**ANNEX V**

**‘ANNEX V**

**MARKET RISK BENCHMARK INSTRUMENTS AND PORTFOLIOS**

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Section 1: Instructions

1. For the purposes of this Annex, the following shall apply:
2. ‘booking date’ means the date and time on which institutions book the transactions for the purposes of the benchmarking exercise;
3. ‘Initial Market Valuation (IMV)’ means the marked-to-market value of the instruments referred to in Section 2 of this Annex, at the IMV reference date and time;
4. ‘IMV reference date’ means the date and time with reference to which institutions shall determine the IMV of the transactions in the benchmarking portfolio;
5. ‘IMV remittance date’ means the date by which institutions shall submit the results of the IMV of the transactions in the benchmarking portfolio;
6. ‘VaR’ means the Value at Risk;
7. ‘sVaR’ means the Stressed Value at Risk;
8. ‘IRC’ means the Incremental Risk Charge;
9. ‘CTP’ means the Correlation Trading Portfolio;
10. ‘APR’ means the All Price Risk calculated in accordance with Article 377(2) of Regulation (EU) No 575/2013;
11. ‘Risk Measures’ (RM) means the value of the VaR, sVaR, and when required IRC and APR for the portfolios, as set out in Section3 of this Annex, between the RM initial and RM final reference date;
12. ‘RM initial reference date’ means the date on which institutions shall start to compute the RM values;
13. ‘RM final reference date’ means the date on which institutions shall finish to compute the RM values;
14. ‘RM remittance date’ means the date by which institutions shall submit the results of the RM of the transactions in the benchmarking portfolio;
15. ‘Present Value (PV)’ means the marked-to-market value of the portfolios, set out in Section 3 of this Annex, at the RM final reference date;
16. ‘ATM’ means ‘at the money’ in terms of the relative position of the current or future price of a derivative’s underlying asset with respect to the strike price of that derivative;
17. ‘OTM’ means ‘out of the money’ in terms of the relative position of the current or future price of a derivative’s underlying asset with respect to the strike price of that derivative;
18. ‘ITM’ means ‘in the money’ in terms of the relative position of the current or future price of a derivative’s underlying asset with respect to the strike price of that derivative;
19. ‘long’ means ‘bought’ and ‘short’ means ‘sold’;
20. ‘CDS’ means Credit Default Swaps;
21. for credit default swaps , ‘long’ means ‘bought protection’ and ‘short’ means ‘sold protection’;
22. ‘MLN’ means millions;
23. ‘OTC’ means over-the-counter;
24. ‘SBM’ means the sensitivities-based method as referred to in Part Three, Title IV, Chapter 1a, Section 2 of Regulation (EU) No 575/2013.
25. The following dates shall apply for the ‘benchmarking’exercise:
26. the booking date shall be 16 September 2021;
27. the IMV reference date shall be 23 September 2021 (at 5:30 pm CET);
28. the IMV remittance date shall be 15 October 2021;
29. the RM initial reference date shall be 17 January 2022;
30. the RM final reference date shall be 28 January 2022;
31. the RM remittance date shall be 04 March 2022.
32. Unless explicitly specified otherwise in Section 2 of this Annex, all positions shall be booked on the booking date referred to in point (b)(i) of this Section. Once positions have been booked, each portfolio shall age for the duration of the benchmarking exercise and shall be calculated under the assumption that the institution does not take any action to manage the portfolio in any way during the entire period of the benchmarking exercise. Unless explicitly stated otherwise in the specifications for a particular instrument, strike prices for option positions shall be determined relative to prices for the underlying as observed at market close on the booking date.
33. For the purposes of the initial market valuation, the valuation of each instrument shall be submitted to the institution’s competent authority by the IMV remittance date. By that date, institutions shall submit an explanatory note accompanying the results, in accordance with point (e). IMV shall be provided in accordance with the institution’s front office valuation, where possible. In case IMVs are not provided by the institution’s front office, the institution shall specify in the explanatory note who is the IMV data source provider.
34. The explanatory note that institutions are to submit together with the IMV shall include all of the following for each instrument:
35. the risk factors used to calculate the instrument’s IMV;
36. the pricing model used to calculate the instrument’s IMV and a description of this pricing model;
37. the risk factors included in the VaR model for the instrument;
38. the risk factors included in the VaR model that are also valuation inputs for the IMV of the instrument;
39. the VaR model specifics in relation to the instrument;
40. available reference data for the instrument in the institution’s own format;
41. the aspects referred to in points (h), (i), (l), (n), (o), (p), (w), (x), (z), (hh) and (ll).
42. For the purposes of point (e), sub point (v), all of the following shall be reported:
43. concise VaR model descriptions;
44. revaluation methods applied;
45. functional form applied for modelling of returns (such as absolute, relatives, other methods;
46. qualitative information on the time series used to calibrate the VaR model in relation to the instrument (such as source, methodology for normalisation, buckets applied, other information deemed relevant by the institutions to explain the results provided).
47. The explanatory note referred to in point (d) shall be updated with each resubmission of any value, reflecting the changes between submissions. The explanatory note shall contain one section which lists all submission dates and the reasons for resubmissions.
48. The risks of the positions shall be calculated without taking into account the funding costs. Where applicable, institutions shall use the overnight rate of the instrument currency as the discount rate. Collateral agreement shall be considered in place for the derivatives instruments referred to in Section 2. Where that is not possible, reasons shall be provided in the explanatory note referred to in point (d).
49. Counterparty credit risk and credit valuation adjustment (‘CVA’) risk shall not be taken into account in the valuation of the risks of the portfolios. Where that is not possible, reasons shall be provided in the explanatory note referred to in point (d). Institutions shall report cases where other typologies of Valuation Adjustments are included in the IMV and explain for each financial instrument the methodology and the impact in the explanatory note referred to in point (d).
50. The 10-day 99% VaR shall be calculated on a daily basis. sVaR and the IRC may be calculated on a weekly basis. The sVaR and IRC shall be based on end-of-day prices for each Friday in the time window of the benchmarking exercise.
51. For transactions that include long positions in CDS, institutions shall assume an immediate up-front fee is paid to enter the position as per the market standards and conventions. The maturity date for all CDS shall correspond to conventional quarterly termination dates.
52. Additional specifications needed in order to carry out pricing calculations required for CDS positions shall be consistent with commonly used market standards and conventions and shall be explained in the explanatory note referred to in point (d) of this Section.
53. The maturity date shall ensure that the transaction is closest to the term-to-maturity specified in accordance with market standards and conventions.
54. With respect to the details of instruments not referred to in Section 2, institutions shall provide the assumptions that have been used, including the day count convention and the choice for a tradable and liquid instrument, where permitted, along with the results in the explanatory note referred to in point (d) of this Section.
55. Institutions that believe that assumptions in addition to those specified in this Section are relevant to the interpretation of the results of its exercise, including close of business timing, coupon rolls, mapping against indices and others, shall submit a description of those assumptions in the explanatory note referred to in point (d) of this Section.
56. The explanatory note referred to in point (d) of this Section shall include explanations for risks not captured by the model for the instruments referred to in Section 2 of this Annex.
57. All options shall be treated as if they are traded OTC, unless explicitly specified otherwise.
58. The standard timing conventions for OTC options shall be followed. The time to maturity for an ‘n-month’ option shall be in n months. Where options expire on a non-trading day, institutions shall adjust the expiration date per business date, in accordance with market standards and conventions.
59. All OTC options shall be treated as follows:

(i) as American for single name equities and commodities;

(ii) as European for equity indices, foreign exchange and swaptions.

1. All OTC options shall be considered ‘naked’ so that the premium shall be excluded from the initial market valuation.
2. Regarding the CTPs, institutions that have permission to use the APR model for CTPs shall provide details about their most relevant assumptions, market standards and conventions regarding the CTP instruments referred to in points 80 and 81 of Section 2, including the hedge ratios they have calculated to make the CTP instruments CS01 neutral at the booking date.
3. The IMV for each instrument shall be provided in the base currency specified in Section 2 for that instrument.
4. For positions denominated in a common base currency but composed of one or more instruments denominated in a different currency, the result shall be converted into the reported base currency of the portfolio, using the appropriate foreign exchange spot rate as per standard market practice. The converted result shall be explained in the explanatory note referred to in point (d) of this Section.
5. When booking positions, institutions shall follow appropriate market conventions, unless otherwise specified in these instructions in the Instruments descriptions (Section 2 of this Annex).
6. Where an instrument, or the underlying instrument for a derivative, is subject to a corporate action that affects the benchmarking exercise, such as a call from the issuer, a default or similar actions, institutions shall exclude such instrument from the exercise together with any related CDS or option.
7. With regard to an index series, ‘on-the-run’ shall refer to the most liquid and tradable series of that index available in the market. Institutions shall explain their choice of ‘on-the-run’ series along with the related results in the accompanying explanatory note referred to in point (d) of this Section.
8. Where necessary, institutions shall apply the EU Benchmarks Regulation for the interest rate in order to substitute the reference rate (‘EURIBOR’) and (‘LIBOR’) stated in Section 2 of this Annex. Institutions shall specify the alternative rate they use instead of the reference rate (‘EURIBOR’) and (‘LIBOR’) in the explanatory note referred to in point (d) of these instructions.
9. Risk measures for the portfolios referred to in Section 3 and Section 4, together with the Present Value, shall be computed from the ‘RM initial reference date’ to the ‘RM final reference date’. ‘SBM’ shall be computed for the ‘RM final reference date’. Institutions shall submit the results of those calculations to their competent authority by RM remittance date.
10. IMV shall be reported for each instrument. Risk measures and Present Value, where applicable, shall be reported for each portfolio, both individual and aggregated. All results shall be reported with respect to the base currency.
11. Only institutions which have been granted permission to model specific risk shall report credit spread portfolios. For interest rate portfolios which include risk as part of certain instruments, individual and aggregated portfolios shall be modelled by institutions which have been granted the permission to model the general interest risk as well as institutions which have been granted the permission to model the general and the specific interest risk.
12. The results for both individual and the aggregated portfolios shall be submitted only where the results of the instruments that are part of them are also being submitted.
13. In Section 2 (Instruments) ‘Year T’ shall mean ‘2022’ and Year T + X shall mean 2022 + X, with X as specified in Section 2.
14. In Section 2 of this Annex (Instruments), institutions shall determine the day of expiry/maturity in accordance with the following instructions:
15. Where the date is specified, that specific date shall be used;
16. Where no date is specified, market convention, where available, shall be used. If for example there is a market convention that the day of expiry/maturity is the 3rd Friday of the month, then ‘June Year T’ shall mean the 3rd Friday of the month of the year T;
17. At the end of the month, where it is specified ‘End of’, it shall mean the last calendar day in the month;
18. For a fix period of time following the ‘booking date’, if the period is defined as a number of days, it is the last day of the period. If the period is defined in weeks, months or years, it is the same day of the following week, month or year with respect to the booking date, or, if the last month or year of the period is shorter, the last day of that month or year; if the ‘booking date + x period’ is a holiday day, then select the following working day;
19. In case it is not specified otherwise the following assumptions shall be used: Day count convention: Act/360, Holiday calendar: Target2.
20. In Section 2 of this Annex (Instruments), for all CDS, unless explicitly specified otherwise, the following requirements shall apply :
21. Coupon frequency: Quarterly;
22. Coupon(bps): 100;
23. Day count : ACT/360;
24. ISDA Definitions year: 2014;
25. Restructuring clause: Modified-Modified Restructuring (MMR);
26. Maturity: December Year T+4;
27. Debt type: Senior;
28. Tenor: 5 Year;
29. Effective date as booking date;
30. The used discount curve and recovery rate shall be indicated in the explanatory note referred to in point (d) of this Annex.
31. The IMV for an index future shall be reported as the market price at the IMV reference date, multiplied by the number of contracts.
32. A number of 100 contracts, for instruments 1, 3-17, as referred to in Section 2 of this Annex, shall be used uniformly for the purposes of calculating IMV.
33. For Credit Spread Instruments, instruments 52-67 and 69, as referred to in Section 2 of this Annex, standard ISDA definitions and standard restructuring clauses shall apply.
34. Institutions shall provide the information related to the time of valuation of the PV mentioning the time in the explanatory note referred to in point (d) of this Section. Where possible, valuation of the PV shall be computed at close of business day.
35. The risk measures of the portfolios shall be calculated in the same currency of the portfolio currency, not including any FX Risk, also related to the reporting currency of the institutions. The FX Risk shall be considered only when intrinsically included in the instruments.

Section 2: Instruments

Institutions shall provide IMV, in accordance with the instructions laid down in Section 1 of this Annex, for the following financial instruments:

**EQUITY**

1. Long 1000 EURO STOXX 50 index (Ticker: SX5E) Futures.

Exchange: Eurex

Expiry date: June Year T

Base currency: EUR

1. Long 10000 BAYER (Ticker: BAYN GR) shares.

Exchange: Xetra

Base currency: EUR

1. Short 1000 Futures BAYER (Ticker: BAYN GR).

Exchange: Eurex

Expiry date: June Year T

Base currency: EUR

1. Short 1000 Futures, STELLANTIS (Ticker: STLA FP).

Exchange: Euronext

Expiry date: June Year T

Base currency: EUR

1. Short 1000 Futures, ALLIANZ (Ticker: ALV GR).

Exchange: Eurex

Expiry date: June Year T

Base currency: EUR

1. Short 1000 Futures BARCLAYS (Ticker: BARC LN).

Exchange: Eurex

Expiry date: June Year T

Base currency: GBP

1. Short 1000 Futures DEUTSCHE BANK (Ticker: DBK GR).

Exchange: Eurex

Expiry date: June Year T

Base currency: EUR

1. Short 1000 Futures CRÉDIT AGRICOLE (Ticker: ACA FP).

Exchange: Euronext

Expiry date: June Year T

Base currency: EUR

1. Long 100 Call Options. Underlying BAYER (Ticker: BAYN GR), ATM (1 contract = 100 shares).

Expiry date: June Year T

Base currency: EUR

1. Short 100 Call Options. Underlying BAYER (Ticker: BAYN GR), ATM (1 contract = 100 shares).

Expiry date: December Year T

Base currency: EUR

1. Long 100 Call Options. Underlying PFIZER (Ticker PFE US) 10% OTM, (1 contract = 100 shares).

Expiry date: June Year T

Base currency: USD

1. Long 100 Put Options. Underlying PFIZER (Ticker PFE US) 10% OTM, (1 contract = 100 shares).

Expiry date: June Year T

Base currency: USD

1. Long 100 Call Options. Underlying BAYER (Ticker: BAYN GR), 10% OTM (1 contract = 100 shares).

Expiry date: December Year T

Base currency: EUR

1. Short 100 Call Options. Underlying BAYER (Ticker: BAYN GR), 10% OTM (1 contract = 100 shares).

Expiry date: June Year T

Base currency: EUR

1. Long 100 Call Options. Underlying AVIVA (Ticker: AV/LN), 10% OTM (1 contract = 100 shares).

Expiry date: December Year T

Base currency: GBP

1. Long 100 Put Options. Underlying AVIVA (Ticker: AV/LN), 10% OTM (1 contract = 100 shares).

Expiry date: December Year T

Base currency: GBP

1. Short 1000 Futures NIKKEI 225 (Ticker NKY).

Exchange: CME

Expiry date: 11 June Year T

Base currency: JPY

1. Auto-callable Equity product

Long position

Booking on ‘Booking date’

Notional amount (‘Capital’): EUR 1 000 000

Underlying: Index EURO STOXX 50 (Ticker: SX5E)

Base currency: EUR

Maturity: 5 years

Annual Pay-out and annual observation (‘Booking date + 1 year’, ‘Booking date + 2 years’, ‘Booking date + 3 years’, ‘Booking date + 4 years’, ‘Booking date + 5 years’). Pay-out occurs 10 days after reference date.

Coupon: 6%

Autocall level (‘Initial value’): End of day Booking date + 1 month

Barrier coupon payment 60% of autocall level

Protection barrier: 55% of autocall level

- Capital not guaranteed if the index is below the protection barrier (capital returned on year 5 will be pro-rata where the level is below the protection barrier: for instance, if the SX5E = 40% of its initial level then the capital returned is 40%);

- If SX5E ≥ 60% (barrier coupon) of initial value at the end of any year, then the coupon paid out is 6%;

- If SX5E ≥ 100% of initial value at the end of any year, then the product is called and the pay out is the coupon plus the capital (100%);

- If SX5E < 60% (barrier coupon) of initial value at the end of any year, then no coupon is paid;

- If SX5E < 55% (protection barrier) of initial value at the end of year 5, then the capital is only paid pro-rata. Else if SX5E>= 55% (protection barrier) of initial value at the end of year 5, then the capital is fully paid.

**IR**

1. 5-year IRS EUR – Receive fixed rate and pay floating rate

Fixed leg: receive annually

Floating rate: 3-month EURIBOR, pay quarterly

Notional: EUR 10 000 000

Roll convention and calendar: standard

Effective date as booking date (i.e. the rates to be used shall be those at the market close as of the booking date)

Maturity: September Year T+4.

Base currency: EUR

1. Two-year EUR swaption on 5-year interest rate swap.

Notional: EUR 10 000 000.

The institution is the seller of the option on the swap. The counterparty of the institution buys the right to enter a swap with the institution; if the counterparty exercises its right, the counterparty shall receive the fixed rate while the institution shall receive the floating rate.

Swaption with maturity of two years (Booking date + 2 years) on IRS defined in instrument n. 19

Maturity of the underlying swap: Booking date + 7 years

Premium paid at the booking date (Booking date). Cash settled

The strike price is based on the IRS rate defined in instrument n. 19 (i.e. the strike price is the fixed rate as IRS defined in instrument n. 19)

Base currency: EUR

1. 5-year IRS USD. Receive fixed rate and pay floating rate.

Fixed rate: receive annually

Floating rate: 3-month USD LIBOR rate, pay quarterly

Notional: USD 10 000 000

Roll convention and calendar: standard

Effective date as booking date (i.e. the rates to be used shall be those at the market close as of the booking date)

Maturity date: September Year T+4.

Base currency: USD

1. 2-year IRS GBP. Receive fixed rate and pay floating rate.

Fixed rate: receive annually

Floating rate: 3-month GBP LIBOR rate, pay quarterly

Notional: GBP 10 000 000

Roll convention and calendar: standard

Effective date as booking date (i.e. the rates to be used shall be those at the market close as of the booking date)

Maturity: Booking date + 2 years

Base currency GBP

1. Collared 10y floating rate note sold by UBS

Notional (Principal) Amount: USD 1 000 000.

Floating Rate Notes (the ‘Notes’) are senior unsecured obligations of UBS AG (‘UBS’).

- The Notes shall bear interest at a per annum rate equal to USD 3-Month LIBOR plus 1.5% per annum (the ‘Floating Interest Rate’), subject to a maximum interest rate of 7.5% per annum (the ‘Interest Rate Cap’) and a minimum interest rate of 2.5% per annum (the ‘Interest Rate Floor’).

- Any payment on the Notes, including interest and principal at maturity, shall be subject to the creditworthiness of UBS AG. Institutions are asked to use an appropriate discounting curve, motivating that in the explanatory note.

- Income: The Notes will pay interest quarterly at a rate equal to the Floating Interest Rate, provided that if on any Coupon Determination Date (i) the Floating Interest Rate is less than the Interest Rate Floor, then the applicable interest rate for the related Interest Period will be equal to the Interest Rate Floor, or (ii) the Floating Interest Rate is greater than the Interest Rate Cap, then the applicable interest rate for the related Interest Period will be equal to the Interest Rate Cap.

|  |  |  |
| --- | --- | --- |
| Interest Payment Amount |  | The amount of interest to be paid on the Notes for an Interest Period shall be equal to the product of (a) the principal amount of the Notes, (b) the Applicable Interest Rate for that Interest Period and (c) a fraction, the numerator of which is the number of days in the Interest Period (calculated on the basis of a 360-day year of twelve 30-day months) and the denominator of which is 360. |
| Trade and Settlement Date |  | ‘Booking date’ |
| Interest Payment Dates |  | Quarterly, on the Booking date + 3 months, Booking date + 6 months, Booking date + 9 months and Booking date + 1 year, commencing on Booking date + 3 months, during the term of the Notes (subject to adjustments, as described herein). |
| Maturity Date  Currency |  | Booking date + 10 years  USD |
| Daycount Basis |  | 30/360 |
| Business Day Convention |  | Following Unadjusted |
| Coupon Determination Date |  | For each Interest Period, the second London Banking day immediately preceding the relevant Interest Date.  ‘London Banking Day’ means any day on which commercial banks are open for general business (including dealings in foreign exchange and foreign currency deposits) in London and on which dealings in U.S. dollars are transacted in the London interbank market. |

1. Long GERMANY GOVT EUR 1 000 000 (ISIN DE0001030583)

Maturity: 15 April 2033

Base currency: EUR

1. Short GERMANY GOVT EUR 1 000 000 (ISIN DE0001135044))

Maturity: 4 July 2027

Base currency: EUR

1. Long ITALY GOVT EUR 1 000 000 (ISIN IT0005138828)

Maturity: 15 September 2032

Base currency: EUR

1. Long ITALY GOVT EUR 1 000 000 (ISIN IT0005210650)

Maturity: 1 December 2026

Base currency: EUR

1. Long SPAIN GOVT EUR 1 000 000 (ISIN ES00000127A2)

Maturity: 30 July 2030

Base currency: EUR

1. Short FRANCE GOVT EUR 1 000 000 (ISIN FR0012993103)

Maturity: 25 May 2031

Base currency: EUR

1. Short GERMANY GOVT EUR 1 000 000 (ISIN DE0001135176)

Maturity: 4 January 2031

Base currency: EUR

1. Long UNITED KINGDOM GOVT GBP 1 000 000 (ISIN GB0004893086)

Maturity: 7 June 2032

Base currency: GBP

1. Long PORTUGAL GOVT EUR 1 000 000 (ISIN PTOTEXOE0024)

Maturity: 15 June 2029

Base currency: EUR

1. Short UNITED STATES GOVT USD 1 000 000 (ISIN US9128283F58)

Maturity: 15 November 2027

Base currency USD

1. Long BRAZIL GOVT 1 000 000 USD (ISIN US105756BZ27))

Maturity: 13 January 2028

Base currency: USD

1. Long MEXICO GOVT 1 000 000 USD (ISIN US91087BAC46)

Maturity: 28 March 2027

Base currency USD

1. 10-year IRS EURO – Receive floating rate and pay fixed rate.

Fixed leg: pay annually.

Floating rate: 3-month EURIBOR, receive quarterly

Notional: EUR 10 000 000

Roll convention and calendar: standard

Effective date as the booking date (i.e. rates to be used are those at the market close on booking date)

Maturity: Booking date + 10 years

Base currency: EUR

1. 5-year IRS EURO – Receive floating rate and pay fixed rate.

Fixed leg: pay annually

Floating rate: 6-month EURIBOR, receive every 6 months

Notional: EUR 10 000 000

Roll convention and calendar: standard

Effective date as the booking date (i.e. rates to be used are those at the market close on booking date)

Maturity: Booking date + 5 years

Base currency: EUR

1. 5-year Mark to Market (MtM) Cross Currency EUR/USD SWAP. Receive USD and pay EUR.

EUR: 3-month EURIBOR, pay quarterly

USD: 3-month USD LIBOR rate, receive quarterly

Notional EUR 10 000 000 adjusted on a quarterly basis

Roll convention and calendar: standard

Effective date as booking date

Maturity: Booking date + 5 years

Base currency: EUR

See also Section 5 – Instrument additional specifications

**FX**

1. 6-month USD/EUR forward contract. Cash settled. Long USD – Short EUR; Notional USD 10 000 000 USD; EUR/USD ECB reference spot rate as of end of the booking date.

Base currency: EUR

1. 6-month EUR/GBP forward contract. Cash settled. Long EUR – Short GBP; Notional 10 000 000 GBP; EUR/GBP ECB reference spot rate as of end of the booking date.

Base currency: EUR

1. Long 1 000 000 USD Cash.

Cash position

Base currency: EUR

1. Long Call option. EUR 10 000 000. Equivalent amount based on EUR/USD ECB reference spot rate as of end of the booking date

Strike price: 110% of EUR/USD ECB reference rate as of end of the booking date

Expiry date: Booking date + 1 year

Base currency: EUR

1. Long Call option. EUR 10 000 000. Equivalent amount based on EUR/USD ECB reference spot rate as of end of the booking date

Strike price: 90% of EUR/USD ECB reference rate as of end of the booking date

Expiry date: Booking date + 1 year

Base currency: EUR

1. Short Call option. EUR 10 000 000. Equivalent amount based on EUR/USD ECB reference spot rate as of end of the booking date

Strike price: 100% of EUR/USD ECB reference rate as of end of the booking date

Expiry date: Booking date + 1 year

Base currency: EUR

1. Short Call option. EUR 10 000 000. Equivalent amount based on EUR/GBP ECB reference spot rate as of end of the booking date

Strike price: 110% of EUR/GBP ECB reference rate as of end of the booking date

Expiry date: Booking date + 1 year

Base currency: EUR

1. Long Put option. EUR 10 000 000. Equivalent amount based on EUR/JPY ECB reference spot rate as of end of the booking date

Strike price: 110% of EUR/JPY ECB reference rate as of end of the booking date

Expiry date: Booking date + 1 year

Base currency: EUR

1. Short Put option. EUR 10 000 000. Equivalent amount based on EUR/AUD ECB reference spot rate as of end of the booking date

Strike price: 110% of EUR/AUD ECB reference rate as of end of the booking date

Expiry date: Booking date + 1 year

Base currency: EUR

**COMMODITIES**

1. Long 3 500 000 6-month ATM London Gold Forwards contracts (1 contract = 0.001 troy ounces, notional: 3 500 troy ounces).

Cash Settlement

Base currency: USD

1. Short 3 500 000 12-month ATM London Gold Forwards contracts (1 contract = 0.001 troy ounces, notional: 3 500 troy ounces).

Cash Settlement

Base currency: USD

1. Long 30 contracts of 6-month WTI Crude Oil Call option with strike equals 12-month end-of-day forward price on the booking date (1 contract = 1 000 barrels. Total notional 30 000 barrels).

Cash Settlement

Base currency USD

1. Short 30 contracts of 6-month WTI Crude Oil Put option with strike equals 12-month end-of-day forward price on the booking date (1 contract = 1 000 barrels. Total notional 30 000 barrels).

Cash Settlement

Base currency USD

**CREDIT SPREAD**

1. Long (i.e. Buy protection) USD 1 000 000 CDS on PORTUGAL

Restructuring clause: FULL

Base currency: USD

1. Long (i.e. Buy protection) USD 1 000 000 CDS on ITALY

Restructuring clause: FULL

Base currency: USD

1. Short (i.e. Sell protection) USD 1 000 000 CDS on SPAIN

Restructuring clause: FULL

Base currency: USD

1. Long (i.e. Buy protection) USD 1 000 000 CDS on MEXICO

Restructuring clause: FULL

Base currency: USD

1. Long (i.e. Buy protection) USD 1 000 000 CDS on BRAZIL

Restructuring clause: FULL

Base currency: USD

1. Long (i.e. Buy protection) USD 1 000 000 CDS on UK

Restructuring clause: FULL

Base currency: USD

1. Short (i.e. Sell protection) EUR 1 000 000 CDS on Telefonica (Ticker TEF SM)

Base currency: EUR

1. Long (i.e. Buy protection) EUR 1 000 000 CDS on Telefonica (Ticker TEF SM)

Maturity: December Year T+2

Base currency: EUR

1. Short (i.e. Sell protection) EUR 1 000 000 CDS on Aviva (Ticker AV LN)

ISDA Definitions year 2003

Base currency: EUR

1. Long (i.e. Buy protection) EUR 1 000 000 CDS on Aviva (Ticker AV LN)

ISDA Definitions year 2003

Maturity: December Year T+2

Base currency: EUR

1. Short (i.e. Sell protection) EUR 1 000 000 CDS on Vodafone (Ticker VOD LN)

Base currency: EUR

1. Short (i.e. Sell protection) EUR 1 000 000 CDS on ENI SpA (Ticker ENI IM)

Base currency: EUR

1. Short (i.e. Sell protection) USD 1 000 000 CDS on Eli Lilly (Ticker LLY US)

Restructuring clause: No restructuring (XR14)

Base currency: USD

1. Short (i.e. Sell protection) EUR 1 000 000 CDS on Unilever (Ticker UNA NA)

Base currency: EUR

1. Long (i.e. Buy protection) EUR 1 000 000 CDS on Total SA (Ticker FP FP)

Base currency: EUR

1. Long (i.e. Buy protection) EUR 1 000 000 CDS on Volkswagen Group (Ticker VOW GR)

Base currency: EUR

1. Long position on TURKEY Govt. notes USD 1 000 000 (ISIN US900123CT57)

Maturity: 26 April 2029

Base currency: USD

1. Long (i.e. Buy protection) USD 1 000 000 CDS on TURKEY. Effective date as booking date.

Restructuring clause: FULL

Base currency: USD

1. Long position on Telefonica notes EUR 1 000 000 (ISIN XS1681521081)

Maturity: 12 January 2028

Base currency: EUR

1. Long position on Volkswagen Group notes EUR 1 000 000 (ISIN XS1944390597)

Maturity: 31 July 2026

Base currency: EUR

1. Short position Volkswagen Group notes EUR 1 000 000 (ISIN XS1944390241)

Maturity: 31 January 2024

Base currency: EUR

1. Long position on Total SA notes EUR 1 000 000 (ISIN XS1048519679)

Maturity: 25 March 2026

Base currency: EUR

1. Long AUSTRIA GOVT EUR 1 000 000 (ISIN AT0000A04967)

Maturity: 15 March 2037

Base currency: EUR

1. Long (i.e. Buy protection) USD 1 000 000 CDS on AUSTRIA

Maturity: June Year T+15

Base currency: USD

1. Long NETHERLANDS GOVT EUR 1 000 000 (ISIN NL0013552060)

Maturity: 15 January 2040

Base currency: EUR

1. Long (i.e. Buy protection) USD 1 000 000 CDS on NETHERLANDS

Maturity: June Year T+20

Base currency: USD

1. Long BELGIUM GOVT EUR 1 000 000 (ISIN BE0000348574)

Maturity: 22 June 2050

Base currency: EUR

1. Long (i.e. Buy protection) USD 1 000 000 CDS on BELGIUM

Maturity: June Year T+30

Base currency: USD

**CTP**

1. Short (i.e. Sell protection) position in spread hedged Super Senior tranche of iTraxx Europe index on-the-run series

Attachment point: 12%

Detachment point: 100%

Notional: EUR 5 000 000

Maturity: 5 years

Running spread 100 bps. The portfolio shall be constructed by hedging the index tranche with the iTraxx Europe index on-the-run series to achieve a zero CS01 as of booking date. No further re-hedging is required.

Base currency: EUR

1. Long (i.e. Buy protection) USD 1 000 000 First to Default Basket Swap on {Brazil, Mexico and Turkey}. Effective date as booking date

Restructuring clause: FULL

Maturity: September Year T+4

Base currency: USD

Section 3: Individual Portfolios

Institutions shall provide the required risk measures, along with the Present Value, of the following individual portfolios:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Portfolio** | |  | ***Combination of instruments:***  **The first figure represents the instrument (as referred to in Section 2 of this Annex).**  **The second figure represents the quantity of each instrument or number of contracts, as applicable.** | **Base Currency** | **Risk measures required** |
| **EQUITY** | |  |  |  |  |
|  | |  | 1 – 1 instrument | EUR | VaR; Stressed VaR; SBM |
|  | |  | 3 – 1 instrument  4 – 1 instrument  5 – 1 instrument | EUR | VaR; Stressed VaR; SBM |
|  | |  | 13 – 1 instrument  10 – 1 instrument | EUR | VaR; Stressed VaR; SBM |
|  |  | | 15 – 1 instrument  16 – 1 instrument | GBP | VaR; Stressed VaR; SBM |
|  |  | | 17 – 1 instrument | JPY | VaR; Stressed VaR; SBM |
|  |  | | 9 – 1 instrument  10 – 1 instrument | EUR | VaR; Stressed VaR; SBM |
|  |  | | 18 – 1 instrument | EUR | VaR; Stressed VaR; SBM |
|  |  | | 11 – 1 instrument  12 – 1 instrument | USD | VaR; Stressed VaR; SBM |
|  |  | | 2 – 1 instrument  14 – 1 instrument | EUR | VaR; Stressed VaR; SBM |
|  |  | | 6 – 1 instrument  7 – 1 instrument  8 – 1 instrument | EUR | VaR; Stressed VaR; SBM |
|  |  | | 19 – 1 instrument | EUR | VaR; Stressed VaR; SBM |
|  |  | | 20 – 1 instrument | EUR | VaR; Stressed VaR; SBM |
|  |  | | 21 – 1 instrument | USD | VaR; Stressed VaR; SBM |
|  |  | | 22 – 1 instrument | GBP | VaR; Stressed VaR; SBM |
|  |  | | 23 – 1 instrument | USD | VaR; Stressed VaR; IRC; SBM |
|  |  | | 24 – 1 instrument  25 – 1 instrument | EUR | VaR; Stressed VaR; IRC; SBM |
|  |  | | 24 – 1 instrument  25 – 1 instrument  26 – 1 instrument | EUR | VaR; Stressed VaR; IRC; SBM |
|  |  | | 24 – 1 instrument  25 – 1 instrument  26 – 1 instrument  27 – 1 instrument  28 – 1 instrument  29 – 1 instrument  30 – 1 instrument | EUR | VaR; Stressed VaR; IRC; SBM |
|  |  | | 19 – 1 instrument  36 – 1 instrument | EUR | VaR; Stressed VaR; SBM |
|  |  | | 19 – 1 instrument  37 – 1 instrument | EUR | VaR; Stressed VaR; SBM |
|  |  | | 36 – 1 instrument  37 – 1 instrument | EUR | VaR; Stressed VaR; SBM |
|  |  | | 19 – 1 instrument  20 – 1 instrument | EUR | VaR; Stressed VaR; SBM |
|  |  | | 31 – 1 instrument | GBP | VaR; Stressed VaR; IRC; SBM |
|  |  | | 33 – 1 instrument  34 – 1 instrument  35 – 1 instrument | USD | VaR; Stressed VaR; IRC; SBM |
|  |  | | 21 – 1 instrument  33 – 1 instrument | USD | VaR; Stressed VaR; SBM |
|  |  | | 26 – 1 instrument  27 – 1 instrument  28 – 1 instrument  32 – 1 instrument | EUR | VaR; Stressed VaR; IRC; SBM |
|  |  | | 38 – 1 instrument | EUR | VaR; Stressed VaR; SBM |
|  |  | | 39 – 1 instrument  40 – 1 instrument | EUR | VaR; Stressed VaR; SBM |
|  |  | | 41 – 1 instrument  42 – 1 instrument | EUR | VaR; Stressed VaR; SBM |
|  |  | | 42 – 1 instrument  43 – 1 instrument  44 – 1 instrument | EUR | VaR; Stressed VaR; SBM |
|  |  | | 45 – 1 instrument  46 – 1 instrument | EUR | VaR; Stressed VaR; SBM |
|  |  | | 47 – 1 instrument | EUR | VaR; Stressed VaR; SBM |
|  |  | | 48 – 1 instrument  49 – 1 instrument | USD | VaR; Stressed VaR; SBM |
|  |  | | 50 – 1 instrument  51 – 1 instrument | USD | VaR; Stressed VaR; SBM |
|  |  | | 48 – 1 instrument  51 – 1 instrument | USD | VaR; Stressed VaR; SBM |
|  |  | | 52 – 1 instrument  53 – 1 instrument  54 – 1 instrument | USD | VaR; Stressed VaR; IRC; SBM |
|  |  | | 55 – 1 instrument  56 – 1 instrument | USD | VaR; Stressed VaR; IRC; SBM |
|  |  | | 58 – 1 instrument  59 – 1 instrument | EUR | VaR; Stressed VaR; IRC; SBM |
|  |  | | 54 – 1 instrument  55 – 1 instrument | USD | VaR; Stressed VaR; IRC; SBM |
|  |  | | 60 – 1 instrument  61 – 1 instrument | EUR | VaR; Stressed VaR; IRC; SBM |
|  |  | | 62 – 1 instrument  63 – 1 instrument  65 – 1 instrument  66 – 1 instrument  67 – 1 instrument | EUR | VaR; Stressed VaR; IRC; SBM |
|  |  | | 68 – 1 instrument  69 – 1 instrument | USD | VaR; Stressed VaR; IRC; SBM |
|  |  | | 70 – 1 instrument  71 – 1 instrument  73 – 1 instrument | EUR | VaR; Stressed VaR; IRC; SBM |
|  |  | | 71 – 1 instrument  72 – 1 instrument | EUR | VaR; Stressed VaR; IRC; SBM |
|  |  | | 70 – 1 instrument  59 – 1 instrument | EUR | VaR; Stressed VaR; IRC; SBM |
|  |  | | 66 – 1 instrument  73 – 1 instrument | EUR | VaR; Stressed VaR; IRC; SBM |
|  |  | | 64 – 1 instrument | USD | VaR; Stressed VaR; IRC; SBM |
|  |  | | 71 – 1 instrument  72 – 1 instrument  67 – 1 instrument | EUR | VaR; Stressed VaR; IRC; SBM |
|  |  | | 57 – 1 instrument  54 – 1 instrument | USD | VaR; Stressed VaR; IRC; SBM |
|  |  | | 53 – 1 instrument  27 – 1 instrument | EUR | VaR; Stressed VaR; IRC; SBM |
|  |  | | 55 – 1 instrument  35 – 1 instrument | USD | VaR; Stressed VaR; IRC; SBM |
|  |  | | 56 – 1 instrument  34 – 1 instrument | USD | VaR; Stressed VaR; IRC; SBM |
|  |  | | 55 – 1 instrument  35 – 1 instrument  56 – 1 instrument  34 – 1 instrument | USD | VaR; Stressed VaR; IRC; SBM |
|  |  | | 80 – 1 instrument | EUR | VaR; Stressed VaR; APR; SBM |
|  |  | | 81 – 1 instrument | USD | VaR; Stressed VaR; APR; SBM |
|  |  | | 81 – 1 instrument  68 – 1 instrument  34 – 1 instrument  35 – 1 instrument | USD | VaR; Stressed VaR; APR; SBM |
|  |  | | 74 – 1 instrument  76 – 1 instrument  78 – 1 instrument | EUR | VaR; Stressed VaR; IRC; SBM |
|  |  | | 75 – 1 instrument  77 – 1 instrument  79 – 1 instrument | USD | VaR; Stressed VaR; IRC; SBM |
|  |  | | 74 – 1 instrument  75 – 1 instrument  76 – 1 instrument  77 – 1 instrument  78 – 1 instrument  79 – 1 instrument | EUR | VaR; Stressed VaR; IRC; SBM |

Section 4: Aggregated Portfolios

Institutions shall provide the required risk measures, along with the Present Value, of the following financial aggregated portfolios:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Aggreg. Portfolio** | **Description** | ***Combination of Individual Portfolios* (individual portfolios as stated by their numbers as referred to in Section 3 of this Annex)** | **Base Currency** | **Risk Measures requested** |
|  | ALL-IN no-CTP | 1, 2, 6, 7, 9, 11, 12, 18, 21, 27, 28, 29, 31, 32, 33, 34, 38, 41, 43, 59 | EUR | VaR; Stressed VaR; IRC; SBM |
|  | EQUITY Cumulative | 1, 2, 6, 7, 9 | EUR | VaR; Stressed VaR; SBM |
|  | IR Cumulative | 11, 12, 18, 21 | EUR | VaR; Stressed VaR; SBM |
|  | FX Cumulative | 28, 29, 31, 32 | EUR | VaR; Stressed VaR; SBM |
|  | Commodity Cumulative | 33, 34 | USD | VaR; Stressed VaR; SBM |
|  | Credit Spread cumulative | 38, 41, 43, 59 | EUR | VaR; Stressed VaR; IRC; SBM |
|  | CTP cumulative EUR | 54, 56 | EUR | VaR; Stressed VaR; APR; SBM |

Section 5: Additional specifications for instruments

Institutions shall apply the following additional specifications to the financial instruments described in Section 2 of this Annex:

|  |  |
| --- | --- |
| 1. Instrument: | 1. 38 |
| 1. Description: | 1. 5-year Mark to Market (MtM) Cross Currency EUR/USD SWAP 2. Receive USD and pay EUR 3. Notional: EUR 10 000 000, USD (EUR 10 000 000 \* FX USD/EUR) |
| 1. Pay: | 1. Float leg 2 |
| 1. Rec: | 1. Float leg 1 |
| 1. Notional Exchange and Reset: | 1. On effective date and maturity date. Further, on every coupon payment date, an additional payment corresponding to adjustment of the USD notional on Float leg 2 is made. The USD notional is adjusted to equal 10 000 000 EUR, at spot rate 2 business days in advance of each payment date. |
| 1. Cash balance | 1. Included |
| 1. *Float Leg 1* |  |
| 1. Notional: | 1. 10 000 000 EUR converted to USD at spot on effective date |
| 1. Effective Date: | 1. Booking date |
| 1. Maturity Date: | 1. Booking date + 5 years |
| 1. Payment Date Generation: | 1. Forward from Effective Date |
| 1. Coupon Payment Frequency: | 1. Quarterly |
| 1. Coupon Rate: | 1. 3 000 000 USD LIBOR + 0bps. |
| 1. Coupon Rate Reset Freq: | 1. Quarterly |
| 1. Coupon Rate Fixing Convention: | 1. 2 days in advance of each coupon period |
| 1. Coupon Rate Compounding Frequency: | 1. Simple Interest |
| 1. Day Count: | 1. ACT/360 |
| 1. Payment Business Day: | 1. LON, NYC, TARGET |
| 1. Payment Business Day Convention: | 1. Modified Following |
| 1. Notional Reset Business Day: | 1. LON, NYC, TARGET |
| 1. Notional Reset Business Day Convention: | 1. Previous |
| 1. Coupon Rate Reset Business Day: | 1. LON, NYC, TARGET |
| 1. Coupon Rate Reset Business Day Convention: | 1. Previous |
|  |  |
| 1. *Float Leg 2* |  |
| 1. Notional: | 1. 10 000 000 EUR |
| 1. Effective Date: | 1. Booking date |
| 1. Maturity Date: | 1. Booking date + 5 years |
| 1. Payment Date Generation: | 1. Forward from Effective Date |
| 1. Coupon Payment Frequency: | 1. Quarterly |
| 1. Coupon Rate: | 1. 3 000 000 EURIBOR + 0 bps. |
| 1. Coupon Rate Reset Frequency: | 1. Quarterly |
| 1. Coupon Rate Fixing Convention: | 1. 2 days in advance of each coupon period |
| 1. Coupon Rate Compounding Frequency: | 1. Simple Interest |
| 1. Day Count: | 1. ACT/360 |
| 1. Payment Business Day: | 1. LON, NYC, TARGET |
| 1. Payment Business Day | 1. Modified Following |
| 1. Notional Reset Business Day: | 1. LON, NYC, TARGET |
| 1. Notional Reset Business Day Convention: | 1. Previous |
| 1. Coupon Rate Reset Business Day: | 1. LON, NYC, TARGET |
| 1. Coupon Rate Reset Business Day Convention: | 1. Previous’ |