FR Y-14Q: AFS and HTM Securities Schedule
Institution Name:
RSSD ID:
Date of Data Submission:

|  |  |  |  |  | Security Descript |  |  | Exposure | to Debt/Equity | ecurity (USD Ea | uvalent) |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Identifier Type (CUSIP/ISIN/Other) | Identifier Value (CUSIP/ISIN) | Private Placement ( $\mathrm{Y} / \mathrm{N}$ ) | Security Description 1 | Security Description 2 | $\begin{gathered} \text { Security } \\ \text { Description } 3 \end{gathered}$ | $\begin{gathered} \text { Amortized Cost } \\ \text { (USD } \\ \text { Equivalent) } \end{gathered}$ | Market Value (USD Equivalent) | Current Face Value (USD Equivalent) | Original Face <br> Value <br> (USD <br> Equivalent) | OTTI Taken |  | Price | Pricing <br> Date (e.g., MM/DD/YYYY) | Book Yield* | Purchase Date** | Currency |
|  |  | CQSCP082 | CQSCP083 | Cascs370 | CaSCP084 | CQSCP085 | CQSCP086 | CQSCP087 | CaSCP088 | CQSCP089 | CQSCP090 | CQSCP091 | COSCP092 | CaSCHK21 | COSCP093 | CQSCP094 | CQSCP095 | CaSCS371 |
| 1 | Example |  |  |  | Agency MBS |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | Example |  |  |  | Auction Rate Securities |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | Example |  |  |  | CDO |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | Example |  |  |  | clo |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | Example |  |  |  | CMBS |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | Example |  |  |  | Common Stock (Equity) | Issuer Name |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | Example |  |  |  | Auto ABS |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | Example |  |  |  | Credit Card ABS |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | Example |  |  |  | Student Loan ABS |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 | Example |  |  |  | Other ABS (excl HEL ABS) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 | 1 Example |  |  |  | Corporate Bond | Issuer Name | Sector |  |  |  |  |  |  |  |  |  |  |  |
| 12 | Example |  |  |  | Domestic Non-Agency RMBS (incl HEL ABS) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 | Example |  |  |  | Foreign RMBS | Country |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 | Example |  |  |  | Municipal Bond | Sector |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 | Example |  |  |  | Mutual Fund | Money Market Mutual Fund or Non-Money Market Mutual Fund | Name of Fund |  |  |  |  |  |  |  |  |  |  |  |
| 16 | Example |  |  |  | Preferred Stock (Equity) | Issuer Name |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 | Example |  |  |  | Sovereign Bond | Country ISO Code |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 | Example |  |  |  | US Treasuries \& Agencies |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19 | Example |  |  |  | Covered Bond |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Example |  |  |  | Oth |  |  |  |  |  |  |  |  |  |  |  |  |  |

* Book yield is the effective interest rate that would be used to determine credit losses on debt instruments for other-than-temporary impairment (OTTI) purposes. Please refer to ASC 320 (FAS 115 ) for any additional information.
** Purchase Date is the date on which the security was purchased or acquired.

FR Y-14Q Schedule B. 2 Securites 2: Investment Securities with Designated Accounting Hedges

|  |  | Security Holding |  |  |  |  | Hedging Instrument Information |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{gathered} \text { Identifier } \\ \text { Type } \\ \text { (CUSIP/ISIN/ } \\ \text { Other) } \\ \hline \end{gathered}$ | Identifier Value (CUSIP/ISIN) | Exposure to Debt/Equity Security (USD Equivalent) |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | Amortized Cost <br> (USD <br> Equivalent) | Market <br> Value <br> (USD <br> Equivalent) | Accounting Intent (AFS, HTM) | Type of Hedge(s) | Hedged Risk | Hedge Interest Rate | Hedge Percentage | Hedge <br> Horizon | $\begin{array}{\|c\|} \text { Hedged Cash } \\ \text { Flow } \end{array}$ | Sidedness | Hedging Instrument at Fair Value | Effective <br> Portion of <br> Cumulative <br> Gains and <br> Losses | Ineffective <br> Portion of <br> Cumulative <br> Gains and <br> Losses |
|  |  | CQSHP082 | CQSHP083 | CQSHP087 | CQSHP088 | CQSHP092 | CQSHS372 | CQSHS373 | CQSHS374 | CQSHS375 | CQSHS376 | CQSHS377 | CQSHS378 | CQSHS379 | CQSHS380 | CQSHS381 |
| 1 | Example |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | Example |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | Example |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | Example |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | Example |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | Example |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | Example |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | Example |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | Example |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 | Example |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Example |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Institution Name:
$\square$RSSD ID:
$\square$Date of Data Submission:
$\square$As of Date:
$\square$

FR Y-14Q Schedule C.1—Regulatory Capital Instruments as of Quarter End

| A | B | C | D | E | F | G | H |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | CUSIP or unique identifier provided by BHC/IHC | Instrument type | Revised regulatory capital rule (July 2013) treatment | Cumulative / noncumulative | Notional amount (\$Millions) | Amount recognized in regulatory capital (\$Millions) | Comments |
| MDRMs | CQCNP083 | CQCNQ744 | CQCNQ746 | CQCNQ747 | CQCNQ748 | CQCNQ749 | CQCNQ750 |
| 1 |  |  |  |  |  |  |  |
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FR Y-14Q Schedule C.2—Regulatory Capital Instrument Repurchases/Redemptions During Quarter

| A | B | C | D | E | F | G | H | I | J | K |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | CUSIP or unique identifier provided by BHC/IHC | Instrument type | Revised regulatory capital rule (July 2013) treatment | Redemption action | Date on which action was executed (mm/dd/yyyy) | Notional amount transacted (\$Millions) | Regulatory capital amount transacted (\$Millions) | Notional amount remaining at quarter end (\$Millions) | Amount recognized in regulatory capital remaining at quarter end (\$Millions) | Comments |
| MDRMs | CQCRP083 | CQCRQ744 | CQCRQ746 | CQCRQ754 | CQCRQ755 | CQCRQ756 | CQCRQ757 | CQCRQ758 | CQCRQ759 | CQCRQ750 |
| 1 |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |
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| 7 |  |  |  |  |  |  |  |  |  |  |
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| 9 |  |  |  |  |  |  |  |  |  |  |
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FR Y -14Q Schedule C. 3 - Regulatory Capital Instruments Issuances During Quarter

| A | B | c | D | E | F | G | H | 1 | J | K | L | M | N |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | CUSIP or unique identifier provided by $\mathrm{BHC} / \mathrm{HC}$ | Instrument type | Is issuance result of conversion? | If conversion, indicate CUSIP of original instrument | Date of issuance ( $\mathrm{mm} / \mathrm{dd} / \mathrm{yyyy})^{*}$ | $\qquad$ | Cumulative / noncumulative | $\qquad$ | Regulatory capital amount transacted (\$Millions) | Perpetual / dated | If dated, date of maturity (mm/dd/yyyy)* | Issuer call | If callable, optional call date (mm/dd/yyyy)* |
| MDRMs | CQCIP083 | CQCIO744 | CQCIO762 | CQCIO763 | CQCIN477 | CQCIO746 | CQC10747 | CQCIQ756 | CQCIQ757 | CQCIO769 | CQC19914 | CQCIO770 | CQCIO771 |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| A | 0 | P | Q | R | S | T | U | V | W | x | Y | z | AA |
|  | Fixed / floating | Coupon / dividend rate (bps) at issuance | Index at Issuance | Spread over index (bps) at issuance | Date at which coupon terms change | Coupon/dividend rate (bps) when terms change | Index when terms change | Spread over index (bps) when terms change | Existence of step up or other incentive to redeem | Convertible / nonconvertible | If convertible, mandatory or optional conversion? | If convertible, specify instrument type into which it will convert | Comments |
| MDRMs | CQCIN189 | CQCIQ772 | CQCIO773 | CQCIQ774 | CQCIR625 | CQCIR626 | CQCIR627 | CQCIR628 | CQCIQ775 | CQCIQ776 | CQCIQ777 | CQCIO778 | CQCIQ750 |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| A | BB | cc | DD | EE | FF | GG | HH | 11 | J | KK | LL | MM | NN | 00 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Carrying Value (\$Millions), as-of | Unamortized discounts, premiums, and fees as of quarter end (\$Millions) | Fair value of associated swaps (\$Millions) | Interest Rate Swap Issue Date (mm/dd/yyyy) | Interest Rate Swap maturity date (mm/dd/yyyy) | Notional Amount of Associated Interest Rate Swap (\$Millions) | Interest Rate Swap Fixed Payment Rate (bps) | Interest Rate Swap Payment Index | Interest Rate Swap Payment Spread (bps) | Currency denomination of instrument | Currency of Foreign Exchange Swap Payment | Notional Amount of <br> Foreign Exchange Swap (\$Millions) | Exchange Rate of Foreign Exchange Swap (II/HH) | Y9С BHCK 4062 Reconciliation |
| MDRMs | CQCIR629 | CQCIR630 | CQCIR631 | CQCIR632 | CQCIR633 | CQCIR634 | CQCIR635 | CQCIR636 | CQCIR637 | CQCIR638 | CQCIR639 | CQCIR640 | CQCIR641 | CQCIR642 |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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## FR Y-14Q Schedule D - Regulatory Capital Transitions

| Institution Name: |  |
| :--- | ---: |
| RSSD ID: |  |
| Submission Date (MM/DD/YY): |  |
| As of Date (MM/DD/YY): |  |

## Instructions

1. The FR Y-14Q Regulatory Capital Transitions schedule is intended to be used for the monitoring of historical progress against the forecasts provided in the FR Y-14A version of the schedule. Please complete the FR Y-14Q schedule with actual data as of the most recent quarter end subsequent to the close of each quarter, on a fully phased-in basis. Do not use this schedule to update projections for future quarters.
2. Complete non-shaded cells only, using data as of the balance sheet date under baseline assumptions, consistent with the annual CCAR exercise.
3. For the purpose of completing this schedule, BHCs and IHCs should refer to the "FR Y-14Q Regulatory Capital Transitions Instructions."
4. In each worksheet there is a "Comments" column. Please provide explanation in this column for any significant deviations from the projections that were provided as part of the most recent CCAR submission, as well as from previous quarter if applicable. Also, please provide any other comments if necessary.
5. On the Planned Actions worksheet, please complete the fields for "Description," "Action Type," "Exposure Type" and "RWA Type" (columns B through E) with information on the planned actions your BHC included in its most recently submitted FR Y-14A Regulatory Capital Transitions schedule. In columns F through K, for each planned action please input the actual dollar amount impact on tier 1 common, tier 1 capital, risk-weighted assets, average total assets, leverage exposures, and the firm's balance sheet based on progress made on the action in the past quarter. In a separate attachment, please provide additional information to describe the progress made on each planned action during the reporting quarter.

## FR Y-14Q Schedule D. 1 - Capital Composition

FR Y-14Q - Regulatory Capital Transitions Schedule:

## Actual in \$Millions

1 AOCI opt-out election? (enter " 1 " for Yes; enter " 0 " for No) $\square$

## Common equity tier 1 capital

2 Common stock and related surplus (net of treasury stock and unearned employee stock ownership plan [ESOP] shares)
3 Retained earnings
4 Accumulated other comprehensive income (AOCI)
5 Common equity tier 1 minority interest includable in common equity tier 1 capital
6 Common equity tier 1 before adjustments and deductions (sum of items 2 through 5)


## Common equity tier 1 capital: adjustments and deductions

7 Goodwill, net of associated deferred tax liabilities (DTLs)
8 Intangible assets (other than goodwill and mortgage servicing assets (MSAs)), net of associated DTLs
9 Deferred tax assets (DTAs) that arise from net operating loss and tax credit carryforwards, net of any related valuation allowances and net of DTLs


## If Item $\mathbf{1}$ is " 1 " for "Yes", complete items 10 through 14 only for AOCI related adjustments.

10 AOCl related adjustments: Net unrealized gains (losses) on available-for-sale securities (if a gain, report as a positive value; if a loss, report as a negative value)
11 AOCI related adjustments: Net unrealized loss on available-for-sale preferred stock classified as an equity security under GAAP and available-for-sale equity exposures (report loss as a positive value)
12 AOCI related adjustments: Accumulated net gains (losses) on cash flow hedges (if a gain, report as a positive value; if a loss, report as a negative value)

13 AOCl related adjustments: Amounts recorded in AOCI attributed to defined benefit postretirement plans resulting from the initial and subsequent application of the relevant GAAP standards that pertain to such plans (if a gain, report as a positive value; if a loss, report as a negative value)

14 AOCI related adjustments: Net unrealized gains (losses) on held-to-maturity securities that are included in AOCI (if a gain, report as a positive value; if a loss, report as a negative value)

## If Item $\mathbf{1}$ is " 0 " for " $N o$ ", complete item $\mathbf{1 5}$ only for AOCI related adjustments.

15 AOCI related adjustments: Accumulated net gain (loss) on cash flow hedges included in AOCI, net of applicable tax effects, that relate to the hedging of items that are not recognized at fair value on the balance sheet (if a gain, report as a positive value; if a loss, report as a negative value)

16 Other deductions from (additions to) common equity tier capital 1 before threshold-based deductions: Unrealized net gain (loss) related to changes in the fair value of liabilities that are due to changes in own credit risk (if a gain, report as a positive value; if a loss, report as a negative value)

17 Other deductions from (additions to) common equity tier capital 1 before threshold-based deductions: All other deductions from (additions to) common equity tier 1 capital before threshold-based deductions
18 Non-significant investments in the capital of unconsolidated financial institutions in the form of common stock that exceed the 10 percent threshold for nonsignificant investments
19 Subtotal (item 6 minus items 7 through 18)

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## FR Y-14Q Schedule D. 1 - Capital Composition

FR Y-14Q - Regulatory Capital Transitions Schedule:


| "Exceptions Bucket" Calculator | Actual in \$Millions as of date | Comments |
| :---: | :---: | :---: |
| Significant investments in the capital of unconsolidated financial institutions in the form of common stock |  |  |
| 1 Gross significant investments in the capital of unconsolidated financial institutions in the form of common stock |  |  |
| 2 Permitted offsetting short positions in relation to the specific gross holdings included above |  |  |
| 3 Significant investments in the capital of unconsolidated financial institutions in the form of common stock net of short positions | - |  |
| 410 percent common equity tier 1 deduction threshold (10 percent of item 19 in the Capital Composition tab) | - |  |
| 5 Amount to be deducted from common equity tier 1 due to 10 percent deduction threshold (greater of item 3 minus 10 percent of | - |  |
| Mortgage servicing assets |  |  |
| 6 Total mortgage servicing assets classified as intangible |  |  |
| 7 Associated deferred tax liabilities which would be extinguished if the intangible becomes impaired or derecognized under the |  |  |
| 8 Mortgage servicing assets net of related deferred tax liabilities (item 6 minus item 7) | - |  |
| 910 percent common equity tier 1 deduction threshold (10 percent of item 19 in the Capital Composition tab) | - |  |
| 10 Amount to be deducted from common equity tier 1 due to 10 percent deduction threshold (greater of item 8 minus 10 percent of | - |  |
| Deferred tax assets due to temporary differences |  |  |
| 11 DTAs arising from temporary differences that could not be realized through net operating loss carrybacks, net of related valuation |  |  |
| 1210 percent common equity tier 1 deduction threshold (10 percent of item 19 in the Capital Composition tab) | - |  |
| 13 Amount to be deducted from common equity tier 1 due to 10 percent deduction threshold (greater of item 11 minus 10 percent of | - |  |
| Aggregate of items subject To the 15\% limit (significant investments, mortgage servicing assets and deferred tax assets arising from temp | ary differenc |  |
| 14 Sum of items 3, 8, and 11 | - |  |
| 1515 percent common equity tier 1 deduction threshold (item 19 in the Capital Composition tab minus item 14, multiplied by 17.65 | - |  |
| 16 Sum of items 5, 10, and 13 | - |  |
| 17 Item 14 minus item 16 | - |  |
| 18 Amount to be deducted from common equity tier 1 due to 15 percent deduction threshold (greater of item 17 minus item 15 or | - |  |


|  | Risk-weighted Assets-Advanced ${ }^{1,2}$ | Actual in \$Millions as of date | Comments |
| :---: | :---: | :---: | :---: |
| Advanced Approaches Credit Risk (Including CCR and non-trading credit risk), with 1.06 scaling factor where applicable |  |  |  |
| 1 | Credit RWA | - |  |
| 2 | Wholesale Exposures | - |  |
| 3 | Corporate |  |  |
| 4 | Bank |  |  |
| 5 | Sovereign |  |  |
| 6 | IPRE |  |  |
| 7 | HVCRE |  |  |
| 8 | Counterparty Credit Risk | - |  |
| 9 | Eligible margin loans, repostyle transactions and OTC derivatives with crossproduct netting-EAD adjustment method |  |  |
| 10 | Eligible margin loans, repostyle transactions and OTC derivatives with crossproduct netting-collateral reflected in LGD |  |  |
| 11 | Eligible margin loans, repostyle transactions-no cross-product netting-EAD adjustment method |  |  |
| 12 | Eligible margin loans, repostyle transactions-no cross-product netting-collateral reflected in LGD |  |  |
| 13 | OTC derivatives-no cross-product netting-EAD adjustment method |  |  |
| 14 | OTC derivatives-no crossproduct netting-collateral reflected in LGD |  |  |
| 15 | Retail Exposures | - |  |
| 16 | Residential mortgage- closed-end first lien exposures |  |  |
| 17 | Residential mortgage - closed-end junior lien exposures |  |  |
| 18 | Residential mortgage-revolving exposures |  |  |
| 19 | Qualifying revolving exposures |  |  |
| 20 | Other retail exposures |  |  |
| 21 | Securitization Exposures | - |  |
| 22 | Subject to supervisory formula approach (SFA) |  |  |
| 23 | Subject to simplified supervisory formula approach (SSFA) |  |  |
| 24 | Subject to $1,250 \%$ risk-weight |  |  |
| 25 | Cleared Transactions | - |  |
| 26 | Derivative contracts and netting sets to derivatives |  |  |
| 27 | Repo-style transactions |  |  |
| 28 | Default fund contributions |  |  |
| 29 | Equity Exposures |  |  |
| 30 | Other Assets |  |  |
| 31 | CVA Capital Charge (risk-weighted asset equivalent) | - |  |
| 32 | Advanced CVA Approach | - |  |
| 33 | Unstressed VaR with Multipliers |  |  |
| 34 | Stressed VaR with Multipliers |  |  |
| 35 | Simple CVA Approach |  |  |

## FR Y-14Q Schedule D. 3 - Risk-Weighted Assets - Advanced RWA

|  | Risk-weighted Assets-Advanced ${ }^{1,2}$ | Actual in \$Millions as of date | Comments |
| :---: | :---: | :---: | :---: |
| Advan | ed Approaches Operational Risk |  |  |
| 36 | Operational RWA |  |  |
| Mark | Risk |  |  |
| 37 | Market RWA | - |  |
| 38 | Value-at-risk (VAR)-based capital requirement |  |  |
| 39 | Stressed VAR-based capital requirement |  |  |
| 40 | Incremental Risk Charge (IRC) |  |  |
| 41 | Correlation Trading |  |  |
| 42 | Comprehensive Risk Measurement (CRM), Before Application of Surcharge |  |  |
| 43 | 8\% of Advanced Measurement Method for Exposures Subject to CRM | - |  |
| 44 | CRM Floor Based on 100\% of Advanced - Net Long |  |  |
| 45 | CRM Floor Based on 100\% of Advanced - Net Short |  |  |
| 46 | Non-modeled Securitization |  |  |
| 47 | Specific risk add-on (excluding securitization and correlation) | - |  |
| 48 | Debt |  |  |
| 49 | Equity |  |  |
| 50 | Other market risk |  |  |
| 51 | Assets subject to the general risk-based capital requirements |  |  |
| 52 | Other RWA |  |  |
| 53 | Excess eligible credit reserves not included in tier 2 capital |  |  |
| 54 | Total RWA | - |  |


|  | Risk-weighted Assets-Standardized ${ }^{\text {1, }}$ | Actual in \$Millions as of date | Comments |
| :---: | :---: | :---: | :---: |
| Stand | dized Approach Credit Risk |  |  |
| 1 | Cash and balances due from depository institutions |  |  |
| 2a | Securities (excluding securitizations): Held-to-maturity |  |  |
| 2 b | Securities (excluding securitizations): Available-for-sale |  |  |
| 3 | Federal funds sold |  |  |
|  | Loans and leases on held for sale |  |  |
| 4 a | Residential Mortgage exposures |  |  |
| 4 b | High Volatility Commercial Real Estate (HVCRE) exposures |  |  |
| 4 c | Exposures past due 90 days or more or on nonaccrual |  |  |
| 4 d | All other exposures |  |  |
|  | Loans and leases, net of unearned income |  |  |
| 5a | Residential mortgage exposures |  |  |
| 5b | High Volatility Commercial Real Estate (HVCRE) exposures |  |  |
| 5c | Exposures past due 90 days or more or on nonaccrual |  |  |
| 5 d | All other exposures |  |  |
| 6 | Trading assets (excluding securitizations that receive standardized charges) |  |  |
| 7 a | All other assets |  |  |
| 7 b | Separate account bank-owned life insurance |  |  |
| 7 c | Default fund contributions to central counterparties |  |  |
|  | On-balance sheet securitization exposures |  |  |
| 8 a | Held-to-maturity |  |  |
| 8 b | Available-for-sale |  |  |
| 8 c | Trading assets that are securitization exposures that receive standardized charges |  |  |
| 8 d | All other on-balance sheet securitization exposures |  |  |
| 9 | Off-balance sheet securitization exposures |  |  |
| 10 | RWA for Balance Sheet Asset Categories (sum of items 1 through 8d) | - |  |

Risk-weighted Assets-Standardized ${ }^{1, L}$

## Derivatives and Off-Balance-Sheet Asset Categories (Excluding Securitization Exposures)

## Actual in

\$Millions
as of date

## Financial standby letters of credit

Performance standby letters of credit and transaction related contingent items
Commercial and similar letters of credit with an original maturity of one year or less
Retained recourse on small business obligations sold with recourse
Repo-style transactions
All other off-balance sheet liabilities
Unused commitments: Original maturity of one year or less, excluding ABCP conduits
Unused commitments: Original maturity of one year or less to ABCP conduits
Unused commitments: Original maturity exceeding one year
Unconditionally cancelable commitments
Over-the-counter derivatives
Centrally cleared derivatives
Unsettled transactions (failed trades)


RWA for Assets, Derivatives and Off-Balance-Sheet Asset Categories (sum of items 9 through 21)

RWA for purposes of calculating the allowance for loan and lease losses $\mathbf{1 . 2 5}$ percent threshold

## Market Risk

## 24 Market RWA

25 Value-at-risk (VAR) with Multiplier
26 Stressed VAR with Multiplier
27 Incremental Risk Charge (IRC)
28 Correlation Trading
Comprehensive Risk Measurement (CRM), Before Application of Surcharge
8\% of Standardized Measurement Method (100\%) for Exposures Subject to CRM
CRM Floor Based on 100\% of Standardized - Net Long
CRM Floor Based on 100\% of Standardized - Net Short

## FR Y-14Q Schedule D. 4 - Risk-Weighted Assets - Standardized RWA

| Risk-weighted Assets-Standardized ${ }^{1, 〕}$ | Actual in \$Millions as of date | Comments |
| :---: | :---: | :---: |
| 33 Non-modeled Securitization |  |  |
| 34 Specific risk add-on (excluding securitization and correlation) | - |  |
| 35 Debt |  |  |
| 36 Equity |  |  |
| 37 Other market risk |  |  |
| 38 Excess allowance for loan and lease losses |  |  |
| 39 Allocated transfer risk reserve |  |  |
| 40 Total RWA | - |  |

[^0]

## FR Y-14Q Schedule D. 6 - Planned Actions



## FR Y-14Q Schedule D. 6 - Planned Actions



## FR Y-14Q Schedule D. 6 - Planned Actions




| Country CTRDH038 |
| :---: |
| Australia <br> Austria <br> Belgium <br> Canada <br> Denmark <br> Finland <br> France <br> Germany <br> Greece <br> Ireland <br> Italy <br> Japan <br> Netherlands <br> New Zealand <br> Norway <br> Portugal <br> Spain <br> Sweden <br> Switzerland <br> United Kingdom <br> United States <br> Euro Stoxx 50 Index <br> Stoxx Europe 600 Index <br> Other Cross-Country Indices <br> Other Advanced Economies <br> Advanced Economies Total <br> Bulgaria <br> Czech Republic <br> Hungary <br> Poland <br> Russia <br> Ukraine <br> MSCI EM Eastern Europe <br> Other Cross-Country Indices <br> Other Emerging Europe <br> Emerging Europe Total |
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| Argentina |
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| Brazil |

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| China |
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| Hong Kong |
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| Asia Ex-J-apapan Total |




| Country <br> CTRDH38 |
| :--- |
| Israel <br> Turkey <br> Other Cross-Country Indices <br> Other Middle East/N. Africa <br> Middle East/N. Africa Total <br> South Africa <br> Other Cros-Country Indices <br> Other Sub-Saharan Africa <br> Sub-Saharan Africa Total <br> MSCI All Country World Index (ACWI) <br> MSCI EAFE Index <br> MSI EM Index <br> MSCI EMEA Index <br> MSCI World Index <br> OSther Cross-Country Indices <br> Cross-Regional Indices Total |
| GLOBAL TOTAL |



Profit/(Loss) from changes in Spot/Vol (\$MM): WORLD-WIDE EQUITIES
CTRDH048

| CTRDH047 |  | \% Change in spot value |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | -50\% | -40\% | -35\% | -30\% | -20\% | 0\% |  |
|  |  | CTRDH046 |  |  |  |  |  |  |
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|  | 0\% |  |  |  |  |  | \$0 |  |
|  | 15\% |  |  |  |  |  |  |  |
|  | 30\% |  |  |  |  |  |  |  |
|  | 60\% |  |  |  |  |  |  |  |
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Delta post spot shock (at 0 vol shock) (\$MM)


Gamma post spot shock (at 0 vol shock) (\$MM / +1\%)
CTRDH051

$\$ 0.0000$
Vega post spot shock (at 0 vol shock) (\$MM / +1 vol pt)


## Profit/(Loss) from a -1\% change in dividends (\$MM)

CTRDH055

| Region | 1Y | 2Y | 3Y | 5 Y | 7Y | 10Y | Unspecified Tenor | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH053 | CTRDH054 |  |  |  |  |  |  |  |
| US |  |  |  |  |  |  |  | \$0.00 |
| Europe |  |  |  |  |  |  |  | \$0.00 |
| Japan |  |  |  |  |  |  |  | \$0.00 |
| Other / Unspecified |  |  |  |  |  |  |  | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

<------------------ Currency1 weakening against Currency2 ------ ----- Currency1 strengthening against Currency2 -----------------> \$MM Profit/(Loss) From \% Change in Spot Price in Currency1 vs. Currency2

| Currency 1 | Currency 2 | $\begin{gathered} \text { Delta } \\ \text { (\$MM) } \end{gathered}$ | Gamma <br> (\$MM / +1\%) |
| :---: | :---: | :---: | :---: |
| CTRDH056 | CTRDH057 | CTRDH058 | CTRDH059 |
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<------------------ Currency1 weakening against Currency2 ----- ----- Currency1 strengthening against Currency2 ----------------> \$MM Profit/(Loss) From \% Change in Spot Price in Currency1 vs. Currency2

| Currency 1 |  |
| :--- | :--- |
| Currency 2 |  |
| CTRDH056 | CTRDH057 |
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| Delta <br> (\$MM) | Gamma <br> (\$MM $/+1 \%)$ |
| :---: | :---: |
| CTRDH058 | CTRDH059 |$|$



## FX Lognormal Vega (\$K / +1 vol pt)

| Currency 1 | Currency 2 | 1M | 3M | 6M | 9M | 1Y | $2 Y$ | 3 Y | 5Y | 7Y | 10Y | 15Y | 20Y | 30Y | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH062 | CTRDH063 | CTRDH064 |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| SMM P/(L) from a Parallel Move in Rates (bps) |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  | CTRDH07 |  |  |  |  |  |
| -200 bp | -100 bps | -50 bps | 0 bps | +50 bps | +100 bps | +150 bps |  | +300 bps | +400 bps | +500 bps |
|  | СтRDH06 |  |  |  |  |  |  |  |  | +500.bps |

Agencies
Municipals
Swap/ $\operatorname{Discounting~Curve~}$
Instruments shocked by MV**
Instruments shocl
Other
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| 3 m Basis |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 |
| 6 m Basis |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 |
| 12 m Basis <br> Other Basis |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 0.00 |



CHF Directional Risks
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Municipals
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Instruments shocked by MV
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Swaps / Discounting Curve
Instruments shocked by MV
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Total Directional






k Directional Risks

| Governments <br> Agencies <br> Municipals <br> Swaps / Discou |
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Swaps $/$ Discounting Curve
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V01 (\$K / -1 bp)









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${ }^{30 \gamma}$

 NoK Directional Risks Govermments
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Municipals Sunicipals
Swaps / Discounting Curve

Instruments shocked by \begin{tabular}{|l|l|l|l|}
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NZD Directional Risks

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| Instruments shocked by Mv** |
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Prime Basis
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3 m Basis
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12 m asis





| Other Advanced Economies Directional Ris |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Total Emerging Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



Directional Risks: Latin America \& Cribbean





irectional Risks: Middle East/North Africa
 Directional Risks: Sub-Saharan Africa Other Sub-Saharan Africa tota Sub-Saharan Africa




 | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ |
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Expiry CTRDH075 Currency CTRDH076


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|  | 9M |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 |
|  | 1 Y |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 |
|  | $2 Y$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 |
|  | 3 Y |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 |
|  | 5 Y |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 |
|  | 7 Y |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 |
|  | 10Y |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 |
|  | 15 Y |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 |
|  | 20Y |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 |
|  | 30 Y |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  | 0.00 |
|  | Total |  | 0.00 |  |  |  |  |  |  |  |  |  |  |  | 0.00 | 0.00 |

Effective Date:
Submission Date



US


Effective Date:
Submission Date


Total Latam \& Caribbean


| Total Asia Ex-Japan |  |  |
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| $\begin{aligned} & \stackrel{\rightharpoonup}{x} \\ & \frac{a}{\alpha} \\ & \underset{x}{2} \end{aligned}$ | 1 M |  |
|  | 3M |  |
|  | 6M |  |
|  | 9 M |  |
|  | 1 Y |  |
|  | $2 Y$ |  |
|  | $3 Y$ |  |
|  | 5 Y |  |
|  | $7 Y$ |  |
|  | 10Y |  |
|  | 15 Y |  |
|  | 20Y |  |
|  | 30Y |  |
|  | Total |  |


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|  | 0.00 | 0.00 |

Effective Date:
Submission Date
cTRDH077


Total Sub-Saharan Africa


Inflation Delta (\$K / +1 bp)

| CTRDH081 | MATURITY |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Currency | 1M | 3M | 6M | 9M | 1Y | 2 Y | 3 Y | 5Y | 7 Y | 10Y | 15Y | 20Y | 30Y | Total |
| CTRDH079 | CTRDH080 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AUD |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 |
| EUR |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 |
| GBP |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 |
| JPY |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 |
| USD |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 |
| Other |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

## Cross-Currency vs. USD Basis (\$K / +1 bp)

( +1 bp parallel move in curve relative to base

| CTRDH082 | MATURITY |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Currency | 1M | 3M | 6M | 9M | 1Y | 2Y | 3Y | 5Y | 7Y | 10Y | 15Y | 20Y | 30Y | Total |
| CTRDH079 | CTRDH080 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AUD |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 |
| EUR |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 |
| GBP |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 |
| JPY |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 |
| Other |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.00 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



CTRDH087
CTRDH086 Spot Maturity

| Month 1 |
| :--- |
| Month 2 |
| Month 3 |
| Month 4 |
| Month 5 |
| Month 6 |
| Month 7 |
| Month 8 |
| Month 9 |
| Month 10 |
| Month 11 |
| Month 12 |
| Month 13 |
| Month 14 |
| Month 15 |
| Month 16 |
| Month 17 |
| Month 18 |
| Month 19 |
| Month 20 |
| Month 21 |
| Month 22 |
| Month 23 |
| Month 24 |
| Year 3 |
| Year 4 |
| Year 5 |
| Year 6 |
| Year 7 |
| Year 8 |
| Year 9 |
| Year 10-14 |
| Year 15-19 |
| Year 20+ |
| Total Delta |

Gamma (\$MM / +1\%) CTRDH088 Total Gamma

Vega (\$MM / +1 vol pt) ctrdho89
Vega (\$MM / +10\% Rel) ствднояо Total Vega

|  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |


| Trading, PE \& Other Fair Value Asse Energy |  |  |  |  |  |  |  |  | Effective Date: <br> Submission Date: |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OIL PRODUCTS |  |  |  |  |  |  |  |  |  |  |
|  | CTRDH083 |  |  |  |  |  |  |  |  |  |  |
|  | OTHER OIL PRODUCTS |  |  |  |  |  |  |  |  |  |  |
| Delta (\$MM) <br> CTRDH087 | Diesel | Fuel Oil | Heating Oil | Naptha | Ethanol | LPG | Jet Fuel | Gas Oils | Gasoline | Other Oil Products | Total Oil Products |
| CTRDH086 | CTRDH084 |  |  |  |  |  |  |  |  |  |  |
| Spot Maturity |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 1 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 2 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 3 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 4 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 5 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 6 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 7 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 8 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 9 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 10 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 11 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 12 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 13 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 14 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 15 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 16 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 17 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 18 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 19 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 20 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 21 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 22 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 23 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 24 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 3 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 4 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 5 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 6 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 7 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 8 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 9 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 10-14 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 15-19 |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 20+ |  |  |  |  |  |  |  |  |  |  | \$0 |
| Total Delta | \$0 | \$0 | \$0 | \$0 \$0 |  | \$0 | \$0 | \$0 \$0 |  | \$0 | \$0 |
| Gamma (\$MM / +1\%) |  |  |  |  |  |  |  |  |  |  |  |
| Total Gamma |  |  |  |  |  |  |  |  |  |  | 0 |
| Vega (\$MM / +1 vol pt) |  |  |  |  |  |  |  |  |  |  |  |
| Vega (\$MM / +10\% Rel) |  |  |  |  |  |  |  |  |  |  |  |
| Total Vega |  |  |  |  |  |  |  |  |  |  | 0 |


| Delta (\$MM) | NATURAL GAS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | CTRDH083 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | US |  |  |  |  |  |  | Europe |  |  |  |  |  | Canada | Other Regions | Total NatGas |
|  | Gulf Coast | MidCont | NE | Rockies | West | NYMEX | Other US | UK | Belgium | Dutch | French | German | Other Europe |  |  |  |
| CTRDH086 <br> Spot Maturity | CTRDH084 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 23 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 24 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 10-14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 15-19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 20+ |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |  | \$0 |
| Total Delta | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 \$0 |  | \$0 | \$0 | \$0 | \$0 |  | \$0 | \$0 |
| Gamma (\$MM / +1\%) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total Gamma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |
| Vega (\$MM / +1 vol pt) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vega (\$MM / +10\% Rel) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total Vega |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |


| Delta (\$MM) | P O W ER |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | CTRDH083 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | US |  |  |  |  |  | Europe |  |  |  |  |  |  | Other Regions | Total Power |
|  | Ercot | Midwest | North East | NYISO | West | Other US | Nordpool | Benelux | UK | Germany | France | Italy | Other Europe |  |  |
| CTRDH086 | CTRDH084 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Spot Maturity |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 23 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Month 24 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 10-14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 15-19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |
| Year 20+ |  |  |  |  |  |  |  |  |  | \$0 |  |  |  |  | \$0 |
| Total Delta | \$0 | \$0 | \$0 | \$0 \$0 |  | \$0 | \$0 \$0 |  | \$0 |  | \$0 \$0 |  | \$0 | \$0 | \$0 |
| Gamma (\$MM / +1\%) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total Gamma |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |
| Vega (\$MM / +1 vol pt) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vega (\$MM / +10\% Rel) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total Vega |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |

$\qquad$

| Delta (\$MM) | OTHER ENERGY CTRDH083 |  |  |  |  |  |  |  |  |  |  |  |  | Total Energy |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Emissions |  |  |  | Coal |  |  |  | Dry Freight |  | Structured Products | Other / Unspecified Energy | Total Other Energy |  |
|  | EUA/ETS | CER | VER | Other | ARA /API2 | Richards Bay / API4 | Indonesia | Other <br> Regions | Baltic Dry Index | Other <br> Freight |  |  |  |  |
| CTRDH086 <br> Spot Maturity | CTRDH084 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 1 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 2 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 3 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 4 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 5 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 6 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 7 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 8 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 9 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 10 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 11 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 12 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 13 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 14 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 15 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 16 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 17 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 18 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 19 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 20 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 21 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 22 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 23 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Month 24 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Year 3 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Year 4 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Year 5 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Year 6 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Year 7 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Year 8 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Year 9 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Year 10-14 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Year 15-19 |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Year 20+ |  | \$0 | \$0 | \$0 |  |  |  |  |  |  |  |  | \$0 | \$0 |
| Total Delta | \$0 |  |  |  | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Gamma (\$MM / +1\%) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total Gamma |  |  |  |  |  |  |  |  |  |  |  |  | 0 | 0 |
| Vega (\$MM / +1 vol pt) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vega (\$MM / +10\% Rel) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total Vega |  |  |  |  |  |  |  |  |  |  |  |  | 0 | 0 |

## Trading, PE \& Other Fair Value Asse

Energy

## Delta (\$MM) <br> CTRDH087

CTRDH086

Month 1
Month 2
Month 3
Month 4
Month 5
Month 6
Month 7
Month 8
Month 9

| Month 10 |
| :--- |
| Month 11 |

Month 11

| Month 11 |
| :--- |
| Month 12 |


| Month 12 |
| :--- |
| Month 13 |


| Month 13 |
| :--- |
| Month 14 |


| Month 14 |
| :--- |
| Month 15 |

Month 16
Month 17
Month 18
Month 19
Month 20
Month 21
Month 22
Month 23
Month 24
Year 3
Year 4
Year 5
Year 5
Year 6
Year 7
Year 8
Year 9
Year 10-14
Year 15-19
Year 20+
Total Delta
Gamma (\$MM / +1\%)
Total Gamma
Vega (\$MM / +1 vol pt)
Vega (\$MM / +10\% Rel) Total Vega

** See FR Y-14Q instructions



| Delta (\$MM) <br> CTRDH087 | S\&P GSCI Index | DJ-UBS Index | TR/J CRB Index | Other Diversified Indices | Diversified Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH086 | CTRDH084 |  |  |  |  |
| Spot Maturity |  |  |  |  | \$0 |
| Month 1 |  |  |  |  | \$0 |
| Month 2 |  |  |  |  | \$0 |
| Month 3 |  |  |  |  | \$0 |
| Month 4 |  |  |  |  | \$0 |
| Month 5 |  |  |  |  | \$0 |
| Month 6 |  |  |  |  | \$0 |
| Month 7 |  |  |  |  | \$0 |
| Month 8 |  |  |  |  | \$0 |
| Month 9 |  |  |  |  | \$0 |
| Month 10 |  |  |  |  | \$0 |
| Month 11 |  |  |  |  | \$0 |
| Month 12 |  |  |  |  | \$0 |
| Month 13 |  |  |  |  | \$0 |
| Month 14 |  |  |  |  | \$0 |
| Month 15 |  |  |  |  | \$0 |
| Month 16 |  |  |  |  | \$0 |
| Month 17 |  |  |  |  | \$0 |
| Month 18 |  |  |  |  | \$0 |
| Month 19 |  |  |  |  | \$0 |
| Month 20 |  |  |  |  | \$0 |
| Month 21 |  |  |  |  | \$0 |
| Month 22 |  |  |  |  | \$0 |
| Month 23 |  |  |  |  | \$0 |
| Month 24 |  |  |  |  | \$0 |
| Year 3 |  |  |  |  | \$0 |
| Year 4 |  |  |  |  | \$0 |
| Year 5 |  |  |  |  | \$0 |
| Year 6 |  |  |  |  | \$0 |
| Year 7 |  |  |  |  | \$0 |
| Year 8 |  |  |  |  | \$0 |
| Year 9 |  |  |  |  | \$0 |
| Year 10-14 |  |  |  |  | \$0 |
| Year 15-19 |  |  |  |  | \$0 |
| Year 20+ |  |  |  |  | \$0 |
| Total Delta | \$0 | \$0 | \$0 | \$0 | \$0 |

Gamma (\$MM / +1\%) CTRDH088
Total Gamma

| Long/Short Commodity Indices | Grand Total |
| :---: | :---: |
| CTRDH084 |  |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
|  | \$0 |
| \$0 | \$0 |

[^1]Profit/(Loss) from changes in Spot/Vol (\$MM): OIL PRODUCTS
CTRDH095
Please select how volatility changes are expressed:
CTRDH091
Absolute Shift in Vol Pts

| \% CHANGE IN SPOT VALUE |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH092 |  | -75\% | -50\% | -40\% | -30\% | -20\% | 0\% | 25\% | 50\% | 75\% |  |
| CTRDH093 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | 0 |  |  |  |  |  | \$0.00 |  |  |  |  |
|  | 10 |  |  |  |  |  |  |  |  |  |  |
|  | 20 |  |  |  |  |  |  |  |  |  |  |
|  | 35 |  |  |  |  |  |  |  |  |  |  |
|  | 50 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |

Profit/(Loss) from changes in Spot/Vol (\$MM): NATURAL GAS CTRDH095

Please select how volatility changes are expressed:
CTRDH091
CTRDH094

Absolute Shift in Vol Pts

| \% CHANGE IN SPOT VALUE |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH092 |  | -75\% | -50\% | -40\% | -30\% | -20\% | 0\% | 25\% | 50\% | 75\% |  |
| CTRDH093 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | 0 |  |  |  |  |  | \$0.00 |  |  |  |  |
|  | 10 |  |  |  |  |  |  |  |  |  |  |
|  | 20 |  |  |  |  |  |  |  |  |  |  |
|  | 35 |  |  |  |  |  |  |  |  |  |  |
|  | 50 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |

Profit/(Loss) from changes in Spot/Vol (\$MM): POWER CTRDH095

Please select how volatility changes are expressed:

| CTRDH092 |  | \% CHANGE IN SPOT VALUE |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | -75\% | -50\% | -40\% | -30\% | -20\% | 0\% | 25\% | 50\% | 75\% |  |
|  |  | CTRDH093 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | 0 |  |  |  |  |  | \$0.00 |  |  |  |  |
|  | 10 |  |  |  |  |  |  |  |  |  |  |
|  | 20 |  |  |  |  |  |  |  |  |  |  |
|  | 35 |  |  |  |  |  |  |  |  |  |  |
|  | 50 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |

Profit/(Loss) from changes in Spot/Vol (\$MM): EMISSIONS
CTRDH095
Please select how volatility changes are expressed:
CTRDH091
Absolute Shift in Vol Pts

| \% CHANGE IN SPOT VALUE |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH092 |  | -75\% | -50\% | -40\% | -30\% | -20\% | 0\% | 25\% | 50\% | 75\% |  |
| CTRDH093 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | 0 |  |  |  |  |  | \$0.00 |  |  |  |  |
|  | 10 |  |  |  |  |  |  |  |  |  |  |
|  | 20 |  |  |  |  |  |  |  |  |  |  |
|  | 35 |  |  |  |  |  |  |  |  |  |  |
|  | 50 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |

## Profit/(Loss) from changes in Spot/Vol (\$MM): COAL

 CTRDH095Please select how volatility changes are expressed:

CTRDH094

CTRDH091 Absolute Shift in Vol Pts

| \% CHANGE IN SPOT VALUE |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH092 |  | -75\% | -50\% | -40\% | -30\% | -20\% | 0\% | 25\% | 50\% | 75\% |  |
| CTRDH093 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | 0 |  |  |  |  |  | \$0.00 |  |  |  |  |
|  | 10 |  |  |  |  |  |  |  |  |  |  |
|  | 20 |  |  |  |  |  |  |  |  |  |  |
|  | 35 |  |  |  |  |  |  |  |  |  |  |
|  | 50 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |

Profit/(Loss) from changes in Spot/Vol (\$MM): FREIGHT CTRDH095

Please select how volatility changes are expressed:
CTRDH091 Absolute Shift in Vol Pts

| CTRDH092 |  | \% CHANGE IN SPOT VALUE |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | -75\% | -50\% | -40\% | -30\% | -20\% | 0\% | 25\% | 50\% | 75\% |  |
|  |  | CTRDH093 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | 0 |  |  |  |  |  | \$0.00 |  |  |  |  |
|  | 10 |  |  |  |  |  |  |  |  |  |  |
|  | 20 |  |  |  |  |  |  |  |  |  |  |
|  | 35 |  |  |  |  |  |  |  |  |  |  |
|  | 50 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | CTRDH095



| CTRDH092 |  | \% CHANGE IN SPOT VALUE |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | -75\% | -50\% | -40\% | -30\% | -20\% | 0\% | 25\% | 50\% | 75\% |  |
|  |  | CTRDH093 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | 0 |  |  |  |  |  | \$0.00 |  |  |  |  |
|  | 10 |  |  |  |  |  |  |  |  |  |  |
|  | 20 |  |  |  |  |  |  |  |  |  |  |
|  | 35 |  |  |  |  |  |  |  |  |  |  |
|  | 50 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |

## Profit/(Loss) from changes in Spot/Vol (\$MM): BASE METALS

 CTRDH095Please select how volatility changes are expressed:
CTRDH091
CTRDH094

| \% CHANGE IN SPOT VALUE |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH092 |  | -75\% | -50\% | -40\% | -30\% | -20\% | 0\% | 25\% | 50\% | 75\% |  |
| CTRDH093 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | 0 |  |  |  |  |  | \$0.00 |  |  |  |  |
|  | 10 |  |  |  |  |  |  |  |  |  |  |
|  | 20 |  |  |  |  |  |  |  |  |  |  |
|  | 35 |  |  |  |  |  |  |  |  |  |  |
|  | 50 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |

Profit/(Loss) from changes in Spot/Vol (\$MM): PRECIOUS METALS
CTRDH095
Please select how volatility changes are expressed:
CTRDH091
Absolute Shift in Vol Pts

| \% CHANGE IN SPOT VALUE |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH092 |  | -75\% | -50\% | -40\% | -30\% | -20\% | 0\% | 25\% | 50\% | 75\% |  |
|  |  | CTRDH093 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | 0 |  |  |  |  |  | \$0.00 |  |  |  |  |
|  | 10 |  |  |  |  |  |  |  |  |  |  |
|  | 20 |  |  |  |  |  |  |  |  |  |  |
|  | 35 |  |  |  |  |  |  |  |  |  |  |
|  | 50 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |

Profit/(Loss) from changes in Spot/Vol (\$MM): AGS/SOFTS CTRDH095

Please select how volatility changes are expressed:
CTRDH091
CTRDH094

Absolute Shift in Vol Pts

| \% CHANGE IN SPOT VALUE |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH092 |  | -75\% | -50\% | -40\% | -30\% | -20\% | 0\% | 25\% | 50\% | 75\% |  |
| CTRDH093 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | 0 |  |  |  |  |  | \$0.00 |  |  |  |  |
|  | 10 |  |  |  |  |  |  |  |  |  |  |
|  | 20 |  |  |  |  |  |  |  |  |  |  |
|  | 35 |  |  |  |  |  |  |  |  |  |  |
|  | 50 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |

Profit/(Loss) from changes in Spot/Vol (\$MM): DIVERSIFIED COMMODITY INDICES
CTRDH094 CTRDH095

Please select how volatility changes are expressed:
CTRDH091 Absolute Shift in Vol Pts

| \% CHANGE IN SPOT VALUE |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH092 |  | -75\% | -50\% | -40\% | -30\% | -20\% | 0\% | 25\% | 50\% | 75\% |  |
|  |  | CTRDH093 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | 0 |  |  |  |  |  | \$0.00 |  |  |  |  |
|  | 10 |  |  |  |  |  |  |  |  |  |  |
|  | 20 |  |  |  |  |  |  |  |  |  |  |
|  | 35 |  |  |  |  |  |  |  |  |  |  |
|  | 50 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |


|  | RMBS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  | CTRDH |  |  |  |  |  |  |  |
| Grand <br> Total | Non-Agency | Sub-prime | Option ARMS | Other Alta | Unspec Non- Prime | Heloc | RMBS CDO | RMBS CDS | Credit <br> Basket | PrimeX | ABX / TABX | Prime Whole Loans | Non-Prime Whole Loans | European RMBS | Other / Unspecified | $\begin{aligned} & \text { RMBS } \\ & \text { SubTotal } \end{aligned}$ |

$>9 Y$
$>6$ and $<=9 Y$
$>3 Y$ and $<=6 Y$
$<=3 Y$
Unspecified Vintage
A Total
$>9 \mathrm{r}$
$>6 Y$ and $<=9 Y$
$>3 Y$ and $<=6 \mathrm{Y}$
< $=3 Y$
Unspecified Vintage
A Total
$>9 Y$
$>6 Y$ and $<=9 Y$
$>6 \mathrm{Y}$ and $<=9 \mathrm{Y}$
$>3 \mathrm{Y}$ and $<=6 \mathrm{Y}$
< $=3 Y$
Unspecified Vintage
BBB Total
$\rightarrow 9 Y$
$>6 \mathrm{Y}$ and $<=9 \mathrm{Y}$
$>3 Y$ and $<=6 Y$
$<=3 Y$
Unspecified Vintag
Unspecifie
$>9 \mathrm{Y}$
$>6 Y$ and $<=9 Y$
$>3 Y$ and $<=6 Y$
$>3 Y$ an
Unspecified Vintage
B Total
$>9 \mathrm{Y}$
$>6 Y$ and < $=9 Y$
$>3 Y$ and $<=6 Y$
$<=3 Y$
Unspecified Vintage
<B Total
<B Total
$>9 \mathrm{Y}$
$>6 Y$ and $<=9 Y$
$>3 Y$ and $<=6 \mathrm{Y}$
<=3Y
Unspecified Vintage
NR Total
$>9 \mathrm{Y}$
$>6 Y$ and <= $9 Y$
$>6 Y$ and $<=9 Y$
$>3 Y$ and $<=6 Y$
$<=3 Y$
Unspecified Vintage
otal






| Corporate CDO/ CLO |  |  | Warehouse |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH096 |  |  | CTRDH096 |  |  |  |  |  |
|  | Other / <br> Unspecified | Corporate <br> CDO/Co <br> SubTotal | Other / <br> Total Size |  |  |  | Total Protection | Unspecified |

Notional (SMMM)
CTRDH101
CTRDH101
Rating (CTRDH098)
Rating (CTRDHO98)
Vintage (CTRDHO99)

| AAA Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| > 9Y |  |  | \$0 |  |  |  |
| $>6 \mathrm{Y}$ and <= 9 Y |  |  | \$0 |  |  |  |
| $>3 \mathrm{Y}$ and $<=6 \mathrm{Y}$ |  |  | \$0 |  |  |  |
| $<=3 \gamma$ |  |  | \$0 |  |  |  |
| Unspecified Vintage |  |  | \$0 |  |  |  |
| AA Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| > 9 Y |  |  | \$0 |  |  |  |
| $>6 \mathrm{Y}$ and $<=9 \mathrm{Y}$ |  |  | \$0 |  |  |  |
| $>3 Y$ and $<=6 Y$ |  |  | \$0 |  |  |  |
| < $=3 Y$ |  |  | \$0 |  |  |  |
| Unspecified Vintage |  |  | \$0 |  |  |  |
| A Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| > 9 Y |  |  | \$0 |  |  |  |
| $>6 \mathrm{Y}$ and $<=9 \mathrm{Y}$ |  |  | \$0 |  |  |  |
| $>3 Y$ and $<=6 \mathrm{Y}$ |  |  | \$0 |  |  |  |
| $<=3 Y$ |  |  | \$0 |  |  |  |
| Unspecified Vintage |  |  | \$0 |  |  |  |
| BBB Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| > 9Y |  |  | \$0 |  |  |  |
| $>6 \mathrm{Y}$ and $<=9 \mathrm{Y}$ |  |  | \$0 |  |  |  |
| $>3 Y$ and $<=6 \mathrm{Y}$ |  |  | \$0 |  |  |  |
| < $=3 Y$ |  |  | \$0 |  |  |  |
| Unspecified Vintage |  |  | \$0 |  |  |  |
| BB Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| > 9 Y |  |  | \$0 |  |  |  |
| $>6 \mathrm{Y}$ and $<=9 \mathrm{Y}$ |  |  | \$0 |  |  |  |
| $>3 Y$ and <= $6 Y$ |  |  | \$0 |  |  |  |
| < $=3 Y$ |  |  | \$0 |  |  |  |
| Unspecified Vintage |  |  | \$0 |  |  |  |
| B Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| >9Y |  |  | \$0 |  |  |  |
| $>6 \mathrm{Y}$ and $<=9 \mathrm{Y}$ |  |  | \$0 |  |  |  |
| $>3 Y$ and $<=6 \mathrm{Y}$ |  |  | \$0 |  |  |  |
| $<=3 Y$ |  |  | \$0 |  |  |  |
| Unspecified Vintage |  |  | \$0 |  |  |  |
| <B Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| > 9Y |  |  | \$0 |  |  |  |
| $>6 \mathrm{Y}$ and $<=9 \mathrm{Y}$ |  |  | \$0 |  |  |  |
| $>3 Y$ and $<=6 \mathrm{Y}$ |  |  | \$0 |  |  |  |
| < $=3 \gamma$ |  |  | \$0 |  |  |  |
| Unspecified Vintage |  |  | \$0 |  |  |  |
| NR Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| > 9 Y |  |  | \$0 |  |  |  |
| $>6 \mathrm{Y}$ and $<=9 \mathrm{Y}$ |  |  | \$0 |  |  |  |
| $>3 Y$ and $<=6 \mathrm{Y}$ |  |  | \$0 |  |  |  |
| < $=3 Y$ |  |  | \$0 |  |  |  |
| Unspecified Vintage |  |  | \$0 |  |  |  |
| Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |


|  | MV (\$MM) | $\begin{gathered} \text { DV01 } \\ (\$ \mathrm{SK} /-1 \mathrm{bp}) \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSO1 } \\ (\$ \mathrm{~K} /+1 \text { bp OAS } \\ \text { widening) } \end{gathered}$ | \$K / +1\% rise in prepayments | Profit/(Loss) in \$K from an Absolute Widening in OAS (bps) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | CTRDH108 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 0 bps | +1 bps | +10 bps | +50 bps | +100 bps | +200 bps | +300 bps | +400 bps |  |
| US Residential Agency Products |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CTRDH102 | CTRDH104 | CTRDH105 | CTRDH106 CTRDH107 |  | CTRDH109 |  |  |  |  |  |  |  |  |  |
| CTRDH103 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IOs |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |
| POs |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |
| Other CMOs |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |
| Pass-Throughs |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |
| Agency Debt/Debentures |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |
| IOS Index |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |
| POS Index |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |
| MBX Index |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |
| Other Agency Derivatives |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |
| TBA's |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |
| Reverse Mortgages |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |
| Residential Other / Unspecified |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |
| Total | \$0 | 0 | 0 | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |

US Commercial Agency Products
CTRDH102

| CTRDH103 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cash Agency CMBS Agency CMBS Derivatives Commercial Other / Unspecified |  |  |  |  |  | \$0$\$ 0$$\$ 0$ | $\begin{aligned} & \$ 0 \\ & \$ 0 \\ & \$ 0 \end{aligned}$ |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total | \$0 | 0 | 0 | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |

## Non-US Agency Products

CTRDH102
CTRDH410

| AAA |
| :--- |
| AA |
| A |
| BBB |
| BB |
| B |
| <B |
| NR |
| Tota |


|  |  |  |  |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  | 0 |
|  | 0 |  | 0 |


|  | \$0 | \$0 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \$0 | \$0 |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |





| Indices |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AAA |  |  |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |  |
| AA |  |  |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |  |
| A |  |  |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |  |
| BBb |  |  |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |  |
| вв |  |  |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |  |
| B |  |  |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |  |
| <B |  |  |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |  |
| NR |  |  |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |  |
| Indices Total | \$0 | \$0 | \$0 | \$0 |  | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | S0 | \$0 | \$0 | \$0 |
| 1M |  |  |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |  |
| 3M |  |  |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |  |
| 6M |  |  |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |  |
| 9 M |  |  |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |  |
| 1 Y |  |  |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |  |
| 2 Y |  |  |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |  |
| $3 Y$ |  |  |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |  |
| $5 Y$ |  |  |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |  |
| 7 Y |  |  |  |  | \$0 |  |  |  |  | - | - |  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |  |
| 10Y |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |  |
| 15 Y |  |  |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |  |
| 20 Y |  |  |  |  | \$0\$0 |  |  |  |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |  |
| 30 Y |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |  |
| Indices Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | 50 | \$0 | \$0 | \$0 |

CTRDH347

$$
\begin{aligned}
& \text { Asset category CTRD } \\
& \text { Rating CTRDH111 }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Rating CTRDH1111 } \\
& \text { Maturity CTRDH112 }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Maturity CTRDH112 } \\
& \text { Other / Unspecified Munis }
\end{aligned}
$$

| AAA |  |  |  |
| :---: | :---: | :---: | :---: |
| AA |  |  |  |
| A |  |  |  |
| BBB |  |  |  |
| BB |  |  |  |
| B |  |  |  |
| <B |  |  |  |
| NR |  |  |  |
| Other / Unspecified Munis Total | \$0 | \$0 | \$0 |
| 1M |  |  |  |
| 3M |  |  |  |
| 6M |  |  |  |
| 9M |  |  |  |
| 1Y |  |  |  |
| 2Y |  |  |  |
| 3 Y |  |  |  |
| 5 Y |  |  |  |
| 7Y |  |  |  |
| 10Y |  |  |  |
| 15 Y |  |  |  |
| 20Y |  |  |  |
| 30 Y |  |  |  |
| Other / Unspecified Munis Total | \$0 | \$0 | \$0 |

$\square$


## Grand Total

| AAA | \$0 | \$0 | \$0 |
| :---: | :---: | :---: | :---: |
| AA | \$0 | \$0 | \$0 |
| A | \$0 | \$0 | \$0 |
| BBb | \$0 | \$0 | \$0 |
| BB | \$0 | \$0 | \$0 |
| B | \$0 | \$0 | \$0 |
| <B | \$0 | \$0 | \$0 |
| NR | \$0 | \$0 | \$0 |
| Grand Total | \$0 | \$0 | \$0 |
| 1 M | \$0 | \$0 | \$0 |
| 3M | \$0 | \$0 | \$0 |
| 6M | \$0 | \$0 | \$0 |
| 9 M | \$0 | \$0 | \$0 |
| 1 Y | \$0 | \$0 | \$0 |
| 2 Y | \$0 | \$0 | \$0 |
| $3 Y$ | \$0 | \$0 | \$0 |
| 5 Y | \$0 | \$0 | \$0 |
| $7 Y$ | \$0 | \$0 | \$0 |
| 10Y | \$0 | \$0 | \$0 |
| 15 Y | \$0 | \$0 | \$0 |
| 20 Y | \$0 | \$0 | \$0 |
| 30 Y | \$0 | \$0 | \$0 |
| Grand Total | \$0 | \$0 | \$0 |


| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |


| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |

Trading, PE \& Other Fair Value Assets Schedule
Firm Name
Auction Rate Securities (ARS)
CTRDH347

| Asset category CTRDH110 <br> Rating CTRDH111 <br> Maturity CTRDH112 | MV (\$MM) | $\begin{gathered} \text { DV01 } \\ (\$ K /-1 \mathrm{bp}) \end{gathered}$ | CsO1 <br> (\$K/+1 bp spread widening) |
| :---: | :---: | :---: | :---: |
| Student Loan Auction Rate Securities (SLARS) | CTRDH117 | CTRDH118 | CTRDH119 |
| AAA |  |  |  |
| AA |  |  |  |
| A |  |  |  |
| BBB |  |  |  |
| BB |  |  |  |
| B |  |  |  |
| <B |  |  |  |
| NR |  |  |  |
| Total | \$0 | \$0 | \$0 |
| 1M |  |  |  |
| 3M |  |  |  |
| 6M |  |  |  |
| 9M |  |  |  |
| 1 Y |  |  |  |
| $2 Y$ |  |  |  |
| $3 Y$ |  |  |  |
| $5 Y$ |  |  |  |
| 7 Y |  |  |  |
| 10Y |  |  |  |
| 15Y |  |  |  |
| 20Y |  |  |  |
| 30Y |  |  |  |
| Total | \$0 | \$0 | \$0 |

## Trading, PE \& Other Fair Value Assets Schedule

Firm Name
Auction Rate Securities (ARS)
CTRDH347

Asset category CTRDH110
Rating CTRDH111
Maturity CTRDH112

| Effective Date: |
| :--- |
| Submission Date: |

## Municipal Auction Rate Securities (MARS)

| AAA |  |  |  |
| :---: | :---: | :---: | :---: |
| AA |  |  |  |
| A |  |  |  |
| BBB |  |  |  |
| BB |  |  |  |
| B |  |  |  |
| <B |  |  |  |
| NR |  |  |  |
| Total | \$0 | \$0 | \$0 |
| 1M |  |  |  |
| 3M |  |  |  |
| 6M |  |  |  |
| 9M |  |  |  |
| $1 Y$ |  |  |  |
| $2 Y$ |  |  |  |
| $3 Y$ |  |  |  |
| 5 Y |  |  |  |
| 7 Y |  |  |  |
| 10Y |  |  |  |
| 15Y |  |  |  |
| 20Y |  |  |  |
| 30Y |  |  |  |
| Total | \$0 | \$0 | \$0 |

Trading, PE \& Other Fair Value Assets Schedule
Firm Name
Auction Rate Securities (ARS)
CTRDH347

Asset category CTRDH110
Rating CTRDH111
Maturity CTRDH112

| Effective Date: |
| :--- |
| Submission Date: |

Auction Rate Preferred Securities (ARPS)

| AAA |  |  |  |
| :---: | :---: | :---: | :---: |
| AA |  |  |  |
| A |  |  |  |
| BBB |  |  |  |
| BB |  |  |  |
| B |  |  |  |
| <B |  |  |  |
| NR |  |  |  |
| Total | \$0 | \$0 | \$0 |
| 1M |  |  |  |
| 3M |  |  |  |
| 6M |  |  |  |
| 9M |  |  |  |
| 1Y |  |  |  |
| 2Y |  |  |  |
| 3Y |  |  |  |
| 5Y |  |  |  |
| 7Y |  |  |  |
| 10Y |  |  |  |
| 15Y |  |  |  |
| 20Y |  |  |  |
| 30Y |  |  |  |
| Total | \$0 | \$0 | \$0 |

## Trading, PE \& Other Fair Value Assets Schedule

Firm Name
Auction Rate Securities (ARS)
CTRDH347

| Asset category CTRDH110 <br> Rating CTRDH111 <br> Maturity CTRDH112 | MV (\$MM) | $\begin{gathered} \text { DV01 } \\ \text { (\$K/-1 bp) } \end{gathered}$ | $\begin{gathered} \text { CS01 } \\ \text { (\$K/+1 bp spread } \\ \text { widening) } \end{gathered}$ |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
| Credit Card Auction Rate Securities (CARS) |  |  |  |
| AAA |  |  |  |
| AA |  |  |  |
| A |  |  |  |
| BBB |  |  |  |
| BB |  |  |  |
| B |  |  |  |
| <B |  |  |  |
| NR |  |  |  |
| Total | \$0 | \$0 | \$0 |
| 1M |  |  |  |
| 3M |  |  |  |
| 6M |  |  |  |
| 9M |  |  |  |
| 1Y |  |  |  |
| 2Y |  |  |  |
| $3 Y$ |  |  |  |
| 5Y |  |  |  |
| 7Y |  |  |  |
| 10Y |  |  |  |
| 15Y |  |  |  |
| 20Y |  |  |  |
| 30Y |  |  |  |
| Total | \$0 | \$0 | \$0 |

## Trading, PE \& Other Fair Value Assets Schedule

Firm Name
Auction Rate Securities (ARS)
CTRDH347

Asset category CTRDH110
Rating CTRDH111
Maturity CTRDH112

|  |  |
| :---: | :---: | :---: |
| MV (\$MM) | CS01 |
| (\$K / -1 bp) | (\$K/+1 bp spread <br> widening) |

Other / Unspecified Auction Rate Securities

| AAA |  |  |  |
| :---: | :---: | :---: | :---: |
| AA |  |  |  |
| A |  |  |  |
| BBB |  |  |  |
| BB |  |  |  |
| B |  |  |  |
| <B |  |  |  |
| NR |  |  |  |
| Total | \$0 | \$0 | \$0 |
| 1M |  |  |  |
| 3M |  |  |  |
| 6M |  |  |  |
| 9M |  |  |  |
| 1Y |  |  |  |
| $2 Y$ |  |  |  |
| 3Y |  |  |  |
| $5 Y$ |  |  |  |
| 7Y |  |  |  |
| 10Y |  |  |  |
| 15Y |  |  |  |
| 20Y |  |  |  |
| 30Y |  |  |  |
| Total | \$0 | \$0 | \$0 |

Submission Date:

## Trading, PE \& Other Fair Value Assets Schedule

Firm Name
Auction Rate Securities (ARS)
CTRDH347

Asset category CTRDH110
Rating CTRDH111
Maturity CTRDH112

| AAA | \$0 | \$0 | \$0 |
| :---: | :---: | :---: | :---: |
| AA | \$0 | \$0 | \$0 |
| A | \$0 | \$0 | \$0 |
| BBB | \$0 | \$0 | \$0 |
| BB | \$0 | \$0 | \$0 |
| B | \$0 | \$0 | \$0 |
| <B | \$0 | \$0 | \$0 |
| NR | \$0 | \$0 | \$0 |
| Total | \$0 | \$0 | \$0 |
| 1M | \$0 | \$0 | \$0 |
| 3M | \$0 | \$0 | \$0 |
| 6M | \$0 | \$0 | \$0 |
| 9M | \$0 | \$0 | \$0 |
| $1 Y$ | \$0 | \$0 | \$0 |
| $2 Y$ | \$0 | \$0 | \$0 |
| 3 Y | \$0 | \$0 | \$0 |
| $5 Y$ | \$0 | \$0 | \$0 |
| $7 Y$ | \$0 | \$0 | \$0 |
| 10Y | \$0 | \$0 | \$0 |
| 15Y | \$0 | \$0 | \$0 |
| 20Y | \$0 | \$0 | \$0 |
| 30Y | \$0 | \$0 | \$0 |
| Total | \$0 | \$0 | \$0 |


| Asset category CTRDH110 <br> Rating CTRDH111 <br> Maturity CTRDH112 |  |  | CSO1/\$K/+1 bp spread widening) |  |  |  |  |  |  |  | Profit/(Loss) in \$ $\mathbf{K}$ from a Relative (\%) Widening in Spreads |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | CTRDH119 |  |  |  |  |  |  |  | CTRDH115 |  |  |  |  |  |  |  |  |
|  | MV* (\$MM) | Notional (\$MM) | Total | CAD | CHF | EUR | GBP | JPY | USD | Other Currencies |  |  | 50\% | 100\% | 200\% | 300\% |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | 0\% |  |  |  |  | 400\% | 500\% |  |
|  | CTRDH117 | CTRDH120 |  |  |  |  | RDH1 |  |  |  |  |  |  |  | CTRD |  |  |  |  |
| Bonds |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AAA |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AA |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| A |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| ввв |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| вв |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| B |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| <B: Defaulted <br> <B: Not Defaulted |  |  | \$0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| <B: Not Defaulted <br> <B: Default Status Unknown |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| NR |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| Bonds Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 1M |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 3M |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 6M |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 9M |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 1 Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| $2 Y$ |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| $3 Y$ |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 5 Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 7Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 10Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 15Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 20Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 30Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| Bonds Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |


| AAA |  |  |
| :---: | :---: | :---: |
| AA |  |  |
| A |  |  |
| Bbв |  |  |
| BB |  |  |
| B |  |  |
| <B: Defaulted |  |  |
| <B: Not Defaulted <br> <B: Default Status Unknown |  |  |
|  |  |  |
| NR |  |  |
| Loans Total | \$0 | \$0 |
| 1M |  |  |
| 3M |  |  |
| 6M |  |  |
| 9M |  |  |
| 1 Y |  |  |
| $2 Y$ |  |  |
| 3 Y |  |  |
| 5 Y |  |  |
| 7 Y |  |  |
| 10Y |  |  |
| 15 Y |  |  |
| 20Y |  |  |
| 30Y |  |  |
| Loans Total | \$0 | \$0 |




| Profit/(Loss) in \$K from an Absolute Widening in Spreads (bps) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH116 |  |  |  |  |  |  |  |  |  |  |
| 0 bps | +1 bp | +50 bps | +100 bps | +500 bps | +1000 hps | +1500 bps | +2000 bps | +3000 bps | +4000 bps |  |
| CTRDH114 |  |  |  |  |  |  |  |  |  |  |

Asset category CTRDH11 Rating CTRDH111
Maturity CTRDH112

| Bonds |
| :---: |
| AAA |
| AA |
| A |
| BBB |
| BB |
| B |
| <B: Defaulted |
| <B: Not Defaulted |
| <B: Default Status Unknown |
| NR |
| Bonds Total |
| 1M |
| 3M |
| 6M |
| 9 M |
| 1 Y |
| 2 Y |
| 3 Y |
| $5 Y$ |
| 7Y |
| 10Y |
| 15 Y |
| 20Y |
| 30Y |
| Bonds Total |


| \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| O | \$0 |  |  |  |  |  |  |  |  |  |
| \$0 | \$0 |  |  |  |  |  |  |  |  |  |


|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |



\begin{abstract}


|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |




| AAA |  |  |
| :---: | :---: | :---: |
| AA |  |  |
| A |  |  |
| вBB |  |  |
| в ${ }^{\text {B }}$ |  |  |
| B |  |  |
| <B: Defaulted |  |  |
| <B: Not Defaulted <br> <B: Default Status Unknown |  |  |
|  |  |  |
| NR |  |  |
| Loan CDS Total | \$0 | \$0 |
| 1M |  |  |
| 3M |  |  |
| 6M |  |  |
| 9M |  |  |
| 1 Y |  |  |
| $2 Y$ |  |  |
| 3 Y |  |  |
| 5 Y |  |  |
| 7 Y |  |  |
| 10Y |  |  |
| 15Y |  |  |
| 20Y |  |  |
| 30Y |  |  |
| Loan CDS Total | \$0 | \$0 |






Asset category CTRDH110 Rating CTRDH111

## Single Name CDS



B
<B: Defaulted
<B: Defaulted
<B: Not Defaulted
<B: Not Defaulted
<B: Default Status Unknown

| <B: D |
| :--- |
| NR |

Single Name CDS Tota

| Single Name CDS Tot |
| ---: |
| 1 M |


| 1 M |
| :---: |
| 3 M |
| 6 M |
| 9 M |
| 1 Y |
| 2 Y |
| 3 Y |
| 5 Y |
| 7 Y |
| 10 Y |
| 15 Y |
| 2 Y |
| 30 Y |



|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |


| Loan CDS |
| :---: |
| AAA |
| AA |
| A |
| Bвв |
| BB |
| B |
| <B: Defaulted |
| <B: Not Defaulted |
| <B: Default Status Unknown |
| NR |
| Loan CDS Total |
| 1 M |
| 3M |
| 6M |
| 9M |
| $1 Y$ |
| $2 Y$ |
| $3 Y$ |
| 5 Y |
| $7 Y$ |
| 10Y |
| 15 Y |
| 20Y |
| 30Y |
| Loan CDS Total |



|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |


|  |  |  |  |  |  | 1㓌K/ | ead |  |  |  |  |  | Prof | in \$ K | Relativ | idenin | eads |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | CTRD |  |  |  |  |
| Asset category CTRDH110 <br> Rating CTRDH111 <br> Maturity CTRDH112 | MV* (\$MM) | Notional (\$MM) | Total | CAD | CHF | EUR | GBP | JPY | USD | Other Currencies |  | 0\% | 50\% | 100\% | 200\% | 300\% | 400\% | 500\% |  |
| Covered Bonds |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AAA |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| AA |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| A |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| BBB |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| вв |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| B |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| <B: Defaulted |  |  | \$0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <B: Not Defaulted |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| <B: Default Status Unknown |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| NR |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| Covered Bonds Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 1 M |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 3M |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 6M |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 9M |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 1 Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 2 Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 3 Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 5 Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 7Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 10Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 15Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 20Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 30 Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| Covered Bonds Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |


| CDXIG (Series 9) |  |  |
| :---: | :---: | :---: |
| CDXIG (On the run) |  |  |
| CDXIG (Other Series) |  |  |
| CDXHY |  |  |
| CDX Other |  |  |
| iTraxx Main |  |  |
| iTraxx XO |  |  |
| iTraxx Other |  |  |
| Loan Indices |  |  |
| Indices Total | \$0 | \$ |
| 1M |  |  |
| 3M |  |  |
| 6M |  |  |
| 9 M |  |  |
| 1 Y |  |  |
| 2Y |  |  |
| 3 Y |  |  |
| 5 Y |  |  |
| 7 Y |  |  |
| 10Y |  |  |
| 15Y |  |  |
| 20 Y |  |  |
| 30 Y |  |  |
| Indices Total | \$0 | \$ |


| $\$ 0$ |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $\$ 0$ |  |  |  |  |  |  |  |
| $\$ 0$ |  |  |  |  |  |  |  |
| $\$ 0$ |  |  |  |  |  |  |  |
| $\$ 0$ |  |  |  |  |  |  |  |
| $\$ 0$ |  |  |  |  |  |  |  |
| $\$ 0$ |  |  |  |  |  |  |  |
| $\$ 0$ |  |  |  |  |  |  |  |
| $\$ 0$ |  |  |  |  |  |  |  |
| $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ |
| $\$ 0$ |  |  |  |  |  |  |  |
| $\$ 0$ |  |  |  |  |  |  |  |
| $\$ 0$ |  |  |  |  |  |  |  |
| $\$ 0$ |  |  |  |  |  |  |  |
| $\$ 0$ |  |  |  |  |  |  |  |
| $\$ 0$ |  |  |  |  |  |  |  |
| $\$ 0$ |  |  |  |  |  |  |  |
| $\$ 0$ |  |  |  |  |  |  |  |
| $\$ 0$ |  |  |  |  |  |  |  |
| $\$ 0$ |  |  |  |  |  |  |  |
| $\$ 0$ |  |  |  |  |  |  |  |
| $\$ 0$ |  |  |  |  |  |  |  |
| $\$ 0$ |  |  |  |  |  |  |  |
| $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ |



## rading, PE \& Other Fair Value Asset

orporate Credit-Advanced Economie
TRDH347
Asset category CTRDH110 Maturity CTRDH112 Covered Bonds

| AAA |
| :--- |
| AA |
| A |
| BBB |
| BB |

B
<B: Defaulted
<B: Not Defaulted
<B: Default Status Unknown
NR
Covered Bonds Total

| 1 M |
| :---: |
| 3 M |
| 6 M |
| 9 M |
| 1 Y |
| 2 Y |
| 3 Y |
| 5 Y |
| 7 Y |
| 10 Y |
| 15 Y |
| 20 Y |
| 30 Y |


| Profit/(Loss) in \$K from an Absolute Widening in Spreads (bps) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH116 |  |  |  |  |  |  |  |  |  |  |
| 0 bps | +1 bp | +50 bps | +100 bps | +500 bps | +1000 bps | +1500 bps | +2000 bps | +3000 bps | +4000 bps |  |
| \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| \$0 | \$0 |  |  |  |  |  |  |  |  |  |


|  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |


| CDXIG (Series 9) |
| :--- |
| CDXIG (On the run) |
| CDXIG (Other Series) |
| CDX HY |
| CDXOther |
| iTraxx Main |
| iTraxx XO |
| iTraxx Other |
| Loan Indices |


|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |

Effective Date:
Submission Date

|  |  |  | CS01㙰K/+1 bp spread widening) |  |  |  |  |  |  |  | Profit/(Loss) in \$K from a Relative (\%) Widening in Spreads |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | CTRDH119 |  |  |  |  |  |  |  | CTRDH115 |  |  |  |  |  |  |  |  |
| Rating CTRDH111 <br> Maturity CTRDH112 | MV* (\$MM) | Notional (\$MM) | Total | CAD | CHF | EUR | GBP | JPY | USD | Other Currencies |  | 0\% | 50\% | 100\% | 200\% | 300\% | 400\% | 500\% |  |
| Index Tranches |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CDX IG (Series 9) |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| CDXIG (On the run) |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| CDXIG (Other Series) |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| CDX HY |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| CDX Other |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| iTraxx Main |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| iTraxx XO |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| iTraxx Other |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| Loan Indices |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| Index Tranches Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 1 M |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 3M |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 6M |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 9 M |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 1 Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| $2 Y$ |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| $3 Y$ |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 5 Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 7 Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 10Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 15Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 20Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 30 Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| Index Tranches Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |


|  |  |  |
| :---: | :---: | :---: |
| CDXIG (Series 9) CDXIG (On the run) |  |  |
| CDXIG (Other Series) |  |  |
| CDX HY |  |  |
| CDX Other |  |  |
| iTraxx Main |  |  |
| iTraxx XO |  |  |
| iTraxx OtherLoan Indices |  |  |
|  |  |  |
| Index Options Total | \$0 | \$0 |
| 1M |  |  |
| 3M |  |  |
| 6M |  |  |
| 9 M |  |  |
| 1 Y |  |  |
| 2Y |  |  |
| 3 Y |  |  |
| 5 Y |  |  |
| 7Y |  |  |
| 10Y |  |  |
| 15Y |  |  |
| 20Y |  |  |
| 30 Y |  |  |
| Index Options Total | \$0 | \$0 |






|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |


|  |  |  |  |  |  | 1 18\$ $\mathrm{F} /$ | ead |  |  |  |  |  | Prof | in \$K | Relativ | idenin | eads |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | CTRD |  |  |  |  |
| Rating CTRDH111 <br> Maturity CTRDH112 | MV* (\$MM) | Notional (\$MM) | Total | CAD | CHF | EUR | GBP | JPY | USD | Other Currencies |  | 0\% | 50\% | 100\% | 200\% | 300\% | 400\% | 500\% |  |
| Other / Unspecified |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AAA |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| AA |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| A |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| Bвв |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| вв |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| B |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| <B: Defaulted |  |  | \$0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <B: Not Defaulted |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| <B: Default Status Unknown |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| NR |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| Other / Unspecified Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 1M |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 3M |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 6M |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 9M |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 1Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 2Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 3 Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 5 Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 7 Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 10Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 15Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 20Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| 30 Y |  |  | \$0 |  |  |  |  |  |  |  |  | \$0 |  |  |  |  |  |  |  |
| Other / Unspecified Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |

rading, PE \& Other Fair Value Asset:
orporate Credit-Advanced Economie
TRDH347

rading, PE \& Other Fair Value Assets :
orporate Credit-Emerging Markets
TRDH347

| Asset category CTRDH110 <br> Rating CTRDH111 <br> Maturity CTRDH112 | Profit/(Loss) in \$K from an Absolute Widening in Spreads (bps) |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | CTRDH116 |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 0 bps | +1 bp | +50 bps | +100 bps | +500 bps | +1000 bps | +1500 bps | +2000 bps | +3000 bps | +4000 bps |  |
| Bonds CTRDH114 | CTRDH114 |  |  |  |  |  |  |  |  |  |  |  |
| AAA |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| AA |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| A |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| BBB |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| BB |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| B |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| <B: Defaulted |  |  |  |  |  |  |  |  |  |  |  |  |
| <B: Not Defaulted |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| <B: Default Status Unknown |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| NR |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| Bonds Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 1M |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 3M |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 6M |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 9M |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 1Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 2Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 3Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 5Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 7Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 10Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 15Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 20Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 30Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| Bonds Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |


rading, PE \& Other Fair Value Assets :
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Loans


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rading, PE \& Other Fair Value Assets :
orporate Credit-Emerging Markets
TRDH347

## Loan CDS



|  |  | $\begin{aligned} & \$ 0 \\ & \$ 0 \\ & \$ 0 \\ & \$ 0 \\ & \$ 0 \\ & \$ 0 \end{aligned}$ | $\begin{aligned} & \$ 0 \\ & \$ 0 \\ & \$ 0 \\ & \$ 0 \\ & \$ 0 \\ & \$ 0 \end{aligned}$ |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
|  |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| Loan CDS Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 1M |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 3M |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 6M |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 9M |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 1Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| $2 Y$ |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 3Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 5Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 7Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 10Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 15Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 20Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 30Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| Loan CDS Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |


| Effective Date: |
| :--- |
| Submission Date: |


rading, PE \& Other Fair Value Assets :
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rading, PE \& Other Fair Value Assets :
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TRDH347

Asset category CTRDH110
Rating CTRDH111
Maturity CTRDH112

## Indices

| ```CDX EM CDX Latam Corp CDX Other iTraxx Asia IG iTraxx Asia HY iTraxx CEEMEA Corp iTraxx Other Loan Indices``` |  | $\begin{aligned} & \$ 0 \\ & \$ 0 \\ & \$ 0 \\ & \$ 0 \\ & \$ 0 \\ & \$ 0 \\ & \$ 0 \\ & \$ 0 \end{aligned}$ | $\begin{aligned} & \$ 0 \\ & \$ 0 \\ & \$ 0 \\ & \$ 0 \\ & \$ 0 \\ & \$ 0 \\ & \$ 0 \\ & \$ 0 \end{aligned}$ |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Indices Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 1M |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 3M |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 6M |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 9M |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 1Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 2Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 3Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 5 Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 7Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 10Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 15Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 20Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 30Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| Indices Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |


rading, PE \& Other Fair Value Assets :
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Asset category CTRDH110
Rating CTRDH111
Maturity CTRDH112

## Index Tranches

| CDX EM |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CDX Latam Corp |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| CDX Other |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| iTraxx Asia IG |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| iTraxx Asia HY |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| iTraxx CEEMEA Corp |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| iTraxx Other |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| Loan Indices |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| Index Tranches Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 1M |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 3M |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 6M |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 9M |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 1Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| $2 Y$ |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 3Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 5Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 7Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 10Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 15Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 20Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| 30Y |  | \$0 | \$0 |  |  |  |  |  |  |  |  |  |
| Index Tranches Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |


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orporate Credit-Emerging Markets
TRDH347

Asset category CTRDH110
Rating CTRDH111
Maturity CTRDH112

## Index Options



rading, PE \& Other Fair Value Assets :
orporate Credit-Emerging Markets
TRDH347






CTRDH122

| Bulgaria |
| :--- |
| Croatia |
| Czech Republic |
| Hungary |
| Iceland |
| Latvia |
| Lithuania |
| Poland |
| Romania |
| Russia |
| Ukraine |
| Other |
| Emerging Europe |

Emerging Europe

| Argentina |
| :--- |
| Brazil |
| Chile |
| Colombia |
| Mexico |
| Panama |
| Peru |
| Venezuela |
| Other |

Latin America \& Caribbean

## China

Hong Kong
India
Indonesia
Kazakhstan
Malaysia
Philippines
Singapore
South Korea
Taiwan
Thailand
Vietnam
Other
Asia Ex-Japan




CTRDH122

| Bahrain |
| :--- |
| Dubai |
| Egypt |
| Israel |
| Jordan |
| Kuwait |
| Lebanon |
| Qatar |
| Saudi Arabia |
| Turkey |
| United Arab Emirates |
| Other |
| Middle East / North Africa |




| Base Correlation Sensitivities (\$K / +1\% absolute shift in base correlation) <br> CTRDH134 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CDXIG <br> CTRDH132 | $3 Y$ | 5Y | 7Y | 10Y | Other | Total |
| CTRDH133 | CTRDH412 |  |  |  |  |  |
| 3\% |  |  |  |  |  | \$0 |
| 7\% |  |  |  |  |  | \$0 |
| 10\% |  |  |  |  |  | \$0 |
| 15\% |  |  |  |  |  | \$0 |
| 30\% |  |  |  |  |  | \$0 |
| 100\% |  |  |  |  |  | \$0 |
| Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |


| CDX HY <br> CTRDH132 | $3 Y$ | $5 Y$ | 7Y | 10Y | Other | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH133 | CTRDH412 |  |  |  |  |  |
| 10\% |  |  |  |  |  | \$0 |
| 15\% |  |  |  |  |  | \$0 |
| 25\% |  |  |  |  |  | \$0 |
| 35\% |  |  |  |  |  | \$0 |
| 100\% |  |  |  |  |  | \$0 |
| Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |


| CDX Other CTRDH132 | 3Y | $5 Y$ | 7 Y | 10Y | Other | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH133 | CTRDH412 |  |  |  |  | \$0$\$ 0$ |
| Equity Mezzanine Super Senior |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  | \$0 |
| Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |


| iTraxx Main CTRDH132 | $3 Y$ | $5 Y$ | 7Y | 10Y | Other | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH133 | CTRDH412 |  |  |  |  |  |
| 3\% |  |  |  |  |  | \$0 |
| 6\% |  |  |  |  |  | \$0 |
| 9\% |  |  |  |  |  | \$0 |
| 12\% |  |  |  |  |  | \$0 |
| 22\% |  |  |  |  |  | \$0 |
| 100\% |  |  |  |  |  | \$0 |
| Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |

## Positions

| Index Products Only |  |  |  |
| :---: | :---: | :---: | :---: |
| $\begin{gathered} \hline \text { MV - longs* } \\ \text { (\$MM) } \end{gathered}$ | MV - shorts* (\$MM) | Notional* longs (\$MM) | Notional* shorts (\$MM) |
| CTRDH140 | CTRDH141 | CTRDH142 | CTRDH143 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| \$0 | \$0 | \$0 | \$0 |





## Table A

CTRDH148
Single name products (bonds, loans, single name CDS) without decomposition into single name equivalents Corporate Credit-Advanced Economies

| Rating CTRDH150 | CTRDH149 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Single name Products | $\begin{aligned} & \hline \text { MV - } \\ & \text { longs* } \\ & \text { (\$MM) } \end{aligned}$ | $\begin{aligned} & \text { MV - } \\ & \text { shorts* } \\ & \text { (\$MM) } \end{aligned}$ | MV - net* (\$MM) | Notional* longs (\$MM) | Notional ${ }^{*}$ <br> shorts <br> (\$MM) | Notional net (\$MM) |
|  | CTRDH151 | CTRDH152 | CTRDH153 | CTRDH154 | CTRDH155 | CTRDH156 |
| AAA |  |  | \$0 |  |  | \$0 |
| AA |  |  | \$0 |  |  | \$0 |
| A |  |  | \$0 |  |  | \$0 |
| BBB |  |  | \$0 |  |  | \$0 |
| BB |  |  | \$0 |  |  | \$0 |
| B |  |  | \$0 |  |  | \$0 |
| <B: Defaulted |  |  | \$0 |  |  | \$0 |
| <B: Not Defaulted |  |  | \$0 |  |  | \$0 |
| <B: Default Status Unknown |  |  | \$0 |  |  | \$0 |
| NR |  |  | \$0 |  |  | \$0 |
| Single Name Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |


| MV - <br> longs* <br> (\$MM) | MV - <br> shorts* <br> (\$MM) | MV - net* <br> (\$MM) | Notional* <br> longs <br> (\$MM) | Notional* <br> shorts <br> (\$MM) | Notional - <br> net (\$MM) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH151 | CTRDH152 | CTRDH153 | CTRDH154 | CTRDH155 | CTRDH156 |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
| $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ |

IDR-Corporate Credit
Table B
CTRDH148 Index Products: Total before decomposition into underlying single name exposures

|  | Indices <br> CTRDH149 |  |  |  |  |  | Index Tranches CTRDH149 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Index Products | MV longs* (\$MM) | MV shorts* (\$MM) | $\begin{gathered} \text { MV - net* } \\ \text { (\$MM) } \end{gathered}$ | Notional* longs (\$MM) | Notional ${ }^{*}$ shorts (\$MM) | Notional net (\$MM) | $\begin{aligned} & \text { MV - } \\ & \text { longs* } \\ & \text { (\$MM) } \end{aligned}$ | MV shorts* (\$MM) | MV - net* (\$MM) | Notional ${ }^{*}$ longs (\$MM) | Notional* shorts (\$MM) | Notional net (\$MM) |
|  | CTRDH151 | CTRDH152 | CTRDH153 | CTRDH154 | CTRDH155 | CTRDH156 | CTRDH151 | CTRDH152 | CTRDH153 | CTRDH154 | CTRDH155 | CTRDH156 |
| CDX IG |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| CDX HY |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| CDX Other |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| iTraxx Main |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| iTraxx XO |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| iTraxx Other |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| Loan Indices |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| Index Products Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |

IDR-Corporate Credit
Table B
CTRDH148

|  | Index Options <br> CTRDH149 |  |  |  |  |  | Bespoke <br> CTRDH149 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Index Products | $\begin{aligned} & \text { MV - } \\ & \text { longs* } \\ & \text { (\$MM) } \end{aligned}$ |  | MV - net* (\$MM) | $\begin{array}{\|c\|} \hline \begin{array}{c} \text { Notional* } \\ \text { longs } \\ \text { (\$MM) } \end{array} \\ \hline \end{array}$ | $\begin{array}{\|c} \hline \begin{array}{c} \text { Notional* } \\ \text { shorts } \end{array} \\ \text { (\$MM) } \\ \hline \end{array}$ | Notional net (\$MM) |  | MV shorts* (\$MM) | MV - net* <br> (\$MM) | $\begin{array}{\|c} \hline \text { Notional* } \\ \text { longs } \\ \text { (\$MM) } \\ \hline \end{array}$ | $\begin{array}{\|c} \hline \begin{array}{c} \text { Notional* } \\ \text { shorts } \end{array} \\ \text { (\$MM) } \\ \hline \end{array}$ | Notional - <br> net (\$MM) |
|  | CTRDH151 | CTRDH152 | CTRDH153 | CTRDH154 | CTRDH155 | CTRDH156 | CTRDH151 | CTRDH152 | CTRDH153 | CTRDH154 | CTRDH155 | CTRDH156 |
| CDX IG |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| CDX HY |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| CDX Other |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| iTraxx Main |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| iTraxx XO |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| iTraxx Other |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| Loan Indices |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| Index Products Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |

Trading, PE \& Other Fair Value Assets Schedule
IDR-Corporate Credit
Table C Corporate Credit-Advanced Economies CTRDH148 CTRDH149

| Other / Unspecified | $\begin{aligned} & \text { MV - } \\ & \text { longs* } \\ & \text { (\$MM) } \end{aligned}$ | MV shorts* (\$MM) | $\begin{gathered} \text { MV - net* } \\ \text { (\$MM) } \\ \hline \end{gathered}$ | $\begin{array}{\|c\|} \hline \text { Notional* } \\ \text { longs } \\ \text { (\$MM) } \\ \hline \end{array}$ | Notional ${ }^{*}$ shorts (\$MM) | Notional - <br> net (\$MM) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | CTRDH151 | CTRDH152 | CTRDH153 | CTRDH154 | CTRDH155 | CTRDH156 |
| AAA |  |  | \$0 |  |  | \$0 |
| AA |  |  | \$0 |  |  | \$0 |
| A |  |  | \$0 |  |  | \$0 |
| BBB |  |  | \$0 |  |  | \$0 |
| BB |  |  | \$0 |  |  | \$0 |
| B |  |  | \$0 |  |  | \$0 |
| <B: Defaulted |  |  | \$0 |  |  | \$0 |
| <B: Not Defaulted |  |  | \$0 |  |  | \$0 |
| <B: Default Status Unknown |  |  | \$0 |  |  | \$0 |
| NR |  |  | \$0 |  |  | \$0 |
| Other Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |

## Corporate Credit-Emerging Markets

CTRDH149

| MV - <br> longs* <br> (\$MM) | MV - <br> shorts* <br> (\$MM) | MV-net* <br> (\$MM) | Notional* <br> longs <br> (\$MM) | Notional* $^{*}$ <br> shorts <br> (\$MM) | Notional - <br> net (\$MM) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH151 | CTRDH152 | CTRDH153 | CTRDH154 | CTRDH155 | CTRDH156 |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ |

Memorandum Tables
Memorandum Single name products (bonds, loans, single name CDS) and underlying equivalent single name exposures from decomposition of all other products
Table D
Table D Corporate Credit-Advanced Economies Corporate Credit-Emerging Markets

| CTRDH148 | CTRDH149 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Single name and decomposed/unbundled exposures | MV longs* (\$MM) | MV shorts* (\$MM) | MV - net* (\$MM) | Notional* longs (\$MM) | Notional* <br> shorts <br> (\$MM) | Notional - <br> net (\$MM) |
|  | CTRDH151 | CTRDH152 | CTRDH153 | CTRDH154 | CTRDH155 | CTRDH156 |
| AAA |  |  | \$0 |  |  | \$0 |
| AA |  |  | \$0 |  |  | \$0 |
| A |  |  | \$0 |  |  | \$0 |
| BBB |  |  | \$0 |  |  | \$0 |
| BB |  |  | \$0 |  |  | \$0 |
| B |  |  | \$0 |  |  | \$0 |
| <B: Defaulted |  |  | \$0 |  |  | \$0 |
| <B: Not Defaulted |  |  | \$0 |  |  | \$0 |
| <B: Default Status Unknown |  |  | \$0 |  |  | \$0 |
| NR |  |  | \$0 |  |  | \$0 |
| Single Name Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |


| MV - <br> longs* <br> (\$MM) | MV - <br> shorts* <br> (\$MM) | MV - net* <br> (\$MM) | Notional* $^{\text {longs }}$ <br> (\$MM) | Notional* <br> shorts <br> (\$MM) | Notional - <br> net (\$MM) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH151 | CTRDH152 | CTRDH153 | CTRDH154 | CTRDH155 | CTRDH156 |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
| $\mathbf{\$ 0}$ | $\mathbf{\$ 0}$ | $\mathbf{\$ 0}$ | $\mathbf{\$ 0}$ | $\$ 0$ | $\$ 0$ |

Memorandum Single name products (bonds, loans, single name CDS) and underlying equivalent single name exposures from decomposition of non-tranched index products (i.e. indices and index options only)

| Table E CTRDH148 | Corporate Credit-Advanced Economies CTRDH149 |  |  |  |  |  | Corporate Credit-Emerging Markets CTRDH149 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Single name exposures and unbundled indices | $\begin{aligned} & \hline \text { MV - } \\ & \text { longs* } \\ & \text { (\$MM) } \end{aligned}$ |  | $\begin{array}{\|c\|} \hline \text { MV - net* } \\ \text { (\$MM) } \\ \hline \end{array}$ | $\begin{gathered} \hline \text { Notional* } \\ \text { longs } \\ \text { (\$MM) } \\ \hline \end{gathered}$ | Notional* shorts (\$MM) | Notional - <br> net (\$MM) | $\begin{gathered} \hline \text { MV - } \\ \text { longs* } \\ \text { (\$MM) } \\ \hline \end{gathered}$ | MV - shorts* (\$MM) | MV - net* (\$MM) | $\begin{gathered} \begin{array}{c} \text { Notional* } \\ \text { longs } \\ \text { (\$MM) } \end{array} \\ \hline \end{gathered}$ | $\begin{gathered} \hline \begin{array}{c} \text { Notional* } \end{array} \\ \text { shorts } \\ \text { (\$MM) } \\ \hline \end{gathered}$ | Notional net (\$MM) |
|  | CTRDH151 | CTRDH152 | CTRDH153 | CTRDH154 | CTRDH155 | CTRDH156 | CTRDH151 | CTRDH152 | CTRDH153 | CTRDH154 | CTRDH155 | CTRDH156 |
| AAA |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| AA |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| A |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| BBB |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| BB |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| B |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| <B: Defaulted |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| <B: Not Defaulted |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| <B: Default Status Unknown |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| NR |  |  | \$0 |  |  | \$0 |  |  | \$0 |  |  | \$0 |
| Unbundled Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |

IDR-Corporate Credit
Memorandum
Table F

| Memorandum | Remainin | ex Produ | eported | Table B th | ere not | mposed int |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Table F |  |  | Ind | ces |  |  |
| CTRDH148 |  |  | CTRD | H149 |  |  |
| Index Products that were not unbundled | MV longs* (\$MM) | MV shorts* (\$MM) | MV - net* (\$MM) | Notional* longs (\$MM) | Notional* <br> shorts <br> (\$MM) | Notional - <br> net (\$MM) |
|  | CTRDH151 | CTRDH152 | CTRDH153 | CTRDH154 | CTRDH155 | CTRDH156 |
| CDX IG |  |  | \$0 |  |  | \$0 |
| CDX HY |  |  | \$0 |  |  | \$0 |
| CDX Other |  |  | \$0 |  |  | \$0 |
| iTraxx Main |  |  | \$0 |  |  | \$0 |
| iTraxx XO |  |  | \$0 |  |  | \$0 |
| iTraxx Other |  |  | \$0 |  |  | \$0 |
| Loan Indices |  |  | \$0 |  |  | \$0 |
| Index Products Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |

## Index Tranches

| MV - <br> longs* <br> (\$MM) | MV - <br> shorts* <br> (\$MM) | MV-net* <br> (\$MM) | Notional* $^{*}$ <br> longs <br> (\$MM) | Notional* <br> shorts <br> (\$MM) | Notional - <br> net (\$MM) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH151 | CTRDH152 | CTRDH153 | CTRDH154 | CTRDH155 | CTRDH156 |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
| $\$ 0$ | $\$ 0$ | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ | $\$ 0$ | $\$ 0$ |  |

Trading, PE \& Other Fair Value As
IDR-Corporate Credit
Memorandum

Effective Date:
Submission Date:

Table F

| Index Products that were not unbundled | MV - <br> longs* <br> (\$MM) | MV - <br> shorts* <br> (\$MM) | MV - net* <br> (\$MM) | $\begin{array}{\|c\|} \hline \text { Notional* } \\ \text { longs } \\ \text { (\$MM) } \\ \hline \end{array}$ | Notional* shorts <br> (\$MM) | Notional net (\$MM) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | CTRDH151 | CTRDH152 | CTRDH153 | CTRDH154 | CTRDH155 | CTRDH156 |
| CDX IG |  |  | \$0 |  |  | \$0 |
| CDX HY |  |  | \$0 |  |  | \$0 |
| CDX Other |  |  | \$0 |  |  | \$0 |
| iTraxx Main |  |  | \$0 |  |  | \$0 |
| iTraxx XO |  |  | \$0 |  |  | \$0 |
| iTraxx Other |  |  | \$0 |  |  | \$0 |
| Loan Indices |  |  | \$0 |  |  | \$0 |
| Index Products Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |

Bespoke
CTRDH149

| MV - <br> longs* <br> (\$MM) | MV - <br> shorts* <br> (\$MM) | MV-net* <br> (\$MM) | Notional* <br> longs <br> (\$MM) | Notional* <br> shorts <br> (\$MM) | Notional - <br> net (\$MM) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH151 | CTRDH152 | CTRDH153 | CTRDH154 | CTRDH155 | CTRDH156 |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
| $\$ \mathbf{0}$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ |

IDR-Corporate Credit
Memorandum
Table G
CTRDH148

| Other / Unspecified that were not unbundled | MV longs* (\$MM) |  | MV - net* (\$MM) | Notional* longs (\$MM) | $\begin{array}{\|c\|} \hline \text { Notional* } \\ \text { shorts } \\ \text { (\$MM) } \end{array}$ | Notional net (\$MM) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | CTRDH151 | CTRDH152 | CTRDH153 | CTRDH154 | CTRDH155 | CTRDH156 |
| AAA |  |  | \$0 |  |  | \$0 |
| AA |  |  | \$0 |  |  | \$0 |
| A |  |  | \$0 |  |  | \$0 |
| BBB |  |  | \$0 |  |  | \$0 |
| BB |  |  | \$0 |  |  | \$0 |
| B |  |  | \$0 |  |  | \$0 |
| <B: Defaulted |  |  | \$0 |  |  | \$0 |
| <B: Not Defaulted |  |  | \$0 |  |  | \$0 |
| <B: Default Status Unknown |  |  | \$0 |  |  | \$0 |
| NR |  |  | \$0 |  |  | \$0 |
| Other Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |

Corporate Credit-Advanced Economies

## CTRDH149

\$0

Remaining Other Products reported in the Table C that were not decomposed into equivalent single name exposures (i.e. not included in Table D)

Corporate Credit-Emerging Markets

| MV - <br> longs* <br> (\$MM) | MV - <br> shorts* <br> (\$MM) | MV - net* <br> (\$MM) | Notional* $^{\text {(\$0ngs }}$ <br> (\$MM) | Notional* <br> shorts <br> (\$MM) | Notional - <br> net (\$MM) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| CTRDH151 | CTRDH152 | CTRDH153 | CTRDH154 | CTRDH155 | CTRDH156 |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ |  |  | $\$ 0$ |
|  |  | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ |


| Issuers to wh | long expo | RDH157 |  |  |  | Issuers to wh | short exposu | RDH157 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Recovery |  |  |  |  |  | Recovery |  |
| Issuer Name | Country | Industry | Rating | Rate | JTD (\$MM) | Issuer Name | Country | Industry | Rating | Rate | JTD (\$MM) |
| CTRDH158 | CTRDH159 | CTRDH160 | CTRDH161 | CTRDH162 | CTRDH163 | CTRDH158 | CTRDH159 | CTRDH160 | CTRDH161 | CTRDH162 | CTRDH163 |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |

Total for AAA-Rated Issuers
Total for AA-Rated Issuers
Total for A-Rated Issuers
Total for BBB-Rated Issuers
Total for BB-Rated Issuers
Total for B-Rated Issuers
Total for Below B-Rated Issuers: Defaulted
Total for Below B-Rated Issuers: Not Defaulted
Total for Below B-Rated Issuers: Default Status Unknown
Total for Unrated Issuers

|  | Total for AAA-Rated Issuers |
| :--- | :--- |
|  | Total for AA-Rated Issuers |
|  | Total for A-Rated Issuers |
|  | Total for BBB-Rated Issuers |
|  | Total for BB-Rated Issuers |
|  | Total for B-Rated Issuers |
|  | Total for Below B-Rated Issuers: Defaulted |
|  | Total for Below B-Rated Issuers: Not Defaulted |
|  | Total for Below B-Rated Issuers: Default Status Unknown |
|  | Total for Unrated Issuers |



Grand Total

|  |  |  | Carry Value (\$MM) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | CTRDH168 |  |  |  |  |  |
| Sector | GICS Code | Industry Group | Global | United States | Western Europe | Other Developed Markets | Emerging <br> Markets | Unspecified Geography |
| CTRDH165 | CTRDH164 | CTRDH166 |  |  |  | H167 |  |  |


| Energy | 1010 | Energy |  |  |
| :--- | :---: | :--- | :--- | :--- |
|  |  |  |  |  |
| Materials | 1510 | Materials |  |  |
|  |  |  |  |  |
| Industrials | 2010 | Capital Goods |  |  |
| Industrials | 2020 | Commercial Services \& Supplies |  |  |
| Industrials | 2030 | Transportation |  |  |
| Industrials | 20 | Unspecified |  |  |
| Industrials | $\mathbf{2 0}$ | Total |  |  |


| Consumer Discretionary | 2510 | Automobiles \& Components |  |
| :--- | :---: | :--- | :--- |
| Consumer Discretionary | 2520 | Consumer Durables \& Apparel |  |
| Consumer Discretionary | 2530 | Consumer Services |  |
| Consumer Discretionary | 2540 | Media |  |
| Consumer Discretionary | 2550 | Retailing |  |
| Consumer Discretionary | 25 | Unspecified |  |
| Consumer Discretionary | $\mathbf{2 5}$ | Total |  |


| Consumer Staples | 3010 | Food \& Staples Retailing |  |
| :--- | :---: | :--- | :--- |
| Consumer Staples | 3020 | Food, Beverage \& Tobacco |  |
| Consumer Staples | 3030 | Household \& Personal Products |  |
| Consumer Staples | 30 | Unspecified |  |
| Consumer Staples | $\mathbf{3 0}$ | Total |  |


| Health Care | 3510 | Health Care Equipment \& Svcs |  |
| :--- | :---: | :--- | :--- |
| Health Care | 3520 | Pharma., Bio. \& Life Sciences |  |
| Health Care | 35 | Unspecified |  |
| Health Care | 35 | Total |  |


| Financials (excl Real Estate) | 4010 | Banks |
| :--- | :--- | :--- |
| Financials (excl Real Estate) | 4020 | Diversified Financials |
| Financials (excl Real Estate) | 4030 | Insurance |
| Financials (excl Real Estate) |  | Unspecified |
| Financials (excl Real Estate) | Total |  |


| \$0 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| \$0 |  |  |  |  |  |
| \$0 |  |  |  |  |  |
| \$0 |  |  |  |  |  |
| \$0 |  |  |  |  |  |
| \$0 |  |  |  |  |  |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  |  |  |  |  |
| \$0 |  |  |  |  |  |
| \$0 |  |  |  |  |  |
| \$0 |  |  |  |  |  |
| \$0 |  |  |  |  |  |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  |  |  |  |  |
| \$0 |  |  |  |  |  |
| \$0 |  |  |  |  |  |
| \$0 |  |  |  |  |  |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  |  |  |  |  |
| \$0 |  |  |  |  |  |
| \$0 |  |  |  |  |  |
| \$0 |  |  |  |  |  |
| \$0 |  |  |  |  |  |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |


|  |  | Carry Value (\$MM) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | CTRDH168 |  |  |  |  |  |
| Sector | GICS Code Industry Group | Global | United States | Western Europe | Other Developed Markets | Emerging Markets | Unspecified Geography |


| Real Estate | 4040 | Core/Existing: Office | \$0 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Real Estate | 4040 | Core/Existing: Retail | \$0 |  |  |  |  |  |
| Real Estate | 4040 | Core/Existing: Multi-Family | \$0 |  |  |  |  |  |
| Real Estate | 4040 | Core/Existing: Hotel | \$0 |  |  |  |  |  |
| Real Estate | 4040 | Core/Existing: Other | \$0 |  |  |  |  |  |
| Real Estate | 4040 | Opportunistic / Development | \$0 |  |  |  |  |  |
| Real Estate | 4040 | Unspecified | \$0 |  |  |  |  |  |
| Real Estate | 4040 | Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  |  |  |  |  |  |  |  |
| Information Technology | 4510 | Software \& Services | \$0 |  |  |  |  |  |
| Information Technology | 4520 | Technology Hardware \& Equipment | \$0 |  |  |  |  |  |
| Information Technology | 4530 | Semicondt. \& Semicondt. Equip. | \$0 |  |  |  |  |  |
| Information Technology | 45 | Unspecified | \$0 |  |  |  |  |  |
| Information Technology | 45 | Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  |  |  |  |  |  |  |  |
| Telecommunication | 5010 | Telecommunication Services | \$0 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| Utilities | 5510 | Utilities | \$0 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| Unspecified Sector/Industry | N/A | Minority Interest in Hedge Funds | \$0 |  |  |  |  |  |
| Unspecified Sector/Industry | N/A | Fund Seed Capital | \$0 |  |  |  |  |  |
| Unspecified Sector/Industry | N/A | Infrastructure Funds | \$0 |  |  |  |  |  |
| Unspecified Sector/Industry | N/A | Other Unspecified Sector/Industry | \$0 |  |  |  |  |  |
| Unspecified Sector / Industry | N/A | Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  |  |  |  |  |  |  |  |
| Funded Total |  |  | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  |  |  |  |  |  |  |  |
| Unfunded commitments (\$MM) |  |  | \$0 |  |  |  |  |  |


|  |  |  |  |  | ir Value (\$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sector | GICS Code | Industry Group | Global | Unite | tates <br> 167 |  |  |
|  |  |  |  | Equity | Debt | Equity | Debt |
| CTRDH165 | CTRDH164 | CTRDH166 |  | CTRDH169 | CTRDH170 | CTRDH169 | CTRDH170 |
|  |  |  |  |  |  |  |  |
| Energy | 1010 | Energy | \$0 |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Materials | 1510 | Materials | \$0 |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Industrials | 2010 | Capital Goods | \$0 |  |  |  |  |
| Industrials | 2020 | Commercial Services \& Supplies | \$0 |  |  |  |  |
| Industrials | 2030 | Transportation | \$0 |  |  |  |  |
| Industrials | 20 | Unspecified | \$0 |  |  |  |  |
| Industrials | 20 | Total | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  |  |  |  |  |  |  |
| Consumer Discretionary | 2510 | Automobiles \& Components | \$0 |  |  |  |  |
| Consumer Discretionary | 2520 | Consumer Durables \& Apparel | \$0 |  |  |  |  |
| Consumer Discretionary | 2530 | Consumer Services | \$0 |  |  |  |  |
| Consumer Discretionary | 2540 | Media | \$0 |  |  |  |  |
| Consumer Discretionary | 2550 | Retailing | \$0 |  |  |  |  |
| Consumer Discretionary | 25 | Unspecified | \$0 |  |  |  |  |
| Consumer Discretionary | 25 | Total | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  |  |  |  |  |  |  |
| Consumer Staples | 3010 | Food \& Staples Retailing | \$0 |  |  |  |  |
| Consumer Staples | 3020 | Food, Beverage \& Tobacco | \$0 |  |  |  |  |
| Consumer Staples | 3030 | Household \& Personal Products | \$0 |  |  |  |  |
| Consumer Staples | 30 | Unspecified | \$0 |  |  |  |  |
| Consumer Staples | 30 | Total | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  |  |  |  |  |  |  |
| Health Care | 3510 | Health Care Equipment \& Svcs | \$0 |  |  |  |  |
| Health Care | 3520 | Pharma., Bio. \& Life Sciences | \$0 |  |  |  |  |
| Health Care | 35 | Unspecified | \$0 |  |  |  |  |
| Health Care | 35 | Total | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  |  |  |  |  |  |  |
| Financials (excl Real Estate) | 4010 | Banks | \$0 |  |  |  |  |
| Financials (excl Real Estate) | 4020 | Diversified Financials | \$0 |  |  |  |  |
| Financials (excl Real Estate) | 4030 | Insurance | \$0 |  |  |  |  |
| Financials (excl Real Estate) |  | Unspecified | \$0 |  |  |  |  |
| Financials (excl Real Estate) |  | Total | \$0 | \$0 | \$0 | \$0 | \$0 |

## Trading, PE \& Other Fair Value Assets Schedule

Other Fair Value Assets

## Firm Name

|  | GICS Code | Industry Group | Fair Value (\$MM) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sector |  |  | Global | United States CTRDH167 |  | $\begin{aligned} & \text { Non-US } \\ & \text { CTRDH167 } \end{aligned}$ |  |
|  |  |  |  | Equity | Debt | Equity | Debt |


| Real Estate | 4040 | Core/Existing: Office | \$0 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Real Estate | 4040 | Core/Existing: Retail | \$0 |  |  |  |  |
| Real Estate | 4040 | Core/Existing: Multi-Family | \$0 |  |  |  |  |
| Real Estate | 4040 | Core/Existing: Hotel | \$0 |  |  |  |  |
| Real Estate | 4040 | Core/Existing: Other | \$0 |  |  |  |  |
| Real Estate | 4040 | Opportunistic / Development | \$0 |  |  |  |  |
| Real Estate | 4040 | Unspecified | \$0 |  |  |  |  |
| Real Estate | 4040 | Total | \$0 | \$0 | \$0 | \$0 | \$0 |


| Information Technology | 4510 | Software \& Services | \$0 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Information Technology | 4520 | Technology Hardware \& Equipment | \$0 |  |  |  |  |
| Information Technology | 4530 | Semicondt. \& Semicondt. Equip. | \$0 |  |  |  |  |
| Information Technology | 45 | Unspecified | \$0 |  |  |  |  |
| Information Technology | 45 | Total | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  |  |  |  |  |  |  |
| Telecommunication | 5010 | Telecommunication Services | \$0 |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Utilities | 5510 | Utilities | \$0 |  |  |  |  |


| Tax Credits Tax Credits Tax Credits | $\begin{aligned} & \hline \mathrm{N} / \mathrm{A} \\ & \mathrm{~N} / \mathrm{A} \\ & \mathrm{~N} / \mathrm{A} \\ & \hline \end{aligned}$ | Section 42 Housing Credits <br> Section 45 Alternative Energy Investments Other Tax Credits | $\begin{aligned} & \hline \$ 0 \\ & \$ 0 \\ & \$ 0 \\ & \hline \end{aligned}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | \$0 |
| Tax Credits | N/A | Total | \$0 | \$0 | \$0 | \$0 |  |
| BOLI, COLI, and Stable Value Wraps | N/A | BOLI, COLI, and Stable Value Wraps | \$0 |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Unspecified Sector/Industry | N/A | Other Unspecified Sector/Industry | \$0 |  |  |  |  |

Please indicate if deposits are $\mathbf{2 5 \%}$ or more of total liabilities
Net Interest Income Designation Field - Populated Automatically

## \$Millions

Net Interest Income by Business Segment: (17)

## Total Net Interest Income (1)

## Non Interest Income by Business Segment: (17)

Retail and Small Business
Domestic (11)
Credit and Charge Cards (10)

## Mortgages

Home Equity
Retail and Small Business Deposits
Other Retail and Small Business Lending
International Retail and Small Business (16)
Commercial Lending
Investment Banking
Merchant Banking / Private Equity
Sales and Trading
Prime Brokerage
Other
Investment Management
Investment Services
Treasury Services
Insurance Services
Retirement / Corporate Benefits Products
Corporate / Other
Optional Immaterial Business Segments (7)

## Retail and Small Business

Domestic
Credit and Charge Cards (10)
Credit and Charge Card Interchange Revenues - Gross Other
Mortgages and Home Equity
Production
Gains/(Losses) on Sale (18)
Other
Servicing
Servicing \& Ancillary Fees
MSR Amortization (20) Hedge Performance (19)(21)

Other

Representations and Warranties (contra-revenue) (12)
Retail and Small Business Deposits
Non Sufficient Funds / Overdraft Fees - Gross
Debit Interchange - Gross
Other (22)
Other Retail and Small Business Lending
International Retail and Small Business (16)
Commercial Lending

## FR Y9C Codes



MSR Value Changes due to Changes in Assumptions/Model Inputs/Other Net of

Provisions to Repurchase Reserve / Liability for Residential Mortgage

| 16 | Investment Banking | - |
| :---: | :---: | :---: |
| 16A | Advisory |  |
| 16B | Equity Capital Markets |  |
| 16C | Debt Capital Markets |  |
| 16D | Syndicated / Corporate Lending |  |
| 17 | Merchant Banking / Private Equity | - |
| 17A | Net Investment Mark-to-Market |  |
| 17B | Management Fees |  |
| 17C | Other |  |
| 18 | Sales and Trading | - |
| 18A | Equities | - |
| 18B | Commission and Fees |  |
| 18C | Other (23) |  |
| 18D | Fixed Income | - |
| 18E | Rates |  |
| 18F | Credit |  |
| 18G | Other |  |
| 18H | Commodities | - |
| 181 | Commission and Fees |  |
| 18J | Other |  |
| 18K | Prime Brokerage | - |
| 18L | Commission and Fees |  |
| 18M | Other |  |
| 19 | Investment Management | - |
| 19A | Asset Management |  |
| 19B | Wealth Management / Private Banking |  |
| 20 | Investment Services | - |
| 20A | Asset Servicing | - |
| 20B | Securities Lending |  |
| 20C | Other |  |
| 20D | Issuer Services |  |
| 20E | Other |  |
| 21 | Treasury Services |  |
| 22 | Insurance Services |  |
| 23 | Retirement / Corporate Benefits Products |  |
| 24 | Corporate / Other |  |
| 25 | Optional Immaterial Business Segments (7) |  |
| 26 | Total Non-Interest Income (2) (26) | - |
| 27 | Total Revenues | - |



| 39 | Actual PPNR (5) | ВНСК4074+BHCK4 <br> 079- <br> BHCK4093+BHCKC <br> 216-Line Item \#40 | - |
| :---: | :---: | :---: | :---: |
| 40 | Valuation Adjustment for firm's own debt under fair value option (FVO) (9) (27) |  |  |
| 41 | Goodwill Impairment | BHCKC216 |  |
| 42 | Loss resulting from trading shock exercise (if applicable) (24) (25) |  | - |

## Footnotes to the PPNR Projections Worksheet

(1) Amount should equal item 49 of the PPNR NII Worksheet, if completed.
(2) Excludes Valuation Adjustment for firm's own debt under fair value option (FVO) in item 40.
(3) Excludes Goodwill Impairment included in item 41.
(4) Provide a further break out of significant items included in Other Non-Interest Expense such that no more than $5 \%$ of Non Interest Expense are reported without further breakout:

(5) By definition, PPNR will calculate as Net Interest Income plus Non-Interest Income less Non-Interest Expense, excluding items broken out in items $\mathbf{4 0 - 4 1 .}$
(6) Report commissions only in "Commissions" line item 28C; do not report commissions in any other compensation line items.
(7) See instructions for guidance on related thresholds. List segments included in this line item.
(8) All operational loss items, including operational losses that are contra revenue amounts or cannot be separately identified, should be reported in the operational risk expense. Any legal consultation or retainer fees specifically linked to an operational risk event should be included in the Operational Risk Expense. Include all Provisions to Litigation Reserves / Liability for Claims related to Sold Residential Mortgages and all Litigation Settlements \& Penalties in this line item and not any other items.
(9) List segments from which item was excluded:
(10) Include domestic $\mathrm{BHC} / \mathrm{IHC}$ issued credit and charge cards including those that result from a partnership agreement.
(11) Applies to line items 1A-1F; US and Puerto Rico only.
(12) Provisions to build any non-litigation reserves/accrued liabilities that have been established for losses related to sold or government-insured residential mortgage loans (first or second lien). Do not report such provisions in any other items; report them only in line items 14N or $\mathbf{3 0}$, as applicable.
(13) Include routine legal expenses (i.e legal expenses not related to operational losses) here.
(14) Do not report stock based and cash variable pay compensation here.
(15) Include both direct and allocated expenses. Report any expenses that are made to expand the company's card member and/or merchant base, facilitate greater segment penetration, enhance the perception of the company's credit card brand, and/or increase the utilization of the existing card member base across the spectrum of marketing and advertising mediums.
(16) Revenues from regions outside the US and Puerto Rico.
(17) See Instructions for description of standardized Business Segments/Lines. Unless specified otherwise, all numbers are global.
(18) Gains/(Losses) from the sale of mortgages and home equity originated through all production channels (retail, broker, correspondent, etc.) with the intent to sell. Such gains/losses should include deferred fees and costs that are reported as adjustments to the carrying balance of the sold loan, fair value changes on loan commitments with rate locks that are accounted for as derivatives, fair value changes on mortgage loans held-for-sale designated for fair value treatment, lower-of-cost or market adjustments on mortgage loans held-for-sale not designated for fair value treatment, fair value changes on derivative instruments used to hedge loan commitments and held-of-sale mortgages, and value associated with the initial capitalization of the MSR upon sale of the loan.
(19) Report changes in the MSR value here and not in any other items. Report changes in the MSR hedges here and not in any other items.
(20) Include economic amortization or scheduled and unscheduled payments, net of defaults under both FV and LOCOM accounting methods.
(21) Include MSR changes under both FV and LOCOM accounting methods.
(22) Among items included here are debit card contra-revenues and overdraft waivers, as applicable.
(23) Report all Non-Interest Income for Equities Sales and Trading, excluding Prime Brokerage (to be reported as a separate line item) and excluding Commissions and Fees. This includes trading profits and other non-interest non-commission income.
(24) BHCs/IHCs should not report changes in value of the MSR asset or hedges within the trading book.
(25) List segments from which item was excluded:
(26) Exclude result of trading shock exercise (where applicable), as it is reported in item 42.
(27) List FR Y-9C HI Schedule items in which this item is normally reported although excluded from PPNR for this report:
$\qquad$

PPNR Net Interest Income

|  | Actual |
| :---: | :---: |
| AverageAsset Balances (\$Millions) (1) |  |
| First Lien Residential Mortgages (in Domestic Offices) |  |
| Second / Junior Lien Residential Mortgages (in Domestic Offices) | - |
| Closed-End Junior Liens |  |
| Home Equity Lines Of Credit (HELOCs) |  |
| C\&I Loans (7) |  |
| CRE Loans (in Domestic Offices) |  |
| Credit Cards |  |
| Other Consumer | - |
| Auto Loans |  |
| Student Loans |  |
| Other, incl. loans backed by securities (non-purpose lending) |  |
| Real Estate Loans (Not in Domestic Offices) | - |
| Residential Mortgages (First and Second Lien) |  |
| Other |  |
| Other Loans \& Leases (10) |  |
| Nonaccrual Loans (5) |  |
| Securities (AFS and HTM) - Treasuries and Agency Debentures |  |
| Securities (AFS and HTM) - Agency RMBS (both CMOs and pass-throughs) |  |
| Securities (AFS and HTM) - Other |  |
| Trading Assets |  |
| Deposits with Banks \& Other |  |
| Other Interest/Dividend Bearing Assets (2) |  |
| Other Assets |  |
| Total Average Asset Balances | - |

## Average Rates Earned (\%) (9)

First Lien Residential Mortgages (in Domestic Offices)
Second / Junior Lien Residential Mortgages (in Domestic Offices)
Closed-End Junior Liens
HELOCs
C\&I Loans (7)
CRE Loans (in Domestic Offices)
Credit Cards
Other Consumer
Auto Loans
Student Loans
Other, incl. loans backed by securities (non-purpose lending)
Real Estate Loans (Not in Domestic Offices)
Residential Mortgages (First and Second Lien)
Other
Other Loans \& Leases
Nonaccrual Loans (5)
Securities (AFS and HTM) - Treasuries and Agency Debentures
Securities (AFS and HTM) - Agency RMBS (both CMOs and pass-throughs)
Securities (AFS and HTM) - Other
Trading Assets
Deposits with Banks \& Other
Other Interest/Dividend Bearing Assets


|  | Average Liability Balances (\$Millions) <br> Deposits-Domestic (6) |
| :--- | :---: |
| 34 | Non-Interest-Bearing Demand |
| 34A | Money Market Accounts |
| 34B | Savings |
| 34C | NOW, ATS, and other Transaction Accounts |
| 34D | Time Deposits |
| 34E | Deposits-Foreign (6) |
| 35 | Foreign Deposits |
| 35A | Foreign Deposits-Time |
| 35B | Fed Funds, Repos, \& Other Short Term Borrowing |
| 36 | Fed Funds |
| 36A | Repos |
| 36B | Other Short Term Borrowing (11) |
| 36C | Trading Liabilities |
| 37 |  |

Subordinated Notes Payable to Unconsolidated Trusts Issuing Trust Preferred
Securities (TruPS) and TruPS Issued by Consolidated Special Purpose Entities
Other Interest-Bearing Liabilities (3)(11)
Other Liabilities (11)


## Total Average Liability Balances

## Average Liability Rates (\%) (9)

Deposits-Domestic (6)
Non-Interest-Bearing Demand (8)


| 48 | Total Interest Expense | - |
| :--- | :--- | :--- |
| 49 | Total Net Interest Income (4) | - |
| 4 |  |  |

## Footnotes to the Net Interest Income Worksheet

(1) Exclude nonaccrual loans from lines 1-8, reporting these balances in item 9. Include purchased credit impaired loans.

Break out and explain nature of significant items included in Other Interest/Dividend Bearing Assets such that no more than $5 \%$ of total Average
(2) Asset Balances are reported without a further breakout.
$\square$

(3)

Break out and explain nature of significant items included in All Other Interest Bearing Liabilities Balances such that no more than 5\% of total Liability Balances are reported without a further breakout.

(4) Amount should equal item 13 of the PPNR Submission Worksheet.

Institutions are to provide additional details within the supporting documentation; the composition of the non-accrual loans by key loan type over the reported time periods for each of the scenarios.
(6) A sum of average domestic and foreign deposits should be equal to a sum of average BHDM6631, BHDM6636, BHFN6631, and BHFN6636.
(7) Report C\&l Graded, Small Business (Scored/Delinquency Managed), Corporate Card, Business Card
(8) Rates are equal to zero by definition.
(9) All rates are annualized.
(10) Include loans secured by farmland here (BHDM1420) and other loans not accounted for in the other categories.

A Sum of line items 36C and 39 equals a sum of BHCK3190, BHCK4062, and interest-bearing liabilities reported in BHCK2750; line item 40
(11) captures non-interest bearing liabilities in BHCK2750
Are Other Average Interest-Bearing Asset Balances more than 5\% of Total Average Interest-Bearing Asset Balances? ..... N/A
Are Other Average Deposit and Interest-Bearing Non-Deposit Liability Balances more than 5\% of Total Average Interest-Bearing Liability Balances? ..... N/AAre Other Average Interest-Bearing Asset Balances more than 5\% of Total Average Interest-Bearing Asset Balances? N/A
Are Other Average Deposit and Interest-Bearing Non-Deposit Liability Balances more than 5\% of Total Average Interest-Bearing Liability Balances? ..... N/A

Investment Management Segmen
Asset Management
AUM - Total (10)
AUM - Equities
AUM - Fixed Income
AUM - Other
Net Inflows/Outflows
Wealth Management/Private Banking
Fee Earning Client Assets - Total (10)
Fee Earning Client Assets - Equities
Fee Earning Client Assets - Fixed Income
Fee Earning Client Assets - Other
Net Inflows/Outflows
Number of Financial Advisors (11)
Investment Services Segment
Asset Servicing
Assets under Custody and Administration
B. Firm Wide Metrics: PPNR Projections Worksheet
Number of Employees
Revenues - International
Revenues - APAC (2) (16)
Revenues - EMEA (2) (17)
Revenues - LatAm (2) (18)
Revenues - Canada (2)
Revenues - Domestic
Severance Costs (14)
Collateral Underlying Operating Leases for Which the Bank is the Lessor (22)
Auto
Other
OREO Balance
Commercial
Residential
Farmland
Non-Recurring PPNR Items (32)
Trading Revenue
Net Gains/(Losses) on Sales of Other Real Estate Owned (19)
\$Millions
\$Millions
\$Millions
\$Millions
\$Million
\$Millions
\$Millions
\$Millions
\$Millions
\$Millions
\$Million \$Millions \$Millions
\#
\$Millions

$\square$


| C. Firm Wide Metrics: Net Interest Income Worksheet (Required only for BHCs that were required to complete the Net Interest Income Worksheet) |  |
| :--- | :---: |
| Carrying Value of Purchased Credit Impaired (PCI) Loans | BHCKC780 |
| Net Accretion of discount on PCI Loans included in interest Revenues | \$Millions |
| Loans Held for Sale - First Lien Residential Liens in Domestic Offices (Average Balances) | \$Millions |
| Average Rate on Loans Held for Sale-First Lien Residential Liens in Domestic Offices | \$Millions | Carrying Value of Purchased Credit Impaired (PCI) Loans

Loans Held for Sale - First Lien Residential Liens in Domestic Offices (Average Balances) Average Rate on Loans Held for Sale-First Lien Residential Liens in Domestic Offices

Quarter End Weighted Average Life of Assets (4) (6)
First Lien Residential Mortgages (in Domestic Offices) (33)
Closed-End Junior Residential Liens (in Domestic Offices)
Home Equity Lines Of Credit (HELOCs)
C\&I Loans
CRE Loans (in Domestic Offices)
Credit Cards
Auto Loans
Student Loans
Other, incl. loans backed by securities (non-purpose lending) (7)
Residential Mortgages (First and Second Lien, Not in Domestic Offices)
Other Real Estate Loans (Not in Domestic Offices)
Other Loans \& Leases
Securities (AFS and HTM) - Treasuries and Agency Debentures
Securities (AFS and HTM) - Agency RMBS (both CMOs and pass-throughs)
Securities (AFS and HTM) - Other
Trading Assets
All Other Earning Assets
Quarter End Weighted Average Life of Liabilities (4) (6)
Domestic Deposits - Time
Foreign Deposits-Time
Fed Funds
Repos
Other Short Term Borrowing
Trading Liabilities
Subordinated Notes Payable to Unconsolidated Trusts Issuing TruPS and TruPS
ssued by Consolidated Special Purpose Entities
All Other Interest Bearing Liabitilies

Average Domestic Deposit Repricing Beta in a 'Normal Environment' (5)
Money Market Accounts
Savings
NOW, ATS, and other Transaction Account
Time Deposits
Average Foreign Deposit Repricing Beta in a 'Normal Environment' (5)
Foreign Deposits
Foreign Deposits-Time
New Domestic Business Pricing for Time Deposits (27)
Curve (if multiple terms assumed) (28)
Index rate (if single term assumed) (29)
Spread relative to the Index Rate (basis points) (29)


## months

months
months
months
months
months
months
months
months
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months
months
months
months
months
months
months
months
months
months
months
months
basis points
basis points
basis points basis points
basis points
basis point


For upward rate For downward
basis points


## FR Y-14Q - Schedule G - PPNR Metrics

## Footnotes to the PPNR Metrics Workshee

(1) Provide metrics data for all quarters, but only if International Retail and Small Business Segment revenues exceeded 5\% of Total Retail and Small Business Segment and Total Retail and Small Business revenue exceeded $5 \%$ of total revenues in any of the last four actual quarters requested in the PPNR schedule.
(2) Provide regional breakouts for all quarters but only if international revenue exceeded $5 \%$ of the total revenue in any of the last four actual quarters requested in the PPNR schedule
(3) Average oustanding principal balance fo residential mortgage loans the BHC services for others.
(4) The Weighted Average Life should reflect the current position, the impact of new business activity, as well as the impact of behavioral assumptions such as prepayments or defaults, based on the expected remaining lives, inclusive of behavioral assumptions. It should reflect the weighted average of time to principal actual repayment (as modeled) for all positions in that portfolio, rounded to the nearest monthly term. For revolving products, the WAL should reflect the underlying repayment behavior assumptions assumed by the institution, which would include contractual repayments, any assumed excess payments or prepayments, and defaults. The WAL for the FR Y-14Q disclosures should reflect the spot balance sheet position for each time period. For the FR Y-14A, given that it covers forecasted time periods, the WAL should be forward-looking which incorporates the changes to the projected WAL, including new business activity.
(5) A rate movement in an environment where the repricing assumption assumed by each of the major deposit products is not restricted by a cap, floor, or zero. Beta should be reported as a balance-weighted average of the betas of the line items that contribute to the roll up point requested, with an as-of date equal to the reporting date.
(6) Reference PPNR Net Interest Income worksheet for product definitions.
(7) Corresponds to line item 7C on the Net Interest Income worksheet
(8) Include both direct and allocated expenses.
(9) "Metrics by Business Segment/Line" correspond to Business Segments/Lines on PPNR Submission worksheet, unless explicitly stated otherwise. See Instructions for defintions of standardized Business Segments/Lines. Unless specified otherwise, all numbers are global. Only line items with "Industry Market Size" in the name are industry/market-wide items; all other items are BHC/IHC-specific.
(10) Assets under Management
11) Provide a relevant headcount number (e.g. financial advisors, portfolio managers) to facilitate the assessment of revenue productivity in the Wealth Management/Private Banking business line.
(12) Regions outside the US and Puerto Rico.
(13) Report the grossed up "interest balances" that result from prime brokerage activities.
(14) List items on PPNR Projections worksheet that include this item if any:
(15) Full-time equivalent employees at end of current period (BHCK4150) for a given segment only.
(16) Asia and Pacific region (incl. South Asia, Australia, and New Zealand)
(17) Europe, Middle East, and Africa
(18) Latin America, including Mexico
(19) List Business Segments reported on PPNR Projections Worksheet that include this item if any:
(20) List Business Segments reported on PPNR Projections Worksheet that include this item if any
(21) List Business Segments reported on PPNR Projections Worksheet that include this item if any
(22) Refers to the balance sheet carrying amount of any equipment or other asset rented to others under operating leases, net of accumulated depreciation. The total in line item 49 should correspond to the amount provided in Y-9C Schedule HC-F Line 6, item 13 in the instructions. The amount included should only reflect collateral rented under operating leases and not include collateral subject to capital/ financing type leases.
(23) Credit cards (including charge cards). List which line item(s) on PPNR Submission worksheet contain(s) the Cards Rewards/Partner Sharing contra-revenues and/or expenses.
(24) Applies to line items 1-9; US and Puerto Rico only.
(25) Total domestic mortgages originated during the quarter.
(26) FR Y-9C name is "Residential Mortgages Sold During the Quarter"; this metric need not be limited to Mortgages and Home Equity business line.
(27) New business pricing for time deposits refers to the anticipated average rate on newly issued domestic time deposits, including renewals. Given that time deposits have a stated maturity, all time deposits issued for that time period are considered new business.
(28) The term "curve" refers to the reference rate used to price time deposits. Given that the pricing of time deposits is dependent on the term, the institution should provide the overall curve used to price time deposits. If the institution only assumes a single maturity term for new issuances, complete line 88 B and 88 C only, otherwise complete line 88 A only.
(29) If the institution only assumes a single maturity term for new issuance, then the institution should provide the relative index and spread used to estimate new business pricing in lieu of the curve.
(30) A backlog should be based on probability weighted fees. The data should be consistent with historical internal reporting, not by market measurement. The last quarter should be the BHC's/IHC's latest backlog estimate.
(31) Provide description of the accounts included in this line item (e g. Negotiable Order of Withdrawal, Interest Bearing Checking, Non Interest Bearing Demand Deposit Account, Money Market Savings, etc.)
(32) Please break out and explain nature of non-recurring items included in PPNR. Also indicate which items on PPRN Projections worksheet include the items broken out in footnote 32;
(a) Revenues (Net Interest Income + Non Interest Income)
$\qquad$

33) For WAL, exclude from the reported number Loans Held For Sale
(34) Note if this item includes any contra-revenues other than Rewards/Partner Sharing (e.g. Marketing Expense Amortization)

FR Y-14Q Schedule I - MSR Valuation

Report Information for 1st Lien Residential MSRs Only
Section 1. General Information:
MSR BV
MSR FV
Loans Serviced (\$)
Loans Serviced (\#)

## FR Y-14Q Schedule I - MSR Valuation

Section 2. Current Capitalization Rate Information:
Please provide the capitalization rate (multiple) and base mortgage rate on FNMA/FHLMC, Jumbo and GNMA 30 year products sold during the quarter into a current coupon MBS.
Assume that the remittance cycle is Scheduled/Scheduled, taxes and insurance are escrowed, with FICO scores of 700, and LTV of $80 \%$.

| Capitalization Rates | Assumptions T\&I | Normal Servicing Multiples |  |  |  |  |  |  | Excess Servicing Multiples |  |  |  |  |  |  | Base Mortgage Rate |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Fee | Median | Avg. | 25th \% | 75th \% | Min. | Max. | Fee | Median | Avg. | 25th \% | 75th \% | Min. | Max. | Median | Avg. | 25th \% | 75th \% | Min. | Max. |
| FNMA/FHLMC (30 year product) | 350/mo | 25bp | 4.62 | 4.53 | 4.17 | 4.79 | 4.02 | 5.38 | 10 bp | 4.11 | 3.93 | 3.63 | 4.14 | 3.02 | 4.93 | 4.02 | 4.14 | 3.97 | 4.25 | 3.69 | 4.86 |
| GNMA (30 year product) | 250/mo | 44bp | 4.46 | 4.23 | 3.84 | 4.65 | 2.67 | 5.20 | 25 bp | 4.22 | 4.07 | 3.66 | 4.51 | 3.40 | 4.93 | 4.02 | 4.07 | 3.94 | 4.25 | 3.44 | 4.55 |
| Jumbo (30 year product) | 450/mo | 25bp | 3.66 | 3.87 | 3.65 | 4.19 | 3.18 | 4.67 | 10 bp | 3.40 | 3.55 | 3.04 | 3.53 | 2.82 | 5.18 | 4.46 | 4.46 | 4.30 | 4.63 | 3.69 | 5.23 |

## FR Y-14Q Schedule I-MSR Valuation

Section 3. Valuation Information:
Valuation Methodology: Static or OAS
For static reporters, the yield curve prepayments based upon: Current, Forward, Other
Prepayment Model Used: Proprietary or Vendor
If Vendor Model Used, Note Vendor Name
Default Model Used: Proprietary or Vendor
If Vendor Model Used, Note Vendor Name
FHLMC/FNMA normal, delinquency, and default/foreclosure servicing cost per loan (\$)
FHA normal, delinquency, and default/foreclosure servicing cost per loan (\$)
VA normal, delinquency, and default/foreclosure servicing cost per loan (\$)
Non-agency normal, delinquency, and default/foreclosure servicing cost per loan (\$)
Judicial jurisdiction foreclosure time frame (mos)
Non-judicial jurisdiction foreclosure time frame (mos)

Section 4. MSR Valuation Sensitivity Analysis:
+100 basis point parallel move in yield curve
+50 basis point parallel move in yield curve
+25 basis point parallel move in yield curve

- 50 basis point parallel move in yield curve
- 100 basis point parallel move in yield curve
$+10 \%$ change in $3 \times 10$ Implied Swaption Volatility
${ }_{-10 \%}+10 \%$ change in $3 \times 10$ Implied Swaption Volatility +100 basis point move in OAS/discount rate - 100 basis point move in OAS/discount rate
+100 basis point change in CDR
+500 basis point change in CDR
+1000 basis point change in CDR
+100 basis point change in CPR
+500 basis point change in CPR
+1000 basis point change in CPR
3 month increase in foreclosure time frame
3 month increase in foreclosure time frame
$\$ 1$ per loan increase in normal servicing cost
$\$ 1$ per loan increase in normal servicing cost delinquency servicing cost $\$ 1$ per loan increase in default/foreclosure servicing cost
$\$ 1$ per loan decline in ancillary income
+100 basis point change in natinoal unemployment rate
+500 basis point change in national unemployment rate -500 basis point change in HPI (National Core Logic Index) $-\mathbf{- 1 0 0 0}$ basis point change in HPI (National Core Logic Index)


## FR Y-14Q Schedule I - MSR Valuation

| Section 5. Detailed Valuation Information: |
| :--- |
| Product Type |
|  |
| FNMA/FHLMC (30 year ) Base |
| (note rate) |
| < 3.5\% |
| $3.5 \%-3.99 \%$ |
| $4.0 \%-4.49 \%$ |
| $4.5 \%-4.99 \%$ |
| $5.0 \%-5.49 \%$ |
| $5.5 \%-5.99 \%$ |
| $6.0 \%-6.49 \%$ |
| $6.5 \%-6.99 \%$ |
| $>6.99 \%$ |
| FNMA/FHLMC (30 year ) Excess |
| (note rate) |
| < $3.5 \%$ |
| $3.5 \%-3.99 \%$ |
| $4.0 \%-4.49 \%$ |
| $4.5 \%-4.99 \%$ |
| $5.0 \%-5.49 \%$ |
| $5.5 \%-5.99 \%$ |
| $6.0 \%-6.49 \%$ |
| $6.5 \%-6.99 \%$ |
| $>6.99 \%$ |
| FNMA/FHLMC (15 year ) |
| (note rate) |
| < $3.0 \%$ |
| $3.0 \%-3.49 \%$ |
| $3.5 \%-3.99 \%$ |
| $4.0 \%-4.49 \%$ |
| $4.5 \%-4.99 \%$ |
| $5.0 \%-5.49 \%$ |
| $5.5 \%-5.99 \%$ |
| $6.0 \%-6.49 \%$ |
| $6.5 \%-6.99 \%$ |
| $>6.99 \%$ |
| GNMA (30 year) |
| (note rate) |
| < 3.5\% |
| $3.5 \%-3.99 \%$ |
| $4.0 \%-4.49 \%$ |

Prepayment

Riscour Rate (\%)

OAS (bps) WAC (\%) WAM (mos) WASF (\%) (mos)

Cost to Loan (\$) Loan (\$) Rate (CDR) Balance

## FR Y-14Q Schedule I - MSR Valuation

| Section 5. Detailed Valuation Information: |
| :--- |
| Product Type |
| $4.5 \%-4.99 \%$ |
| $5.0 \%-5.49 \%$ |
| $5.5 \%-5.99 \%$ |
| $6.0 \%-6.49 \%$ |
| $6.5 \%-6.99 \%$ |
| $>6.99 \%$ |
| Non-agency fixed rate loans |
| (note rate) |
| 3.5\% |
| $3.5 \%-3.99 \%$ |
| $4.0 \%-4.49 \%$ |
| $4.5 \%-4.99 \%$ |
| $5.0 \%-5.49 \%$ |
| $5.5 \%-5.99 \%$ |
| $6.0 \%-6.49 \%$ |
| $6.5 \%-6.99 \%$ |
| $>6.99 \%$ |
| GNMA ARMs |
| (note rate) |
| $2.5 \%-2.99 \%$ |
| $3.0 \%-3.49 \%$ |
| $3.5 \%-3.99 \%$ |
| $4.0 \%-4.49 \%$ |
| $4.5 \%-4.99 \%$ |
| $5.0 \%-5.49 \%$ |
| $5.5 \%-5.99 \%$ |
| $6.0 \%-6.49 \%$ |
| $>6.49 \%$ |
| FHLMC/FNMA ARMs |
| (note rate) |
| $2.5 \%-2.99 \%$ |
| $3.0 \%-3.49 \%$ |
| $3.5 \%-3.99 \%$ |
| $4.0 \%-4.49 \%$ |
| $4.5 \%-4.99 \%$ |
| $5.0 \%-5.49 \%$ |
| $5.5 \%-5.99 \%$ |
| $6.0 \%-6.49 \%$ |
| $>66.49 \%$ |

Prepayment

Non-agency fixed rate loans
(note rate)
3.5\% - 3.99\%
4.0\%-4.49\%
4.5\%-4.99\%
5.0\%-5.49\%
5.5\%-5.99\%
6.0\%-6.49\%
6.5\%-6.99\%
>6.99\%

GNMA ARIVIS
(note rate)
2.5\%-2.99\%
3.0\% - 3.49\%
3.5\%-3.99\%
4.5\% - 4.99\%
5.0\%-5.49\%
5.5\%-5.99\%
6.0\%-6.49\%
$>6.49 \%$

LLMC/FNMA ARMS
(note rate)
2.5\%-2.99\%
3.0\%-3.49\%
3.5\%-3.99\%
4.5\% - 4.99\%
5.0\% - 5.49\%
5.5\%-5.99\%
6.0\%-6.49\%
>6.49\%

## FR Y-14Q Schedule I-MSR Valuation

Section 5. Detailed Valuation Information:
Section 5. Detailed Valuation Information:

| Product Type |
| :--- | | Non-Agency ARMs |
| :--- |
| (note rate) |
| $2.5 \%-2.99 \%$ |
| $3.0 \%-3.49 \%$ |
| $3.5 \%-3.99 \%$ |
| $4.0 \%-4.49 \%$ |
| $4.5 \%-4.99 \%$ |
| $5.0 \%-5.49 \%$ |
| $5.5 \%-5.99 \%$ |
| $6.0 \%-6.49 \%$ |
| $>6.49 \%$ |

MEMO Item: Included in Non-Agency Above Sub-Prime
(note rate)
<3.5\%
3.5\%-3.99\%
4.0\% - 4.49\%
4.5\% - 4.99\%
5.0\%-5.49\%
5.5\%-5.99\%
6.0\%-6.49\%
6.5\%-6.99\%
$>6.99 \%$

MEMO Item: Included in Non-Agency Above
ALT-A and Option ARM
(note rate)
$<3.5 \%$
$3.5 \%-3.99 \%$
$4.0 \%-4.49 \%$
$4.5 \%-4.99 \%$
$5.0 \%-5.49 \%$
$5.5 \%-5.99 \%$
$6.0 \%-6.49 \%$
$6.5 \%-6.99 \%$
$>6.99 \%$

Prepayment

OAS (bps) WAC (\%) WAM (mos) WASF (\%) WART

Cost to oan (\$) (\$) Loan (\$)

# FR Y-14Q Schedule J - Retail Fair Value Option/Held for Sale (FVO/HFS) 

Institution Name: $\square$
RSSD ID: $\square$

Date of Data Submission: $\square$

FR Y-14Q Schedule J - Retail Fair Value Option/Held for Sale (FVO/HFS): Table 1

|  | (A) | (B) |
| :---: | :---: | :---: |
| FVO/HFS Retail Loans | Unpaid Principal <br> Balance (\$MM) | Carrying Value <br> (\$MM) |

1

| Residential Loans with <br> Forward Contracts to <br> Federal Agencies |  |  |
| :--- | :--- | :--- |
| Residential Loans <br> Repurchased from Agencies <br> with FHA/VA Insurance |  |  |
| All Other Residential Loans <br> Not Included Above |  |  |
| Total Residential Loans |  |  |

5

| Non-Residential Loans with <br> Forward Contracts to <br> Federal Agencies |  |  |
| :--- | :--- | :--- |
| Student Loans (Not in |  |  |
| Forward Contract) |  |  | 年 | Credit Card Loans (Not in |
| :--- |
| Forward Contract) |$\quad$| Credit Card Loans (Not in <br> Forward Contract) |
| :--- |
| Auto Loans (Not in Forward <br> Contract) |
| All Other Non-Residential <br> Loans Not Included Above |
| Total Non-Residential <br> Loans |
|  |

11

| Other Retail Loans with <br> Zero Principal or Interest <br> Recourse to the Bank |  |  |
| :--- | :--- | :--- |




FR Y-14Q Schedule J - Retail Fair Value Option/Held for Sale (FVO/HFS): Table 2

|  | Carrying Value (\$MM) |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | (A) | (B) | (C) | (D) | (E) | (F) | (G) | (H) | (I) |
| Loan Vintage | Residential Loans in Forward Contract | Residential Loans (Repurchased with FHA/VA Insurance) | Residential Loans (Not in (A) or (B)) | Non-Residential Loans in Forward Contract | Student Loans (Not in Forward Contract) | Credit Card Loans (Not in Forward Contract) | Auto Loans (Not in Forward Contract) | All Other NonResidential Loans Not Included in (D), (E), (F) or (G) | Total |
| Pre 2006 |  |  |  |  |  |  |  |  |  |
| 2007 |  |  |  |  |  |  |  |  |  |
| $\ldots$ |  |  |  |  |  |  |  |  |  |
| Current Year |  |  |  |  |  |  |  |  |  |
| Total Fair Value Loans |  |  |  |  |  |  |  |  |  |

## Notes:

1) FVO/HFS is defined as Fair Value Option/Held for Sale
2) The amount in Column I Row 8 in Table 2 should equal the totals summed in Column B Row 4 and Row 10 in Table 1

|  | A. Outstanding balance of whole loans in immaterial portfolios*** | B. Cumulative Lifetime Gross Charge-offs* | C. Cumulative Lifetime Purchase Impairments and Fair Value Adjustments** | D. Outstanding balance of loans under $\$ 1 \mathrm{M}$ in committed balance | E. Outstanding balance of unplanned overdrafts excluded per the Corporate Loan FR $\mathrm{Y}-14 \mathrm{Q}$ schedule instructions | F. Scored loans reported in BHCKF160 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1. Student Loans |  |  |  |  |  |  |
| 2. Other Consumer |  |  |  |  |  |  |
| 2a. Domestic |  |  |  |  |  |  |
| 2b. International |  |  |  |  |  |  |
| 3. First Lien |  |  |  |  |  |  |
| 3a. Domestic |  |  |  |  |  |  |
| 3b. International |  |  |  |  |  |  |
| 4. Junior Lien |  |  |  |  |  |  |
| 4a. Domestic |  |  |  |  |  |  |
| 4b. International |  |  |  |  |  |  |
| 5. Bank and Charge Cards |  |  |  |  |  |  |
| 5a. Domestic |  |  |  |  |  |  |
| 5b. International |  |  |  |  |  |  |
| 6. Auto |  |  |  |  |  |  |
| 6a. Domestic |  |  |  |  |  |  |
| 6b. International |  |  |  |  |  |  |
| 7. Commercial Real Estate |  |  |  |  |  |  |
| 7a. Construction |  |  |  |  |  |  |
| 7a.(1) Domestic |  |  |  |  |  |  |
| 7a.(2) International |  |  |  |  |  |  |
| 7b. Multifamily |  |  |  |  |  |  |
| 7b.(1) Domestic |  |  |  |  |  |  |
| 7b.(2) International |  |  |  |  |  |  |
| 7c. NFNR - Non-owner occupied |  |  |  |  |  |  |
| 7c.(1) Domestic |  |  |  |  |  |  |
| 7c.(2) International |  |  |  |  |  |  |
| 7.d NFNR - Owner occupied |  |  |  |  |  |  |
| 7d.(1) Domestic |  |  |  |  |  |  |
| 7d.(2) International |  |  |  |  |  |  |



## FR Y-14Q: Counterparty Credit Risk

See Counterparty Schedule instructions for guidance on completing this schedule.
BHCs/IHCs should complete all relevant cells in the corresponding worksheets, including this cover page. Data should be reported in millions of dollars.

| Institution Name: |  |
| ---: | ---: |
| RSSD ID: |  |
| Submission date: |  |
| Data as of date: |  |
| Version: |  |
| When Received: | $12 / 1 / 181: 58 \mathrm{PM}$ |

Sub-schedule L.1.a Top consolidated/parent counterparties comprising 95\% of firm Credit Valuation Adjustment (CVA), ranked by CVA \$ Millions

|  | Counterparty identifiers |  |  |  |  |  |  | Credit Quality Data |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | Counterparty name | Counterparty ID | Legal Entity Identifier (LEI) | Netting set ID (optional) | Sub-netting set ID (optional) | Industry Code | Country | Internal rating | External rating |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |


|  | Exposure and Position Data |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | Gross CE | Stressed Gross CE <br> FR Scenario <br> (Severely Adverse) | Stressed Gross CE FR Scenario (Adverse) | Stressed <br> Gross CE <br> BHC/IHC <br> scenario | Net CE | Stressed Net CE FR Scenario (Severely Adverse) | Stressed Net CE FR Scenario (Adverse) | Stressed Net CE BHC/IHC scenario | Total Notional | New Notional During Quarter |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |


|  |  |  |  | CVA Data |  |  |  | Credit Mitigants |  |  | Credit Hedges |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | Weighted Average Maturity | Position MtM | Total Net Collateral | CVA | Stressed CVA FR Scenario and FR Specification (Severely Adverse) | Stressed CVA <br> FR Scenario and FR Specification (Adverse) | Stressed CVA <br> BHC Scenario and BHC specification | CSA in place? | \% <br> Gross CE with CSAs | Downgrade <br> trigger modeled? | Single Name <br> Credit Hedges |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |

## Sub-schedule L.1.b. 1 Top 20 consolidated/parent counterparties ranked by Federal Reserve Severely Adverse Scenario Stressed CVA

\$ Millions


|  | Exposure and Position Data |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | Stressed Gross <br> CE <br> FR Scenario (Adverse) | Stressed Gross <br> CE BHC/IHC scenario | Net CE | Stressed Net CE FR Scenario (Severely Adverse) | Stressed Net CE FR Scenario (Adverse) | Total Notional | New Notional During Quarter | Weighted <br> Average <br> Maturity | Position MtM | Total Net <br> Collateral |
| 1 |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |  |


|  |  | CVA Data |  |  |  | Credit mitigants |  |  | Credit Hedges |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | Stressed Net CE BHC/IHC scenario | CVA | Stressed CVA FR Scenario and FR Specification (Severely Adverse) | Stressed CVA FR Scenario and FR Specification (Adverse) | Stressed CVA BHC/IHC Scenario and BHC/IHC specification | CSA in place? | \% Gross CE with CSAs | Downgrade trigger modeled? | Single Name Credit Hedges |
| 1 |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |

## Sub-schedule L.1.b. 2 Top 20 consolidated/parent counterparties ranked by BHC or IHC Scenario Stressed CVA

\$ Millions


|  | Exposure and Position Data |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | Stressed Gross <br> CE <br> Federal Reserve scenario (Adverse) | Stressed Gross <br> CE BHC/IHC scenario | Net CE | Stressed Net CE Federal Reserve scenario (Severely Adverse) | Stressed Net CE Federal Reserve scenario (Adverse) | Total Notional | New Notional During Quarter | Weighted <br> Average <br> Maturity | Position MtM | Total Net Collateral |
| 1 |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |  |


|  |  | CVA Data |  |  |  | Credit mitigants |  |  | Credit Hedges |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | Stressed Net CE BHC/IHC scenario | CVA | Stressed CVA FR scenario and FR specification (Severely Adverse) | Stressed CVA <br> FR scenario and FR specification (Adverse) | Stressed CVA BHC/IHC scenario and $\mathrm{BHC} / \mathrm{IHC}$ specification | CSA in place? | \% Gross CE with CSAs | Downgrade trigger modeled? | Single Name Credit Hedges |
| 1 |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |


|  | Counterparty identifiers |  |  |  |  |  |  | Credit Quality Data |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | Counterparty name | Counterparty ID | Legal Entity Identifier (LEI) | Netting set ID (optional) | Sub-netting set ID (optional) | Industry Code | Country | Internal rating | External rating |
| 1 |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |


|  | Exposure and Position Data |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | Gross CE | Stressed <br> Gross CE <br> FR Scenario <br> (Severely <br> Adverse) | Stressed <br> Gross CE <br> FR Scenario (Adverse) | Stressed Gross CE BHC/IHC scenario | Net CE | Stressed Net <br> CE <br> FR Scenario (Severely Adverse) | Stressed <br> Net CE <br> FR <br> Scenario (Adverse) | Stressed <br> Net CE <br> BHC/IHC <br> scenario | Total Notional | New Notional During Quarter | Weighted Average Maturity | Position MtM | Total Net Collateral |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |


|  | CVA Data |  |  |  | Credit Mitigants |  | Credit Hedges |  |
| ---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | CVA | Stressed CVA <br> FR Scenario and <br> FR Specification <br> (Severely <br> Adverse) | Stressed CVA <br> FR Scenario and <br> FR Specification <br> (Adverse) | Stressed CVA <br> BHC/IHC <br> Scenario and <br> BHC/IHC <br> specification | CSA in <br> place? | \% <br> Gross CE <br> with CSAs | Downgrade <br> trigger <br> modeled? | Single Name <br> Credit Hedges |
| 1 |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |

## Sub-schedule L.1.c. 2 Top 20 consolidated/parent counterparties ranked by Federal Reserve Severely Adverse

\$ Millions

|  | Counterparty identifiers |  |  |  |  |  |  | Credit Quality Data |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | Counterparty name | Counterparty ID | Legal Entity Identifier (LEI) | Netting set ID (optional) | Sub-netting set ID (optional) | Industry Code | Country | Internal rating | External rating |
| 1 |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |


|  | Exposure and Position Data |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | Gross CE | Stressed <br> Gross CE <br> FR Scenario (Severely Adverse) | Stressed <br> Gross CE <br> FR Scenario <br> (Adverse) | Stressed <br> Gross CE <br> BHC/IHC <br> scenario | Net CE | Stressed Net <br> CE <br> FR Scenario (Severely Adverse) | Stressed <br> Net CE <br> FR <br> Scenario <br> (Adverse) | Stressed <br> Net CE <br> BHC/IHC <br> scenario | Total Notional | New Notional During Quarter | Weighted <br> Average <br> Maturity | Position MtM | Total Net Collateral |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |


|  | CVA Data |  |  |  | Credit Mitigants |  |  | Credit Hedges |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | CVA | Stressed CVA <br> FR Scenario and FR Specification (Severely Adverse) | Stressed CVA <br> FR Scenario and FR Specification (Adverse) | Stressed CVA <br> BHC/IHC <br> Scenario and <br> BHC/IHC <br> specification | CSA in place? | \% Gross CE with CSAs | Downgrade <br> trigger modeled? | Single Name Credit Hedges |
| 1 |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |

## Sub-schedule L.1.c. 3 Top 20 consolidated/parent counterparties ranked by BHC/IHC Scenario Stressed Net CE

|  | Counterparty identifiers |  |  |  |  |  |  | Credit Quality Data |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | Counterparty name | Counterparty ID | Legal Entity Identifier (LEI) | Netting set ID (optional) | Sub-netting set ID (optional) | Industry Code | Country | Internal rating | External rating |
| 1 |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |


|  | Exposure and Position Data |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | Gross CE | Stressed Gross CE FR Scenario (Severely Adverse) | Stressed <br> Gross CE <br> FR Scenario (Adverse) | Stressed Gross CE BHC/IHC scenario | Net CE | Stressed Net <br> CE <br> FR Scenario (Severely Adverse) | Stressed <br> Net CE <br> FR Scenario (Adverse) | Stressed <br> Net CE <br> BHC/IHC <br> scenario | Total Notional | New Notional During Quarter | Weighted <br> Average <br> Maturity | Position MtM | Total Net Collateral |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |


|  | CVA Data |  |  |  | Credit Mitigants |  |  | Credit Hedges |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | CVA | Stressed CVA FR Scenario and FR Specification (Severely Adverse) | Stressed CVA <br> FR Scenario and FR Specification (Adverse) | Stressed CVA BHC/IHC Scenario and BHC/IHC specification | CSA in place? | \% <br> Gross CE with CSAs | Downgrade <br> trigger modeled? | Single Name Credit Hedges |
| 1 |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |

Sub-schedule L.1.d. 1 Top 20 consolidated/parent collateralized counterparties ranked by Gross CE (counterparties with at least one netting set with a CSA agreement in place) \$ Millions


|  | Exposure and Position Data |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | Stressed Gross <br> CE <br> BHC/IHC <br> scenario | Net CE | Stressed Net CE <br> FR Scenario <br> (Severely Adverse) | Stressed Net CE FR Scenario (Adverse) | Stressed Net CE BHC/IHC Scenario | Total Notional | New Notional During Quarter | Weighted <br> Average <br> Maturity | Position MtM | Total Net Collateral |
| 1 |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |  |


|  | CVA Data |  |  |  | Credit Mitigants |  |  | Credit Hedges |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | CVA | Stressed CVA <br> FR Scenario and FR Specification (Severely Adverse) | Stressed CVA <br> FR Scenario and FR Specification (Adverse) | Stressed CVA BHC/IHC Scenario and BHC/IHC Specification | CSA in place? | \% <br> Gross CE with CSAs | Downgrade trigger modeled? | Single Name Credit Hedges |
| 1 |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |

Sub-schedule L.1.d. 2 Top 20 consolidated/parent collateralized counterparties ranked by Federal Reserve Severely Adverse Scenario Stressed Gross CE (counterparties with at least one netting set with a CSA agreement in place) \$ Millions

|  | Counterparty Identifiers |  |  |  |  |  |  | Credit Quality Data |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | Counterparty name | Counterparty ID | Legal Entity Identifier (LEI) | Netting set ID (optional) | Sub-netting set ID (optional) | Industry Code | Country | Internal rating | External rating | Gross CE | Stressed Gross CE <br> FR Scenario <br> (Severely Adverse) | Stressed Gross CE FR Scenario (Adverse) |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |  |  |  |


|  | Exposure and Position Data |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | Stressed Gross <br> CE BHC/IHC scenario | Net CE | Stressed Net CE <br> FR Scenario <br> (Severely Adverse) | Stressed Net CE FR Scenario (Adverse) | Stressed Net <br> CE <br> BHC/IHC <br> Scenario | Total Notional | New Notional During Quarter | Weighted <br> Average <br> Maturity | Position MtM | Total Net Collateral |
| 1 |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |  |


|  | CVA Data |  |  |  | Credit Mitigants |  |  | Credit Hedges |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | CVA | Stressed CVA <br> FR Scenario and FR Specification (Severely Adverse) | Stressed CVA <br> FR Scenario and FR Specification (Adverse) | Stressed CVA BHC/IHC Scenario and BHC/IHC Specification | CSA in place? | \% Gross CE with CSAs | Downgrade trigger modeled? | Single Name Credit Hedges |
| 1 |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |
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| 19 |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |

Sub-schedule L.1.e - Aggregate CVA data by ratings and collateralization \$ Millions


| Reserve Type |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Reserve Type | $\begin{gathered} \text { Gross CE } \\ \text { excluding } \\ \text { CCPs } \end{gathered}$ | Gross CE to CCPs | Stressed <br> Gross CE excluding CCPs <br> FR Scenario (Severely Adverse) | Stressed Gross CE to CCPs <br> FR Scenario (Severely Adverse) | Stressed Gross CE excluding CCPs FR Scenario (Adverse) |
| Model/infrastructure limitations <br> Trades not captured <br> Offline reserves <br> Funding Valuation Adjustment (if applicable) |  |  |  |  |  |
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| Other |  |  |  |  |  |


| Exposure Data |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stressed Gross CE <br> to CCPs <br> FR Scenario (Adverse) | Stressed Gross CE <br> BHC/IHC scenario | Net CE excluding CCPs | Net CE to CCPs | Stressed <br> Net CE excluding CCPs <br> FR Scenario (Severely Adverse) | Stressed <br> Net CE <br> to CCPs <br> FR Scenario <br> (Severely <br> Adverse) | Stressed <br> Net CE excluding CCPs <br> FR Scenario (Adverse) | Stressed <br> Net CE <br> to CCPs <br> FR Scenario <br> (Adverse) |


| Exposure Data |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stressed Gross CE to CCPs FR Scenario (Adverse) | Stressed Gross CE <br> BHC/IHC scenario | Net CE excluding CCPs | Net CE to CCPs | Stressed <br> Net CE <br> excluding CCPs <br> FR Scenario (Severely Adverse) | Stressed <br> Net CE <br> to CCPs <br> FR Scenario <br> (Severely <br> Adverse) | Stressed <br> Net CE excluding CCPs <br> FR Scenario (Adverse) | Stressed <br> Net CE <br> to CCPs <br> FR Scenario <br> (Adverse) |
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|  | CVA Data |  |  |  | Credit Hedges |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| Stressed |  |  |  |  |  |
| Net CE |  |  |  |  |  |
| BHC/IHC Scenario |  |  |  |  |  |


|  | CVA Data |  |  |  | Credit Hedges |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Stressed <br> Net CE <br> BHC/IHC Scenario | CVA | Stressed CVA <br> FR Scenario and FR <br> Specification <br> (Severely Adverse) | Stressed CVA <br> FR Scenario and FR <br> Specification (Adverse) | Stressed CVA BHC/IHC Scenario and BHC/IHC Specification | Single Name Credit Hedges |
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Sub-schedule L.1.e. 3 Collateralized Netting Sets (netting sets with a CSA agreement in place) sorted by Internal Rating

| Ratings Category |  |  |  | Stressed <br> Internal <br> Rating |  |  |  |  | External Rating |  | Stressed <br> Gross CE <br> excluding <br> CCPs <br> Gross CE to <br> CCPs | Stressed Gross CE <br> excluding CCPs <br> FR Scenario <br> (Adverse) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

Sub-schedule L.1.e.4 Uncollateralized netting sets (netting sets without a CSA agreement in place), sorted by Internal Rating

| Ratings Category |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Internal rating | External rating | ```Gross CE excluding CCPs``` | Gross CE to CCPs | Stressed Gross CE excluding CCPs <br> FR Scenario (Severely Adverse) | Stressed Gross CE to CCPs FR Scenario (Severely Adverse) | Stressed Gross CE excluding CCPs FR Scenario (Adverse) |
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| Exposure Data |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stressed Gross CE to CCPs FR Scenario (Adverse) | Stressed Gross CE <br> BHC/IHC scenario | Net CE excluding CCPs | $\begin{aligned} & \text { Net CE to } \\ & \text { CCPs } \end{aligned}$ | Stressed <br> Net CE excluding CCPs <br> FR Scenario (Severely Adverse) | Stressed <br> Net CE <br> to CCPs <br> FR Scenario <br> (Severely <br> Adverse) | Stressed <br> Net CE excluding CCPs <br> FR Scenario (Adverse) | Stressed <br> Net CE <br> to CCPs <br> FR Scenario <br> (Adverse) |
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| Exposure Data |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stressed Gross CE to CCPs FR Scenario (Adverse) | Stressed Gross CE <br> BHC/IHC scenario | Net CE excluding CCPs | Net CE to CCPs | Stressed <br> Net CE excluding CCPs <br> FR Scenario (Severely Adverse) | Stressed <br> Net CE <br> to CCPs <br> FR Scenario <br> (Severely <br> Adverse) | Stressed <br> Net CE excluding CCPs <br> FR Scenario (Adverse) | Stressed <br> Net CE <br> to CCPs <br> FR Scenario <br> (Adverse) |
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|  | CVA Data |  |  |  | Credit Hedges |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Stressed <br> Net CE <br> BHC/IHC Scenario | CVA | Stressed CVA <br> FR Scenario and FR <br> Specification <br> (Severely Adverse) | SR <br> Stressed CVA <br> Scenario and FR <br> Specification <br> (Adverse) | Stressed CVA <br> BHC/IHC Scenario <br> and BHC/IHC <br> Specification | Single Name Credit <br> Hedges |
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|  | CVA Data |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Stressed <br> Net CE |  |  |  |  |  |
| BHC/IHC Scenario |  |  |  |  |  |$\quad$ CVA | Credit Hedges |
| :---: |

Sub-schedule L. 2 EE profile by counterparty: Top counterparties comprising 95\% of firm CVA, ranked by CVA
\$ Millions

|  | Counterparty Identifiers |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | Counterparty name | Counterparty ID | Legal Entity Identifier (LEI) | Netting set ID (optional) | Sub-netting set ID (optional) | Industry Code | Country | Internal <br> Rating | External <br> Rating |
|  |  |  |  |  |  |  |  |  |  |
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|  | CVA Inputs |  |  |  |  | Stressed CVA InF |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | Tenor Bucket in Years | EE BHC/IHC <br> Specificat ion | Marginal PD | LGD (CVA) | Discount Factor | Stressed EE - FR <br> Scenario \& FR <br> Specification (Severely Adverse) | Stressed EE - FR <br> Scenario \& FR <br> Specification <br> (Adverse) | Stressed EE BHC/IHC Scenario \& BHC/IHC Specification | Stressed Marginal PD FR Scenario (Severely Adverse) | Stressed Marginal PD FR Scenario (Adverse) |
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| buts |  |  |  |  | Stressed CVA Inputs |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | Stressed Marginal PD BHC/IHC Scenario | Stressed LGD (CVA) FR Scenario (Severely Adverse) | Stressed LGD (CVA) FR Scenario (Adverse) | Stressed LGD (CVA) BHC/IHC Scenario | Stressed LGD (PD) FR Scenario (Severely Adverse) | Stressed LGD (PD) FR Scenario (Adverse) | Stressed LGD (PD) BHC/IHC Scenario | Stressed <br> Discount <br> Factor <br> FR Scenario (Severely Adverse) | Stressed <br> Discount <br> Factor <br> FR Scenario (Adverse) | Stressed Discount Factor BHC/IHC Scenario |
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## Sub-schedule L. 3 Credit quality by counterparty: Top counterparties ranked by CVA comprising 95\% of firm CVA, ranked by CVA

|  | Counterparty and Time Identifiers |  |  |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | Counterparty <br> name | Counterparty <br> ID | Legal Entity <br> Identifier <br> (LEI) | Netting set <br> ID <br> (optional) | Sub-netting set ID <br> (optional) | Industry Code | Country | Internal <br> rating | External <br> rating | Time <br> period <br> (years) |
|  |  |  |  |  |  |  |  |  |  |  |
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|  | Data Inputs |  |  |  |  |  | Type of Credit Quality Input |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | Market spread (bps) | Spread adjustment (bps) | Spread (bps) used in CVA calculation | Stressed spreads (bps) FR Scenario (Severely Adverse) | Stressed spreads (bps) FR Scenario (Adverse) | Stressed <br> spreads <br> (bps) <br> BHC <br> Scenario | Mapping approach | Proxy mapping approach | Proxy name | Market input type | Ticker / identifier | Report date | Source (Bloomberg , Markit, KMV, etc.) | Comments |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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Sub-schedule L. 4
L.4.a Aggregate by Risk Factor
L.4.b Top CVA sensitivites by Risk Factor

Change to asset-side CVA for a given change in the underlying risk factor, gross of any hedges.
\$ Millions, Increase in CVA reported as positive figure

| Credit Spreads | Aggregate CVA sensitivities and slides |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | -50\% | -10\% | +1bp | +10\% | +100\% | +300\% | +1bp | +1bp |
|  |  |  |  |  |  |  | <<Cpty name 1>> <<Cpty name 1 ID>> | <<Cpty name 2>> <<Cpty name 2 ID>> |
|  |  |  |  |  |  |  |  |  |
| Aggregate by rating: |  |  |  |  |  |  |  |  |
| AAA |  |  |  |  |  |  |  |  |
| AA |  |  |  |  |  |  |  |  |
| A |  |  |  |  |  |  |  |  |
| BBB |  |  |  |  |  |  |  |  |
| BB |  |  |  |  |  |  |  |  |
| $\operatorname{cccorb}^{\text {B }}$ |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NR |  |  |  |  |  |  |  |  |
| Interest Rates (bps) | -100bps | -10bps | +1bp | +10bps | +100bps | +300bps | +1bp | +1bp |
| $\begin{gathered} \text { EUR } \\ <=1 Y \\ 1-5 Y \end{gathered}$ |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| $\begin{array}{r} >=5-10 Y \\ >=10 Y \end{array}$ |  |  |  |  |  |  | <<Cpty name 1 ID>> | <<Cpty name 2>> <br> <<Cpty name 2 ID>> |
| All Maturities |  |  |  |  |  |  |  |  |
| GBP |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <=1Y |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| >=10Y |  |  |  |  |  |  | <<Cpty name 1 ID>> | <<Cpty name 2>> <<Cpty name 2 ID>> |
| All Maturities |  |  |  |  |  |  |  |  |
| USD |  |  |  |  |  |  |  |  |
| $<=1 Y$ |  |  |  |  |  |  |  |  |
| 1-5Y |  |  |  |  |  |  |  |  |
| $\begin{array}{r} >=5-10 Y \\ >=10 \mathrm{Y} \end{array}$ |  |  |  |  |  |  | <<Cpty name 1>> <br> <<Cpty name 1 ID>> | <<Cpty name 2>> <br> <<Cpty name 2 ID>> |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| All maturities |  |  |  |  |  |  |  |  |


| Top 10 Counterparties by Sensitivity to Risk Factors |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| +1bp | +1bp | +1bp | +1bp | +1bp | +1bp | +1bp | +1bp |
| <<Cpty name 3>> <br> <<Cpty name 3 ID>> | <<Cpty name 4>> <br> <<Cpty name 4 ID>> | <<Cpty name 5>> <br> <<Cpty name 5 ID>> | <<Cpty name 6>> <br> <<Cpty name 6 ID>> | <<Cpty name 7>> <br> <<Cpty name 7 ID>> | <<Cpty name 8>> <<Cpty name 8 ID>> | <<Cpty name 9>> <br> <<Cpty name 9 ID>> | <<Cpty name 10>> <<Cpty name 10 ID>> |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| <<Cpty name 3>> <br> <<Cpty name 3 ID>> | <<Cpty name 4>> <<Cpty name 4 ID>> | <<Cpty name 5>> <br> <<Cpty name 5 ID>> | <<Cpty name 6>> <br> <<Cpty name 6 ID>> | <<Cpty name 7>> <br> <<Cpty name 7 ID>> | <<Cpty name 8>> <br> <<Cpty name 8 ID>> | <<Cpty name 9>> <br> <<Cpty name 9 ID>> | <<Cpty name 10>> <br> <<Cpty name 10 ID>> |
|  |  |  |  |  |  |  |  |
| <<Cpty name 3>> <<Cpty name 3 ID>> | <<Cpty name 4>> <<Cpty name 4 ID>> | <<Cpty name 5>> <<Cpty name 5 ID>> | <<Cpty name 6>> <<Cpty name 6 ID>> | <<Cpty name 7>> <<Cpty name 7 ID>> | <<Cpty name 8>> <<Cpty name 8 ID>> | <<Cpty name 9>> <<Cpty name 9 ID>> | <<Cpty name 10>> <<Cpty name 10 ID>> |
|  |  |  |  |  |  |  |  |
| <<Cpty name 3>> <<Cpty name 3 ID>> | <<Cpty name 4>> <<Cpty name 4 ID>> | <<Cpty name 5>> <br> <<Cpty name 5 ID>> | <<Cpty name 6>> <<Cpty name 6 ID>> | <<Cpty name 7>> <<Cpty name 7 ID>> | <<Cpty name 8>> <<Cpty name 8 ID>> | <<Cpty name 9>> <<Cpty name 9 ID>> | <<Cpty name 10>> <<Cpty name 10 ID>> |
|  |  |  |  |  |  |  |  |


| Other material IR sensitivities |  |  |  |  |  |  |  |  |
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| <<Insert name/ definition>> |  |  |  |  |  |  |  |  |
| <<Insert name/ definition>> |  |  |  |  |  |  |  |  |
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| <<Insert name/ definition>> |  |  |  |  |  |  |  |  |
| <<Insert name/ definition>> |  |  |  |  |  |  |  |  |
| FX (\%) | -50\% | -10\% | +1\% | +10\% | +50\% | +100\% | +1\% | +1\% |
|  |  |  |  |  |  |  | <<Cpty name 1>> <<Cpty name 1 ID>> | <<Cpty name 2>> <<Cpty name 2 ID>> |
| CAD |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | <<Cpty name 1>> <br> <<Cpty name 1 ID>> | <<Cpty name 2>> <br> <<Cpty name 2 ID>> |
| CHF |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | <<Cpty name 1>> <<Cpty name 1 ID>> | <<Cpty name 2>> <<Cpty name 2 ID>> |
| EUR |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | <<Cpty name 1>> <<Cpty name 1 ID>> | <<Cpty name 2>> <<Cpty name 2 ID>> |
| GBP |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | <<Cpty name 1>> <<Cpty name 1 ID>> | <<Cpty name 2>> <<Cpty name 2 ID>> |
| JPY |  |  |  |  |  |  |  |  |
| Other material FX sensitivities |  |  |  |  |  |  |  |  |
| <<Insert name/ definition>> |  |  |  |  |  |  |  |  |
| <<Insert name/ definition>> |  |  |  |  |  |  |  |  |
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| <<Insert name/ definition>> |  |  |  |  |  |  |  |  |
| <<Insert name/ definition>> |  |  |  |  |  |  |  |  |
| Equity (\%) | -50\% | -10\% | +1\% | +10\% | +50\% | +100\% | +1\% | +1\% |
|  |  |  |  |  |  |  | <<Cpty name 1>> <<Cpty name 1 ID>> | <<Cpty name 2>> <<Cpty name 2 ID>> |
| US <<Define>> |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | <<Cpty name 1>> <<Cpty name 1 ID>> | <<Cpty name 2>> <<Cpty name 2 ID>> |
| Europe <<Define>> |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | <<Cpty name 1>> <<Cpty name 1 ID>> | <<Cpty name 2>> <<Cpty name 2 ID>> |
| Other <<Define>> |  |  |  |  |  |  |  |  |


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| +1\% | +1\% | +1\% | +1\% | +1\% | +1\% | +1\% | +1\% |
| <<Cpty name 3>> <<Cpty name 3 ID>> | <<Cpty name 4>> <<Cpty name 4 ID>> | <<Cpty name 5>> <<Cpty name 5 ID>> | <<Cpty name 6>> <<Cpty name 6 ID>> | <<Cpty name 7>> <<Cpty name 7 ID>> | <<Cpty name 8>> <<Cpty name 8 ID>> | <<Cpty name 9>> <<Cpty name 9 ID>> | <<Cpty name 10>> <<Cpty name 10 ID>> |
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| <<Cpty name 3>> <<Cpty name 3 ID>> | <<Cpty name 4>> <<Cpty name 4 ID>> | <<Cpty name 5>> <<Cpty name 5 ID>> | <<Cpty name 6>> <<Cpty name 6 ID>> | <<Cpty name 7>> <<Cpty name 7 ID>> | <<Cpty name 8>> <<Cpty name 8 ID>> | <<Cpty name 9>> <<Cpty name 9 ID>> | <<Cpty name 10>> <<Cpty name 10 ID>> |
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| <<Cpty name 3>> <br> <<Cpty name 3 ID>> | <<Cpty name 4>> <br> <<Cpty name 4 ID>> | <<Cpty name 5>> <<Cpty name 5 ID>> | <<Cpty name 6>> <<Cpty name 6 ID>> | <<Cpty name 7>> <<Cpty name 7 ID>> | <<Cpty name 8>> <<Cpty name 8 ID>> | <<Cpty name 9>> <br> <<Cpty name 9 ID>> | <<Cpty name 10>> <<Cpty name 10 ID>> |
|  |  |  |  |  |  |  |  |
| <<Cpty name 3>> <<Cpty name 3 ID>> | <<Cpty name 4>> <<Cpty name 4 ID>> | <<Cpty name 5>> <<Cpty name 5 ID>> | <<Cpty name 6>> <<Cpty name 6 ID>> | <<Cpty name 7>> <<Cpty name 7 ID>> | <<Cpty name 8>> <<Cpty name 8 ID>> | <<Cpty name 9>> <<Cpty name 9 ID>> | <<Cpty name 10>> <<Cpty name 10 ID>> |
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| <<Cpty name 3>> <<Cpty name 3 ID>> | <<Cpty name 4>> <<Cpty name 4 ID>> | <<Cpty name 5>> <<Cpty name 5 ID>> | <<Cpty name 6>> <<Cpty name 6 ID>> | <<Cpty name 7>> <<Cpty name 7 ID>> | <<Cpty name 8>> <<Cpty name 8 ID>> | <<Cpty name 9>> <<Cpty name 9 ID>> | <<Cpty name 10>> <<Cpty name 10 ID>> |
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|  |  |  |  |  |  |  |  |
| +1\% | +1\% | +1\% | +1\% | +1\% | +1\% | +1\% | +1\% |
| <<Cpty name 3>> <<Cpty name 3 ID>> | <<Cpty name 4>> <<Cpty name 4 ID>> | <<Cpty name 5>> <<Cpty name 5 ID>> | <<Cpty name 6>> <<Cpty name 6 ID>> | <<Cpty name 7>> <<Cpty name 7 ID>> | <<Cpty name 8>> <<Cpty name 8 ID>> | <<Cpty name 9>> <<Cpty name 9 ID>> | <<Cpty name 10>> <<Cpty name 10 ID>> |
|  |  |  |  |  |  |  |  |
| <<Cpty name 3>> <<Cpty name 3 ID>> | <<Cpty name 4>> <br> <<Cpty name 4 ID>> | <<Cpty name 5>> <br> <<Cpty name 5 ID>> | <<Cpty name 6>> <<Cpty name 6 ID>> | <<Cpty name 7>> <<Cpty name 7 ID>> | <<Cpty name 8>> <br> <<Cpty name 8 ID>> | <<Cpty name 9>> <<Cpty name 9 ID>> | <<Cpty name 10>> <<Cpty name 10 ID>> |
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| Other material equity sensitivities |  |  |  |  |  |  |  |  |
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| <<Insert name/ definition>> |  |  |  |  |  |  |  |  |
| <<Insert name/ definition>> |  |  |  |  |  |  |  |  |
| <<Insert name/ definition>> |  |  |  |  |  |  |  |  |
| <<Insert name/ definition>> |  |  |  |  |  |  |  |  |
| <<Insert name/ definition>> |  |  |  |  |  |  |  |  |
| Commodities (\%) | -50\% | -10\% | +1\% | +10\% | +100\% | +300\% | +1\% | +1\% |
|  |  |  |  |  |  |  | <<Cpty name 1>> <<Cpty name 1 ID>> | <<Cpty name 2>> <<Cpty name 2 ID>> |
| Oil \& Oil Products |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | <<Cpty name 1>> <<Cpty name 1 ID>> | <<Cpty name 2>> <<Cpty name 2 ID>> |
| Natural Gas |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | <<Cpty name 1>> <<Cpty name 1 ID>> | <<Cpty name 2>> <<Cpty name 2 ID>> |
| Power |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | <<Cpty name 1>> <<Cpty name 1 ID>> | <<Cpty name 2>> <<Cpty name 2 ID>> |
| Coal \& Freight |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | <<Cpty name 1>> <<Cpty name 1 ID>> | <<Cpty name 2>> <<Cpty name 2 ID>> |
| Softs \& Ags |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | <<Cpty name 1>> <<Cpty name 1 ID>> | <<Cpty name 2>> <<Cpty name 2 ID>> |
| Precious Metals |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | <<Cpty name 1>> <<Cpty name 1 ID>> | <<Cpty name 2>> <<Cpty name 2 ID>> |
| Base Metals |  |  |  |  |  |  |  |  |
| Other material commodity sensitivities |  |  |  |  |  |  |  |  |
| <<Insert name/ definition>> |  |  |  |  |  |  |  |  |
| <<Insert name/ definition>> |  |  |  |  |  |  |  |  |
| Other material sensitivities | -50\% | -10\% | +1\% | +10\% | +50\% | +100\% | +1\% | +1\% |
| <<Insert name/ definition/units>> |  |  |  |  |  |  |  |  |
| <<Insert name/ definition/units>> |  |  |  |  |  |  |  |  |
| <<Insert name/ definition/units>> |  |  |  |  |  |  |  |  |
|  | -50\% | -10\% | +1\% | +10\% | +50\% | +100\% | +1\% | +1\% |
| <<Insert name/ definition/units>> |  |  |  |  |  |  |  |  |
| <<Insert name/ definition/units>> |  |  |  |  |  |  |  |  |
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| +1\% | +1\% | +1\% | +1\% | +1\% | +1\% | +1\% | +1\% |
| <<Cpty name 3>> <br> <<Cpty name 3 ID>> | <<Cpty name 4>> <br> <<Cpty name 4 ID>> | <<Cpty name 5>> <br> <<Cpty name 5 ID>> | <<Cpty name 6>> <<Cpty name 6 ID>> | <<Cpty name 7>> <<Cpty name 7 ID>> | $\begin{gathered} \text { <<Cpty name 8>> } \\ \text { <<Cpty name } 8 \text { ID>> } \end{gathered}$ | $\begin{aligned} & \text { <<Cpty name 9>> } \\ & \text { <<Cpty name } 9 \text { ID>> } \end{aligned}$ | $\begin{gathered} \text { <<Cpty name 10>> } \\ \text { <<Cpty name } 10 \text { ID>> } \end{gathered}$ |
|  |  |  |  |  |  |  |  |
| <<Cpty name 3>> <<Cpty name 3 ID>> | <<Cpty name 4>> <<Cpty name 4 ID>> | <<Cpty name 5>> <br> <<Cpty name 5 ID>> | <<Cpty name 6>> <<Cpty name 6 ID>> | <<Cpty name 7>> <<Cpty name 7 ID>> | <<Cpty name 8>> <<Cpty name 8 ID>> | <<Cpty name 9>> <br> <<Cpty name 9 ID>> | <<Cpty name 10>> <<Cpty name 10 ID>> |
|  |  |  |  |  |  |  |  |
| <<Cpty name 3>> <<Cpty name 3 ID>> | <<Cpty name 4>> <<Cpty name 4 ID>> | <<Cpty name 5>> <<Cpty name 5 ID>> | <<Cpty name 6>> <<Cpty name 6 ID>> | <<Cpty name 7>> <<Cpty name 7 ID>> | $\begin{gathered} \text { <<Cpty name 8>> } \\ \text { <<Cpty name } 8 \text { ID>> } \end{gathered}$ | <<Cpty name 9>> <<Cpty name 9 ID>> | $\begin{gathered} \text { <<Cpty name } 10 \gg \\ \text { <<Cpty name } 10 \text { ID>> } \end{gathered}$ |
|  |  |  |  |  |  |  |  |
| <<Cpty name 3>> <<Cpty name 3 ID>> | <<Cpty name 4>> <<Cpty name 4 ID>> | <<Cpty name 5>> <<Cpty name 5 ID>> | <<Cpty name 6>> <<Cpty name 6 ID>> | <<Cpty name 7>> <<Cpty name 7 ID>> | <<Cpty name 8>> <<Cpty name 8 ID>> | <<Cpty name 9>> <<Cpty name 9 ID>> | <<Cpty name 10>> <<Cpty name 10 ID>> |
|  |  |  |  |  |  |  |  |
| <<Cpty name 3>> <<Cpty name 3 ID>> | <<Cpty name 4>> <br> <<Cpty name 4 ID>> | <<Cpty name 5>> <br> <<Cpty name 5 ID>> | <<Cpty name 6>> <<Cpty name 6 ID>> | <<Cpty name 7>> <<Cpty name 7 ID>> | <<Cpty name 8>> <<Cpty name 8 ID>> | <<Cpty name 9>> <<Cpty name 9 ID>> | <<Cpty name 10>> <<Cpty name 10 ID>> |
|  |  |  |  |  |  |  |  |
| <<Cpty name 3>> <br> <<Cpty name 3 ID>> | <<Cpty name 4>> <<Cpty name 4 ID>> | <<Cpty name 5>> <<Cpty name 5 ID>> | <<Cpty name 6>> <<Cpty name 6 ID>> | <<Cpty name 7>> <<Cpty name 7 ID>> | <<Cpty name 8>> <<Cpty name 8 ID>> | <<Cpty name 9>> <br> <<Cpty name 9 ID>> | <<Cpty name 10>> <<Cpty name 10 ID>> |
|  |  |  |  |  |  |  |  |
| <<Cpty name 3>> <<Cpty name 3 ID>> | <<Cpty name 4>> <br> <<Cpty name 4 ID>> | <<Cpty name 5>> <<Cpty name 5 ID>> | <<Cpty name 6>> <<Cpty name 6 ID>> | <<Cpty name 7>> <<Cpty name 7 ID>> | $\begin{gathered} \text { <<Cpty name 8>> } \\ \text { <<Cpty name } 8 \text { ID>> } \end{gathered}$ | <<Cpty name 9>> <<Cpty name 9 ID>> | <<Cpty name 10>> <<Cpty name 10 ID>> |
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| +1\% | +1\% | +1\% | +1\% | +1\% | +1\% | +1\% | +1\% |
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| +1\% | +1\% | +1\% | +1\% | +1\% | +1\% | +1\% | +1\% |
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Sub-schedule L. 5 - Derivatives and Securities Financing Transactions (SFT) profile: All CCPs and G7 sovereigns + Top 25 non-CCP/G7 SFT and derivative counterparties ranked by methodologies in FR-14Q instructions.

## \$ Millions

Sub-schedule L.5.1 - Derivative and SFT information by counterparty legal entity and netting set/agreement


| 1 | 1 CPName1 | CP1 | CP1_LE_Name1 | CP_1_LE_1 | NS1_1_1 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 1 CPName1 | CP1 | CP1_LE_Name1 | CP_1_LE_1 | NS1_1_2 |
| 1 | 1 CPName1 | CP1 | CP1_LE_Name2 | CP_1_LE_2 | NS1_2_1 |
| 1 | 24 CPName24 | CP24 | CP24_LE_Name1 | CP_24_LE_1 | NS24_1_1 |
| 1 | 24 CPName24 | CP24 | CP24_LE_Name2 | CP_24_LE_2 | NS24_2_1 |
| 1 | 25 CPName25 | CP25 | CP25_LE_Name1 | CP_25_LE_1 | NS25_1_1 |
| CCP | CCP Designated CCP name | CCP_1 | CCP_1_LE_Name1 | CCP_1_LE_1 | NS26_CCP_1_1 |
| G7 | G7 G7 Counterparty name | G7_1 | G7_1_LE_Name1 | G7_1_LE_1 | NS27_G7_1_1 |


| Netting Agreement Details |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Agreement Type | Agreement Role | $\begin{gathered} \text { Legal } \\ \text { Enforceability } \end{gathered}$ | Initial Margin | Non-cash collateral type | Excess <br> Variation Margin (for CCPs) | Default Fund (for CCPs) | Threshold CP | Threshold BHC/IHC |


| Derivatives 1-way CSA | NA |
| :--- | :--- |
| Derivatives no CSA | NA |
| SFT Repo | Principal |
| SFT Sec Lending | Principal |
| SFT Cross-product | Agent |
| SFT Derivatives Cross-product | Agent |



| None |
| ---: |
| None |
| None |
| None |
| None |
| Specific |
| General |



| Position MtM Values |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stressed <br> MtM <br> Received (SFTs) FR scenario (Adverse) | Unstressed MtM Cash Collateral (Derivatives) |  |  |  |  | Total Unstressed MtM Collateral (Derivatives) | Stressed MtM Cash Collateral (Derivatives) <br> FR scenario (Severely Adverse) |  |  |  |
|  | USD | EUR | GBP | JPY | Other |  | USD | EUR | GBP | JPY |


|  | Credit Quality and CDS Hedges |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Stressed MtM Cash Collateral (Derivatives) <br> FR scenario <br> (Adverse) |  |  |  |  | Total Stressed MtM Collateral (Derivatives) FR scenario (Severely Adverse) | Total Stressed MtM Collateral (Derivatives) FR scenario (Adverse) | cDs Reference Entity Type | $\begin{array}{\|c\|} \hline 5 \mathrm{Y} \text { CDS } \\ \text { Spread (bp) } \end{array}$ | Counterp arty Legal Entity Identifier (LEI) | Wrong Way Risk hedge? | CDS <br> Hedge <br> Notional | Stressed <br> CVA <br> FR scenario (Severely Adverse) | Stressed <br> CVA FR scenario (Adverse) |
| Other | USD | EUR | GBP | JPY | Other |  |  |  |  |  |  |  |  |  |

Sub-schedule L.5.2 - SFT assets posted and received by counterparty legal entity and netting set/agreement and asset category


Sub-schedule L.5.3-Aggregate SFTs by Internal Rating

|  |  |  |  |  |  |  |  | Repo and Reverse Repo - Gross Value of Instruments on Reporting Date |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ratings <br> Category |  |  | xposure Data |  |  |  |  | US Tre | Agency | Agency MBS |
| Internal rating | External rating | Net CE | Stressed Net <br> CE <br> FR scenario (Severely Adverse) | Stressed Net CE FR scenario (Adverse) | Stressed Net CE BHC scenario | Indemnified <br> Securities Lent (Notional Balance) | Indemnified Cash Collateral Reinvestment (Notional Balance) | Posted | Received | Posted |


| Unstressed MtM (Posted) by Asset category |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Central Debt MtM (Posted) |  | Equity MtM (Posted) |  |  |  |  | Corporate Bonds Advanced Economies MtM (Posted) |  |
| Japan | Other | US | CAD | UK | Eurozone | Other Economies (specify) | IG | Sub-IG |


| Repo and Reverse Repo - Gross Value of Instruments on Reporting Date |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Agency MBS | Equities |  | Corporate Bonds |  | Non-Agency (ABS, RMBS) |  | Sovereigns |  |
| Received | Posted | Received | Posted | Received | Posted | Received | Posted | Received |


| Unstressed MtM (Posted) by Asset category |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | nds - <br> mies <br> d) | Exchange-Traded Funds MtM (Posted) |  | US Agency MBS/CMBS MtM (Posted) |  | Non-Agency RMBS/ABS/CMBS MtM (Posted) |  |  |  |
| IG | Sub-IG | Equity | Fixed Income | Pass-Throughs | Other (specify) | IG | Sub-IG | USD | EUR |


| Repo and Reverse Repo - Gross Value of Instruments on Reporting Date |  |  |  | Securities Lending and Borrowing - Gross Value of Instruments |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Other |  | Cash (+/-) |  | US Treasury \& Agency |  | Agency MBS |  | Equities |  |
| Posted | Received | Posted | Received | Posted | Received | Posted | Received | Posted | Received |


| Unstressed MtM (Posted) by Asset Category |  |  |  |  |  |  | Unstressed MtM (Received) by Asset category |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MtM |  |  | Other MtM (Posted) |  |  |  | Central Debt MtM (Received) |  |  |  |
| GBP | JPY | Other (specify) | Inflationindexed securities | Commercial paper | Municipal Bonds | Other (specify) | United States | Germany | United Kingdom \& France | Other Eurozone |


| on Reporting Date |  |  | Securities Lending and Borrowing - Gross Value of Instruments on Reporting Date |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Corporate Bonds |  | Non-Agency (ABS, RMBS) |  | Sovereigns |  | Other |  | Cash |  |
| Posted | Received | Posted | Received | Posted | Received | Posted | Received | Posted | Received |



| Unstressed MtM (Received) by Asset category |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Exchan <br> Mt | ded Funds eived) | US Agency MBS/CMBS MtM (Received) |  | Non-Agency RMBS/ABS/CMBS MtM (Received) |  | Cash MtM (Received) |  |  |  |  | Other MtM (Received) |  |  |  |
| Equity | Fixed Income | Pass-Throughs | Other (specify) | IG | Sub-IG | USD | EUR | GBP | JPY | Other (specify) | Inflationindexed securities | Commerci al paper | Municipal Bonds | Other (specify) |


| Stressed MtM (Posted) by Asset category - FR Scenario (Severely Adverse) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Central Debt Stressed MtM (Posted) FR Scenario (Severely Adverse) |  |  |  |  |  | Equity <br> Stressed MtM (Posted) <br> FR Scenario (Severely Adverse) |  |  |  |  | Corporate Bonds - <br> Advanced Economies Stressed MtM (Posted) FR Scenario (Severely Adverse) |  | Corporate Bonds - <br> Other Economies Stressed MtM (Posted) <br> FR Scenario (Severely Adverse) |  |
| United States | Germany | United Kingdom \& France | Other Eurozone | Japan | Other | US | CAD | UK | Eurozone | Other Economies (specify) | IG | Sub-IG | IG | Sub-IG |


| Stressed MtM (Posted) by Asset category - FR Scenario (Severely Adverse) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Exchange Stressed FR (Sever | raded Funds <br> tM (Posted) <br> cenario <br> Adverse) | US Agency MBS/CMBS Stressed MtM (Posted) FR Scenario (Severely Adverse) |  | Non-Agency RMBS/ABS/CMBS Stressed MtM (Posted) FR Scenario (Severely Adverse) |  | Cash Stressed MtM (Posted) FR Scenario (Severely Adverse) |  |  |  |  | Other Stressed MtM (Posted) FR Scenario (Severely Adverse) |  |  |  |
| Equity | Fixed Income | PassThroughs | Other (specify) | IG | Sub-IG | USD | EUR | GBP | JPY | Other | Inflationindexed securities | Commerci al paper | Municipal Bonds | Other (specify) |


| Stressed MtM (Posted) by Asset category - FR Scenario (Adverse) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Central Debt Stressed MtM (Posted) FR Scenario (Adverse) |  |  |  |  |  | Equity <br> Stressed MtM (Posted) <br> FR Scenario (Adverse) |  |  |  |  | Corporate Bonds Advanced Economies Stressed MtM (Posted) FR Scenario (Adverse) |  | Corporate Bonds - <br> Other Economies Stressed MtM (Posted) FR Scenario (Adverse) |  |
| United States | Germany | United Kingdom \& France | Other <br> Eurozone | Japan | Other | US | CAD | UK | Eurozone | Other Economies (specify) | IG | Sub-IG | IG | Sub-IG |


| Stressed MtM (Posted) by Asset category - FR Scenario (Adverse) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Exchange-Traded <br> Funds <br> Stressed MtM <br> (Posted) <br> FR Scenario <br> (Adverse) |  | US Agency MBS/CMBS Stressed MtM (Posted) <br> FR Scenario (Adverse) |  | Non-Agency RMBS/ABS/CMBS Stressed MtM (Posted) FR Scenario (Adverse) |  |  | Stress | ash tM (P enario erse) |  |  |  |  | her M (Posted) nario erse) |  |
| Equity | Fixed Income | PassThroughs | Other (specify) | IG | Sub-IG | USD | EUR | GBP | JPY | Other (specify) | Inflationindexed securities | Commerci al paper | Municipal s-Bonds | Other (specify) |


| Stressed MtM (Received) by Asset category - FR Scenario (Severely Adverse) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Central Debt <br> Stressed MtM (Received) <br> FR Scenario <br> (Severely Adverse) |  |  |  |  |  | Equity <br> Stressed MtM (Received) <br> FR Scenario (Severely Adverse) |  |  |  |  | Corporate Bonds - <br> Advanced Economies Stressed MtM (Received) FR Scenario (Severely Adverse) |  | Corporate Bonds Other Economies Stressed MtM (Received) FR Scenario (Severely Adverse) |  |
| United States | Germany | United Kingdom \& France | Other Eurozone | Japan | Other | US | CAD | UK | Eurozone | Other Economies (specify) | IG | Sub-IG | IG | Sub-IG |


| Stressed MtM (Received) by Asset category - FR Scenario (Severely Adverse) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ETF-Exchange-Traded Funds Stressed MtM (Received) FR Scenario (Severely Adverse) |  | US Agency MBS/CMBS Stressed MtM (Received) FR Scenario (Severely Adverse) |  | Non-Agency RMBS/ABS/CMBS Stressed MtM (Received) FR Scenario (Severely Adverse) |  | Cash <br> Stressed MtM (Received) <br> FR Scenario (Severely Adverse) |  |  |  |  | Other Stressed MtM (Received) FR Scenario (Severely Adverse) |  |  |  |
| Equity | Fixed Income | Pass- <br> Throughs | Other (specify) | IG | Sub-IG | USD | EUR | GBP | JPY | Other (specify) | Inflationindexed <br> securities | Commerci al paper | Municipal Bonds | Other (specify) |


| Stressed MtM (Received) by Asset category - FR Scenario (Adverse) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Central DebtStressed MtM (Received)FR Scenario(Adverse) |  |  |  |  |  | Equity <br> Stressed MtM (Received) <br> FR Scenario (Adverse) |  |  |  |  | Corporate Bonds -Advanced EconomiesStressed MtM(Received)FR Scenario(Adverse) |  | Corporate Bonds Other Economies Stressed MtM (Received) FR Scenario (Adverse) |  |
| United States | Germany | United <br> Kingdom <br> \& France | Other Eurozone | Japan | Other | US | CAD | UK | Eurozone | Other Economies (specify) | IG | Sub-IG | IG | Sub-IG |


| Stressed MtM (Received) by Asset category - FR Scenario (Adverse) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Exchange-Traded Funds Stressed MtM (Received) FR Scenario (Adverse) |  | US Agency MBS/CMBS Stressed MtM (Received) FR Scenario (Adverse) |  | Non-Agency RMBS/ABS/CMBS Stressed MtM (Received) FR Scenario (Adverse) |  | Cash Stressed MtM (Received) FR Scenario (Adverse) |  |  |  |  | Other Stressed MtM (Received) FR Scenario (Adverse) |  |  |  |
| Equity | Fixed Income | PassThroughs | Other (specify) | IG | Sub-IG | USD | EUR | GBP | JPY | Other (specify) | Inflationindexed securities | Commerci al paper | Municipal s-Bonds | Other (specify) |

Sub-schedule L.5.4 Derivative position detail by counterparty legal entity and netting set/agreement and asset category

| Rank Methodology | Rank | Counterparty Name (Consolidated/parent Organization) | Consolidated / <br> Parent Entity <br> Counterparty <br> ID | Counterparty Legal Entity Name | Legal Entity ID | Netting Set ID | Unstressed Exposure MtM by Asset category |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  | Vanilla Interest Rate Derivatives Unstressed Exposure MtM | Vanilla FX <br> Derivatives <br> Unstressed <br> Exposure MtM | Vanilla Commodity (Cash) Derivatives Unstressed Exposure MtM | Vanilla Credit Derivatives Unstressed Exposure MtM |

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3
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4

| Unstressed Exposure MtM by Asset category |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Vanilla Equity Derivatives Unstressed Exposure MtM | Structured Interest Rate Derivatives Unstressed Exposure MtM | Flow Exotic and Structured FX Derivatives Unstressed Exposure MtM | Other Cash + Physical Commodity Derivatives Unstressed Exposure MtM | Other (single name) Credit Derivatives Unstressed Exposure MtM | Structured (Multi-name) Credit Derivatives Unstressed Exposure MtM | Exotic Equity Derivatives Unstressed Exposure MtM | Hybrids Unstressed Unstressed Exposure MtM | Structured Products (MBS, ABS) Unstressed Exposure MtM |


| Unstressed Exposure MtM by Asset category | Stressed Exposure MtM by Asset category - FR Scenario (Severely Adverse) |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Other Unstressed Exposure MtM (provide details, breakdown) | Vanilla Interest Rate Derivatives Stressed Exposure MtM FR Scenario (Severely Adverse) | Vanilla FX <br> Derivatives <br> Stressed <br> Exposure MtM <br> FR Scenario (Severely <br> Adverse) | Vanilla <br> Commodity (Cash) <br> Derivatives <br> Stressed Exposure <br> MtM <br> FR Scenario <br> (Severely Adverse) | Vanilla Credit <br> Derivatives <br> Stressed <br> Exposure MtM <br> FR Scenario (Severely <br> Adverse) | Vanilla Equity Derivatives Stressed Exposure MtM FR Scenario (Severely Adverse) | Structured Interest Rate Derivatives Stressed Exposure MtM FR Scenario (Severely Adverse) | Flow Exotic and Structured FX Derivatives Stressed Exposure MtM FR Scenario (Severely Adverse) | Other Cash + <br> Physical <br> Commodity <br> Derivatives Stressed <br> Exposure MtM <br> FR Scenario (Severely Adverse) | Other (single name) Credit Derivatives Stressed Exposure MtM FR Scenario (Severely Adverse) |



Stressed Exposure MtM by Asset category - FR Scenario (Adverse)

| Flow Exotic and Structured FX <br> Derivatives Stressed Exposure MtM FR Scenario (Adverse) | Other Cash + <br> Physical <br> Commodity <br> Derivatives <br> Stressed <br> Exposure <br> MtM <br> FR Scenario (Adverse) | Other (single name) Credit <br> Derivatives <br> Stressed <br> Exposure <br> MtM <br> FR Scenario <br> (Adverse) | Structured <br> (Multi- <br> name) Credit <br> Derivatives <br> Stressed <br> Exposure <br> MtM <br> FR Scenario <br> (Adverse) | Exotic Equity Derivatives Stressed Exposure MtM FR Scenario (Adverse) | Hybrids <br> Stressed <br> Exposure MtM <br> FR Scenario (Adverse) | Structured Products (MBS, ABS) <br> Stressed Exposure MtM FR Scenario (Adverse) | Other Stressed Exposure MtM (provide details, breakdown) FR Scenario (Adverse) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

## FR Y-14Q Schedule M - Balances

Institution Name: $\square$
RSSD ID:
$\square$

Date of Data Submission: $\square$

## FR Y-14Q Schedule M. 1 - Balances

|  | Column A In Domestic Officer |  |  |  |  | In International Offices |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Column B HFS/FVO |  | Column C <br> HFI at AC |  | Column D <br> HFS/FVO |
|  |  | HFI at AC |  |  |  |  |  |  |
| 1. Loans secured by real estate |  |  |  |  |  |  |  |  |
| a. Residential real estate (1-4 family) |  |  |  |  |  |  |  |  |
| (1) Closed-end first liens |  |  |  |  |  |  |  |  |
| (a) First mortgages...................................... | CALBP328 |  | CALBP329 |  | CALBP330 |  | CALBP331 |  |
| (b) First lien HELOANs................................. | CALBP332 |  | CALBP333 |  | CALBP334 |  | CALBP335 |  |
| (2) Revolving and junior liens |  |  |  |  |  |  |  |  |
| (a) Junior lien HELOANs. | CALBP336 |  | CALBP337 |  | CALBP338 |  | CALBP339 |  |
| (b) HELOCs................................................. | CALBP340 |  | CALBP341 |  | CALBP342 |  | CALBP343 |  |
| b. Commercial real estate |  |  |  |  |  |  |  |  |
| (1) Construction and land development........... | CALBP344 |  | CALBP345 |  | CALBP346 |  | CALBP347 |  |
| (2) Multifamily real estate... | CALBP348 |  | CALBP349 |  | CALBP350 |  | CALBP351 |  |
| (3) Nonfarm nonresidential |  |  |  |  |  |  |  |  |
| (a) Owner-occupied.................................... | CALBP352 |  | CALBP353 |  | CALBP354 |  | CALBP355 |  |
| (b) Non-owner-occupied.............................. | CALBP356 |  | CALBP357 |  | CALBP358 |  | CALBP359 |  |
| c. Secured by farmland. | CALBP360 |  | CALBP361 |  | CALBP362 |  | CALBP363 |  |
| 2. C\&I Loans |  |  |  |  |  |  |  |  |
| a. Graded....................................................... | CALBP364 |  | CALBP365 |  | CALBP366 |  | CALBP367 |  |
| b. Small business............................................. | CALBP368 |  | CALBP376 |  | CALBP837 |  | CALBP876 |  |
| c. SME cards and corporate cards. | CALBP880 |  | CALBP881 |  | CALBP883 |  | CALBP901 |  |
| 3. Credit Cards |  |  |  |  |  |  |  |  |
| a. Bank cards. | CALBP912 |  | CALBP919 |  | CALBR657 |  | CALBR658 |  |
| b. Charge cards. | CALBR659 |  | CALBR660 |  | CALBR661 |  | CALBR662 |  |
| 4. Other loans and leases |  |  |  |  |  |  |  |  |
| a. Auto loans................................................... | CALBR663 |  | CALBR664 |  | CALBR665 |  | CALBR666 |  |
| b. Student loans............................................... | CALBR667 |  | CALBR668 |  | CALBR669 |  | CALBR670 |  |
| c. Non-purpose lending.................................... | CALBR671 |  | CALBR672 |  | CALBR673 |  | CALBR674 |  |
| d. Auto leases.................................................. | CALBR675 |  | CALBR676 |  | CALBR677 |  | CALBR678 |  |
| e. Other consumer loans.. | CALBR679 |  | CALBR680 |  | CALBR681 |  | CALBR682 |  |
| f. Other consumer leases... | CALBR683 |  | CALBR684 |  | CALBR685 |  | CALBR686 |  |
| 5. Other commercial loans and leases |  |  |  |  |  |  |  |  |
| a. Loans to foreign governments........................ | CALBR687 |  | CALBR688 |  | CALBR689 |  | CALBR690 |  |
| b. Agricultural loans......................................... | CALBR691 |  | CALBR692 |  | CALBR693 |  | CALBR694 |  |
| c. Securities lending.......................................... | CALBR695 |  | CALBR696 |  | CALBR697 |  | CALBR698 |  |
| d. Loans to financial institutions......................... | CALBR699 |  | CALBR700 |  | CALBR701 |  | CALBR702 |  |
| e. Other commercial loans................................. | CALBR703 |  | CALBR704 |  | CALBR705 |  | CALBR706 |  |
| f. Other commercial leases................................ | CALBR707 |  | CALBR708 |  | CALBR709 |  | CALBR710 |  |


|  | In Consolidated Offices |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Column A |  |  | Column B |
|  | HFI at AC |  |  | HFS/FVO |
| 1. Small business loans |  |  |  |  |
| a. Reported in Y-9C, HC-C line 2.a and 2.b. | CALBR711 |  | CALBR712 |  |
| b. Reported in Y-9C, HC-C line 3. | CALBR713 |  | CALBR714 |  |
| c. Reported in Y-9C, HC-C line 4.a and 4.b....................... | CALBR715 |  | CALBR716 |  |
| d. Reported in Y-9C, HC-C line 7................................... | CALBR717 |  | CALBR718 |  |
| e. Reported in Y-9C, HC-C line 9.a. | CALBR719 |  | CALBR720 |  |
| f. Reported in Y-9C, HC-C line 9.b.(2). | CALBR723 |  | CALBR724 |  |
| g. Reported in Y-9C, HC-C line 10.b.. | CALBR725 |  | CALBR726 |  |
| 2. SME cards and corporate cards |  |  |  |  |
| a. Reported in Y-9C, HC-C line 4.a and 4.b. | CALBR727 |  | CALBR728 |  |
| b. Reported in Y-9C, HC-C line 6.a.. | CALBR729 |  | CALBR730 |  |
| c. Reported in Y-9C, HC-C line 6.b.. | CALBR731 |  | CALBR732 |  |
| d. Reported in Y-9C, HC-C line 6.d.................................. | CALBR733 |  | CALBR734 |  |
| e. Reported in Y-9C, HC-C line 9.b.(2). | CALBR735 |  | CALBR736 |  |
| 3. Charge cards |  |  |  |  |
| a. Reported in Y-9C, HC-C line 6.a.. | CALBR737 |  | CALBR738 |  |
| b. Reported in Y-9C, HC-C line 6.d. | CALBR739 |  | CALBR740 |  |
| 4. Student loans |  |  |  |  |
| a. Reported in Y-9C, HC-C line 6.b.................................. | CALBR741 |  | CALBR742 |  |
| b. Reported in Y-9C, HC-C line 6.d. | CALBR743 |  | CALBR744 |  |
| 5. Non-purpose lending |  |  |  |  |
| a. Reported in Y-9C, HC-C line 6.b.................................. | CALBR745 |  | CALBR746 |  |
| b. Reported in Y-9C, HC-C line 6.d. | CALBR747 |  | CALBR748 |  |

FR Y-14 Schedule M. 3 - Unpaid Principal Balance of Retail Loans in Domestic Offices Held for Investment at Amortized Cost by Purchase Credit Impairment

|  | HFI at AC, non-PCI |  |  |  |  | HFI at AC, PCI |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Column A |  |  | Column B | Column C |  |  | Column D <br> UPB |
|  |  | Book Value |  | UPB |  | Book Value |  |  |
| a. Residential real estate (1-4 family) <br> (1) Closed-end first liens |  |  |  |  |  |  |  |  |
| (a) First mortgages.................................... | CALBR751 |  | CALBR752 |  | CALBR753 |  | CALBR754 |  |
| (b) First lien HELOANs.. | CALBR755 |  | CALBR756 |  | CALBR757 |  | CALBR758 |  |
| (2) Revolving and junior liens |  |  |  |  |  |  |  |  |
| (a) Junior lien HELOANs............................ | CALBR759 |  | CALBR760 |  | CALBR761 |  | CALBR762 |  |
| (b) HELOCs..... | CALBR763 |  | CALBR764 |  | CALBR765 |  | CALBR766 |  |
| 2. Credit Cards |  |  |  |  |  |  |  |  |
| a. Bank cards................................................. | CALBR767 |  | CALBR768 |  | CALBR769 |  | CALBR770 |  |
| b. Charge cards............................................ | CALBR771 |  | CALBR772 |  | CALBR773 |  | CALBR774 |  |
| 3. Other consumer loans and leases |  |  |  |  |  |  |  |  |
| a. Auto loans................................................ | CALBR775 |  | CALBR776 |  | CALBR777 |  | CALBR778 |  |
| b. All other consumer loans and leases............. | CALBR779 |  | CALBR780 |  | CALBR781 |  | CALBR782 |  |


[^0]:    Footnotes:
    ${ }^{1}$ Amounts calculated as capital requirements should be converted to risk-weighted assets by multiplying by 12.5.
    ${ }^{2}$ Any assets deducted from capital should not be included in risk-weighted assets.

[^1]:    Vega (\$MM / +1 vol pt) CTRDH089
    Vega (\$MM / +10\% Rel) CTRDно9о Total Vega

