker	Currency	Asset Class	Asset Type	Return Type
1	ActiveSelect Swiss Equity Futures Index	ACTSSMCE Index	CHF	Equity	Equity Index	Excess Return
2	ActiveSelect US Equity Futures Index	ACTSESUE Index	USD	Equity	Equity Index	Excess Return
3	ActiveSelect European Equity Futures Index	ACTSVGEE Index	EUR	Equity	Equity Index	Excess Return
4	ActiveSelect Japanese Equity Futures Index	ACTSNKJE Index	JPY	Equity	Equity Index	Excess Return
5	ActiveSelect Emerging Market Equity Futures Index	ACTSMEUE Index	USD	Equity	Equity Index	Excess Return
6	ActiveSelect 10-Year US Treasury Note Futures Index	ACTSTYUE Index	USD	Treasuries	Index	Excess Return
7	ActiveSelect Euro-Bund Futures Index	ACTSRXEE Index	EUR	Treasuries	Index	Excess Return
8	EPRA Europe Net Return Index EUR	NEPRA Index	EUR	Real Estate	Equity Index	Total Return

9	S&P GSCI Gold Official Close Index ER USD	SPGCGCP Index	USD	Commodity	Index	Excess Return

For the avoidance of doubt, on any CALCULATION DAY on and after the TRANSITION DATE, the UBS Components will be used for the purposes of calculations defined in Section 4 and 5.

2.2. INDEX COMPONENTS COSTS AND RESTRICTIONS

For each Index Component i the below table defines costs and weight restrictions.

i	Initial Weight	Minimum Weight	Maximum Weight	Holding Fee	Fee-In	Fee-Out
1	0.0000000%	0%	25%	0.25%	0.05%	0.05%
2	9.1650896%	0%	25%	0.25%	0.05%	0.05%
3	0.0000000%	0%	25%	0.25%	0.05%	0.05%
4	0.0000000%	0%	25%	0.25%	0.05%	0.05%
5	0.0000000%	0%	25%	0.35%	0.10%	0.10%
6	26.0016344%	-50%	75%	0.20%	0.025%	0.025%
7	44.3568940%	-50%	75%	0.20%	0.025%	0.025%
8	0.0000000%	0%	25%	0.35%	0.10%	0.10%
9	6.2606895%	0%	10%	0.20%	0.10%	0.10%

2.3. INVESTMENET RESTRICTIONS

The below table defines investment restrictions for the group:

Minimum Single Gross Exposure	0%
Minimum Short Exposure	-100%

Maximum Gross Exposure	100%
Minimum Net Exposure	-100%
Maximum Net Exposure	100%

The below table defines aggregate weight restrictions per Limit Type:

Limit Type	Affected Asset Class	Maximum Aggregate Gross	Minimum Aggregate Short	Minimum Aggregate Net	Maximum Aggregate Net
Equity	Equity	50%	0%	0%	50%
Risky Assets	Equity, Real Estate and Commodity	80%	0%	0%	80%

3. INDEX CALCULATION

3.1. INDEX FORMULA

The level of the INDEX is calculated according to the following formula:

On the INDEX START DATE:

$$Index_0 = 1000$$

On each CALCULATION DAY t following the INDEX START DATE:

$$Index_t = Index_{t-1} \times \left(1 + Perf_{t-1,t} - RC_t - AHF_{t-1,t} - Fee \times \frac{D_{t-1,t}}{Basis}\right)$$

Where:

$Index_0$: The level of the INDEX as of the INDEX START DATE;

$Index_t$: The level of the INDEX as of CALCULATION DAY t;

$Index_{t-1}$: The level of the INDEX as of CALCULATION DAY t-1;

$Perf_{t-1,t}$: The Index Performance from CALCULATION DAY t-1 to CALCULATION DAY t;

RC_t: The Index Rebalancing Cost as of CALCULATION DAY t;

$AHF_{t-1,t}$: The Aggregate Holding Fee from CALCULATION DAY t-1 to CALCULATION DAY t;

Fee: The Index Calculation Fee of 2.00% per annum, deducted daily;

$D_{t-1,t}$: The number of calendar days between CALCULATION DAY t (including) and CALCULATION DAY t-1 (excluding);

$Basis$: means 365;

3.2. AGGREGATE HOLDING FEE

The Aggregate Holding Fee in respect of any CALCULATION DAY t is calculated according to the following formula:

$$AHF_{t-1,t} = W_{t-1}^{VC} \times \sum_{i=1}^{n} \left(\left| EW_{i,t-1}^{P} \right| \times HF_i \times \frac{D_{t-1,t}}{365} \right)$$

$AHF_{t-1,t}$: The Aggregate Holding Fee from CALCULATION DAY t-1 to CALCULATION DAY t;

$EW_{i,t-1}^{P}$: Effective Weight Post-Rebalancing of Index Component i in the Base Index on CALCULATION DAY t-1;

W_{t-1}^{VC}: The volatility control weight as of CALCULATION DAY t-1;

HF_i: The holding fee of component i as defined in Section 2.2;

$D_{t-1,t}$: The number of calendar days between CALCULATION DAY t (including) and CALCULATION DAY t-1 (excluding);

3.3. INDEX PERFORMANCE

On each CALCULATION DAY t, the Index Performance is calculated according to the following formula:

$$Perf_{t-1,t} = W_{t-1}^{VC} \times \left(\frac{Index_t^B}{Index_{t-1}^B} - 1 \right)$$

Where:

$Perf_{t-1,t}$: The Index Performance from CALCULATION DAY t-1 to CALCULATION DAY t.

$Index_t^B$: The level of the BASE INDEX as of CALCULATION DAY t

$Index_{t-1}^B$: The level of the BASE INDEX as of CALCULATION DAY t-1

W_{t-1}^{VC}: The percentage weight of the INDEX allocated to the BASE INDEX as of CALCULATION DAY t-1.

3.4. INDEX REBALANCING COST

The index rebalancing cost is calculated according to the following formula:

On the INDEX START DATE:

$$RC_0 = 0$$

On each CALCULATION DAY t following the INDEX START DATE:

$$RC_t = \sum_{i=1}^{n} \left| EW_{i,t}^{A} \right| \times \left(FI_i \times 1_{\{W_t^{VC} \geq W_{t-1}^{VC}\}} + FO_i \times 1_{\{W_t^{VC} < W_{t-1}^{VC}\}} \right) \times \left| W_t^{VC} - W_{t-1}^{VC} \right|$$

Where:

W_t^{VC}: The volatility control weight as of CALCULATION DAY t;

W_{t-1}^{VC}: The volatility control weight as of CALCULATION DAY t-1;

$EW_{i,t}^{A}$: Effective Weight Ante-Rebalancing of Index Component i in the Base Index on CALCULATION DAY t;

FI_i: The fee-in of Index Component i as defined in Section 2.2;

FO_i: The fee-out of Index Component i as defined in Section 2.2;

$1_{\{\circ\}}$: The indicator function equal to 1 if the statement in brackets is true, 0 otherwise

3.5. VOLATILITY TARGET ALLOCATION METHOD

The volatility control weight is calculated according to the following formula:

On the INDEX START DATE:

$$W_0^{VC} = \min\left(MaxAlloc, \frac{\sigma_{VC}}{\hat{\sigma}}\right)$$

With respect to any following CALCULATION DAY t:

- If, $\left|\frac{\sigma_{VC}}{\sigma_t} - W_{t-1}^{VC}\right| \geq 5\%$, $W_t^{VC} = \min\left(MaxAlloc, \frac{\sigma_{VC}}{\sigma_t}\right)$
- Otherwise $W_t^{VC} = W_{t-1}^{VC}$

Where:

σ_t^{VC}: The target volatility of 6% ;

$\hat{\sigma}$: The initialization volatility of 6%;

σ_t: The realized volatility of the BASE INDEX over the period as of CALCULATION DAY t;

W_t^{VC}: The volatility control weight as of CALCULATION DAY t;

W_{t-1}^{VC}: The volatility control weight as of CALCULATION DAY t-1;

$MaxAlloc$: The maximum allocation to the Base Index and is equal to 135%;

3.6. VOLATILITY CALCULATION

On any CALCULATION DAY t, the Realized Volatility is calculated according to the following formula:

$$\sigma_t = \max\left(\sigma_t^{21}, \sigma_t^{84}\right)$$

And:

$$\sigma_t^N = \sqrt{\frac{252}{N} \times \sum_{k=0}^{N-1} \text{Return}_{t-k-Lag}{}^2}$$

Where:

$\text{Return}_{t-k-Lag}$;The Base Index Return on CALCULATION DAY t-k-Lag;

σ_t: The realized volatility of the BASE INDEX over the period as of CALCULATION DAY t;

Lag : Means 2;

σ_t^{21}: σ_t^j where j is equal 21;

σ_t^{84}: σ_t^j where j is equal 84;

3.7. RETURN CALCULATION

On any CALCULATION DAY t, the Base Index Return is calculated according to the following formula:

With respect to any CALCULATION DAY t falling prior to (and including) the INDEX START DATE:

$$\text{Return}_t = \frac{\hat{\sigma}}{\sqrt{252}}$$

With respect to any following CALCULATION DAY t:

$$\text{Return}_t = \log\left(\frac{Index_t^B}{Index_{t-1}^B}\right)$$

Where:

$\hat{\sigma}$: The initialization volatility of 6%;

$Index_t^B$: The level of the BASE INDEX as of CALCULATION DAY t;

$Index_{t-1}^B$: The level of the BASE INDEX as of CALCULATION DAY t-1;

Log: The natural logarithm;

4. BASE INDEX CALCULATION

4.1. BASE INDEX FORMULA

The level of the BASE INDEX as of CALCULATION DAY t is calculated according to the following formula:

On the INDEX START DATE:

$$Index_0^B = 1{,}000$$

On each CALCULATION DAY t following the INDEX START DATE:

$$Index_t^B = Index_{t_{Reb}}^B \times \left(1 + Perf_{t_{Reb},t}^B - RC_{t_{Reb}}^B\right)$$

Where:

$Index_0^B$: The level of the Base Index as of INDEX START DATE;

$Index_t^B$: The level of the BASE INDEX as of CALCULATION DAY t;

$Index^{B}_{t_{Reb}}$: The level of the BASE INDEX as of INDEX REBALANCING DAY t_{Reb};

$Perf^{B}_{t_{Reb},t}$: The Base Index Performance from INDEX REBALANCING DAY t_{Reb} to CALCULATION DAY t;

$RC^{B}_{t_{Reb}}$: The BASE INDEX rebalancing cost as of INDEX REBALANCING DAY t_{Reb}.

t_{Reb}: In respect of any CALCULATION DAY t, the Index Rebalancing Day immediately preceding such CALCULATION DAY t.

4.2. BASE INDEX PERFORMANCE

The Base Index Performance from INDEX REBALANCING DAY t_{Reb} immediately preceding CALCULATION DAY t to CALCULATION DAY t is calculated according to the following formula:

$$Perf^{B}_{t_{Reb},t} = \sum_{i=1}^{n}\left[W_{i,t_{Reb}} \times \left(\frac{AIC_{i,t}}{AIC_{i,t_{Reb}}} - 1\right)\right]$$

Where:

$Perf^{B}_{t_{Reb},t}$: The Base Index Performance from INDEX REBALANCING DAY $t_{Reb}$to CALCULATION DAY t

$W_{i,t_{Reb}}$: The Weight of Index Component i in the Base Index as of INDEX REBALANCING DAY t_{Reb};

$AIC_{i,t}$: The Adjusted Index Component Value of Index Component i as of CALCULATION DAY t.

$AIC_{i,t_{Reb}}$: The Adjusted Index Component Value of Index Component i as of INDEX REBALANCING DAY t_{Reb}.

4.3. BASE INDEX REBALANCING COST

The Base Index Rebalancing Cost is calculated according to the following formula:

On the INDEX START DATE:

$$RC^{B}_{0} = 0$$

On each CALCULATION DAY t following the INDEX START DATE:

$$RC^{B}_{t_{Reb}} = \sum_{i=1}^{n}\left(FI_i \times 1_{\left\{W_{i,t_{Reb}} \geq EW^{A}_{i,t_{Reb}}\right\}} + FO_i \times 1_{\left\{W_{i,t_{Reb}} < EW^{A}_{i,t_{Reb}}\right\}}\right)\left|W_{i,t_{Reb}} - EW^{A}_{i,t_{Reb}}\right|$$

Where:

FI_i: The fee-in of Index Component i as defined in Section 2.2;

FO_i: The fee-out of Index Component i as defined in Section 2.2;

$RC^{B}_{t_{Reb}}$: The Base Index rebalancing cost on INDEX REBALANCING DAY t_{Reb};

$W_{i,t_{Reb}}$: Percentage Weight of Index Component i in the Base Index as implemented on the Index Rebalancing Day t_{Reb};

$EW^{A}_{i,t_{Reb}}$: Effective Weight Ante-Rebalancing of Index Component i in the Base Index on the Index Rebalancing Day t_{Reb};

n: The Number of Index Components in the Index Composition;

t_{Reb}: In respect of any CALCULATION DAY t, the INDEX REBALANCING DAY immediately preceding such CALCULATION DAY t.

$1_{\{\circ\}}$: The indicator function equal to 1 if the statement in brackets is true, 0 otherwise

4.4. EFFECTIVE WEIGHTS

4.4.1. Effective Weight Ante-Rebalancing

The Effective Weight Ante-Rebalancing is calculated according to the following formula:

In respect of any Index Rebalancing Day t_{Reb}:

- $$EW^{A}_{i,t_{Reb}} = \frac{W_{i,(t-1)_{Reb}} \times \left(\frac{AIC_{i,t_{Reb}}}{AIC_{i,(t-1)_{Reb}}}\right)}{1+Perf^{B}_{(t-1)_{Reb},t_{Reb}}}$$

In respect of any other CALCULATION DAY t:

$$EW^{A}_{i,t} = \frac{W_{i,t_{Reb}} \times \left(\frac{AIC_{i,t}}{AIC_{i,t_{Reb}}}\right)}{1 + Perf^{B}_{t_{Reb},t}}$$

$EW^{A}_{i,t_{Reb}}$: Effective Weight Ante-Rebalancing of Index Component i in the Base Index on the Index Rebalancing Day t_{Reb};

$EW^{A}_{i,t}$: Effective Weight Ante-Rebalancing of Index Component i in the Base Index on the CALCULATION DAY t;

$W_{i,t_{Reb}}$: Percentage Weight of Index Component i in the Base Index as implemented on the Index Rebalancing Day t_{Reb};

$W_{i,(t-1)_{Reb}}$: Percentage Weight of Index Component i in the Base Index as implemented on the Index Rebalancing Day $(t-1)_{Reb}$;

$Perf^{B}_{t_{Reb},t}$: The Base Index Performance from INDEX REBALANCING DAY $t_{Reb}$to CALCULATION DAY t

$Perf^{B}_{(t-1)_{Reb},t_{Reb}}$: The Base Index Performance from Index Rebalancing Day $(t-1)_{Reb}$ to Index Rebalancing Day t_{Reb};

$AIC_{i,t}$: The Adjusted Index Component Value of Index Component i on CALCULATION DAY t;

$AIC_{i,t_{Reb}}$: The Adjusted Index Component Value of Index Component i on Index Rebalancing Day t_{Reb};

$AIC_{i,(t-1)_{Reb}}$: The Adjusted Index Component Value of Index Component i on Index Rebalancing Day $(t-1)_{Reb}$;

$(t-1)_{Reb}$: Index Rebalancing Day immediately preceding Index Rebalancing Day t_Reb;

4.4.2. Effective Weight Post-Rebalancing

In respect of any Index Rebalancing Day t_{Reb}:

$$EW_{i,t_{Reb}}^{P} = W_{i,t_{Reb}}$$

In respect of any other CALCULATION DAY t:

$$EW_{i,t}^{P} = EW_{i,t}^{A}$$

$EW_{i,t_{Reb}}^{P}$: : Effective Weight Ante-Rebalancing of Index Component i in the Base Index on Index Rebalancing Day t_{Reb};

$EW_{i,t}^{P}$: Effective Weight Post-Rebalancing of Index Component i in the Base Index on the CALCULATION DAY t;

$EW_{i,t}^{A}$: Effective Weight Ante-Rebalancing of Index Component i in the Base Index on the CALCULATION DAY t;

$W_{i,t_{Reb}}$: Percentage Weight of Index Component i in the Base Index as implemented on the Index Rebalancing Day t_{Reb};

4.5. ADJUSTED INDEX COMPONENT VALUE

The Adjusted Index Component Value of Index Component i, where Index Component i, is calculated according to the following formula:

On the INDEX START DATE:

$$AIC_{i,0} = 1{,}000$$

On each CALCULATION DAY t following the INDEX START DATE:

$$AIC_{i,t}{}^{*} = AIC_{i,t_{Rs}} \times \left[1 + \frac{FX_{t}^{CCY_i}}{FX_{t_{Rs}}^{CCY_i}} \times \left(\frac{IC_{i,t}}{IC_{i,t_{Rs}}} - 1 - 1_{\{ReturnType_i=TR\}} \times \left(\frac{FC_{t}^{CCY_i}}{FC_{t_{Rs}}^{CCY_i}} - 1\right)\right)\right]$$

$AIC_{i,0}$: The Adjusted Index Component Value of Index Component i on the INDEX START DATE;

$AIC_{i,t}$: The Adjusted Index Component Value of Index Component i on CALCULATION DAY t;

$AIC_{i,t_{Rs}}$: The Adjusted Index Component Value of Index Component i on Index Reset Day t_{Rs};

$FX_{t}^{CCY_i}$: : The Index Currency/CCY_i FX RATE calculated as of CALCULATION DAY t;

$FX_{t_{Rs}}^{CCY_i}$: The Index Currency/CCY_i FX RATE calculated as of INDEX RESET DAY t_{Rs},

$IC_{i,t}$: The Index Component Value of Index Component i on CALCULATION DAY t;

$IC_{i,t_{Rs}}$: The Index Component Value of Index Component i on Index Reset Day t_{Rs};

CCY_i: The currency in respect of the Index Component I;

t_{Rs}: In respect of any CALCULATION DAY t, the INDEX RESET DAY immediately preceding such CALCULATION DAY t.

$1_{\{ReturnType_i=TR\}}$: Equals 1 if Index Component i is specified as "Total Return" in section 2.1, and otherwise, 0, subject to changes in respect to the TRANSITION DATE t_{TD} ;

*For the avoidance of doubt, in respect of any CALCULATION DAY t from (and including) the TRANSITION DATE t_{TD}, the terms CCY, $\mathbb{I}_{\{ReturnType_i=TR\}}$, Index Component i are in respect of the UBS COMPONENTS as defined in 2.1 .

4.5.1. Index Component Value

The Index Component Value of Index Component i is calculated according to the following formula:

On the INDEX START DATE:

$$IC_{i,0} = 1{,}000$$

On each CALCULATION DAY t following the INDEX START DATE:

$$IC_{i,t}{}^{*} = IC_{i,t-1} \times \left(\frac{V_{i,t}}{V_{i,t-1}}\right)$$

$IC_{i,0}$: The Index Component Value of Index Component i on the INDEX START DATE;

$IC_{i,t}$: The Index Component Value of Index Component i on CALCULATION DAY t;

$IC_{i,t-1}$: The Index Component Value of Index Component i on CALCULATION DAY t-1;

$V_{i,t}$: The Closing Price of Index Component i as of CALCULATION DAY t;

$V_{i,t-1}$: The Closing Price of Index Component i as of CALCULATION DAY t-1;

*For the avoidance of doubt, in respect of any CALCULATION DAY t from (and including) the TRANSITION DATE, the terms $V_{i,t}$, $V_{i,t-1}$ are in respect of the UBS COMPONENTS as defined in 2.1 .

4.6. FUNDING COMPONENT CALCULATION

The value of the Funding Component in respect of any FUNDING CALCULATION DAY $f_{CCY}$is calculated according to the following formula:

On the relevant Funding Start Date:

$$FC_{f_{CCY}}^{CCY} = 1{,}000$$

On each following Funding CALCULATION DAY f_{CCY}:

$$FC_{f_{CCY}}^{CCY} = FC_{f_{CCY}-1}^{CCY} \times \left[1 + FR_{f_{CCY}-1}^{CCY} \times \frac{D_{f_{CCY}-1, f_{CCY}}}{360}\right]$$

Where:

$FC_{f_{CCY}}^{CCY}$: The Value of Funding Component denominated in currency CCY as of FUNDING CALCULATION DAY f_{CCY}

$FC_{f_{CCY}-1}^{CCY}$: The Value of Funding Component denominated in currency CCY as FUNDING CALCULATION DAY $f_{CCY} - 1$;

f_{CCY}: The FUNDING CALCULATION DAY in currency CCY for which a calculation or determination is made.

$f_{CCY} - 1$: The FUNDING CALCULATION DAY immediately preceding FUNDING CALCULATION DAY f_{CCY} in currency CCY for which a calculation or determination is made;

$FR^{CCY}_{f_{CCY}-1}$: The Funding Rate in respect of currency CCY (as specified in 4.5.1) on FUNDING CALCULATION DAY f_{CCY}-1;

$D_{f_{CCY}-1, f_{CCY}}$: The number of calendar days from but excluding FUNDING CALCULATION DAY f_{CCY}-1 to and including FUNDING CALCULATION DAY f_{CCY}.

4.6.1. Funding Rate

The value of the Funding Rate in respect of any FUNDING CALCULATION DAY f is determined according to the following:

On any FUNDING CALCULATION DAY:

$$FR_t^{CCY} = FundingRate_t^{CCY} + Spread^{CCY}$$

Where:

$FundingRate_t^{CCY}$ and $Spread^{CCY}$ are defined in the following table:

On any FUNDING CALCULATION DAY:

Currency (CCY)	**Funding Rate**	**Spread**
USD	The United States SOFR Secured Overnight Financing Rate (SOFRRATE Index)	0.26161%
EUR	The rate for three month deposits in EUR as displayed on Reuters Page EURIBOR3MD=.	0.00%

5. REBALANCING METHODOLOGY

5.1. INDEX REBALANCING

The index is systematically rebalanced on each Index Rebalancing Day, following the steps outlined below. For the avoidance of doubt, prior to TRANSITION DATE, index was rebalanced with a different methodology. The rebalancing methodology for the period before TRANSITION DATE is described in Annex A.

5.2. INDEX WEIGHTS DEFINITIONS

5.2.1. Neutral Weight

In respect to each Index Component, the "Neutral Weight" $W_i^{Neutral}$ is defined in the below table:

I	Index Component	Ticker	Neutral Weight
1	UBS Market Beta Switzerland Equity Index	UISEMSLE	10%
2	UBS Market Beta US Equity Index	UISEMULL	10%
3	UBS Market Beta Europe Equity Index	UISEMEER	5%
4	UBS Market Beta Japan Broad Equity Index	UISEMJTE	5%
5	MSCI Daily TR Net Emerging Markets USD	NDUEEGF	5%
6	UBS 10Y US Treasuries Index	MLTAU10E	30%
7	UBS 10Y German Bond Index	MLTAG10E	20%
8	EPRA Europe Net Return Index EUR	NEPRA	10%
9	UBS CMCI Components USD ER Gold Index	CTGCER	5%

5.2.2. Target Weight

With respect to any CALCULATION DAY t and Index Component i, Target Weight is calculated according to the following formula:

$$W_{i,t}^{Target} = \frac{1}{3} * \sum_{H\epsilon[63,126,252]} W_i^{Neutral} * \left(\frac{\mu_{i,t,H}}{Max\left(\sigma_{i,t}^{ST}, \sigma_{i,t,H}^{LT}\right)} + \frac{\sigma_{i,t,H}^{LT}}{\sigma_{i,t}^{ST}} \right)$$

Where:

$W_{i,t}^{Target}$: Target Weight of Index Component i on CALCULATION DAY t;

$W_i^{Neutral}$: Neutral Weight of Index Component I as defined in Section 5.2.1;

$\mu_{i,t,H}$: means the momentum factor and is calculated according to the following formula:

$$\mu_{i,t,H} = \frac{AIC_{i,t}}{AIC_{i,t-H}} - 1$$

$AIC_{i,t}$: means the Adjusted Index Component Level with the respect to the CALCULATION DAY t;

$AIC_{i,t-H}$: means the Adjusted Index Component Level with the respect to the CALCULATION DAY falling H CALCULATION DAY prior to CALCULATION DAY t;

$\sigma_{i,t}^{ST}$: means the Short Term Volatility in respect of the Index Component i and the CALCULATION DAY t, and is calculated according to the below formula:

$$\sigma_{i,t}^{ST} = \sqrt{\frac{252}{21} * \sum_{k=0}^{20} \left(\log \frac{AIC_{i,t-k}}{AIC_{i,t-k-1}} \right)^2}$$

$\sigma_{i,t,H}^{LT}$: means the Long Term Volatility in respect of the Index Component i and the CALCULATION DAY t, and is calculated according to the below formula:

$$\sigma_{i,t,H}^{LT} = \sqrt{\frac{252}{H} * \sum_{k=0}^{H-1} \left(\log \frac{AIC_{i,t-k}}{AIC_{i,t-k-1}} \right)^2}$$

5.3. BASE INDEX WEIGHTS

In respect to any CALCULATION DAY t following the TRANSITION DATE, the Base Index Weights are calculated following the below outlines steps. Prior to the TRANSITION DATE, the Base Index Weights are set in Annex A.

5.3.1. Step 1: Individual Weight Control

$$W_{i,tReb} = Min\left(MaxWeight_i, Max\left(MinWeight_i, W_{i,tReb-rLag}^{Target}\right)\right)$$

$W_{i,tReb-rLag}^{Target}$: Target Weight of Index Component i as of $rLag$ Calculation Days prior to Index Rebalancing Day $tReb$;

$MaxWeight_i$: means the Maximum Weight (as defined in Table 2.2) in respect of Index Component i;

$MinWeight_i$: means the Minimum Weight (as defined in Table 2.2) in respect of Index Component i;

$rLag$: means 2;

5.3.2. Step 2: Gross Exposure Control

If $GrossExposure_{tReb} > Maximum\ Gross\ Exposure$

Then,

$$W_{i,tReb} = W_{i,tReb} * \frac{Maximum\ Gross\ Exposure}{GrossExposure_{tReb}}$$

$GrossExposure_{tReb}$: means $\sum_i |W_{i,tReb}|$;

$W_{i,tReb}$: Percentage Weight of Index Component i in the Base Index as implemented in Step 1, on the Index Rebalancing Day t_{Reb};

$Maximum\ Gross\ Exposure$: Maximum Gross Exposure as defined in Section 2.3;

5.3.3. Step 3: Short Exposure Control

If $ShortExposure_{tReb} < Minimum\ Short\ Exposure$

Then for each negative $W_{i,tReb}$,

$$W_{i,tReb} = W_{i,tReb} * \left|\frac{Minimum\ Short\ Exposure}{ShortExposure_{tReb}}\right|$$

$ShortExposure_{tReb}$: means $\sum_{W_{i,tReb}<0} W_{i,tReb}$;

$W_{i,tReb}$: Percentage Weight of Index Component i in the Base Index as implemented in Step 2, on the Index Rebalancing Day t_{Reb};

$Minimum\ Short\ Exposure$: Minimum Short Exposure as defined in Section 2.3;

5.3.4. Step 4: Net Exposure Control

If $NetExposure_{tReb} > Maximum\ Net\ Exposure$

Then,

$$W_{i,tReb} = W_{i,tReb} * \frac{Maximum\ Net\ Exposure}{NetExposure_{tReb}}$$

If $NetExposure_{tReb} < Minimum\ Net\ Exposure$

Then,

$$W_{i,tReb} = W_{i,tReb} * \left|\frac{Minimum\ Net\ Exposure}{NetExposure_{tReb}}\right|$$

$NetExposure_{tReb}$: $\sum_i W_{i,tReb}$;

$W_{i,tReb}$: Percentage Weight of Index Component i in the Base Index as implemented in Step 3, on the Index Rebalancing Day t_{Reb};

$Minimum\ Net\ Exposure$: Minimum Net Exposure as defined in Section 2.3;

$Maximum\ Net\ Exposure$: Maximum Net Exposure as defined in Section 2.3;

5.3.5. Step 5: Asset Class Specific Gross Exposure Control

In respect of each Limit Types as defined in Section 5.2.3,

If $GrossExposure_{tReb}^{LimitType} > Maximum\ Gross\ Exposure^{LimitType}$

Then, for each Index Component i where its Asset Class is in the Affected Asset Classes in respect to such Limit Type:

$$W_{i,tReb} = W_{i,tReb} * \frac{Maximum\ Gross\ Exposure^{LimitType}}{GrossExposure_{tReb}^{LimitType}}$$

$GrossExposure_{tReb}^{LimitType}$: means $\sum_i |W_{i,tReb}| * 1_{\{AssetClass_i \in AAC^{LimitType}\}}$;

$1_{\{AssetClass_i \in AAC^{LimitType}\}}$: means 1 if the Asset Class in respect to the Index Component i is included in the Affected Asset Class for such Limit Type, otherwise 0;

$AAC^{LimitType}$: in respect to such Limit Type, means the Affected Asset Class as defined in Section 2.3;

$Maximum\ Gross\ Exposure^{LimitType}$: in respect to such Limit Type, means the Maximum Aggregate Gross as defined in Section 2.3;

$W_{i,tReb}$: Percentage Weight of Index Component i in the Base Index as implemented in Step 4, on the Index Rebalancing Day t_{Reb};

5.3.6. Step 6: Asset Class Specific Net Exposure Control

In respect of each Limit Types as defined in Section 2.3:

If $NetExposure_{tReb}^{LimitType} > Maximum\ Net\ Exposure^{LimitType}$

Then, for each Index Component i where its Asset Class is in the Affected Asset Classes in respect to such Limit Type:

$$W_{i,tReb} = W_{i,tReb} * \frac{Maximum\ Net\ Exposure^{LimitType}}{NetExposure_{tReb}^{LimitType}}$$

$NetExposure_{tReb}^{LimitType}$: means $\sum_i |W_{i,tReb}| * 1_{\{AssetClass_i \in AAC^{LimitType}\}}$;

$1_{\{AssetClass_i \in AAC^{LimitType}\}}$: means 1 if the Asset Class in respect to the Index Component i is included in the Affected Asset Class for such Limit Type, otherwise 0;

$AAC^{LimitType}$: in respect to such Limit Type, means the Affected Asset Class as defined in Section 2.2;

$Maximum\ Net\ Exposure^{LimitType}$: in respect to such Limit Type, means the Maximum Aggregate Gross as defined in Section 2.3;

$W_{i,tReb}$: Percentage Weight of Index Component i in the Base Index as implemented in Step 5, on the Index Rebalancing Day t_{Reb};

5.4. ACCURACY

The level of the INDEX will be rounded to 2 decimal places for publication.

5.5. RECALCULATION

SOLACTIVE makes the greatest possible efforts to accurately calculate and maintain its indices. However, errors in the determination process may occur from time to time for variety reasons (internal or external) and therefore, cannot be completely ruled out. SOLACTIVE endeavors to correct all errors that have been identified within a reasonable period of time. The understanding of "a reasonable period of time" as well as the general measures to be taken are generally depending on the underlying and is specified in the Solactive Correction Policy, which is incorporated by reference and available on the SOLACTIVE website: https://www.solactive.com/documents/correction-policy/.

5.6. MARKET DISRUPTION

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

6. MISCELLANEOUS

6.1. DISCRETION

Any discretion which may need to be exercised in relation to the determination of the INDEX (for example the determination of the INDEX UNIVERSE (if applicable), the selection of the INDEX COMPONENTS (if applicable) or any other relevant decisions in relation to the INDEX) shall be made in accordance with strict rules regarding the exercise of discretion or expert judgement.

6.2. METHODOLOGY REVIEW

The methodology of the INDEX is subject to regular review, at least annually. In case a need of a change of the methodology has been identified within such review (e.g. if the underlying market or economic reality has changed since the launch of the INDEX, i.e. if the present methodology is based on obsolete assumptions and factors and no longer reflects the reality as accurately, reliably and appropriately as before), such change will be made in accordance with the Solactive Methodology Policy, which is incorporated by reference and available on the SOLACTIVE website: https://www.solactive.com/documents/methodology-policy/.

Such change in the methodology will be announced on the SOLACTIVE website under the Section "Announcement", which is available at https://www.solactive.com/news/announcements/. The date of the last amendment of this INDEX is contained in this GUIDELINE.

6.3. CHANGES IN CALCULATION METHOD

The application by the INDEX ADMINISTRATOR of the method described in this document is final and binding. The INDEX ADMINISTRATOR shall apply the method described above for the composition and calculation of the INDEX from the TRANSITION DATE (and including). However, it cannot be excluded that the market environment, supervisory, legal and financial or tax reasons may require changes to be made to this method. The INDEX ADMINISTRATOR may also make changes to the terms and conditions of the INDEX and the method applied to calculate the INDEX that it deems to be necessary and desirable in order to prevent obvious or demonstrable error or to remedy, correct or supplement incorrect terms and conditions. The INDEX ADMINISTRATOR is not obliged to provide information on any such modifications or changes. Despite the modifications and changes, the INDEX ADMINISTRATOR will take the appropriate steps to ensure a calculation method is applied that is consistent with the method described above.

6.4. TERMINATION

SOLACTIVE makes the greatest possible efforts to ensure the resilience and continued integrity of its indices over time. Where necessary, SOLACTIVE follows a clearly defined and transparent procedure to adapt Index methodologies to changing underlying markets (see Section 5.2 "Methodology Review") in order to maintain continued reliability and comparability of the indices. Nevertheless, if no other options are available the orderly cessation of the INDEX may be indicated. This is usually the case when the underlying market or economic reality, which an index is set to measure or to

reflect, changes substantially and in a way not foreseeable at the time of inception of the index, the index rules, and particularly the selection criteria, can no longer be applied coherently or the index is no longer used as the underlying value for financial instruments, investment funds and financial contracts.

SOLACTIVE has established and maintains clear guidelines on how to identify situations in which the cessation of an index is unavoidable, how stakeholders are to be informed and consulted and the procedures to be followed for a termination or the transition to an alternative index. Details are specified in the Solactive Termination Policy, which is incorporated by reference and available on the SOLACTIVE website: https://www.solactive.com/documents/termination-policy/.

6.5. INDEX COMMITTEE

An index committee composed of staff from SOLACTIVE and its subsidiaries (the "**INDEX COMMITTEE**") is responsible for decisions regarding any amendments to the rules of the INDEX. Any such amendment, which may result in an amendment of the GUIDELINE, must be submitted to the INDEX COMMITTEE for prior approval and will be made in compliance with the Methodology Policy, which is available on the SOLACTIVE website: https://www.solactive.com/documents/methodology-policy/.

7. DEFINITIONS

"BENCHMARK REGULATION" shall have the meaning as defined in Section "Introduction".

"BMR" shall have the meaning as defined in Section "Introduction".

"CALCULATION DAY" is any day:

(i) on which commercial banks and foreign exchange markets settle payments are open for general business in London and New York City;

(ii) on which each of the Chicago Mercantile Exchange, Eurex, the New York Stock Exchange (NYSE), and the Osaka Securities Exchange are scheduled to be open for trading;

(iii) which is a WMR Business Day.

"INDEX START DATE" 31 March, 2016.

"INDEX REBALANCING DAY" any of the below:

(i) INDEX START DATE

(ii) Scheduled Rebalancing Day

(iii) Optional Rebalancing Day

"OPTIONAL REBALANCING DAY" is any Date in the table in Annex A.

"SCHEDULED REBALANCING DAY" is any Index Reset Date.

"INDEX RESET DATE " means the last CALCULATION DAY of each calendar month and the CALCULATION DAY immediately preceding TRANSITION DATE.

"CLOSE OF BUSINESS" is the calculation time of the closing level of the INDEX as outlined in Section 1.4.

"DISRUPTED DAY" in respect to any CALCULATION DAY, where INDEX DISRUPTION EVENT has occurred or existing and subsisting.

"INDEX START DATE" 31 March 2016.

"FUNDING START DATE" IN respect to EUR, the INDEX START DATE if the INDEX START DATE is a Funding CALCULATION DAY, otherwise the Funding CALCULATION DAY immediately preceding the INDEX START DATE. In respect to USD, the CALCULATION DAY immediately preceding TRANSITION DATE if such a day is a Funding CALCULATION DAY, otherwise the Funding CALCULATION DAY immediately preceding that day.

"FUNDING CALCULATION DAY" any CALCULATION DAY;

"FX RATE" : 4pm London time WM Fixing as quoted by Refinitiv.

"GUIDELINE" shall have the meaning as defined in Section "Introduction".

"INDEX" shall have the meaning as defined in Section "Introduction".

"INDEX ADMINISTRATOR" shall have the meaning as defined in Section "Introduction".

"INDEX COMPONENT" is each index components as described in 2.1.

"INDEX CURRENCY" is the currency specified in the column "Currency" in the table in Section 2.1.

"INDEX DISRUPTION EVENT" means a General Disruption Event, or any disruption with respect to an Index Component, as specified in its Index Component Rules.

"OVERSIGHT COMMITTEE" shall have the meaning as defined in Section 6.5.

"SOLACTIVE" shall have the meaning as defined in Section "Introduction".

"TRANSITION DATE" 1 November 2024.

"WMR BUSINESS DAY" any day on which fixings are published at or around 4 P.M. London time by the WM Company / Reuters Currency Services;

8. HISTORY OF INDEX CHANGES

Version	Date	Description
1.1	*25 Apr 2025*	Index Guideline Typo Correction
1.0	*05 Aug 2024*	Index Guideline creation (*initial version*)

9. ANNEX A

Prior to the TRANSITION DATE, the Index was administered by Credit Suisse International and the rebalancing methodology was actively managed by AXA Investment Managers Paris.

Date	ACTSESUE	ACTSRXEE	ACTSTYUE	SPGCGCP	NEPRA	ACTSSMCE	ACTSMEUE	ACTSNKJE	ACTSVGEE
2016-03-31	0.091650896	0.44356894	0.260016344	0.062606895					
2016-04-28	0.1073	0.2992	0.5027	0.0287					
2016-05-31	0.0535	0.6	0.1031	0.012	0.0168				
2016-06-30	0.0664	0.5836	0.1834	0.0529	0.0217	0.0015			
2016-07-29	0.0986	0.5925	0.0725	0.1	0.013	0			
2016-08-31	0.1717	0.6	0.0297	0.0999	0				
2016-09-30	0.1893	0.6	-0.0469	0.1					
2016-10-31	0.023	0.6	0.1007	0.0839			0.0908		
2016-11-30	0.2264	0.5034	-0.17	0.1			0		
2016-12-30	0.2376	0.4474	-0.191	0.1				0.0239	
2017-01-31	0.25	0.3126	-0.284	0.1			0.0087	0.0439	
2017-02-28	0.25	0.3486	-0.235	0.0812			0.0098	0.0754	
2017-03-31	0.25	0.2971	-0.243	0.1		0.0359	0	0.0739	
2017-04-28	0.25	0.353	-0.194	0.0827		0.0136		0.0714	0.0348
2017-05-31	0.25	0.333	-0.163	0.1		0	0.0359	0.0933	0.0242
2017-06-30	0.2435	0.227	-0.167	0.0359			0	0.1291	0.1261
2017-07-31	0.2295	0.1226	-0.276	0.0297			0.0329	0.1455	0.0868
2017-08-31	0.223	0.1845	-0.236	0.0794			0.0562	0.1569	0.0639
2017-09-29	0.1479	0.159	-0.241	0.1			0	0.1732	0.1789
2017-10-31	0.25	0.1796	-0.179	0.1	0.0407		0.0203	0.1703	0.0594
2017-11-30	0.0882	0.2872	-0.082	0.1	0.0306	0.0696	0.1635	0.1449	0.0338
2017-12-29	0.25	-0.015	0.2035	0.1	0.1018	0.0023	0.1673	0.0804	0
2018-01-31	0.25	-0.029	0.002	0.1	0.0988	0	0.155	0.095	
2018-02-28	0.0184	-0.0599	-0.3173	0.0895	0		0.2055	0.1259	
2018-03-29	0	0.2575	-0.3099	0.1	0.0512		0.1607	0.1207	
2018-04-27	0.0015	0.2008	-0.3907	0.089	0		0.1287	0.1893	
2018-05-31	0.1487	0.3438	-0.2894	0.0356	0.0027		0	0.1797	
2018-06-29	0.1287	0.3522	-0.2935	0	0.0828			0.1428	
2018-07-31	0.1601	0.3539	-0.2949		0.0652			0.1258	
2018-09-04	0.1516	0.3526	-0.2938		0.0765			0.1255	

2018-09-28	0.1511	0.3694	-0.3152		0			0.1643	
2018-10-31	0.1219	0.3729	-0.3107		0.1945			0	
2018-11-30	0.1362	0.3794	-0.3162		0.1682				
2018-12-28	0	0.4435	-0.3696		0.1869				
2019-01-31		0.6	0.15		0.25				
2019-02-28		0.6	0.0677		0.0823	0.25			
2019-03-29	0.0265	0.6	0.0134		0.1312	0.2289			
2019-05-08	0.1156	0.6	0.0344		0	0.25			
2019-06-03	0	0.6	0.15			0.25			
2019-06-28	0.0932	0.5194	-0.0374	0.1		0.25			
2019-07-31	0.089	0.5268	-0.0342	0.1		0.25			
2019-08-30	0	0.6	0.05	0.1		0.25			
2019-09-30		0.6	0.05	0.1		0.25			
2019-10-31	0.0043	0.2573	0.2631	0.1	0.0677	0.2122		0.0175	0.0779
2019-12-02	0.0639	0.1699	0.3323	0.1	0.0722	0.2052		0.0025	0.054
2019-12-30	0.1419	0.0751	0.2971	0.1	0.089	0.173		0.1239	0
2020-01-31	0.1264	-0.0228	0.3672	0.1	0.0576	0.2495		0.0765	
2020-03-02	0	0.0284	0.5407	0.1	0.1384	0.1924		0	
2020-03-31		-0.0971	0.6	0.1	0	0.0242			
2020-05-07	0.0196	-0.0858	0.6	0.1		0.0362			
2020-05-29	0.0648	-0.128	0.6	0.1		0.0027		0.0155	
2020-06-30	0.0296	-0.1329	0.6	0.1		0.0291		0.0338	
2020-07-31	0.0657	-0.1751	0.6	0.1		0.0301		0.0189	
2020-09-01	0.0726	-0.3562	0.4275	0.1		0		0.0437	
2020-09-30	0.0757	-0.2399	0.544	0.1				0.0404	
2020-10-30	0.049	-0.0141	0.6	0.1			0.0064	0.0136	

2020-11-30	0.0366	-0.0684	0.6	0.0813			0.0327	0.0467	
2020-12-30	0.0596	0.0239	0.6	0.0769			0.0046	0.0484	
2021-01-29	0	-0.0352	0.6	0.0192			0.0722	0.0899	
2021-02-26	0.0006	-0.1294	0.1291	0			0.0548	0.1074	
2021-03-31	0.0308	0.2737	-0.4422			0.0454	0.0379	0.1101	0.0043
2021-05-06	0.1074	0.2467	-0.4398	0.0031	0.0184	0	0.0114	0.0759	0.0409
2021-06-01	0.1002	0.0647	-0.2955	0.0705	0.0449	0.0741	0.0272	0.0363	0.001
2021-06-30	0.1144	-0.0247	-0.1824	0.0102	0.0463	0.1303	0.0038	0.0402	0
2021-07-30	0.1091	0.3655	-0.1758	0	0.1078	0.091	0	0.0213	
2021-09-01	0.0736	0.4807	-0.1149		0.0844	0.1692		0.0154	
2021-09-30	0.1525	0.1109	-0.1166	0.0006	0.0663	0.0016		0.0928	
2021-10-29	0.1683	-0.2058	-0.0269	0.0188	0.0752	0.0857		0.0465	0.0024
2021-12-01	0.2221	0.2267	-0.399	0	0.0238	0.0837		0.0397	0
2021-12-30	0.1717	0.1714	-0.2664	0.0339	0	0.2094		0	
2022-01-31	0.0458	0.1448	-0.4572	0.0118	0.0284	0.2008			0.0257
2022-02-28	0.1259	-0.3504	0.0272	0.1	0	0.0642	0.0332		0
2022-03-31	0.132	-0.3354	-0.0375	0.1	0.0161	0.0971	0	0.0278	
2022-05-06	0	-0.1378	-0.208	0.1	0	0.2367		0.0091	
2022-06-01		-0.396	0.1168	0.0733		0.1619		0.0441	
2022-06-30		-0.5	0.3016	0.0667		0.0179		0.1138	
2022-07-29		-0.1289	0.0939	0.0263		0		0.1639	
2022-08-31		-0.1283	-0.0696	0.0298				0.168	
2022-09-30	0.0215	-0.4649	0.3116	0.0333		0.0345		0.064	
2022-11-01	0	-0.2334	0.017	0.0525		0.0181		0.1227	0.023
2022-11-30		-0.1051	-0.1273	0.0611		0		0.0743	0.097
2022-12-30		-0.2936	0.1116	0.0852				0.0146	0.108

2023-01-31		-0.2724	0.1229	0.1	0.0021		0.0366	0.0271	0.0699
2023-03-02		-0.2248	-0.0178	0.0823	0		0	0.0299	0.1305
2023-03-31		-0.0746	-0.007	0.0827				0.0396	0.15
2023-04-28		-0.2319	0.1584	0.0404				0.0542	0.1402
2023-05-31	0.0017	-0.0312	-0.1689	0.0998		0.0098		0.1798	0.064
2023-06-30	0.0333	0.061	-0.1776	0.0266		0		0.2037	0.0578
2023-07-31	0.052	0.0215	-0.3023	0.0541				0.1775	0.0436
2023-08-31	0.0797	0.0606	-0.3371	0.0657	0.0053			0.1372	0.0483
2023-09-29	0.0186	0.0891	-0.3795	0.0681	0.0341			0.1587	0.0405
2023-10-31	0.0004	0.1873	-0.4389	0.1	0			0.1213	0.0299
2023-12-01	0.0672	0.037	-0.3579	0.1	0.0558			0.1442	0.0004
2023-12-29	0.0553	0.1158	-0.1342	0.0667	0.0669			0.0113	0.004
2024-02-05	0.1535	0.1324	-0.1387	0.0169	0.0226	0.0164		0.1569	0.0098
2024-02-29	0.1558	0.0921	-0.1396	0.0496	0	0		0.1792	0.0365
2024-04-02	0.1576	0.0245	-0.1642	0.0934	0.0007	0.0018		0.144	0.0647
2024-05-02	0.1415	0.0556	-0.3122	0.1	0	0	0.0067	0.0873	0.1118
2024-05-31	0.1502	-0.0974	-0.3285	0.1	0.045	0.1155	0.0164	0.057	0.0115
2024-06-28	0.2016	-0.1961	-0.2444	0.1	0.0188	0.1297	0.0037	0.0635	0
2024-07-31	0.1758	-0.1016	-0.0656	0.0667	0.0133	0.1858	0	0.0434	
2024-08-30	0.115	-0.1315	0.2001	0.0789	0.0512	0.1094		0.0073	

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