Technical Specifications Guidance

Volcker Rule - Standard

Staffs of:
Commodity Futures Trading Commission (CFTC)
Federal Deposit Insurance Corporation (FDIC)
Federal Reserve Board (FRB)
Office of the Comptroller of the Currency (OCC)
Securities and Exchange Commission (SEC)
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**TECHNICAL GUIDANCE FOR PREPARING AND SUBMITTING QUANTITATIVE MEASUREMENTS**

**Metrics Reporting Requirement**

Each banking entity directly supervised by the [Agency] that meets relevant thresholds specified in § __.20(d) must furnish quantitative measurements, as applicable, for each of its trading desks engaged in covered trading activity.¹ The quantitative measurements must comply with the Appendix. The Instructions for Preparing and Submitting Quantitative Measurement Information (Instructions) provide guidance for the submission of the Narrative Statement, the trading desk information schedule, the quantitative measurements information schedules, and each applicable quantitative measurement to the [Agency].² If a banking entity and one or more of its affiliates are required to report quantitative measurements to the [Agency] pursuant to § __.20(d), the banking entity and its affiliate(s) should prepare one combined submission to the [Agency] that follows the Appendix, the Instructions, this Technical Specifications Guidance, and the XML Schema.

After consultation with staffs of the Agencies, the first group of reporting banking entities submitted their quantitative measurement data electronically in a pipe-delimited flat file format. This specification sets forth an XML Data Standard for reporting Volcker Metrics that supersedes the pipe-delimited legacy format.

**Who Must Report**

Banking entities with $50 billion or more in total trading assets and liabilities³ are required to report metrics for each trading day of the month on a monthly basis to the [Agency]. Banking entities with total trading assets and liabilities equal to or exceeding $10 billion but less than $50 billion are required to report metrics for each trading day of the month on a quarterly basis.⁴

---

¹ A “trading desk” is the smallest discrete unit of organization of a banking entity that purchases or sells financial instruments for the trading account of the banking entity or an affiliate thereof. See § __.3(e)(13); Appendix II. “Covered trading activity” is trading conducted under §§ __.4 (underwriting activity and market making-related activity), __.5 (risk-mitigating hedging), __.6(a) (trading in certain domestic government obligations), or __.6(b) (trading in certain foreign government obligations). A banking entity may also include in its covered trading activity trading conducted under §§ __.3(d) (specified exclusions from proprietary trading), __.6(c) (trading on behalf of customers), __.6(d) (certain trading by insurance companies and their affiliates), or __.6(e) (certain trading by foreign banking entities). See Appendix II.

² See Appendix III.e.

³ The measure of trading assets and liabilities for reporting thresholds is the average gross sum of relevant trading assets and liabilities over the previous consecutive four calendar quarters, as measured on the last day of each of the four prior calendar quarters. Reporting thresholds are determined on a worldwide consolidated basis (or combined U.S. operations basis for foreign banking entities) excluding trading assets and liabilities involving obligations of or guaranteed by the United States or any agency of the United States. Combined U.S. operations of a foreign banking entity include all subsidiaries, affiliates, branches, and agencies of the foreign banking entity operating, located, or organized in the United States. See § __.20(d).

⁴ Quarterly reporters should submit three electronic files per calendar quarter, one for each month during the calendar quarter.
If a banking entity reports metrics on a monthly basis and subsequently determines, pursuant to § __.20(d), that it has total trading assets and liabilities equal to or exceeding $10 billion but less than $50 billion, the banking entity may report metrics on a quarterly basis beginning with the next calendar quarter.

If a banking entity reports metrics on a quarterly basis and subsequently determines, pursuant to § __.20(d), that it has total trading assets and liabilities equal to or exceeding $50 billion or more, the staffs of the Agencies expect that the banking entity will report metrics on a monthly basis beginning with the next calendar quarter.

If a banking entity reports metrics on a monthly or quarterly basis and subsequently determines, pursuant to § __.20(d), that it has total trading assets and liabilities of less than $10 billion, the banking entity is not required to report metrics until the banking entity’s total trading assets and liabilities are $10 billion or more.

If a banking entity has total trading assets and liabilities of less than $10 billion as of December 31, 2016, and subsequently determines, pursuant to § __.20(d), that it has trading assets and liabilities equal to or exceeding $10 billion, the staffs of the Agencies expect that the banking entity will report metrics for each trading day of the month on a monthly or quarterly basis (depending on the size of its trading assets and liabilities) beginning with the next calendar quarter.

Notwithstanding the preceding paragraphs contained in this “Who Must Report” section, pursuant to § __.20(d), [Agency] may notify a banking entity in writing that it must report on a different basis. Additionally, [Agency] may notify a banking entity with less than $10 billion in trading assets and liabilities in writing that it must satisfy the reporting requirements contained in Appendix A.

**Frequency of Reporting**

Banking entities with $50 billion or more in total trading assets and liabilities are required to report metrics for each calendar month within 20 days of the end of each calendar month, unless [Agency] notifies the banking entity in writing that it must report on a different basis. Banking entities with total trading assets and liabilities equal to or exceeding $10 billion but less than $50 billion are required to collect metrics for each calendar month and report these metrics within 30 days of the end of each calendar quarter, unless [Agency] notifies the banking entity in writing that it must report on a different basis.

**Narrative Statement**

The banking entity must submit in a separate electronic document a Narrative Statement to the [Agency] describing any changes in calculation methods used, a description of and reasons for changes

5 See § __.20(d)(3).
6 See § __.20(d)(1)(iii).
7 See § __.20(d)(3).
8 Quarterly reporters should submit three Narrative Statements per calendar quarter, one for each month during the calendar quarter. The Narrative Statements should describe any changes that occurred month-to-month and provide any additional information as relevant to a particular month.
in the banking entity’s trading desk structure or trading desk strategies, and when any such change occurred. The Narrative Statement must include any information the banking entity views as relevant for assessing the information schedules or quantitative measurements, such as a further description of calculation methods used. If a banking entity does not have any information to report in a Narrative Statement, the banking entity must submit an electronic document stating that it does not have any information to report in a Narrative Statement. The banking entity should report the Narrative Statement in Portable Document Format ("PDF").

File Naming Convention

The file naming conventions for the Narrative Statement are:

<table>
<thead>
<tr>
<th>Agency</th>
<th>Naming Convention</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFTC</td>
<td>VV_[Bank RSSD ID]<em>[YYYYMM]</em>[01-99]_CFTC_NARRATIVE.pdf</td>
</tr>
<tr>
<td>FDIC</td>
<td>VV_[Bank RSSD ID]<em>[YYYYMM]</em>[01-99]_FDIC_NARRATIVE.pdf</td>
</tr>
<tr>
<td>FRB</td>
<td>VVQM_[Bank RSSD ID]<em>NARRATIVE</em>[MMDDYY].pdf</td>
</tr>
<tr>
<td>OCC</td>
<td>12CFR44_[Bank RSSD ID]<em>[YYYYMM]</em>[01-99]_OCC_NARRATIVE.pdf</td>
</tr>
<tr>
<td>SEC</td>
<td>VV_[Bank RSSD ID]<em>[YYYYMM]</em>[01-99]_SEC_NARRATIVE.pdf</td>
</tr>
</tbody>
</table>

1. [Bank RSSD ID], use the RSSD ID assigned to the reporting firm
2. [YYYYMM], enter the relevant calendar year and month within the reporting period
3. [MMDDYY], enter the last day of the relevant calendar month-day-year within the reporting period
4. [01-99], enter the version number for the file submission (i.e., a sequential number assigned to each submission for a particular month such that the first submission should be “01,” a resubmission amending the first submission should be “02,” a second resubmission should be “03,” etc.)

XML Technical Specification

Special Characters

Non-printable and special characters are not supported by all systems. They are often translated or interpreted erroneously and may cause data processing issues. There are 256 ASCII characters, including the extended ASCII character set. To reduce confusion over which characters can be processed in Volcker metrics submissions, ASCII characters can be classified in the following groups:

<table>
<thead>
<tr>
<th>ASCII Character</th>
<th>Meaning</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-9, 11-12, 14-31</td>
<td>ASCII control characters</td>
<td>NOT ALLOWED</td>
</tr>
</tbody>
</table>

9 See Appendix III.d.
10 The Instructions provide that quarterly reporters should submit three Narrative Statements per calendar quarter, one for each month during the calendar quarter. As an example, quarterly reporters may enter the following calendar year and months within the [YYYYMM] field for the first quarter in 2017: “201701”, “201702”, and “201703”.
11 See supra note 10.
Control characters for line feed (LF) and carriage return (CR), respectively

Standard printable characters (letters, digits, punctuation marks, miscellaneous symbols)

Control character for DEL (delete)

Extended ASCII (ISO-8859-1)

Many currency denominations and foreign symbols fall under the extended ASCII character set. For this reason, any reference to currency denomination should be reported as the three-letter alphabetic ISO 4217 currency code (e.g., USD, GBP, EUR, JPY) rather than translated currency name or currency symbol (e.g., $, £, €, ¥).

**XML Reserved Characters**

Some characters have special meaning in XML. Characters such as “&” inside an XML data field will generate an error because the parser interprets “&” as the start of an entity reference code. For example, this sample code will generate an XML error:

```
<message> John Doe & Associates</message>
```

To avoid this error, replace the “&” character with its entity reference:

```
<message> John Doe &amp; Associates</message>
```

There are five predefined entity references in XML:

<table>
<thead>
<tr>
<th>Reserved Character</th>
<th>Meaning</th>
<th>Entity Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;</td>
<td>less than</td>
<td>&lt;</td>
</tr>
<tr>
<td>&gt;</td>
<td>greater than</td>
<td>&gt;</td>
</tr>
<tr>
<td>&amp;</td>
<td>ampersand</td>
<td>&amp;</td>
</tr>
<tr>
<td>'</td>
<td>apostrophe</td>
<td>'</td>
</tr>
<tr>
<td>“</td>
<td>quotation mark</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

Replace any reserved character in any data field with the appropriate entity reference.

**Reading the Data Dictionary**

The data dictionary is organized into a table with eight columns. Informational section headings and general descriptions precede the related XML data sequence.

**Item**

Each XML component is numbered to facilitate referencing.
Field

A field name is assigned to each data item. Where applicable, the related Federal Reserve Board’s Micro-Data Reference Manual (MDRM) identifier is paired with the data item and grouped under the item number.

Description

This column describes the item or its value. In some cases, the item is an XML element name; in others, it is an XML attribute name. In the Volcker XML Schema Definition (XSD), elements are containers that reflect the general segment of the report. All data values are entered under the appropriate attribute. The description also contains explanations that are consistent with the Instructions.

Rqmt

This column indicates whether an item is mandatory (M), conditionally required (C), or optional (O). The XSD considers the mandatory fields to be required, while the conditionally required or optional fields are optional. Validation rules may be subsequently applied to the conditionally required or optional fields. The XSD also enforces the MDRM values assigned to each item.

Occurs

This column identifies the number of occurrences permitted for the related item. It consists of two entries separated by double dots. The pair is read as minimum occurrences-to-maximum occurrences.

<table>
<thead>
<tr>
<th>Occurs</th>
<th>Min</th>
<th>Max</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1..1</td>
<td>1</td>
<td>1</td>
<td>Mandatory item, one and only one occurrence</td>
</tr>
<tr>
<td>1..n</td>
<td>1</td>
<td>n</td>
<td>Mandatory item, one to “n” occurrences</td>
</tr>
<tr>
<td>1..*</td>
<td>1</td>
<td>∞</td>
<td>Mandatory item, one to unlimited occurrences</td>
</tr>
<tr>
<td>0..1</td>
<td>0</td>
<td>1</td>
<td>Optional or conditional item, none to one occurrence</td>
</tr>
<tr>
<td>0..n</td>
<td>0</td>
<td>n</td>
<td>Optional or conditional item, none to “n” occurrences</td>
</tr>
<tr>
<td>0..*</td>
<td>0</td>
<td>∞</td>
<td>Optional or conditional item, none to unlimited occurrences</td>
</tr>
</tbody>
</table>

Data Type

This describes the assigned XML notation or data type along with the maximum or absolute length allowed for text or the total and fractional digits allowed for numbers.

<table>
<thead>
<tr>
<th>XML Data Type</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>xs:string</td>
<td>The related item represents a textual string with no maximum length. It is used for attributes with enumerated values.</td>
</tr>
<tr>
<td>xs:string (100)</td>
<td>The related item represents a textual string with a 100-character maximum length.</td>
</tr>
<tr>
<td>xs:decimal (10,2)</td>
<td>The related item represents a decimal number with 10 total digits allowed and 2 fractional digits allowed (12345678.09)</td>
</tr>
<tr>
<td>xs:integer (5)</td>
<td>The related item is a whole number with 5 total digits allowed</td>
</tr>
</tbody>
</table>
xs:nonNegativeInteger (24) An integer containing only non-negative values, including zero (0,1,2,...) with 24 total digits allowed

xs:boolean The related item represents a whole number and uses the values 0=false and 1=true

xs:date Date format: YYYY-MM-DD

xs:time Time format: hh:mm:ss[+-]hh:mm

XPath
This represents the Volcker Metrics Report hierarchical XML element or attribute name.

<table>
<thead>
<tr>
<th>XML Pattern</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;abcdeFghij30&gt;</td>
<td>An XML element that contains attributes with data values. The element represents a specific set of data from the Volcker Rule. This is similar to a “panel” or “subpanel” in the legacy format or a relational database table.</td>
</tr>
<tr>
<td>@abcdeFghij</td>
<td>An XML attribute that contains a specific data value. The Volcker XSD attributes correspond to the columns of a relational database table.</td>
</tr>
</tbody>
</table>

Valid Value
This column contains the list of enumerated valid values accepted by the XSD. It also may contain a format pattern for entering dates or times.

Reporting Nulls
Null values are not reported in the XML format. Individual XML attributes are not repeatable. They are always specified with either [1..1] or [0..1] occurrences. An empty XML attribute without a value (attribute="") will fail schema validation. If there is no value to report for an optional or conditionally required attribute, the attribute may be omitted from the XML. However, certain XML attributes are mandatory. No mandatory attribute may be omitted from the report.

XML File Naming Convention
When submitting Volcker Metrics Report files, follow the file naming convention as specified for each Agency:

<table>
<thead>
<tr>
<th>Agency</th>
<th>Naming Convention</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFTC</td>
<td>VV_[Bank RSSD ID]<em>[YYYYMM]</em>[01-99]_CFTC.xml</td>
</tr>
<tr>
<td>FDIC</td>
<td>VV_[Bank RSSD ID]<em>FDIC</em>[YYYYMM]_[01-99].xml</td>
</tr>
<tr>
<td>FRB</td>
<td>VVQM_[Bank RSSD ID]_[MMDDYY].xml</td>
</tr>
<tr>
<td>OCC</td>
<td>12CFR44_[Bank RSSD ID]<em>[YYYYMM]</em>[01-99]_OCC.xml</td>
</tr>
<tr>
<td>SEC</td>
<td>VV_[Bank RSSD ID]<em>[YYYYMM]</em>[01-99]_SEC.xml</td>
</tr>
</tbody>
</table>
1. [Bank RSSD ID], use the RSSD ID assigned to the reporting firm
2. [YYYYMM], enter the relevant calendar year and month within the reporting period\(^\text{12}\)
3. [MMDDYY], enter the last day of the relevant calendar month-day-year within the reporting period\(^\text{13}\)
4. [01-99], enter the version number for the file submission (i.e., a sequential number assigned to each submission for a particular month such that the first submission should be “01,” a resubmission amending the first submission should be “02,” a second resubmission should “03,” etc.)

**File Compression and Transmission Protocols**

The method of compressing and transmitting the Narrative Statement and XML files is specified in Annex D of this document.

\(^{12}\) The Instructions provide that quarterly reporters should submit three electronic files per calendar quarter, one for each month during the calendar quarter. As an example, quarterly reporters may enter the following calendar year and months within the [YYYYMM] field for the first quarter in 2017: “201701”, “201702”, and “201703”.

\(^{13}\) See supra note 12.
Volcker Metrics Report Data Dictionary

The following fields comprise the values that banking entities must use to comply with the Volcker Rule reporting requirement for the Trading Desk Information, the Quantitative Measurements Identifying Information, and applicable quantitative measurements. This Data Dictionary sets forth an XML element hierarchy with data attributes used to report the Volcker Rule metrics data values. The order of items in the Data Dictionary follows the order prescribed by the XSD.

Administrative Information

The banking entity must submit the following information:

File Description

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>report element</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>volckerMetricsReport/fileDescription</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>File description</td>
<td>Element containing the file description information.</td>
<td>M</td>
<td>1.1</td>
<td>[EMPTY ELEMENT]</td>
<td>volckerMetricsReport/fileDescription@fileVersion</td>
<td></td>
</tr>
<tr>
<td></td>
<td>element</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>volckerMetricsReport/fileDescription@fileVersionMdRM</td>
<td>VVQMR656</td>
</tr>
<tr>
<td>3.</td>
<td>Version number</td>
<td>Report the file version number, which is a sequential number assigned to each file submission for a particular month, starting with 1 and increasing by one for each resubmission (e.g., the first submission should be &quot;1,&quot; a resubmission amending the first submission should be &quot;2,&quot; a second resubmission should be &quot;3,&quot; etc.).</td>
<td>M</td>
<td>1.1</td>
<td>xs:integer (2)</td>
<td>volckerMetricsReport/fileDescription@FileVersion</td>
<td></td>
</tr>
<tr>
<td></td>
<td>reporting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>volckerMetricsReport/fileDescription@FileVersionMdRM</td>
<td>VVQMC752</td>
</tr>
<tr>
<td>4.</td>
<td>Create date</td>
<td>Provide the calendar date when the report is created, based on the file creation date automatically generated by the banking entity’s operating system.</td>
<td>M</td>
<td>1.1</td>
<td>xs:date</td>
<td>volckerMetricsReport/fileDescription@createDate</td>
<td>Date format: YYYY-MM-DD VVQMF841</td>
</tr>
<tr>
<td></td>
<td>reporting form</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>volckerMetricsReport/fileDescription@createDateMdRM</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Create time</td>
<td>Provide the time of day when the report is created using Coordinated Universal Time (UTC), based on the file creation time automatically generated by the banking entity’s operating system.</td>
<td>M</td>
<td>1.1</td>
<td>xs:time</td>
<td>volckerMetricsReport/fileDescription@createTime</td>
<td>Time Format: hh:mm:ssZ VVQMF842</td>
</tr>
<tr>
<td></td>
<td>reporting form</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>volckerMetricsReport/fileDescription@createTimeMdRM</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>Report name</td>
<td>Provide the report name &quot;VOLCKER&quot;.</td>
<td>M</td>
<td>1.1</td>
<td>xs:string</td>
<td>volckerMetricsReport/fileDescription@reportingForm</td>
<td>VOLCKER</td>
</tr>
<tr>
<td></td>
<td>reporting form</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>volckerMetricsReport/fileDescription@reportingFormMdRM</td>
<td>VVQMC752</td>
</tr>
<tr>
<td>7.</td>
<td>Month end date</td>
<td>Enter the information cut-off date.</td>
<td>M</td>
<td>1.1</td>
<td>xs:date</td>
<td>volckerMetricsReport/fileDescription@asOfDate</td>
<td>Date format: YYYY-MM-DD VVQMF999</td>
</tr>
<tr>
<td></td>
<td>reporting form</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>volckerMetricsReport/fileDescription@asOfDateMdRM</td>
<td></td>
</tr>
</tbody>
</table>

Reporting Firm Identification

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.</td>
<td>Reporting firm</td>
<td>Element containing the reporting firm</td>
<td>M</td>
<td>1.1</td>
<td>[EMPTY ELEMENT]</td>
<td>volckerMetricsReport/reportingFirm</td>
<td></td>
</tr>
</tbody>
</table>
### Information Schedules

#### Quantitative Measurements Information Schedules

With each submission of quantitative measurements, the banking entity must provide a Risk and Position Limits Information Schedule, a Risk Factor Sensitivities Information Schedule, a Risk Factor Attribution Information Schedule, a Limit/Sensitivity Cross-Reference Schedule, and a Risk Factor Sensitivity/Attribution Cross-Reference Schedule. Each banking entity must provide the required information for the entire banking entity’s covered trading activity. A banking entity should not prepare multiple versions of the same schedule for each trading desk engaged in covered trading activity.

#### Risk and Position Limits Information Schedule

Risk and Position Limits are existing constraints that define the amount of risk that a trading desk is permitted to take at a point in time, as defined by the banking entity for a specific trading desk. Risk and Position Limits are often expressed in terms of risk measures, such as Value-at-Risk (VaR) and Risk Factor Sensitivities, but may also be expressed in terms of other observable criteria, such as net open positions.

On the Risk and Position Limits Information Schedule, the banking entity must provide identifying and descriptive information for each limit that is reported in the Risk and Position Limits and Usage metric. Provide the following information:  

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.</td>
<td>Limit identifier</td>
<td>A character string to be used as the permanent unique identifier for the limit. The limit identifier is permanent in the sense that it has the same meaning in all future quantitative measurements submissions, even if the set of trading desks to which the limit applies changes.</td>
<td>M</td>
<td>1..1</td>
<td>xs:string (100)</td>
<td>volckerMetricsReport/riskAndPositionLimitReference/@identifier</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Limit name</td>
<td>The name of the limit.</td>
<td>M</td>
<td>1..1</td>
<td>xs:string (250)</td>
<td>volckerMetricsReport/riskAndPositionLimitReference/@name</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Limit description</td>
<td>A description of the limit.</td>
<td>M</td>
<td>1..1</td>
<td>xs:string (250)</td>
<td>volckerMetricsReport/riskAndPositionLimitReference/@description</td>
<td></td>
</tr>
</tbody>
</table>

---

14 See Appendix III.c.
15 See Appendix IV.a.1.i.
16 See Appendix III.c.
## Volcker Rule Technical Specifications Guidance

### Intraday or end-of-day indicator
Indicate whether the limit is an intraday limit or an end-of-day limit.

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.</td>
<td></td>
<td>Intraday or end-of-day indicator</td>
<td>M</td>
<td>1..1</td>
<td>xs:boolean</td>
<td>volckerMetricsReport/riskAndPositionLimitReference/@isIntraDay</td>
<td>VVQMY925</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string</td>
<td>volckerMetricsReport/riskAndPositionLimitReference/@intraDayMdrm</td>
<td>VVQMW894</td>
</tr>
</tbody>
</table>

### Unit of measurement
The unit in which the limit is measured, e.g., basis points, USD, etc.

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.</td>
<td></td>
<td>Unit of measurement</td>
<td>M</td>
<td>1..1</td>
<td>xs:string</td>
<td>volckerMetricsReport/riskAndPositionLimitReference/@unit</td>
<td>VVQMY391</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string</td>
<td>volckerMetricsReport/riskAndPositionLimitReference/@unitMdrm</td>
<td>VVQMW895</td>
</tr>
</tbody>
</table>

### Net or gross indicator
Indicate whether the limit measures risk on a net or gross basis.

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>17.</td>
<td></td>
<td>Net or gross indicator</td>
<td>M</td>
<td>1..1</td>
<td>xs:string</td>
<td>volckerMetricsReport/riskAndPositionLimitReference/@netOrGross</td>
<td>Net Gross</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string</td>
<td>volckerMetricsReport/riskAndPositionLimitReference/@netOrGrossMdrm</td>
<td>VVQMW896</td>
</tr>
</tbody>
</table>

### Type of limit
Identify which of the following categories best describes the limit.

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>18.</td>
<td></td>
<td>Type of limit</td>
<td>M</td>
<td>1..1</td>
<td>xs:string</td>
<td>volckerMetricsReport/riskAndPositionLimitReference/@category</td>
<td>VAR POS SENS SCENARIO OTHER</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string</td>
<td>volckerMetricsReport/riskAndPositionLimitReference/@categoryMdrm</td>
<td>VVQMW897</td>
</tr>
</tbody>
</table>

### Other category description
Enter description of the "Other" category identified in [Type of limit].

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>19.</td>
<td></td>
<td>Other category description</td>
<td>C</td>
<td>0..1</td>
<td>xs:string</td>
<td>volckerMetricsReport/riskAndPositionLimitReference/@otherDescription</td>
<td>VVQMW898</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string</td>
<td>volckerMetricsReport/riskAndPositionLimitReference/@otherDescriptionMdrm</td>
<td>VVQMW899</td>
</tr>
</tbody>
</table>

---

### Risk Factor Sensitivities Information Schedule

Risk Factor Sensitivities are changes in a trading desk’s Comprehensive Profit and Loss that are expected to occur in the event of a change in one or more underlying variables that are significant sources of the trading desk’s profitability and risk. The number and type of Risk Factor Sensitivities that are monitored and managed by a trading desk will depend on the explicit risks assumed by the trading desk.

On the Risk Factor Sensitivities Information Schedule, the banking entity must provide identifying and descriptive information for each Risk Factor Sensitivity that is reported in the Risk Factor Sensitivities metric. Provide the following information:  

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>21.</td>
<td>Sensitivity identifier</td>
<td>A character string to be used as the permanent unique identifier for the Risk Factor Sensitivity. The sensitivity identifier is permanent in the sense that it has the same meaning in all future quantitative measurements submissions, even if the set of desks for which the sensitivity is reported changes.</td>
<td>M</td>
<td>1..1</td>
<td>xs:string (100)</td>
<td>volckerMetricsReport/riskFactorSensitivityReference/@identifier</td>
<td>VVQTT808</td>
</tr>
</tbody>
</table>

---

17 See Appendix IV.a.2.i.
18 See Appendix III.c.
### Item 22. Sensitivity name
The name of the Risk Factor Sensitivity.

<table>
<thead>
<tr>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>1..1</td>
<td>xs:string (100)</td>
<td><code>volckerMetricsReport/riskFactorSensitivityReference/@name</code></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td><code>volckerMetricsReport/riskFactorSensitivityReference/@nameMdrm</code></td>
<td>VVQMY392</td>
</tr>
</tbody>
</table>

### Item 23. Sensitivity description
Provide a description of the Risk Factor Sensitivity.

<table>
<thead>
<tr>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>1..1</td>
<td>xs:string (250)</td>
<td><code>volckerMetricsReport/riskFactorSensitivityReference/@description</code></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td><code>volckerMetricsReport/riskFactorSensitivityReference/@descriptionMdrm</code></td>
<td>VVQMW897</td>
</tr>
</tbody>
</table>

### Item 24. Risk factor change units
Report the type of units of the risk factor change that the entity has identified that impact the portfolio value (for example, for a DV01, the unit is in basis points, while for Equity Delta, the unit is a dollar change in equity prices or percentage change in equity prices).

<table>
<thead>
<tr>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>1..1</td>
<td>xs:string (50)</td>
<td><code>volckerMetricsReport/riskFactorSensitivityReference/@unit</code></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td><code>volckerMetricsReport/riskFactorSensitivityReference/@unitMdrm</code></td>
<td>VVQMY394</td>
</tr>
</tbody>
</table>

## Risk Factor Attribution Information Schedule

The banking entity must report the profit and loss due to changes in the specific risk factors and other factors that are monitored and managed as part of the trading desk’s overall risk management policies and procedures.¹⁹

On the Risk Factor Attribution Information Schedule, the banking entity must provide identifying and descriptive information for each risk factor attribution reported in Part 4.B. of the Comprehensive Profit and Loss Attribution metric. Provide the following information:²⁰

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>26.</td>
<td>Risk factor attribution identifier</td>
<td>A character string to be used as the permanent unique identifier for the risk factor or other factor attribution. The Risk Factor Attribution identifier is permanent in the sense that it has the same meaning in all future quantitative measurements submissions, even if the set of trading desks for which the attribution is reported changes.</td>
<td>M</td>
<td>1..1</td>
<td>xs:string (100)</td>
<td><code>volckerMetricsReport/riskAttributionFactorReference/@identifier</code></td>
<td>VVQTT090</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td><code>volckerMetricsReport/riskAttributionFactorReference/@identifierMdrm</code></td>
<td></td>
</tr>
<tr>
<td>27.</td>
<td>Risk factor name</td>
<td>The name of the risk factor or other factor.</td>
<td>M</td>
<td>1..1</td>
<td>xs:string (100)</td>
<td><code>volckerMetricsReport/riskAttributionFactorReference/@name</code></td>
<td>VVQMW898</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td><code>volckerMetricsReport/riskAttributionFactorReference/@nameMdrm</code></td>
<td></td>
</tr>
<tr>
<td>28.</td>
<td>Risk factor description</td>
<td>A description of the risk factor or other factor.</td>
<td>M</td>
<td>1..1</td>
<td>xs:string (250)</td>
<td><code>volckerMetricsReport/riskAttributionFactorReference/@description</code></td>
<td>VVQMW899</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td><code>volckerMetricsReport/riskAttributionFactorReference/@descriptionMdrm</code></td>
<td></td>
</tr>
</tbody>
</table>

¹⁹ See Appendix IV.b.1.i.A.
²⁰ See Appendix III.c.
<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>29.</td>
<td>Risk factor change units</td>
<td>Report the type of units of the risk factor or other factor change that the entity has identified that impact the portfolio value (for example, for a DV01, the unit is in basis points, while for Equity Delta, the unit is a dollar change in equity prices).</td>
<td>M</td>
<td>1..1</td>
<td>xs:string</td>
<td>volckerMetricsReport/riskAttributionFactorReference@unit</td>
<td>VQQT394</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string</td>
<td>volckerMetricsReport/riskAttributionFactorReference@unitMdrm</td>
<td></td>
</tr>
</tbody>
</table>

**Limit / Sensitivity Cross-Reference Schedule**

Cross-reference a Limit ID to a Sensitivity ID when a particular limit that is reported in the Risk and Position Limits Information Schedule is associated with a sensitivity reported in the Risk Factor Sensitivities Information Schedule.  

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>31.</td>
<td>Limit identifier</td>
<td>Enter the Limit identifier listed in the Risk and Position Limits Information Schedule.</td>
<td>M</td>
<td>1..1</td>
<td>xs:string</td>
<td>volckerMetricsReport/limitToRiskSensitivityCrossReference@positionLimitIdentifier</td>
<td>VQQT382</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string</td>
<td>volckerMetricsReport/limitToRiskSensitivityCrossReference@PULIDMdrm</td>
<td></td>
</tr>
<tr>
<td>32.</td>
<td>Sensitivity identifier</td>
<td>Enter the Sensitivity identifier listed in the Risk Factor Sensitivities Information Schedule.</td>
<td>M</td>
<td>1..1</td>
<td>xs:string</td>
<td>volckerMetricsReport/limitToRiskSensitivityCrossReference@riskFactorSensitivityIdentifier</td>
<td>VQQT088</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string</td>
<td>volckerMetricsReport/limitToRiskSensitivityCrossReference@RFSIDMdrm</td>
<td></td>
</tr>
</tbody>
</table>

**Risk Factor Sensitivity / Attribution Cross-Reference Schedule**

Cross-reference a Sensitivity ID to a Risk Factor Attribution ID when a particular risk factor that is reported as a sensitivity in the Risk Factor Sensitivities Information Schedule is associated with a risk factor attribution in the reported Risk Factor Attribution Information Schedule.  

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>34.</td>
<td>Sensitivity identifier</td>
<td>Enter the Sensitivity identifier listed in the Risk Factor Sensitivities Information Schedule.</td>
<td>M</td>
<td>1..1</td>
<td>xs:string</td>
<td>volckerMetricsReport/riskSensitivityToRiskAttributionCrossReference@riskFactorSensitivityIdentifier</td>
<td>VQXT088</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string</td>
<td>volckerMetricsReport/riskSensitivityToRiskAttributionCrossReference@RFSIDMdrm</td>
<td></td>
</tr>
<tr>
<td>35.</td>
<td>Risk Factor Attribution identifier</td>
<td>Enter the Risk Factor Attribution identifier listed in the Risk Factor Attribution Information Schedule.</td>
<td>M</td>
<td>1..1</td>
<td>xs:string</td>
<td>volckerMetricsReport/riskSensitivityToRiskAttributionCrossReference@riskFactorAttributionIdentifier</td>
<td>VQXT088</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string</td>
<td>volckerMetricsReport/riskSensitivityToRiskAttributionCrossReference@RFAIDMdrm</td>
<td></td>
</tr>
</tbody>
</table>

---

21 See id.
22 See id.
With each submission of quantitative measurements, the banking entity must provide the following information for each trading desk engaged in covered trading activities:23

### Trading Desk Identity

<table>
<thead>
<tr>
<th>Item</th>
<th>Field Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>37.</td>
<td>Trading desk name</td>
<td>M</td>
<td>1..1</td>
<td>xs:string (100)</td>
<td>volckerMetricsReport/tradingDesk@deskName</td>
<td></td>
</tr>
<tr>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td>volckerMetricsReport/tradingDesk@deskNameMdrm</td>
<td>VVQMY384</td>
<td></td>
</tr>
<tr>
<td>38.</td>
<td>Trading desk identifier</td>
<td>M</td>
<td>1..1</td>
<td>xs:string (100)</td>
<td>volckerMetricsReport/tradingDesk@deskIdentifier</td>
<td></td>
</tr>
<tr>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td>volckerMetricsReport/tradingDesk@deskIDMdrm</td>
<td>VVQMY383</td>
<td></td>
</tr>
<tr>
<td>39.</td>
<td>Trading desk description</td>
<td>M</td>
<td>1..1</td>
<td>xs:string (500)</td>
<td>volckerMetricsReport/tradingDesk@deskDescription</td>
<td></td>
</tr>
<tr>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td>volckerMetricsReport/tradingDesk@deskDescriptionMdrm</td>
<td>VVQMW891</td>
<td></td>
</tr>
<tr>
<td>40.</td>
<td>Currency reported</td>
<td>M</td>
<td>1..1</td>
<td>xs:string (3)</td>
<td>volckerMetricsReport/tradingDesk@currency</td>
<td>Use the ISO 4217 currency code (alphabetic code) (USD, GBP, EUR, JPY, etc.)</td>
</tr>
<tr>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td>volckerMetricsReport/tradingDesk@currencyMdrm</td>
<td>VVQMY385</td>
<td></td>
</tr>
</tbody>
</table>

### Trading Activity Information

<table>
<thead>
<tr>
<th>Item</th>
<th>Field Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>41.</td>
<td>Trading activity information element</td>
<td>M</td>
<td>1..*</td>
<td>[EMPTY ELEMENT]</td>
<td>volckerMetricsReport/tradingDesk/coveredActivity</td>
<td></td>
</tr>
</tbody>
</table>

---23 See Appendix III.b.

---24 If a banking entity restructures its operations and merges two or more trading desks, the banking entity should assign a new trading desk identifier to the merged desk (i.e., the merged desk’s identifier should not replicate a trading desk identifier assigned to a previously unmerged trading desk) and permanently retire the unmerged desks’ identifiers. If a banking entity splits the operations of an existing trading desk into two or more new desks, the banking entity should assign new trading desk identifiers to the new desks and permanently retire the original desk’s identifier.
<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
</table>
| 42.  | Type of covered trading activity | Identify each covered trading activity in which the trading desk is engaged. Choose from the activity types listed in Table A of Annex A to identify the relevant exemptions or exclusions, and provide the associated code for each type of covered trading activity selected. | M    | 1..1   | xs:string | volckerMetricsReport/tradingDesk/coveredActivity/@tradingActivity | UW  
MM  
Hedging  
Hedging of Excluded  
US Gov  
Foreign Gov  
Fiduciary  
RP  
Insurance  
TOTUS  
Repo  
Sec Lending  
Liquidity Mgmt  
DCD/CA  
Clearing Member  
Delivery  
Judicial  
Agent  
Employee  
DPC |

### Trading Products Information

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>43.</td>
<td>Trading products information element</td>
<td>Element containing the trading product information for a trading desk.</td>
<td>M</td>
<td>1..*</td>
<td>[EMPTY ELEMENT]</td>
<td>volckerMetricsReport/tradingDesk/tradingProduct</td>
<td></td>
</tr>
<tr>
<td>44.</td>
<td>Name of financial instrument/trading product</td>
<td>List the types of financial instruments and other products purchased and sold by the trading desk.</td>
<td>M</td>
<td>1..1</td>
<td>xs:string</td>
<td>volckerMetricsReport/tradingDesk/tradingProduct/@product</td>
<td>VVQMW900</td>
</tr>
<tr>
<td>45.</td>
<td>Main financial instrument/trading product indicator</td>
<td>Indicate which of these are the main financial instruments or products purchased and sold by the trading desk. Set the Boolean condition to true (1), otherwise set to false (0).</td>
<td>M</td>
<td>1..1</td>
<td>xs:boolean</td>
<td>volckerMetricsReport/tradingDesk/tradingProduct/@isMain</td>
<td>VVQMW911</td>
</tr>
<tr>
<td>46.</td>
<td>Market-maker inventory indicator</td>
<td>Indicate whether each type of financial instrument/trading product is included in market-maker inventory or not included in market-maker inventory. Set the Boolean condition to true (1), otherwise set to false (0).</td>
<td>M</td>
<td>1..1</td>
<td>xs:boolean</td>
<td>volckerMetricsReport/tradingDesk/tradingProduct/@includedInMarketMaking</td>
<td>VVQMW912</td>
</tr>
</tbody>
</table>
| 47.  | Is trading product excluded from definition of | Indicate whether the particular product is excluded from the definition of “financial instrument” under § 3(32) (“excluded” | M    | 1..1   | xs:boolean | volckerMetricsReport/tradingDesk/tradingProduct/@isExcluded | 0=False/No  
1=True/Yes |

June 5, 2018
### Item 48. Is the excluded trading product reported indicator

Indicate whether the trading desk is including excluded products in its quantitative measurements. Set the Boolean condition to true (1), otherwise set to false (0).

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>VVQMY900</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>VVQMY901</td>
</tr>
</tbody>
</table>

### Legal Entity Information

#### Item 49. Legal entity information element

Element containing the legal entity information.

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>VVQMF44</td>
</tr>
</tbody>
</table>

#### Item 50. Name of legal entity

Provide the complete name of each legal entity that serves as a booking entity for covered trading activities conducted by the trading desk.

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>VVQMF45</td>
</tr>
</tbody>
</table>

#### Item 51. Main booking entity indicator

For each legal entity, indicate with a "1" for yes or a "0" for no as to whether the identified legal entity is a main booking entity for covered trading activities of the desk.

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Item 52. Entity identifier element

Element containing the entity identifier information.

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Item 53. Entity identifier

For each legal entity, the banking entity should provide any applicable identifier value(s) associated with the legal entity name and the type(s) listed in Table B of Annex A. If more than one identifier value applies, provide all indicated identifier values.

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Item 54. Type of identifier

For each legal entity, the banking entity should indicate the entity identifier type (code). If the legal entity has none of the identifier(s) listed in Table B of Annex A, the banking entity should report “None.”

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Item 55. Entity type element

Element containing the entity type(s).

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
56. **Entity type identification**  
For each legal entity that serves as a booking entity for covered trading activities, specify any of the following applicable entity types for that legal entity. If more than one entity type applies to a particular legal entity, provide all applicable entity types for that legal entity.  
(1) National bank; (2) Federal branch or Federal agency of a foreign bank; (3) Federal savings association; (4) Federal savings bank; (5) State nonmember bank; (6) Foreign bank having an insured branch; (7) State savings association; (8) U.S.-registered broker-dealer; (9) U.S.-registered security-based swap dealer; (10) U.S.-registered major security-based swap participant; (11) Swap dealer; (12) Major swap participant; (13) Derivatives clearing organization; (14) Futures commission merchant; (15) Commodity pool operator; (16) Commodity trading advisor; (17) Introducing broker; (18) Floor trader; (19) Retail Foreign Exchange Dealer; (20) State member bank; (21) Bank holding company; (22) Savings and loan holding company; (23) Foreign banking organization as defined in 12 CFR 211.21(o); (24) Uninsured state-licensed branch or agency of a foreign bank; or (25) Other entity type not listed.

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>56.</td>
<td>M</td>
<td>Entity type identification</td>
<td>1..1</td>
<td>xs:string</td>
<td>volckerMetricsReport/tradingDesk/legalEntity/entityType @type</td>
<td>National bank</td>
<td>Federal branch or Federal agency of a foreign bank, Federal savings association, Federal savings bank, State nonmember bank, Foreign bank having an insured branch, State savings association, U.S.-registered broker-dealer, U.S.-registered security-based swap dealer, U.S.-registered major security-based swap participant, Swap dealer, Major swap participant, Derivatives clearing organization, Futures commission merchant, Commodity pool operator, Commodity trading advisor, Introducing broker, Floor trader, Retail Foreign Exchange Dealer, State member bank, Bank holding company, Savings and loan holding company, Foreign banking organizations as defined in 12 CFR 211.21(o), Uninsured state-licensed branch or agency of a foreign bank, Other</td>
</tr>
</tbody>
</table>

57. **Description of other entity type**  
Enter description of the “Other entity type not listed” category identified in [Entity type identification], including a subsidiary of a legal entity described in [Entity type identification] where the subsidiary itself is an entity type not listed.

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>57.</td>
<td>C</td>
<td>Description of other entity type</td>
<td>0..1</td>
<td>xs:string [8]</td>
<td>volckerMetricsReport/tradingDesk/legalEntity/entityType @typeMdrm</td>
<td>VVQMY897</td>
<td></td>
</tr>
</tbody>
</table>

### Daily Trading Desk Information

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>59.</td>
<td>M</td>
<td>Date of month</td>
<td>1..1</td>
<td>xs:date</td>
<td>volckerMetricsReport/tradingDesk/dailyDeskInfo @calendarDate</td>
<td>Date format: YYYY-MM-DD</td>
<td></td>
</tr>
</tbody>
</table>
### Daily Quantitative Measurements Information Schedules

Provide the following quantitative measurements, as applicable, for each trading day and for each trading desk engaged in covered trading activity.\(^{26}\) Report the actual amounts in the currency utilized by a particular trading desk. Do not report amounts in abbreviated form, such as thousands. A banking entity should explain its inability to provide any quantitative measurement in the entity’s Narrative Statement.

Under§ __.3(c)(2), a banking entity’s positions in excluded products (i.e., loans, spot commodities, and spot foreign exchange or currency) are not subject to the rule’s restrictions on proprietary trading.\(^ {27}\) A banking entity may, however, include exposures in loans, spot commodities, and spot foreign exchange or currency that are related to the desk’s covered trading activities in its quantitative measurements.\(^ {28}\) A banking entity should use a consistent approach for including or excluding any positions in products that are not securities, commodity futures contracts, derivatives, or options on any of these instruments when calculating metrics for a trading desk.\(^ {29}\)

The appropriate approach to calculating quantitative measurements for a trading desk engaged in underwriting activity will depend on the banking entity’s role in the distribution, as well as the particular facts and circumstances of the distribution. A banking entity that is a member of the underwriting syndicate should account for the banking entity’s portion of any position attributable to the distribution, based on

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\(^{25}\) As a general matter, a trading desk is not considered to be open for trading on a weekend. However, if a trading desk books positions into a banking entity on a calendar day that is not a business day (e.g., a day that falls on a weekend), then the desk is considered open for trading on that day. In addition, a trading desk may be open for trading on a national holiday. For example, if a trading desk spans a U.S. legal entity and a foreign legal entity and a national holiday occurs on a business day in the United States but a national holiday does not occur on the same day in the foreign jurisdiction, the date is a trading day because the trading desk is open to conduct trading in the foreign jurisdiction.

\(^{26}\) See Appendix IV.

\(^{27}\) See §§ __.3(a); __.3(c)(2).

\(^{28}\) Banking entities may elect to include such information in their quantitative measurements where doing so provides a more accurate picture of the risks associated with the trading desk. For example, a market maker in foreign exchange forwards or swaps that mitigates the risks of its market-maker inventory with spot foreign exchange may include in its metrics the spot foreign exchange positions.

\(^{29}\) A banking entity should not incorporate excluded products in the quantitative measurements of a trading desk one month, and omit these products from the desk’s measurements the following month. Excluded products should be reported consistently from period to period. If a banking entity decides to change its approach to excluded products with respect to the quantitative measurements of one or more trading desks, the banking entity must provide notice of this change in its Narrative Statement.

---

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Reqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td></td>
<td></td>
<td>0..1</td>
<td></td>
<td>xs:string (8)</td>
<td>volckerMetricsReport/tradingDesk/dailyDeskInfo[@calendarDateMdrm]</td>
<td>VQQM939</td>
</tr>
<tr>
<td>M</td>
<td></td>
<td></td>
<td>1..1</td>
<td></td>
<td>xs:boolean</td>
<td>volckerMetricsReport/tradingDesk/dailyDeskInfo[@isTradingDay]</td>
<td>0=False/No 1=True/Yes</td>
</tr>
<tr>
<td>C</td>
<td></td>
<td></td>
<td>0..1</td>
<td></td>
<td>xs:string (8)</td>
<td>volckerMetricsReport/tradingDesk/dailyDeskInfo[@tradingDayMdrm]</td>
<td>VQQM938D</td>
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</tbody>
</table>

<table>
<thead>
<tr>
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<th>Description</th>
<th>Reqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td></td>
<td></td>
<td>1..1</td>
<td></td>
<td>xs:decimal (24,8)</td>
<td>volckerMetricsReport/tradingDesk/dailyDeskInfo[@currencyConversionRate]</td>
<td>Positive values permitted Zero and negative values not permitted</td>
</tr>
<tr>
<td>C</td>
<td></td>
<td></td>
<td>0..1</td>
<td></td>
<td>xs:string (8)</td>
<td>volckerMetricsReport/tradingDesk/dailyDeskInfo[@currencyConversionRateMdrm]</td>
<td>VQQM9385</td>
</tr>
</tbody>
</table>
the number, amount, or percentage of securities the banking entity has purchased under the relevant underwriting agreement. In addition, to the extent the banking entity has responsibility for managing positions that are credited to the accounts of syndicate members collectively, the banking entity should account for those positions when calculating metrics for the relevant underwriting desk until the securities are disbursed to syndicate members.30

A. Risk-Management Measurements

Part 1. Risk and Position Limits and Usage

A banking entity is required to report the Risk and Position Limits and Usage quantitative measurement for all trading desks engaged in covered trading activities.31

For a trading desk engaged in market making-related activities or risk-mitigating hedging, the limits required under these exemptions must include appropriate metrics for the trading desk limits including, at a minimum, Risk Factor Sensitivities and VaR metrics except to the extent any of these measurements are demonstrably ineffective in measuring and monitoring risks of a trading desk based on the types of positions traded by, and risk exposures of, that desk.32 Risk and Position Limits should be reported in the format used by the banking entity for the purposes of risk management of each trading desk.

The value of the daily usage of each limit must be reported for each trading desk where the limit applies.33 Each type of limit may be reported on one or more trading desks, potentially with variations on the size of the limit for different trading desks.

For each trading desk, provide the following information for each limit reported pursuant to this metric for every trading day in a calendar month.34 If a limit is introduced or discontinued during a calendar month, report the following information for each trading day that the trading desk used the limit during the calendar month.

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>62.</td>
<td>Risk and position limit and usage element</td>
<td>Element containing the risk and position limit and usage metric information.</td>
<td>C</td>
<td>0..*</td>
<td>[OPEN ELEMENT]</td>
<td>volckerMetricsReport/tradingDesk/riskAndPositionLimitsAndUsage</td>
<td></td>
</tr>
<tr>
<td>63.</td>
<td>Limit identifier</td>
<td>Report the limit ID listed in the Risk and Position Limits Information Schedule.</td>
<td>M</td>
<td>1..1</td>
<td>xs:string(100)</td>
<td>volckerMetricsReport/tradingDesk/riskAndPositionLimitsAndUsage/@identifier</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string(8)</td>
<td>volckerMetricsReport/tradingDesk/riskAndPositionLimitsAndUsage/@identifierMdrm</td>
<td>VVQMY382</td>
</tr>
<tr>
<td>64.</td>
<td>Daily limit element</td>
<td>Element containing the daily position limit and usage metrics.</td>
<td>M</td>
<td>1..31</td>
<td>[EMPTY ELEMENT]</td>
<td>volckerMetricsReport/tradingDesk/riskAndPositionLimitsAndUsage/limitDailySchedule</td>
<td></td>
</tr>
</tbody>
</table>

30 For example, assume a lead manager manages an unsold allotment arising from the distribution for a period of time and then disburses any remaining securities proportionally to other syndicate members. For the period of time in which a banking entity that is the lead manager manages the unsold allotment, such unsold allotment should be accounted for in the metrics of that banking entity’s underwriting desk. However, once the unsold allotment is disbursed to other syndicate members, a banking entity receiving the disbursement should begin to account for its position in the metrics of its underwriting desk and the lead manager need only account for its own positions and any remaining syndicate positions in its metrics.

31 See Appendix IV.a.1.

32 See id.

33 See id.

34 See id.
<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>65.</td>
<td>Trade date</td>
<td>Provide the calendar date of the month. Use the format YYYY-MM-DD.</td>
<td>M</td>
<td>1..1</td>
<td>xs:date</td>
<td>volckerMetricsReport/tradingDesk/riskAndPositionLimitsAndUsage/limitDailySchedule/@date</td>
<td>Date format: YYYY-MM-DD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td>volckerMetricsReport/tradingDesk/riskAndPositionLimitsAndUsage/limitDailySchedule/@dateMdrm</td>
<td>VVQMY379</td>
</tr>
<tr>
<td>66.</td>
<td>Limit size—upper limit</td>
<td>Report the upper limit set by the banking entity that represents the amount of risk the trading desk is permitted to take at a point in time. An upper limit is one where value of the risk cannot go above the limit.</td>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td>volckerMetricsReport/tradingDesk/riskAndPositionLimitsAndUsage/limitDailySchedule/upperLimitSize</td>
<td>VVQMY390</td>
</tr>
<tr>
<td>66.</td>
<td>Limit size—lower limit</td>
<td>Report the lower limit set by the banking entity that represents the amount of risk the trading desk is permitted to take at a point in time. A lower limit is one where value of the risk cannot go below the limit.</td>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td>volckerMetricsReport/tradingDesk/riskAndPositionLimitsAndUsage/limitDailySchedule/lowerLimitSizeMdrm</td>
<td>VVQMY390</td>
</tr>
<tr>
<td>68.</td>
<td>Value usage</td>
<td>Report the value of the trading desk's risk or positions that are accounted for by the daily activity of the desk. For limits accounted for at the end of the day, report the value of usage as of the end of the day. For limits accounted for during the day (intraday), report the maximum value of usage. Report the actual value of the risk or positions, not the percentage of the upper or lower limit utilized.</td>
<td>M</td>
<td>1..1</td>
<td>xs:integer (24)</td>
<td>volckerMetricsReport/tradingDesk/riskAndPositionLimitsAndUsage/limitDailySchedule/usage</td>
<td>VVQMY390</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
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<td>volckerMetricsReport/tradingDesk/riskAndPositionLimitsAndUsage/limitDailySchedule/usageMdrm</td>
<td>VVQMY390</td>
</tr>
</tbody>
</table>

### Part 2. Risk Factor Sensitivities

A banking entity is required to report the Risk Factor Sensitivities quantitative measurement for all trading desks engaged in covered trading activities.\(^\text{35}\)

The number and type of Risk Factor Sensitivities that are monitored and managed by a trading desk will depend on the explicit risks assumed by the trading desk. A banking entity must report the Risk Factor Sensitivities that are monitored and managed as part of the trading desk’s overall risk management policy. In general, reported Risk Factor Sensitivities must be sufficiently granular to account for a preponderance of the expected price variation in the trading desk’s holdings.

Banking entities should take into account any relevant factors in calculating Risk Factor Sensitivities for each trading desk, including, for example, the following with respect to particular asset classes:

**Commodity derivative positions:** Risk Factor Sensitivities with respect to the related commodities set out in 17 CFR § 20.2, the maturity of the positions, volatility, and/or correlation sensitivities (expressed in a manner that demonstrates any significant non-linearities), and the maturity profile of the positions;

\(^\text{35}\) See Appendix IV.a.2.
Credit positions: Risk Factor Sensitivities with respect to credit spreads that are sufficiently granular to account for specific credit sectors and market segments, Risk Factor Sensitivities with respect to interest rates of relevant maturities, and the maturity profile of the positions;

Credit-related derivative positions: Risk Factor Sensitivities for credit spreads, shifts (parallel and non-parallel) in credit spreads – volatility, and/or correlation sensitivities (expressed in a manner that demonstrates any significant non-linearities), and the maturity profile of the positions;

Equity positions: Risk Factor Sensitivities for equity prices and risk factors that differentiate between important equity market sectors and segments, such as small capitalization equities and international equities;

Equity derivative positions: Risk Factor Sensitivities such as equity positions, volatility, and/or correlation sensitivities (expressed in a manner that demonstrates any significant non-linearities), and the maturity profile of the positions;

Foreign exchange derivative positions: Risk Factor Sensitivities with respect to major currency pairs and maturities, exposure to interest rates at relevant maturities, volatility, and/or correlation sensitivities (expressed in a manner that demonstrates any significant non-linearities), as well as the maturity profile of the positions; and

Interest rate positions, including interest rate derivative positions: Risk Factor Sensitivities with respect to major interest rate categories and maturities, volatility, and/or correlation sensitivities (expressed in a manner that demonstrates any significant non-linearities), and shifts (parallel and non-parallel) in the interest rate curve, as well as the maturity profile of the positions.

Each Risk Factor Sensitivity may be reported on one or more trading desks. The methods used by a banking entity to calculate sensitivities to a common factor shared by multiple trading desks, such as an equity price factor, should be applied consistently across its trading desks so that the sensitivities can be compared from one trading desk to another.

For each trading desk, provide the following information for each Risk Factor Sensitivity that is reported pursuant to this metric for every trading day in a calendar month. If a Risk Factor Sensitivity is introduced or discontinued during a calendar month, report the following information for each trading day the trading desk used the sensitivity during the calendar month.

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>72.</td>
<td>Trade date</td>
<td>Provide the calendar date of the month. Use the format YYYY-MM-DD.</td>
<td>M</td>
<td>1..1</td>
<td>xs:date</td>
<td>volckerMetricsReport/tradingDesk/riskFactorSensitivity/rfsDailySchedule/@date</td>
<td>Date format: YYYY-MM-DD</td>
</tr>
</tbody>
</table>

See id.
### Part 3. Value-at-Risk (VaR) and Stressed VaR

A banking entity is required to report the VaR quantitative measurement for all trading desks engaged in covered trading activities. A banking entity is required to report the Stressed VaR quantitative measurement for all trading desks engaged in covered trading activities, except trading desks whose covered trading activity is conducted exclusively to hedge excluded products.37

When reporting the VaR and Stressed VaR measurements, report the risk of future financial loss in the value of the trading desk’s aggregated positions at the 99% confidence level over a 1-day holding period.38 Banking entities should compute and report VaR and Stressed VaR consistently with federal regulatory capital requirements.39 If a trading desk does not have a standalone VaR or Stressed VaR calculation, but is part of a larger aggregation of positions for which a VaR or Stressed VaR calculation is performed, a VaR or Stressed VaR calculation that includes only the trading desk’s holdings should be performed consistently with the VaR or Stressed VaR model and methodology used for the larger aggregation of positions.

For purposes of the VaR and Stressed VaR quantitative measurements, values representing a loss should be reported as a positive value.

For each applicable trading desk,40 provide the following information for every trading day in a calendar month.41

---

37 See Appendix IV.a.3.

38 See id.

39 Computation of VaR is described under Section 205 of the Market Risk Rule. Computation of Stressed VaR is described under Section 206 of the Market Risk Rule.

40 See Appendix IV.a.3.iv.

41 See Appendix IV.a.3.
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<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>75.</td>
<td>VaR and stressed VaR element</td>
<td>Element containing the value at risk information</td>
<td>C</td>
<td>0..31</td>
<td>[EMPY ELEMENT]</td>
<td>volckerMetricsReport/tradingDesk/valueAtRisk</td>
<td></td>
</tr>
<tr>
<td>76.</td>
<td>Trade date</td>
<td>Provide the calendar date of the month. Use the format YYYY-MM-DD.</td>
<td>M</td>
<td>1..1</td>
<td>xs:dateTime</td>
<td>volckerMetricsReport/tradingDesk/valueAtRisk/@date</td>
<td>Date format: YYYY-MM-DD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td>volckerMetricsReport/tradingDesk/valueAtRisk/@dateMdrm</td>
<td>VVQMY379</td>
</tr>
<tr>
<td>77.</td>
<td>VaR</td>
<td>Report the measurement of the risk of future financial loss in the value of the trading desk’s aggregated positions at the 99% confidence level over a 1-day holding period, based on current market conditions. Banking entities may calibrate to a 1-day holding period using appropriate scaling of a VaR measure made for a different holding period.</td>
<td>M</td>
<td>1..1</td>
<td>xs:integer(24)</td>
<td>volckerMetricsReport/tradingDesk/valueAtRisk/@var</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td>volckerMetricsReport/tradingDesk/valueAtRisk/@varMdrm</td>
<td>VVQMY396</td>
</tr>
<tr>
<td>78.</td>
<td>Stressed VaR</td>
<td>Report the measurement of the risk of future financial loss in the value of the trading desk’s aggregated positions at the 99% confidence level over a 1-day holding period, based on market conditions during a period of significant stress, consistent with the stress period used in the Market Risk Rule. Banking entities may calibrate to a 1-day holding period using appropriate scaling of a Stressed VaR measure made for a different holding period.</td>
<td>C</td>
<td>0..1</td>
<td>xs:integer(24)</td>
<td>volckerMetricsReport/tradingDesk/valueAtRisk/@stressedVar</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td>volckerMetricsReport/tradingDesk/valueAtRisk/@svarMdrm</td>
<td>VVQMY397</td>
</tr>
</tbody>
</table>

B. Source-of-Revenue Measurements

**Part 4. Comprehensive Profit and Loss Attribution**

A banking entity is required to report the Comprehensive Profit and Loss Attribution quantitative measurement for all trading desks engaged in covered trading activities. Comprehensive Profit and Loss Attribution is an analysis that attributes the daily fluctuation in the value of a trading desk’s positions to various sources.45

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42 In cases where a banking entity does not have a regulatory VaR, the banking entity should use a VaR consistent with the banking agencies’ regulatory capital requirements. Banking entities may scale their VaR or Stressed VaR to arrive at a 99th percentile confidence level over a 1-day time horizon, either by scaling the percentile, time horizon, or both.

43 Model inputs should be calibrated to historical data from a continuous 12-month period that reflects a period of significant financial stress appropriate to the banking entity’s current portfolio.

44 See supra note 42.

45 See Appendix IV.b.1.
The daily profit and loss due to existing positions that is attributable to all risk factor and other factor changes in the aggregate must be reported in Part 4.A for each trading desk. Report the daily profit and loss due to existing positions that it attributable to individual risk factors and other factors in Part 4.B.\textsuperscript{46} Each risk factor attribution may be reported on one or more trading desks. The methods used by a banking entity to calculate attribution to a common factor shared by multiple trading desks, such as an equity price factor, should be applied consistently across its trading desks so that the attributions can be compared from one trading desk to another.

**Part 4.A: Comprehensive Profit and Loss Attribution Measurements**

For each trading desk, provide the following information for every trading day in a calendar month.\textsuperscript{47}

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>79.</td>
<td>Profit and loss attribution element</td>
<td>Element containing the profit and loss attribution information.</td>
<td>C</td>
<td>0..31</td>
<td>[EMPTY ELEMENT]</td>
<td>volckerMetricsReport/tradingDesk/profitAndLossAttribution</td>
<td></td>
</tr>
<tr>
<td>80.</td>
<td>Trade date</td>
<td>Provide the calendar date of the month. Use the format YYYY-MM-DD.</td>
<td>M</td>
<td>1..1</td>
<td>xs:date</td>
<td>volckerMetricsReport/tradingDesk/profitAndLossAttribution/@date</td>
<td>Date format: YYYY-MM-DD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td>volckerMetricsReport/tradingDesk/profitAndLossAttribution/@dateMdrm</td>
<td>VVQMY379</td>
</tr>
<tr>
<td>81.</td>
<td>Comprehensive profit and loss</td>
<td>Report the trading desk’s comprehensive profit and loss, which is determined by adding profit and loss on new and existing positions, as well as residual profit and loss that cannot be specifically attributed to existing or new positions. “New positions” are positions resulting from the current day’s trading activity. “Existing positions” are positions that were also held by the trading desk as of the end of the prior trading day. Item 81 is equal to the sum of Item 82 plus Item 83 plus Item 84.</td>
<td>M</td>
<td>1..1</td>
<td>xs:integer(24)</td>
<td>volckerMetricsReport/tradingDesk/profitAndLossAttribution/@comprehensive</td>
<td>VVQMY398</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td>volckerMetricsReport/tradingDesk/profitAndLossAttribution/@comprehensiveMdrm</td>
<td></td>
</tr>
<tr>
<td>82.</td>
<td>Profit and loss due to existing positions</td>
<td>Report the profit and loss attributable to a trading desk’s existing positions. The comprehensive profit and loss associated with existing positions must reflect changes in the value of these positions on the applicable day. The comprehensive profit and loss from existing positions must be further attributed, as applicable, to changes in (i) the specific risk factors and other factors that are monitored and managed as part of the trading desk’s overall risk management policies and procedures (Item 85); and (ii) any other</td>
<td>M</td>
<td>1..1</td>
<td>xs:integer(24)</td>
<td>volckerMetricsReport/tradingDesk/profitAndLossAttribution/@existingPositions</td>
<td>VVQMY399</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td>volckerMetricsReport/tradingDesk/profitAndLossAttribution/@existingPositionsMdrm</td>
<td></td>
</tr>
</tbody>
</table>

\textsuperscript{46} See id.  

\textsuperscript{47} See id.
<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>83.</td>
<td>Profit and loss due to new positions</td>
<td>Report the profit and loss attributable to new positions. The comprehensive profit and loss attributed to new positions must reflect commissions and fee income or expenses and market gains or losses associated with transactions executed on the applicable day. New positions include purchases and sales of financial instruments and other assets/liabilities and negotiated amendments to existing positions. The comprehensive profit and loss from new positions may be reported in the aggregate and does not need to be further attributed to specific sources. The new position attribution is computed by calculating the difference between the value of the instruments when bought and/or sold and the value at which those instruments are marked to market at the close of business on that day. Any fees, commissions, or other payments received (paid) that are associated with transactions executed on that day are added (subtracted) from such difference. These factors should be measured consistently over time to facilitate historical comparisons.</td>
<td>M</td>
<td>1..1</td>
<td>xs:integer(24)</td>
<td>volckerMetricsReport/tradingDesk/profitAndLossAttribution[@newPositions]</td>
<td>VVQMY400</td>
</tr>
<tr>
<td>84.</td>
<td>Residual profit and loss</td>
<td>Report the portion of comprehensive profit and loss that cannot be specifically attributed to existing or new positions. Residual profit and loss is the unexplained profit and loss.</td>
<td>M</td>
<td>1..1</td>
<td>xs:integer(24)</td>
<td>volckerMetricsReport/tradingDesk/profitAndLossAttribution[@residual]</td>
<td>VVQMY401</td>
</tr>
<tr>
<td>85.</td>
<td>Profit and loss due to changes in risk factors and other factors</td>
<td>Report the profit and loss due to changes in the specific risk factors and other factors that are monitored and managed as part of the trading desk’s overall risk management policies and procedures.</td>
<td>M</td>
<td>1..1</td>
<td>xs:integer(24)</td>
<td>volckerMetricsReport/tradingDesk/profitAndLossAttribution[@riskChange]</td>
<td>VVQMY402</td>
</tr>
<tr>
<td>86.</td>
<td>Profit and loss due to actual cash flows, if not included elsewhere.</td>
<td>Report the profit and loss due to actual cash flows, if not included elsewhere.</td>
<td>M</td>
<td>1..1</td>
<td>xs:integer(24)</td>
<td>volckerMetricsReport/tradingDesk/profitAndLossAttribution[@cashFlow]</td>
<td>VVQMY403</td>
</tr>
<tr>
<td>87.</td>
<td>Profit and loss due to changes</td>
<td>Report the profit and loss due to changes</td>
<td>M</td>
<td>1..1</td>
<td>xs:integer(24)</td>
<td>volckerMetricsReport/tradingDesk/profitAndLossAttribution[@carry]</td>
<td>VVQMY404</td>
</tr>
<tr>
<td>Item</td>
<td>Field</td>
<td>Description</td>
<td>Rqmt</td>
<td>Occurs</td>
<td>Data Type</td>
<td>XPath</td>
<td>Valid Value</td>
</tr>
<tr>
<td>--------</td>
<td>-----------------</td>
<td>-------------------------------------------------------------------------------------------------</td>
<td>------</td>
<td>--------</td>
<td>-----------</td>
<td>------------------------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>85.</td>
<td>Profit and loss due to carry in carry. Generally this item includes funding costs. Note that Item 87 does not include items otherwise included in Item 85.</td>
<td>C</td>
<td>0..1</td>
<td>xs:string</td>
<td>(8)</td>
<td>volckerMetricsReport/tradingDesk/profitAndLossAttribution/@carryMdrm</td>
<td>VVQMY404</td>
</tr>
<tr>
<td>88.</td>
<td>Profit and loss due to reserve or valuation adjustment changes</td>
<td>M</td>
<td>1..1</td>
<td>xs:integer</td>
<td>(24)</td>
<td>volckerMetricsReport/tradingDesk/profitAndLossAttribution/@valuation</td>
<td>VVQMY405</td>
</tr>
<tr>
<td>89.</td>
<td>Profit and loss due to trade changes Report the profit and loss due to changes emanating from the correction, cancellation, or exercise of a trade. Material amendments to the economic terms of existing financial instrument contracts (other than corrections, cancellations or exercises) are considered new trades.</td>
<td>M</td>
<td>1..1</td>
<td>xs:integer</td>
<td>(24)</td>
<td>volckerMetricsReport/tradingDesk/profitAndLossAttribution/@tradeChanges</td>
<td>VVQMY406</td>
</tr>
<tr>
<td></td>
<td>Other Report all other attributable elements to profit and loss on existing positions that are not included in Item 85 through Item 89.</td>
<td>M</td>
<td>1..1</td>
<td>xs:integer</td>
<td>(24)</td>
<td>volckerMetricsReport/tradingDesk/profitAndLossAttribution/@other</td>
<td>VVQMY407</td>
</tr>
</tbody>
</table>

Part 4.B: Comprehensive Profit and Loss Attribution Measurements by Risk Factor

Report the risk factors and other factors that comprise Part 4.A, Item 85, Profit and Loss Due to Change in Risk Factors and Other Factors. Banking entities must include enough risk factors to explain the preponderance of the profit or loss changes due to risk factor changes.

For each trading desk, provide the following information for every trading day in a calendar month.

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>91.</td>
<td>Risk factor attribution element Element containing the profit and loss risk factor attribution information.</td>
<td>C</td>
<td>0..*</td>
<td>[OPEN ELEMENT]</td>
<td>volckerMetricsReport/tradingDesk/profitAndLossByFactor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>92.</td>
<td>Risk factor attribution identifier Report the Risk Factor Attribution identifier listed in the Risk Factor Attribution Information Schedule.</td>
<td>M</td>
<td>1..1</td>
<td>xs:string</td>
<td>(100)</td>
<td>volckerMetricsReport/tradingDesk/profitAndLossByFactor/@identifier</td>
<td>VVQMT090</td>
</tr>
<tr>
<td>93.</td>
<td>Profit and loss due to risk factor move Report the amount of profit or loss due to the risk factor or other factor change.</td>
<td>M</td>
<td>1..1</td>
<td>xs:integer</td>
<td>(24)</td>
<td>volckerMetricsReport/tradingDesk/profitAndLossByFactor/@value</td>
<td>VVQMY414</td>
</tr>
</tbody>
</table>

See Appendix IV.b.1. Examples of specific risk factors and other factors are provided in Part 2 of the Instructions. Risk factors reported pursuant to the Risk Factor Sensitivities quantitative measurement need not necessarily match the risk factors reported pursuant to Part 4.B.

See id.
C. Positions, Transaction Volumes, and Securities Inventory Aging Measurements

Each of the following quantitative measurements requires a banking entity to determine the “value” of a trading desk’s positions in applicable financial instruments.\(^{50}\) Although these quantitative measurements are required only for trading desks that engage in certain types of covered trading activity,\(^{51}\) the reported quantitative measurements must reflect all of the covered trading activities in applicable financial instruments conducted by the desk.\(^{52}\)

**Part 5. Positions**

A banking entity is required to report the Positions quantitative measurement for trading desks that rely on § __.4(a) or § __.4(b) to conduct underwriting activity or market making-related activity, respectively.

The Positions quantitative measurement represents the value of all securities and derivatives positions managed by the trading desk.\(^{53}\) For purposes of the Positions quantitative measurement, do not include in the Positions calculation for “securities” those securities that are also “derivatives,” as those terms are defined under §§ __.2(bb) and __.2(i); instead, report those securities that are also derivatives as “derivatives.”\(^{54}\)

For each applicable trading desk,\(^{55}\) provide the following information for every trading day in a calendar month.\(^{56}\)

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>94.</td>
<td>Positions element</td>
<td>Element containing the trading desk position information.</td>
<td>C</td>
<td>0..31</td>
<td>[EMPTY ELEMENT]</td>
<td>volckerMetricsReport/tradingDesk/positions</td>
<td>Date format: YYYY-MM-DD</td>
</tr>
<tr>
<td>95.</td>
<td>Trade date</td>
<td>Provide the calendar date of the month. Use the format YYYY-MM-DD.</td>
<td>M</td>
<td>1..1</td>
<td>xs:date</td>
<td>volckerMetricsReport/tradingDesk/positions/@date</td>
<td>VVQMY379</td>
</tr>
<tr>
<td>96.</td>
<td>Long securities MTM</td>
<td>Market value of all long securities positions.</td>
<td>M</td>
<td>1..1</td>
<td>xs:nonNegative Integer(24)</td>
<td>volckerMetricsReport/tradingDesk/positions/@securitiesMarketLong</td>
<td>VVQMWR01</td>
</tr>
<tr>
<td>97.</td>
<td>Short securities MTM</td>
<td>Market value of all short securities positions.</td>
<td>M</td>
<td>1..1</td>
<td>xs:nonNegative Integer(24)</td>
<td>volckerMetricsReport/tradingDesk/positions/@securitiesMarketShort</td>
<td>VVQMWR02</td>
</tr>
</tbody>
</table>

---

\(^{50}\) See Appendix IV.c.

\(^{51}\) See Appendix IV.c.1.iv; 2.iv; 3.iv.

\(^{52}\) For example, if a trading desk relies on § __.4(b) and § __.5 to conduct market making-related activity and risk-mitigating hedging activity, respectively, the reported Securities Inventory Aging metric for the desk must reflect the risk-mitigating hedging activity and market making-related activity associated with the desk’s securities positions. The trading desk in this example is not required to include trading activity conducted under §§ __.3(d), __.6(c), __.6(d), or __.6(e) in the proposed Securities Inventory Aging metric, unless the banking entity includes such activity as “covered trading activity” for the desk under the Appendix. This is consistent with the definition of “covered trading activity,” which provides that a banking entity may include in its covered trading activity trading conducted under §§ __.3(d), __.6(c), __.6(d), or __.6(e).

\(^{53}\) The reported values should be based on the trading desk’s end-of-day positions for a given trading day.

\(^{54}\) See Appendix IV.c.1; see also §§ __.2(h), (y). For example, under the rule, a security-based swap is both a “security” and a “derivative.” For purposes of the Positions quantitative measurement, security-based swaps are reported as derivatives rather than as securities.

\(^{55}\) See Appendix IV.c.1.iv.

\(^{56}\) See Appendix IV.c.1.
## Part 6. Transaction Volumes

A banking entity is required to report the Transaction Volumes quantitative measurement for trading desks that rely on § 214(a) or § 214(b) to conduct underwriting activity or market making-related activity, respectively.

The Transaction Volumes metric measures the security and derivative transactions conducted by a trading desk with four exclusive categories of counterparties. Specifically, a banking entity must report the value and number of security and derivative transactions conducted by the trading desk with: (i) customers, excluding internal transactions; (ii) non-customers, excluding internal transactions; (iii) trading desks and other organizational units where the transaction is booked in the same banking entity; and (iv) trading desks and other organizational units where the transaction is booked into an affiliated banking entity. For purposes of calculating the Transaction Volumes quantitative measurement, do not include in the Transaction Volumes calculation for “securities” those “securities” that are also “derivatives,” as those terms are defined under §§ 212(h) and 212(y); instead, report those securities that are also derivatives as “derivatives.”

For securities, value means gross market value. For commodity derivatives, value means the gross notional value, i.e., the current dollar market value of the quantity of the commodity underlying the derivative (e.g., a derivative on 100,000 barrels of a certain grade of oil would have a notional value of 100,000 multiplied by the current market value of a barrel of that grade of oil). For all other derivatives, value means the gross notional value.

For a trading desk engaged in market making-related activity, a counterparty is considered to be a customer of the trading desk if the counterparty is a market participant that makes use of the banking entity’s market making-related services by obtaining such services, responding to quotations, or entering into a continuing relationship with respect to such services. However, a trading desk or other organizational unit of another banking entity would not be a client, customer, or counterparty of the trading desk engaged in market making-related activity if the other entity has trading assets and liabilities of $50 billion or more as measured in accordance with § 212.20(d)(1), unless the market-making desk documents how and why a particular trading desk or other organizational unit of the entity should be treated as a client, customer, or counterparty of the market-making desk or the transaction is conducted anonymously on an exchange or similar trading facility that permits trading on behalf of a broad range of market participants.

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### Table: Technical Specifications Guidance

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>98.</td>
<td>Derivative receivables MTM</td>
<td>Market value of all derivatives receivables.</td>
<td>M</td>
<td>1..1</td>
<td>xs:nonNegative Integer(24)</td>
<td>volckerMetricsReport/tradingDesk/positions@derivativesMarketReceivable</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td>volckerMetricsReport/tradingDesk/positions@derivativesMarketReceivableMdrm</td>
<td>VVQMY904</td>
</tr>
<tr>
<td>99.</td>
<td>Derivative payable MTM</td>
<td>Market value of all derivatives payables.</td>
<td>M</td>
<td>1..1</td>
<td>xs:nonNegative Integer(24)</td>
<td>volckerMetricsReport/tradingDesk/positions@derivativesMarketPayable</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td>volckerMetricsReport/tradingDesk/positions@derivativesMarketPayableMdrm</td>
<td>VVQMY905</td>
</tr>
<tr>
<td>100.</td>
<td>Notional derivative receivables</td>
<td>Notional value of all derivatives receivables.</td>
<td>M</td>
<td>1..1</td>
<td>xs:nonNegative Integer(24)</td>
<td>volckerMetricsReport/tradingDesk/positions@derivativesNotionalReceivable</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td>volckerMetricsReport/tradingDesk/positions@derivativesNotionalReceivableMdrm</td>
<td>VVQMY902</td>
</tr>
<tr>
<td>101.</td>
<td>Notional derivative payable</td>
<td>Notional value of all derivatives payables.</td>
<td>M</td>
<td>1..1</td>
<td>xs:nonNegative Integer(24)</td>
<td>volckerMetricsReport/tradingDesk/positions@derivativesNotionalPayable</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0..1</td>
<td>xs:string (8)</td>
<td>volckerMetricsReport/tradingDesk/positions@derivativesNotionalPayableMdrm</td>
<td>VVQMY903</td>
</tr>
</tbody>
</table>

57 See Appendix IV.c.2; see also §§ 212(h), (y).
58 See Appendix IV.c.2.i.
59 See § 214(b)(3); Appendix IV.c.2.i.
For a trading desk engaged in underwriting activity, a counterparty is considered to be a customer of the trading desk if the counterparty is a market participant that may transact with the banking entity in connection with a particular distribution for which the banking entity is acting as underwriter. 60

For purposes of the Transaction Volumes quantitative measurement, transactions conducted with customers exclude internal transactions (i.e., inter-affiliate and intra-company transactions). For purposes of the Transaction Volumes quantitative measurement, transactions conducted with non-customers exclude internal transactions (i.e., inter-affiliate and intra-company transactions). Material amendments to the economic terms of existing financial instrument contracts (other than corrections, cancellations, or exercises) are considered new trades. 61

For each applicable trading desk,62 provide the following information for every trading day in a calendar month. 63

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Reqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>102.</td>
<td>Transaction volume element</td>
<td>Element containing the daily transaction volumes for a trading desk.</td>
<td>C</td>
<td>0..31</td>
<td>[EMPTY ELEMENT]</td>
<td>volckerMetricsReport/tradingDesk/transactionVolumes</td>
<td></td>
</tr>
<tr>
<td>103.</td>
<td>Trade date</td>
<td>Provide the calendar date of the month. Use the format YYYY-MM-DD.</td>
<td>M</td>
<td>1..1</td>
<td>xs:date</td>
<td>volckerMetricsReport/tradingDesk/transactionVolumes/@date</td>
<td>Date format: YYYY-MM-DD</td>
</tr>
<tr>
<td>104.</td>
<td>Gross market value of all securities transactions conducted with customers.</td>
<td>Gross market value of all securities transactions conducted with customers.</td>
<td>M</td>
<td>1..1</td>
<td>xs:nonNegative Integer(24)</td>
<td>volckerMetricsReport/tradingDesk/transactionVolumes/@grossCustomerSecuritiesMarketValue</td>
<td>VQQMY379</td>
</tr>
<tr>
<td>105.</td>
<td>Number of all securities transactions conducted with customers.</td>
<td>Number of all securities transactions conducted with customers.</td>
<td>M</td>
<td>1..1</td>
<td>xs:integer(24)</td>
<td>volckerMetricsReport/tradingDesk/transactionVolumes/@grossCustomerSecuritiesVolume</td>
<td>VQQMW905</td>
</tr>
<tr>
<td>106.</td>
<td>Gross notional value of all derivatives transactions conducted with customers.</td>
<td>Gross notional value of all derivatives transactions conducted with customers.</td>
<td>M</td>
<td>1..1</td>
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<td>VQQMW906</td>
</tr>
<tr>
<td>107.</td>
<td>Number of all derivatives transactions conducted with customers.</td>
<td>Number of all derivatives transactions conducted with customers.</td>
<td>M</td>
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<tr>
<td>108.</td>
<td>Gross market value of all securities transactions conducted with non-customers.</td>
<td>Gross market value of all securities transactions conducted with non-customers.</td>
<td>M</td>
<td>1..1</td>
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<tr>
<td>109.</td>
<td>Number of all securities transactions conducted with non-customers.</td>
<td>Number of all securities transactions conducted with non-customers.</td>
<td>M</td>
<td>1..1</td>
<td>xs:integer(24)</td>
<td>volckerMetricsReport/tradingDesk/transactionVolumes/@grossNonCustomerSecuritiesVolume</td>
<td>VQQMW909</td>
</tr>
</tbody>
</table>

60 See § __.4(a)(7); Appendix IV.c.2.i.
61 For example, unwinds, partial terminations, novations, assignments of financial instrument contracts, a change to the end date for a financial instrument contract, or a change in the cash flows or rates originally reported for a financial instrument contract generally should be treated as additive trade count events for purposes of the Transaction Volumes quantitative measurement.
62 See Appendix IV.c.2.iv.
63 See Appendix IV.c.2.
### Volcker Rule Technical Specifications Guidance

#### Part 7. Securities Inventory Aging

A banking entity is required to report the Securities Inventory Aging quantitative measurement for trading desks that rely on § __.4(a) or § __.4(b) to conduct underwriting activity or market making-related activity, respectively.

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Gross notional value of all derivatives transactions conducted with non-customers.</td>
<td>M</td>
<td>1.1</td>
<td>xs:nonNegativeInteger(24)</td>
<td>volckerMetricsReport/tradingDesk/transactionVolumes@grossNonCustomerDerivativesNotionalValue</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0.1</td>
<td>xs:string(8)</td>
<td>volckerMetricsReport/tradingDesk/transactionVolumes@nonCustomerDerivativesNotionalValueMdrm</td>
</tr>
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<td>111.</td>
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<td>Number of all derivatives transactions conducted with non-customers.</td>
<td>M</td>
<td>1.1</td>
<td>xs:integer(24)</td>
<td>volckerMetricsReport/tradingDesk/transactionVolumes@grossNonCustomerDerivativesVolume</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0.1</td>
<td>xs:string(8)</td>
<td>volckerMetricsReport/tradingDesk/transactionVolumes@nonCustomerDerivativesVolumeMdrm</td>
</tr>
<tr>
<td>112.</td>
<td>Value intra-company securities transactions</td>
<td>Gross market value of all securities transactions where the transaction is booked in the same banking entity.</td>
<td>M</td>
<td>1.1</td>
<td>xs:nonNegativeInteger(24)</td>
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<tr>
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<td></td>
<td></td>
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<tr>
<td>113.</td>
<td>Volume intra-company securities transactions</td>
<td>Number of all securities transactions where the transaction is booked in the same banking entity.</td>
<td>M</td>
<td>1.1</td>
<td>xs:integer(24)</td>
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<td></td>
<td></td>
<td>C</td>
<td>0.1</td>
<td>xs:string(8)</td>
<td>volckerMetricsReport/tradingDesk/transactionVolumes@intraDeskSecuritiesVolumeMdrm</td>
</tr>
<tr>
<td>114.</td>
<td>Value intra-company derivatives transactions</td>
<td>Gross notional value of all derivatives transactions where the transaction is booked in the same banking entity.</td>
<td>M</td>
<td>1.1</td>
<td>xs:nonNegativeInteger(24)</td>
<td>volckerMetricsReport/tradingDesk/transactionVolumes@grossIntraDeskDerivativesNotionalValue</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
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<td>xs:string(8)</td>
<td>volckerMetricsReport/tradingDesk/transactionVolumes@intraDeskDerivativesNotionalValueMdrm</td>
</tr>
<tr>
<td>115.</td>
<td>Volume intra-company derivatives transactions</td>
<td>Number of all derivatives transactions where the transaction is booked in the same banking entity.</td>
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<td>1.1</td>
<td>xs:integer(24)</td>
<td>volckerMetricsReport/tradingDesk/transactionVolumes@grossIntraDeskDerivativesVolume</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
<td>0.1</td>
<td>xs:string(8)</td>
<td>volckerMetricsReport/tradingDesk/transactionVolumes@intraDeskDerivativesVolumeMdrm</td>
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<tr>
<td>116.</td>
<td>Value inter-affiliate securities transactions</td>
<td>Gross market value of all securities transactions where the transaction is booked in an affiliated banking entity.</td>
<td>M</td>
<td>1.1</td>
<td>xs:nonNegativeInteger(24)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
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<td>xs:string(8)</td>
<td>volckerMetricsReport/tradingDesk/transactionVolumes@interAffiliateSecuritiesMarketValueMdrm</td>
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<tr>
<td>117.</td>
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<td>Number of all securities transactions where the transaction is booked in an affiliated banking entity.</td>
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<td>1.1</td>
<td>xs:integer(24)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
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<td>xs:string(8)</td>
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<tr>
<td>118.</td>
<td>Value inter-affiliate derivatives transactions</td>
<td>Gross notional value of all derivatives transactions where the transaction is booked in an affiliated banking entity.</td>
<td>M</td>
<td>1.1</td>
<td>xs:nonNegativeInteger(24)</td>
<td>volckerMetricsReport/tradingDesk/transactionVolumes@grossInterAffiliateDerivativesNotionalValue</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C</td>
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<td>xs:string(8)</td>
<td>volckerMetricsReport/tradingDesk/transactionVolumes@interAffiliateDerivativesNotionalValueMdrm</td>
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<tr>
<td>119.</td>
<td>Volume inter-affiliate derivatives transactions</td>
<td>Number of all derivatives transactions where the transaction is booked in an affiliated banking entity.</td>
<td>M</td>
<td>1.1</td>
<td>xs:integer(24)</td>
<td>volckerMetricsReport/tradingDesk/transactionVolumes@grossInterAffiliateDerivativesVolume</td>
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<td></td>
<td></td>
<td>C</td>
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<td>xs:string(8)</td>
<td>volckerMetricsReport/tradingDesk/transactionVolumes@interAffiliateDerivativesVolumeMdrm</td>
</tr>
</tbody>
</table>
Securities Inventory Aging generally describes a schedule of the market value of a trading desk’s securities positions and the amount of time that those securities positions have been held. Securities Inventory Aging must measure the age profile of the trading desk’s securities positions for the following periods: 0-30 calendar days; 31-60 calendar days; 61-90 calendar days; 91-180 calendar days; 181-360 calendar days; and greater than 360 calendar days. Securities Inventory Aging is calculated as the “current date” less the “trade date” (therefore the age profile of a new trade would be zero). Banking entities should apply a First In, First Out (FIFO) method in measuring the age profile. For purposes of the Securities Inventory Aging quantitative measurement, do not include securities that are also “derivatives,” as those terms are defined under §§ __.2(h) and __.2(y).

Securities Inventory Aging includes two schedules, a security asset-aging schedule and a security liability-aging schedule. For each schedule, record the market value of assets or liabilities over all holding periods.

“To be announced (TBA)” agency mortgage-backed securities (MBS) should be aged as cash from the initial trade date. Aging is reset upon settlement of the TBA into an agency MBS, at such point the MBS is then aged from day zero.

For each applicable trading desk, provide the following information for every trading day in a calendar month.

### Part 7.A: Security Asset-Age Profile

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
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<td>0..31</td>
<td>[EMPTY ELEMENT]</td>
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<tr>
<td>121.</td>
<td>Trade date</td>
<td>Provide the calendar date of the month. Use the format YYYY-MM-DD.</td>
<td>M</td>
<td>1..1</td>
<td>xs:date</td>
<td>volckerMetricsReport/tradingDesk/securityAssetAging@date</td>
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<tr>
<td>122.</td>
<td>Value held 0-30</td>
<td>The market value of security assets held 0 through 30 calendar days.</td>
<td>M</td>
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<td>123.</td>
<td>Value held 31-60</td>
<td>The market value of security assets held 31 through 60 calendar days.</td>
<td>M</td>
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<tr>
<td>124.</td>
<td>Value held 61-90</td>
<td>The market value of security assets held 61 through 90 calendar days.</td>
<td>M</td>
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<td>volckerMetricsReport/tradingDesk/securityAssetAging@value90</td>
<td>VVQMY427</td>
</tr>
</tbody>
</table>

---

64 See Appendix IV.c.3.
65 See Appendix IV.c.3.
66 For purposes of Securities Inventory Aging, if a position is transferred between different desks within the same banking entity (i.e., an intra-company trade), the age of the position does not reset. In the case of an inter-affiliate trade, the age of the position may be reset.
67 See §§ __.2(h), (y).
68 See Appendix IV.c.3.
69 See Appendix IV.c.3.
70 See Appendix IV.c.3.
### Part 7.B: Security Liability-Age Profile

<table>
<thead>
<tr>
<th>Item</th>
<th>Field</th>
<th>Description</th>
<th>Rqmt</th>
<th>Occurs</th>
<th>Data Type</th>
<th>XPath</th>
<th>Valid Value</th>
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</thead>
<tbody>
<tr>
<td>129.</td>
<td>Trade date</td>
<td>Provide the calendar date of the month. Use the format YYY-MM-DD.</td>
<td>M</td>
<td>1..1</td>
<td>xs:date</td>
<td>volckerMetricsReport/tradingDesk/securityLiabilityAging@date</td>
<td>Date format: YYYY-MM-DD</td>
</tr>
<tr>
<td>130.</td>
<td>Value held 0-30</td>
<td>The market value of security liabilities held 0 through 30 calendar days.</td>
<td>M</td>
<td>1..1</td>
<td>xs:nonNegative Integer(24)</td>
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<td>VVQMY434</td>
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<tr>
<td>131.</td>
<td>Value held 31-60</td>
<td>The market value of security liabilities held 31 through 60 calendar days.</td>
<td>M</td>
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<td>xs:nonNegative Integer(24)</td>
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<tr>
<td>132.</td>
<td>Value held 61-90</td>
<td>The market value of security liabilities held 61 through 90 calendar days.</td>
<td>M</td>
<td>1..1</td>
<td>xs:nonNegative Integer(24)</td>
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<tr>
<td>133.</td>
<td>Value held 91-180</td>
<td>The market value of security liabilities held 91 through 180 calendar days.</td>
<td>M</td>
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<td>VVQMY437</td>
</tr>
<tr>
<td>134.</td>
<td>Value held 181-360</td>
<td>The market value of security liabilities held 181 through 360 calendar days.</td>
<td>M</td>
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<td>VVQMY438</td>
</tr>
<tr>
<td>135.</td>
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<td>The market value of security liabilities held more than 360 calendar days.</td>
<td>M</td>
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<td>VVQMY439</td>
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Annex A: Tables of Values from Instructions

Table A - Type of Covered Trading Activity

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<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>UW</td>
<td>Underwriting activity exempted under § __.4(a)</td>
</tr>
<tr>
<td>MM</td>
<td>Market making-related activity exempted under § __.4(b)</td>
</tr>
<tr>
<td>Hedging</td>
<td>Risk-mitigating hedging activity exempted under § __.5 with respect to financial instruments</td>
</tr>
<tr>
<td>Hedging of Excluded</td>
<td>Risk-mitigating hedging activity exempted under § __.5, conducted exclusively to hedge excluded products</td>
</tr>
<tr>
<td>US Gov</td>
<td>Trading in domestic government obligations exempted under § __.6(a)</td>
</tr>
<tr>
<td>Foreign Gov</td>
<td>Trading in foreign government obligations exempted under § __.6(b)</td>
</tr>
<tr>
<td>Fiduciary</td>
<td>Fiduciary transactions exempted under § __.6(c)(1)</td>
</tr>
<tr>
<td>RP</td>
<td>Riskless principal transactions exempted under § __.6(c)(2)</td>
</tr>
<tr>
<td>Insurance</td>
<td>Trading by an insurance company or its affiliate exempted under § __.6(d)</td>
</tr>
<tr>
<td>TOTUS</td>
<td>Trading by a foreign banking entity exempted under § __.6(e)</td>
</tr>
<tr>
<td>Repo</td>
<td>Activity excluded under § __.3(d)(1)</td>
</tr>
<tr>
<td>Sec Lending</td>
<td>Activity excluded under § __.3(d)(2)</td>
</tr>
<tr>
<td>Liquidity Mgmt</td>
<td>Activity excluded under § __.3(d)(3)</td>
</tr>
<tr>
<td>DCO/CA</td>
<td>Activity excluded under § __.3(d)(4)</td>
</tr>
<tr>
<td>Clearing Member</td>
<td>Activity excluded under § __.3(d)(5)</td>
</tr>
<tr>
<td>Delivery</td>
<td>Activity excluded under § __.3(d)(6)(i)</td>
</tr>
<tr>
<td>Judicial</td>
<td>Activity excluded under § __.3(d)(6)(ii)</td>
</tr>
<tr>
<td>Agent</td>
<td>Activity excluded under § __.3(d)(7)</td>
</tr>
<tr>
<td>Employee</td>
<td>Activity excluded under § __.3(d)(8)</td>
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<tr>
<td>DPC</td>
<td>Activity excluded under § __.3(d)(9)</td>
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</table>

Table B - Identifiers

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<tr>
<td>CRD</td>
<td>Central Registration Depository number</td>
</tr>
<tr>
<td>RSSD</td>
<td>Research, Statistics, Supervision and Regulation, and Discount and Credit Database ID</td>
</tr>
<tr>
<td>CIK</td>
<td>Central Index Key</td>
</tr>
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<td>None</td>
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</table>
Annex B: XML Example

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  <riskFactorSensitivityReference identifier="RF020002 identifierMdr="VVTQ0088" name="Base Metals OTC Delta" nameMdr="VQM9892" description="Weighted delta measured across all base metals commodity contracts. Positive delta = rise in base metals prices" descriptionMdr="VQM9897" unit="Percent" unitMdr="VQM9894"/>
</volckerMetricsReport>
```

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null
<table>
<thead>
<tr>
<th>Date</th>
<th>Value</th>
<th>Change</th>
<th>Mdmr</th>
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<td>VVQMY395</td>
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</tradingDesk>
</volckerMetricsReport>
Annex C: Volcker XSD

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified" version="2018-06-05" xml:lang="EN">
  <!--THIS SCHEMA IS A DRAFT INTENDED FOR ANALYSIS AND REVISION PURPOSES ONLY. DO NOT IMPLEMENT IN PRODUCTION ENVIRONMENTS. -->
  <!--Custom Type Definitions-->
  <xs:simpleType name="booleanFlag_type">
    <xs:annotation>
      <xs:appinfo>
        <xs:documentation>0 = No</xs:documentation>
        <xs:documentation>1 = Yes</xs:documentation>
      </xs:appinfo>
    </xs:annotation>
    <xs:restriction base="xs:boolean">
      <xs:pattern value="[01]{1}"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="decimal24_2_type">
    <xs:annotation>
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    </xs:annotation>
    <xs:restriction base="xs:decimal">
      <xs:totalDigits value="24"/>
      <xs:fractionDigits value="2"/>
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  <xs:simpleType name="decimal24_4_type">
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      <xs:documentation>Custom datatype, large decimal totalDig 24,FracDig 4</xs:documentation>
    </xs:annotation>
    <xs:restriction base="xs:decimal">
      <xs:totalDigits value="24"/>
      <xs:fractionDigits value="4"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="decimal24_8_type">
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      <xs:documentation>Custom datatype, large integer totalDig 24</xs:documentation>
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  <xs:simpleType name="nonNegInteger24_type">
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      <xs:documentation>Custom datatype, large, non-negative integer totalDig 24</xs:documentation>
    </xs:annotation>
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  </xs:simpleType>
  <xs:simpleType name="string8_type">
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  </xs:simpleType>
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  </xs:simpleType>
</xs:schema>
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  <xs:annotation>
    <xs:documentation>Unique metadata tag.</xs:documentation>
  </xs:annotation>
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    <xs:restriction base="string8_type">
      <xs:enumeration value="VVQMY391"/>
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>

<xs:attribute name="netOrGross" use="required">
  <xs:annotation>
    <xs:documentation>Indicate whether the limit measures risk on a net or gross basis.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="Net"/>
      <xs:enumeration value="Gross"/>
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  </xs:simpleType>
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<xs:attribute name="netOrGrossMdrm" default="VVQMW895">
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    <xs:documentation>Unique metadata tag.</xs:documentation>
  </xs:annotation>
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      <xs:enumeration value="VVQMW895"/>
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<xs:attribute name="category" use="required">
  <xs:annotation>
    <xs:documentation>Identify which of the following categories best describes the limit.
    a. VaR
    b. Position limit
    c. Sensitivity limit
    d. Stress scenario
    e. Other</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="VAR"/>
      <xs:enumeration value="POS"/>
      <xs:enumeration value="SENS"/>
      <xs:enumeration value="SCENARIO"/>
      <xs:enumeration value="OTHER"/>
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<xs:attribute name="categoryMdrm" default="VVQMW896">
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    <xs:documentation>Unique metadata tag.</xs:documentation>
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      <xs:enumeration value="VVQMW896"/>
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<xs:attribute name="otherDescription" type="string250_type">
  <xs:annotation>
    <xs:documentation>Enter description of the "Other" category identified in [Type of limit].</xs:documentation>
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<xs:attribute name="otherDescriptionMdrm" default="VVQMW894">
  <xs:annotation>
    <xs:documentation>Unique metadata tag.</xs:documentation>
  </xs:annotation>
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    <xs:restriction base="string8_type">
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>
<xs:attribute name="identifier" type="string100_type" use="required">
  <xs:annotation>
    <xs:documentation>A character string to be used as the permanent unique identifier for the Risk Factor Sensitivity. The sensitivity identifier is permanent in the sense that it has the same meaning in all future quantitative measurements submissions, even if the set of desks for which the sensitivity is reported changes.</xs:documentation>
  </xs:annotation>
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    <xs:documentation>Unique metadata tag.</xs:documentation>
  </xs:annotation>
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<xs:attribute name="name" type="string100_type" use="required">
  <xs:annotation>
    <xs:documentation>The name of the Risk Factor Sensitivity.</xs:documentation>
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</xs:attribute>

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  <xs:annotation>
    <xs:documentation>Unique metadata tag.</xs:documentation>
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<xs:attribute name="description" type="string250_type" use="required">
  <xs:annotation>
    <xs:documentation>Provide a description of the Risk Factor Sensitivity.</xs:documentation>
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    <xs:documentation>Unique metadata tag.</xs:documentation>
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    <xs:documentation>Report the type of units of the risk factor change that the entity has identified that impact the portfolio value (for example, for a DV01, the unit is in basis points, while for Equity Delta, the unit is a dollar change in equity prices or percentage change in equity prices).</xs:documentation>
  </xs:annotation>
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    <xs:annotation>
      <xs:documentation>A character string to be used as the permanent unique identifier for the risk factor or other factor attribution. The Risk Factor Attribution identifier is permanent in the sense that it has the same meaning in all future quantitative measurements submissions, even if the set of trading desks for which the attribution is reported changes.</xs:documentation>
    </xs:annotation>
  </xs:attribute>
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    </xs:simpleType>
  </xs:attribute>
  <xs:attribute name="name" type="string100_type" use="required">
    <xs:annotation>
      <xs:documentation>The name of the risk factor or other factor.</xs:documentation>
    </xs:annotation>
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  <xs:attribute name="nameMdrm" default="VVQMW898">
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  </xs:attribute>
  <xs:attribute name="description" type="string250_type" use="required">
    <xs:annotation>
      <xs:documentation>A description of the risk factor or other factor.</xs:documentation>
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  <xs:attribute name="unit" type="string50_type" use="required">
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      <xs:documentation>Report the type of units of the risk factor or other factor change that the entity has identified that impact the portfolio value (for example, for a DV01, the unit is in basis points, while for Equity Delta, the unit is a dollar change in equity prices or percentage change in equity prices).</xs:documentation>
    </xs:annotation>
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  <xs:attribute name="unitMdrm" default="VVQTY394">
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      <xs:documentation>Unique metadata tag.</xs:documentation>
    </xs:annotation>
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        <xs:enumeration value="VVQTY394"/>
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  </xs:attribute>
</xs:attributeGroup>
<xs:attributeGroup name="grpLimitToRiskXRef">
  <xs:annotation>
    <xs:documentation>Attributes describing the Limit to Risk Sensitivity Cross Reference Schedule</xs:documentation>
  </xs:annotation>
</xs:attributeGroup>
<xs:attribute name="positionLimitIdentifier" type="string100_type" use="required">
    <xs:documentation>Enter the Limit identifier listed in the Risk and Position Limits Information Schedule.</xs:documentation>
</xs:attribute>

<xs:attribute name="PLIDMdrm" default="VVQYY382">
    <xs:annotation>
        <xs:documentation>Unique metadata tag.</xs:documentation>
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    <xs:annotation>
        <xs:documentation>Enter the Sensitivity identifier listed in the Risk Factor Sensitivities Information Schedule.</xs:documentation>
    </xs:annotation>
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<xs:attribute name="RFSIDMdrm" default="VVQYT088">
    <xs:annotation>
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</xs:attribute>

<xs:attribute name="riskFactorAttributionIdentifier" type="string100_type" use="required">
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        <xs:documentation>Enter the Risk Factor Attribution identifier listed in the Risk Factor Attribution Information Schedule.</xs:documentation>
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        <xs:documentation>Unique metadata tag.</xs:documentation>
    </xs:annotation>
</xs:attribute>
<xs:annotation>
  <xs:documentation>Attributes describing the Trading Desk</xs:documentation>
</xs:annotation>

<!-- Trading Desk Name -->
<xs:attribute name="deskName" type="string100_type" use="required">
  <xs:annotation>
    <xs:documentation>Provide the name of the trading desk used internally by the banking entity.</xs:documentation>
  </xs:annotation>
</xs:attribute>

<!-- Trading Desk Identifier -->
<xs:attribute name="deskIdentifier" type="string100_type" use="required">
  <xs:annotation>
    <xs:documentation>Provide a unique character string to identify the trading desk. This identifier should generally remain constant for every quantitative measurements submission.</xs:documentation>
  </xs:annotation>
</xs:attribute>

<!-- Trading Desk Currency -->
<xs:attribute name="currency" use="required">
  <xs:annotation>
    <xs:documentation>Specify the currency used by the trading desk.</xs:documentation>
  </xs:annotation>
</xs:attribute>
<xs:attributeGroup name="grpDayOfMonth">
    <xs:annotation>
        <xs:documentation>Attributes describing the Day of the Month</xs:documentation>
    </xs:annotation>
    <xs:attribute name="calendarDate" type="xs:date" use="required">
        <xs:documentation>Provide the calendar date of the month. Use the format YYYY-MM-DD.</xs:documentation>
    </xs:attribute>
    <xs:attribute name="calendarDateMdrm" default="VVQMY899">
        <xs:documentation>Unique metadata tag.</xs:documentation>
        <xs:simpleType>
            <xs:restriction base="string8_type">
                <xs:enumeration value="VVQMY899"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:attribute>
    <xs:attribute name="isTradingDay" type="booleanFlag_type" use="required">
        <xs:documentation>For each calendar day of the month, indicate with a “1” for yes or a “0” for no whether the calendar day is a trading day or not a trading day for the desk.</xs:documentation>
    </xs:attribute>
    <xs:attribute name="tradingDayMdrm" default="VVQMY380">
        <xs:documentation>Unique metadata tag.</xs:documentation>
        <xs:simpleType>
            <xs:restriction base="string8_type">
                <xs:enumeration value="VVQMY380"/>
            </xs:restriction>
        </xs:simpleType>
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</xs:attributeGroup>

<xs:attributeGroup name="grpProfitAndLossFactor">
    <xs:annotation>
        <xs:documentation>Attributes describing the Profit-and-Loss Risk Factor metrics</xs:documentation>
    </xs:annotation>
    <xs:attribute name="identifier" type="string100_type" use="required">
        <xs:documentation>Report the Risk Factor Attribution identifier listed in the Risk Factor Attribution Information Schedule.</xs:documentation>
    </xs:attribute>
    <xs:attribute name="identifierMdrm" default="VVQMT090">
        <xs:documentation>Unique metadata tag.</xs:documentation>
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            </xs:restriction>
        </xs:simpleType>
    </xs:attribute>
    <xs:attribute name="value" type="integer24_type" use="required">
        <xs:documentation>Report the amount of profit or loss due to the risk factor or other factor change.</xs:documentation>
    </xs:attribute>
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    </xs:attribute>
</xs:attributeGroup>
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  <xs:annotation>
    <xs:documentation>Volcker Metrics Report</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="fileDescription">
      <xs:annotation>
        <xs:documentation>Report submission information.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:attributeGroup ref="grpFileDescription"/>
      </xs:complexType>
    </xs:element>
    <xs:element name="reportingFirm">
      <xs:annotation>
        <xs:documentation>Financial institution identifying information.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:attributeGroup ref="grpReportingFirm"/>
      </xs:complexType>
    </xs:element>
    <xs:element name="riskAndPositionLimitReference" maxOccurs="unbounded">
      <xs:annotation>
        <xs:documentation>Risk and Position Limits are existing constraints that define the amount of risk that a trading desk is permitted to take at a point in time, as defined by the banking entity for a specific trading desk.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:attributeGroup ref="grpRiskAndPositionLimitRef"/>
      </xs:complexType>
    </xs:element>
    <xs:element name="riskFactorSensitivityReference" maxOccurs="unbounded">
      <xs:annotation>
        <xs:documentation>Risk Factor Sensitivities are changes in a trading desk's Comprehensive Profit and Loss that are expected to occur in the event of a change in one or more underlying variables that are significant sources of the trading desk's profitability and risk.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:attributeGroup ref="grpRiskFactorSensitivityRef"/>
      </xs:complexType>
    </xs:element>
    <xs:element name="riskAttributionFactorReference" maxOccurs="unbounded">
      <xs:annotation>
        <xs:documentation>The banking entity must report the profit and loss due to changes in the specific risk factors and other factors that are monitored and managed as part of the trading desk's overall risk management policies and procedures.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:attributeGroup ref="grpRiskAttributionFactorRef"/>
      </xs:complexType>
    </xs:element>
    <xs:element name="limitToRiskSensitivityCrossReference" maxOccurs="unbounded">
      <xs:annotation>
        <xs:documentation>Cross-reference a Limit ID to a Sensitivity ID when a particular limit that is reported in the Risk and Position Limits Information Schedule is associated with a sensitivity reported in the Risk Factor Sensitivities Information Schedule.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:attributeGroup ref="grpLimitToRiskXRef"/>
      </xs:complexType>
    </xs:element>
    <xs:element name="riskSensitivityToRiskAttributionCrossReference" maxOccurs="unbounded">
      <xs:annotation>
        <xs:documentation>Cross-reference a Sensitivity ID to a Risk Factor Attribution ID when a particular risk factor that is reported as a sensitivity in the Risk Factor Sensitivities Information Schedule is associated with a risk factor attribution in the reported Risk Factor Attribution Information Schedule.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
With each submission of quantitative measurements, the banking entity must provide the following information for each trading desk engaged in covered trading activities.

Element containing the trading activity information for a trading desk. Identify each covered trading activity in which the trading desk is engaged. Choose from the activity types listed in Table A of Annex A to identify the relevant exemptions or exclusions, and provide the associated code for each type of covered trading activity selected.

UW = Underwriting activity exempted under § 24(a)
MM = Market making-related activity exempted under § 24(b)
Hedging = Risk-mitigating hedging activity exempted under § 25
Hedging of Excluded = Risk-mitigating hedging activity exempted under § 25, conducted exclusively to hedge excluded products
US Gov = Trading in domestic government obligations exempted under § 26(a)
Foreign Gov = Trading in foreign government obligations
Fiduciary = Fiduciary transactions exempted under § 26(c)(1)
RP = Riskless principal transactions exempted under § 26(c)(2)
Insurance = Trading by an insurance company or its affiliate
TOTUS = Trading by a foreign banking entity exempted under § 26(e)
Repo = Activity excluded under § 3(d)(1)
Sec Lending = Activity excluded under § 3(d)(2)
Liquidity Mgmt = Activity excluded under § 3(d)(3)
DCO/CA = Activity excluded under § 3(d)(4)
Clearing Member = Activity excluded under § 3(d)(5)
Delivery = Activity excluded under § 3(d)(6)(i)
Judicial = Activity excluded under § 3(d)(6)(ii)
Agent = Activity excluded under § 3(d)(7)
Employee = Activity excluded under § 3(d)(8)
DPC = Activity excluded under § 3(d)(9)
<xs:enumeration value="Fiduciary"/>
<xs:enumeration value="RP"/>
<xs:enumeration value="Insurance"/>
<xs:enumeration value="TOTUS"/>
<xs:enumeration value="Repo"/>
<xs:enumeration value="Sec Lending"/>
<xs:enumeration value="Liquidity Mgmt"/>
<xs:enumeration value="DCO/CA"/>
<xs:enumeration value="Clearing Member"/>
<xs:enumeration value="Delivery"/>
<xs:enumeration value="Judicial"/>
<xs:enumeration value="Agent"/>
<xs:enumeration value="Employee"/>
<xs:enumeration value="DPC"/>

<xs:complexType>
  <xs:attribute name="activityMdrm" default="VVQMW890">
    <xs:annotation>
      <xs:documentation>Unique metadata tag.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
      <xs:restriction base="string8_type">
        <xs:enumeration value="VVQMW890"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:attribute>
  <xs:complexType>
    <xs:attribute name="productMdrm" default="VVQMW900">
      <xs:annotation>
        <xs:documentation>Unique metadata tag.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="string8_type">
          <xs:enumeration value="VVQMW900"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
    <xs:attribute name="isMain" type="booleanFlag_type" use="required">
      <xs:annotation>
        <xs:documentation>Indicate which of these are the main financial instruments or products purchased and sold by the trading desk. Set the Boolean condition to true (1), otherwise set to false (0).</xs:documentation>
      </xs:annotation>
    </xs:attribute>
    <xs:attribute name="mainMdrm" default="VVQMW911">
      <xs:annotation>
        <xs:documentation>Unique metadata tag.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="string8_type">
          <xs:enumeration value="VVQMW911"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
    <xs:attribute name="includedInMarketMaking" type="booleanFlag_type" use="required">
      <xs:annotation>
        <xs:documentation>Indicate whether each type of financial instrument listed in [Name of financial instrument/trading product] is included in market-maker inventory or not included in market-maker inventory. Set the Boolean condition to true (1), otherwise set to false (0).</xs:documentation>
      </xs:annotation>
    </xs:attribute>
  </xs:complexType>
</xs:element>

Element containing the trading product information for a trading desk.
definition of “financial instrument” under § 3(c)(2) (“excluded products”). Set the Boolean condition to true (1), otherwise set to false (0).\end{xs:documentation}
</xs:attribute>
</xs:element>
<xs:element name="legalEntity" maxOccurs="unbounded">
<xs:complexType>
<xs:sequence>
<xs:element name="entityIdentifier" maxOccurs="unbounded">
<xs:complexType>
<xs:documentation>Element containing the entity identifier information.\end{xs:documentation>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="legalEntity" maxOccurs="unbounded">
<xs:complexType>
<xs:sequence>
<xs:element name="entityIdentifier" maxOccurs="unbounded">
<xs:complexType>
<xs:documentation>Element containing the entity identifier information.\end{xs:documentation>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="legalEntity" maxOccurs="unbounded">
<xs:complexType>
<xs:sequence>
<xs:element name="identifier" type="string100_type">
<xs:annotation>
<xs:documentation>For each legal entity, the banking entity should provide any applicable identifier value(s) associated with the legal entity name and the type(s) listed in Table B of Annex A. If more than one identifier value applies, provide all indicated identifier values.\end{xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="identifierMdrm" default="VVMFMC45">
<xs:annotation>
<xs:documentation>Unique metadata tag.\end{xs:documentation>
</xs:annotation>
</xs:element>
</xs:complexType>
</xs:element>
banking entity should indicate the entity identifier type (code). If the legal entity has none of the identifier(s) listed in Table B of Annex A, the banking entity should report "None."</xs:documentation>

<xs:attribute name="idType" use="required">
  <xs:annotation>
    <xs:documentation>For each legal entity, the
banking entity should indicate the entity identifier type (code). If the legal entity has none of the identifier(s) listed in Table B of Annex A, the banking entity should report "None."</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="LEI"/>
      <xs:enumeration value="CRD"/>
      <xs:enumeration value="RSSD"/>
      <xs:enumeration value="CIK"/>
      <xs:enumeration value="None"/>
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>

<xs:attribute name="idTypeMdrm" default="VVQMFC44">
  <xs:annotation>
    <xs:documentation>Unique metadata tag.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="string8_type">
      <xs:enumeration value="VVQMFC44"/>
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>

<xs:element name="entityType" maxOccurs="unbounded">
  <xs:complexType>
    <xs:attribute name="type" use="required">
      <xs:annotation>
        <xs:documentation>For each legal entity that
serves as a booking entity for covered trading activities, specify any of the following applicable entity types for that legal entity. If more than one entity type applies to a particular legal entity, provide all applicable entity types for that legal entity.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value="National bank"/>
          <xs:enumeration value="Federal branch or Federal agency of a foreign bank"/>
          <xs:enumeration value="Federal savings association"/>
          <xs:enumeration value="Federal savings bank"/>
          <xs:enumeration value="State nonmember bank"/>
          <xs:enumeration value="Foreign bank having an insured branch"/>
          <xs:enumeration value="State savings association"/>
          <xs:enumeration value="U.S.-registered broker-dealer"/>
          <xs:enumeration value="U.S.-registered security-based swap dealer"/>
          <xs:enumeration value="U.S.-registered major security-based swap participant"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
    <xs:attribute name="typeMdrm" default="VVQMFC55">
      <xs:annotation>
        <xs:documentation>Unique metadata tag.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="string8_type">
          <xs:enumeration value="VVQMFC55"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
  </xs:complexType>
</xs:element>
<xs:attribute name="type" default="Major swap participant">
  <xs:annotation>
    <xs:documentation>Major swap participant</xs:documentation>
  </xs:annotation>
  <xs:enumeration value="Major swap participant"/>
  <xs:enumeration value="Derivatives clearing organization"/>
  <xs:enumeration value="Commission merchant"/>
  <xs:enumeration value="Pool operator"/>
  <xs:enumeration value="Trading advisor"/>
  <xs:enumeration value="Broker"/>
  <xs:enumeration value="Exchange Dealer"/>
  <xs:enumeration value="Bank"/>
  <xs:enumeration value="Company"/>
  <xs:enumeration value="Loan holding company"/>
  <xs:enumeration value="Banking organizations as defined in 12 CFR 211.21(o)"/>
  <xs:enumeration value="State member bank"/>
  <xs:enumeration value="Bank holding company"/>
  <xs:enumeration value="Savings and loan holding company"/>
  <xs:enumeration value="Foreign banking organizations as defined in 12 CFR 211.21(o)"/>
  <xs:enumeration value="Uninsured state-licensed branch or agency of a foreign bank"/>
  <xs:enumeration value="Other"/>
</xs:attribute>

<xs:attribute name="legalEntityName" type="string500_type" use="required">
  <xs:annotation>
    <xs:documentation>Provide the complete name of each legal entity that serves as a booking entity for covered trading activities conducted by the trading desk.</xs:documentation>
  </xs:annotation>
</xs:attribute>

<xs:attribute name="entityNameMdrm" default="VVQMY900">
  <xs:annotation>
    <xs:documentation>Unique metadata tag.</xs:documentation>
  </xs:annotation>
</xs:attribute>

<xs:attribute name="typeMdrm" default="VVQMY897">
  <xs:annotation>
    <xs:documentation>Unique metadata tag.</xs:documentation>
  </xs:annotation>
</xs:attribute>

<xs:attribute name="otherDescription" type="string500_type" use="optional">
  <xs:annotation>
    <xs:documentation>Enter description of the "Other entity type not listed" category identified in [Entity type identification], including a subsidiary of a legal entity described in [Entity type identification] where the subsidiary itself is an entity type not listed.</xs:documentation>
  </xs:annotation>
</xs:attribute>

<xs:attribute name="otherMdrm" default="VVQMFC46">
  <xs:annotation>
    <xs:documentation>Unique metadata tag.</xs:documentation>
  </xs:annotation>
</xs:attribute>

<xs:documentation>Unique metadata tag.</xs:documentation>
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no as to whether the identified legal entity is a main booking entity for covered trading activities of the desk.

A banking entity is required to report the Risk and Position Limits and Usage quantitative measurement for all trading desks engaged in covered trading activities.

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A banking entity is required to report the Risk and Position Limits and Usage quantitative measurement for all trading desks engaged in covered trading activities.
the banking entity that represents the amount of risk the trading desk is permitted to take at a point in time. A lower limit is one where value of the risk cannot go below the limit.

A banking entity is required to report the Risk Factor Sensitivities quantitative measurement for all trading desks engaged in covered trading activities. The Risk Factor Sensitivities quantitative measurement is a way to quantify the risk associated with a trading desk's risk or positions that are accounted for by the daily activity of the desk. For limits accounted for at the end of the day, report the value of usage as of the end of the day. For limits accounted for during the day (intraday), report the maximum value of usage. Report the actual value of the risk or positions, not the percentage of the upper or lower limit utilized.
<xs:complexType>
  <xs:attribute name="date" type="xs:date" use="required">
    <xs:documentation>Provide the calendar date of the month. Use the format YYYY-MM-DD.</xs:documentation>
  </xs:attribute>
  <xs:attribute name="dateMdrm" default="VVQMY379">
    <xs:documentation>Unique metadata tag.</xs:documentation>
  </xs:attribute>
  <xs:attribute name="change" type="decimal24_2_type" use="required">
    <xs:documentation>Report the magnitude of the change in the risk factor that is used to determine the Risk Factor Sensitivity (e.g., for a DV01, the magnitude is 1 or -1; for an Equity Delta, the magnitude is 1 or -1; and for a CS100, the magnitude is 100 or -100).</xs:documentation>
  </xs:attribute>
  <xs:attribute name="changeMdrm" default="VVQMY393">
    <xs:documentation>Unique metadata tag.</xs:documentation>
  </xs:attribute>
  <xs:attribute name="value" type="integer24_type" use="required">
    <xs:documentation>Report the aggregated change across all of the positions held by this trading desk on the specified trading day, given a change in the identified risk factor.</xs:documentation>
  </xs:attribute>
  <xs:attribute name="valueMdrm" default="VVQMY395">
    <xs:documentation>Unique metadata tag.</xs:documentation>
  </xs:attribute>
  <xs:attribute name="identifier" type="string100_type" use="required">
    <xs:documentation>Report the sensitivity ID listed in the Risk Factor Sensitivities Information Schedule.</xs:documentation>
  </xs:attribute>
  <xs:attribute name="identifierMdrm" default="VVQMT088">
    <xs:documentation>Unique metadata tag.</xs:documentation>
  </xs:attribute>
</xs:complexType>
A banking entity is required to report the VaR quantitative measurement for all trading desks engaged in covered trading activities. A banking entity is required to report the Stressed VaR quantitative measurement for all trading desks engaged in covered trading activities, except trading desks whose covered trading activity is conducted exclusively to hedge excluded products.

Provide the calendar date of the month. Use the format YYYY-MM-DD.

Report the measurement of the risk of future financial loss in the value of the trading desk’s aggregated positions at the 99% confidence level over a 1-day holding period, based on current market conditions. Banking entities may calibrate to a 1-day holding period using appropriate scaling of a VaR measure made for a different holding period.

Report the measurement of the risk of future financial loss in the value of the trading desk’s aggregated positions at the 99% confidence level over a 1-day holding period, based on market conditions during a period of significant stress, consistent with the stress period used in the Market Risk Rule. Banking entities may calibrate to a 1-day holding period using appropriate scaling of a Stressed VaR measure made for a different holding period.

A banking entity is required to report the Comprehensive Profit and Loss Attribution quantitative measurement for all trading desks engaged in covered trading activities. Comprehensive Profit and Loss Attribution is an analysis that attributes the daily fluctuation in the value of a trading desk’s positions to various sources.
Report the risk factors and other factors that comprise Part 4.A, Item 85, Profit and Loss Due to Change in Risk Factors and Other Factors. Banking entities must include enough risk factors to explain the preponderance of the profit or loss changes due to risk factor changes.

Provide the calendar date of the month. Use the format YYYY-MM-DD.

Report the trading desk’s comprehensive profit and loss, which is determined by adding profit and loss on new and existing positions, as well as residual profit and loss that cannot be specifically attributed to existing or new positions. "New positions" are positions resulting from the current day’s trading activity.

Report the profit and loss attributable to a trading desk’s existing positions. The comprehensive profit and loss associated with existing positions must reflect changes in the value of these positions on the applicable day.

Report the profit and loss attributable to new positions. The comprehensive profit and loss attributed to new positions must reflect commissions and fee income or expenses and market gains or losses associated with transactions executed on the applicable day. New positions include purchases and sales of financial instruments and other assets/liabilities and negotiated amendments to existing positions. The comprehensive profit and loss from new positions may be reported in the aggregate and does not need to be further attributed to specific sources. The new position attribution is computed by calculating the difference between the value of the instruments when bought and/or sold and the value at which those instruments are marked to market at the close of business on that day. Any fees, commissions, or other payments received (paid) that are associated with transactions executed on that day are added (subtracted) from such difference. These factors should be measured consistently over time to facilitate historical comparisons.
cannot be specifically attributed to existing or new positions. Residual profit and loss is the unexplained profit and loss.  

Report the portion of comprehensive profit and loss that cannot be specifically attributed to existing or new positions. Residual profit and loss is the unexplained profit and loss.

Report the profit and loss due to changes in the specific risk factors and other factors that are monitored and managed as part of the trading desk’s overall risk management policies and procedures.

Report the profit and loss due to actual cash flows, if not included elsewhere.

Report the profit and loss due to changes in carry.
<xs:annotation><xs:documentation>Report the profit and loss due to changes in reserves or valuation adjustments.</xs:documentation></xs:annotation>

<xs:attribute name="valuationMdrm" default="VVQMY405">
<xs:annotation><xs:documentation>Unique metadata tag.</xs:documentation></xs:annotation>
<xs:simpleType>
<xs:restriction base="string8_type">
<xs:enumeration value="VVQMY405"/>
</xs:restriction>
</xs:simpleType>
</xs:attribute>

<xs:attribute name="tradeChanges" type="integer24_type" use="required">
<xs:annotation><xs:documentation>Report the profit and loss due to changes emanating from the correction, cancellation, or exercise of a trade. Material amendments to the economic terms of existing financial instrument contracts (other than corrections, cancellations or exercises) are considered new trades.</xs:documentation></xs:annotation>
</xs:attribute>

<xs:attribute name="tradeChangesMdrm" default="VVQMY406">
<xs:annotation><xs:documentation>Unique metadata tag.</xs:documentation></xs:annotation>
<xs:simpleType>
<xs:restriction base="string8_type">
<xs:enumeration value="VVQMY406"/>
</xs:restriction>
</xs:simpleType>
</xs:attribute>

<xs:attribute name="other" type="integer24_type" use="required">
<xs:annotation><xs:documentation>Report all other attributable elements to profit and loss on existing positions that are not included elsewhere.</xs:documentation></xs:annotation>
</xs:attribute>

<xs:attribute name="otherMdrm" default="VVQMY407">
<xs:annotation><xs:documentation>Unique metadata tag.</xs:documentation></xs:annotation>
<xs:simpleType>
<xs:restriction base="string8_type">
<xs:enumeration value="VVQMY407"/>
</xs:restriction>
</xs:simpleType>
</xs:attribute>

<xsl:element name="positions" minOccurs="0" maxOccurs="31">
<xs:annotation>
<xsl:documentation>A banking entity is required to report the Positions quantitative measurement for trading desks that rely on § 4(a) or § 4(b) to conduct underwriting activity or market making-related activity, respectively.</xs:documentation>
</xs:annotation>
<xs:complexType>
<xsl:element name="date" type="xs:date" use="required">
<xs:annotation>
<xsl:documentation>Provide the calendar date of the month. Use the format YYYY-MM-DD.</xsl:documentation>
</xs:annotation>
</xs:element>
</xs:complexType>
</xs:element>
transactions conducted by the trading desk with: (i) customers, excluding internal transactions; (ii) non-customers, excluding internal transactions; (iii) trading desks and other organizational units where the transaction is booked in the same banking entity; and (iv) trading desks and other organizational units where the transaction is booked into an affiliated banking entity. 

YYYY-MM-DD.

Gross market value of all securities transactions conducted with customers.

Number of all securities transactions conducted with customers.

Gross notional value of all derivatives transactions conducted with customers.
Number of all derivatives transactions conducted with customers.

Unique metadata tag.

Gross market value of all securities transactions conducted with non-customers.

Unique metadata tag.

Number of all securities transactions conducted with non-customers.

Unique metadata tag.

Gross notional value of all derivatives transactions conducted with non-customers.
<xs:attribute name="grossNonCustomerDerivativesVolume" type="integer24_type" use="required">
  <xs:annotation>
    <xs:documentation>Number of all derivatives transactions conducted with non-customers.</xs:documentation>
  </xs:annotation>
</xs:attribute>

<xs:attribute name="nonCustomerDerivativesVolumeMdrm" default="VVQMW908">
  <xs:annotation>
    <xs:documentation>Unique metadata tag.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="string8_type">
      <xs:enumeration value="VVQMW908"/>
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>

<xs:attribute name="grossInterDeskSecuritiesMarketValue" type="nonNegInteger24_type" use="required">
  <xs:annotation>
    <xs:documentation>Gross market value of all securities transactions where the transaction is booked in the same banking entity.</xs:documentation>
  </xs:annotation>
</xs:attribute>

<xs:attribute name="interDeskSecuritiesMarketValueMdrm" default="VVQMY906">
  <xs:annotation>
    <xs:documentation>Unique metadata tag.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="string8_type">
      <xs:enumeration value="VVQMY906"/>
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>

<xs:attribute name="grossInterDeskSecuritiesVolume" type="integer24_type" use="required">
  <xs:annotation>
    <xs:documentation>Number of all securities transactions where the transaction is booked in the same banking entity.</xs:documentation>
  </xs:annotation>
</xs:attribute>

<xs:attribute name="interDeskSecuritiesVolumeMdrm" default="VVQMY907">
  <xs:annotation>
    <xs:documentation>Unique metadata tag.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="string8_type">
      <xs:enumeration value="VVQMY907"/>
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>

<xs:attribute name="grossInterDeskDerivativesNotionalValue" type="nonNegInteger24_type" use="required">
  <xs:annotation>
    <xs:documentation>Gross notional value of all derivatives transactions where the transaction is booked in the same banking entity.</xs:documentation>
  </xs:annotation>
</xs:attribute>

<xs:attribute name="interDeskDerivativesNotionalValueMdrm" default="VVQMY908">
  <xs:annotation>
    <xs:documentation>Unique metadata tag.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="string8_type">
      <xs:enumeration value="VVQMY908"/>
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>

<xs:attribute name="grossInterDeskDerivativesVolume" type="integer24_type" use="required">
  <xs:annotation>
    <xs:documentation>Number of all derivatives transactions where the transaction is booked in the same banking entity.</xs:documentation>
  </xs:annotation>
</xs:attribute>

<xs:attribute name="interDeskDerivativesVolumeMdrm" default="VVQMY909">
  <xs:annotation>
    <xs:documentation>Unique metadata tag.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="string8_type">
      <xs:enumeration value="VVQMY909"/>
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>
Unique metadata tag.

Gross market value of all securities transactions where the transaction is booked in an affiliated banking entity.

Number of all securities transactions where the transaction is booked in an affiliated banking entity.

Gross notional value of all derivatives transactions where the transaction is booked in an affiliated banking entity.

Number of all derivatives transactions where the transaction is booked in an affiliated banking entity.
<xs:attribute name="date" type="xs:date" use="required">
    <xs:annotation>
        <xs:documentation>Provide the calendar date of the month. Use the format YYYY-MM-DD.</xs:documentation>
    </xs:annotation>
</xs:attribute>

<xs:attribute name="value30" type="nonNegInteger24_type" use="required">
    <xs:annotation>
        <xs:documentation>The market value of security assets held 0 through 30 calendar days.</xs:documentation>
    </xs:annotation>
</xs:attribute>

<xs:attribute name="value30Mdrm" default="VVQMY426">
    <xs:annotation>
        <xs:documentation>Unique metadata tag.</xs:documentation>
    </xs:annotation>
</xs:attribute>

<xs:attribute name="value60" type="nonNegInteger24_type" use="required">
    <xs:annotation>
        <xs:documentation>The market value of security assets held 31 through 60 calendar days.</xs:documentation>
    </xs:annotation>
</xs:attribute>

<xs:attribute name="value60Mdrm" default="VVQMY427">
    <xs:annotation>
        <xs:documentation>Unique metadata tag.</xs:documentation>
    </xs:annotation>
</xs:attribute>

<xs:attribute name="value90" type="nonNegInteger24_type" use="required">
    <xs:annotation>
        <xs:documentation>The market value of security assets held 61 through 90 calendar days.</xs:documentation>
    </xs:annotation>
</xs:attribute>

<xs:attribute name="value90Mdrm" default="VVQMY428">
    <xs:annotation>
        <xs:documentation>Unique metadata tag.</xs:documentation>
    </xs:annotation>
</xs:attribute>
calendar days.</p>

<xs:element name="securityLiabilityAging" minOccurs="0" maxOccurs="31">
  <xs:complexType>
    <xs:attribute name="date" type="xs:date" use="required">
      <xs:annotation>
        <xs:documentation>Provide the calendar date of the month. Use the format YYYY-MM-DD.</xs:documentation>
      </xs:annotation>
    </xs:attribute>
    <xs:attribute name="dateMdrm" default="VVQMY431">
      <xs:annotation>
        <xs:documentation>Unique metadata tag.</xs:documentation>
      </xs:annotation>
    </xs:attribute>
  </xs:complexType>
</xs:element>

A banking entity is required to report the Securities Inventory Aging quantitative measurement for trading desks that rely on § __.4(a) or § __.4(b) to conduct underwriting activity or market making-related activity, respectively. This element containing the security liability aging profile for a trading desk.

Provide the calendar date of the month. Use the format YYYY-MM-DD.
calendar days.</xs:documentation>

</xs:annotation>
</xs:attribute>

<xs:attribute name="value90Mdrm" default="VVQMY435">
<xs:annotation>
<xs:documentation>Unique metadata tag.</xs:documentation>
</xs:annotation>
</xs:simpleType>
</xs:attribute>

<xs:attribute name="value180" type="nonNegInteger24_type" use="required">
<xs:annotation>
<xs:documentation>The market value of security liabilities held 91 through 180 calendar days.</xs:documentation>
</xs:annotation>
</xs:attribute>

<xs:attribute name="value180Mdrm" default="VVQMY436">
<xs:annotation>
<xs:documentation>Unique metadata tag.</xs:documentation>
</xs:annotation>
</xs:simpleType>
</xs:attribute>

<xs:attribute name="value360" type="nonNegInteger24_type" use="required">
<xs:annotation>
<xs:documentation>The market value of security liabilities held 181 through 360 calendar days.</xs:documentation>
</xs:annotation>
</xs:attribute>

<xs:attribute name="value360Mdrm" default="VVQMY437">
<xs:attribute name="valueGT360" type="nonNegInteger24_type" use="required">
  <xs:documentation>The market value of security liabilities held more than 360 calendar days.</xs:documentation>
</xs:attribute>
<xs:attribute name="valueGT360Mdrm" default="VVQMY438">
  <xs:documentation>Unique metadata tag.</xs:documentation>
</xs:attribute>

<xs:complexType name="typeCalendarDay">
  <xs:attributeGroup ref="grpDayOfMonth"/>
  <xs:attribute name="currencyConversionRate" type="decimal24_8_type" use="required">
    <xs:annotation>
      <xs:documentation>Specify the conversion rate for the specified currency to U.S. dollars for each trading day. If values for a trading desk are reported in a currency other than U.S. dollars, specify the multiplier conversion rate (not divisor) for the specified currency to U.S. dollars for the trading desk. For U.S. dollars, report 1.</xs:documentation>
    </xs:annotation>
  </xs:attribute>
  <xs:attribute name="currencyConversionRateMdrm" default="VVQMY386">
    <xs:annotation>
      <xs:documentation>Unique metadata tag.</xs:documentation>
    </xs:annotation>
  </xs:attribute>
</xs:complexType>

<xs:element name="volckerMetricsReport" type="typeVolckerMetricsReport">
  <xs:documentation>Quantitative metrics as identified under the Volcker Rule</xs:documentation>
</xs:element>
Annex D: File Compression and Transmission Protocols

Placeholder for each Agency’s:

- narrative statement file upload instructions
- XML file upload instructions