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## **Repurchase-to-Maturity Transactions and Repurchase Financings**

(Taxonomy Version 2017<sup>†</sup>)

### **FASB U.S. GAAP Financial Reporting Taxonomy (Taxonomy) Implementation Guide Series**

<sup>†</sup> Changes from the 2016 version of this Implementation Guide are included in Appendix A to this Guide.

The Taxonomy Implementation Guide is not authoritative; rather, it is a document that communicates how the U.S. GAAP Financial Reporting Taxonomy (Taxonomy) is designed. It also provides other information to help a user of the Taxonomy understand how elements and relationships are structured.

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# **Taxonomy Implementation Guide on Modeling Repurchase-to-Maturity Transactions and Repurchase Financings**

## **Overview**

The purpose of this Taxonomy Implementation Guide is to demonstrate the modeling for disclosures related to repurchase-to-maturity transactions and repurchase financings. These examples are not intended to encompass all of the potential modeling configurations or to dictate the appearance and structure of an entity's extension taxonomy. The examples are provided to help users of the Taxonomy understand how the modeling for disclosures of repurchase-to-maturity transactions and repurchase financings is structured within the Taxonomy. The examples are based on the assumption that an entity meets the criteria for reporting repurchase-to-maturity transactions and repurchase financings under U.S. GAAP and/or SEC authoritative literature. In addition, the reported line items within the examples are not all inclusive and represent only partial statements for illustration purposes.

*While constituents may find the information in this guide useful, users looking for guidance to conform to SEC XBRL filing requirements should look to the SEC EDGAR Filer Manual and other information provided on the SEC's website at [xbrl.sec.gov](http://xbrl.sec.gov).*

This guide focuses on detail tagging only (Level 4); it does not include any elements for text blocks, policy text blocks, and table text blocks (Levels 1 through 3).

The Taxonomy Implementation Guide provides four examples:

- Example 1—[Disclosure of Certain Transfers of Financial Assets Accounted for as Sales with Agreements That Result in the Transferor Retaining Substantially All of the Exposure to the Economic Return on the Transferred Financial Asset](#)
- Example 2—[Disclosures for Repurchase Agreements, Securities Lending Transactions, and Repurchase-to-Maturity Transactions Accounted for as Secured Borrowings](#)
- Example 3—[Disclosures for Repurchase Agreements, Securities Lending Transactions, and Repurchase-to-Maturity Transactions Accounted for as Secured Borrowings, Alternative](#)
- Example 4—[Disclosures for Repurchase Agreements Accounted for as Secured Borrowings](#)

## **Modeling Repurchase-to-Maturity and Repurchase Financings**

To provide a cross-reference between *Derivative and Hedging* disclosures and *Transfer and Servicing* disclosures for transactions accounted for as sales when there are derivatives arising from such transactions, the intent of the model is that the same elements, such as “Derivative Liability, Fair Value, Gross Liability” and “Derivative Asset, Fair Value, Gross Asset”, are to be used for both disclosures.

An additional element, “Securities Loaned and Securities Sold under Agreement to Repurchase, Gross Including Not Subject to Master Netting Arrangement”, was created for *Balance Sheet Offsetting* disclosures to provide an aggregation point for “Securities Sold under Agreements to Repurchase, Gross Including Not Subject to Master Netting Arrangement” and “Securities Loaned, Gross Including Not Subject to Master Netting Arrangement”. The element was added so that a combined total can be presented for the disclosure in this implementation guide. It is modeled as `monetaryItemType`, credit and instant.

The element that represents the reconciling difference between the amount of gross obligations disclosed for repurchase agreements, securities lending transactions, and repurchase-to-maturity transactions that are accounted for as secured borrowings and the amount disclosed in *Balance Sheet Offsetting* disclosures is “Secured Borrowings, Gross, Difference, Amount”. That element is modeled as `monetaryItemType`, credit, instant, and positive values indicate that transactions accounted for as secured borrowings are greater than the secured borrowings reported under *Balance Sheet Offsetting* disclosures. Negative values indicate that the secured borrowings reported under *Balance Sheet Offsetting* disclosures are greater than transactions accounted for as secured borrowings. It is effectively treated as a component of the balance for “Secured Borrowings, Gross Including Not Subject to Master Netting Arrangement”.

The Taxonomy provides two separate summations (calculations) that are structured as follows:

<b>Secured Borrowings, Gross Including Not Subject to Master Netting Agreement</b>	
Calculation	
<b>104050</b>	<b>Statement-Statement of Financial Position, Classified</b>
	Secured Borrowings, Gross Including Not Subject to Master Netting Arrangement
	→ Securities Loaned and Securities Sold under Agreement to Repurchase, Gross Including Not Subject to Master Netting Arrangement
	→ Secured Borrowings, Gross, Difference, Amount
<b>865000</b>	<b>Disclosure-Transfers and Servicing</b>
	Secured Borrowings, Gross Including Not Subject to Master Netting Arrangement
	→ Financial Assets Sold under Agreements to Repurchase, Gross Including Not Subject to Master Netting Arrangement
	→ Securities Loaned, Including Not Subject to Master Netting Arrangement and Assets other than Securities Transferred

Both “Securities Loaned and Securities Sold under Agreement to Repurchase, Gross Including Not Subject to Master Netting Arrangement” and “Secured Borrowings, Gross Including Not Subject to Master Netting Arrangement” are modeled with credit balance attributes because the elements represent obligations. In the XBRL calculation linkbase, a credit cannot be subtracted from another credit—the two can only be summed together. The presentations of Examples 2 and 3 exhibit one continuous calculation, but based on the calculation structure two calculations are needed as shown above. Please refer to the *Notes* section of Example 2 for further explanation.

## General Information

- (1) A legend for dimensions and domain members has been provided to associate with facts contained in the notes to the financial statements. Extension elements are coded using “Ex.” Legends specific to the examples are provided in Figure x.2 of each example.

Coding	Standard Label	Element Name
<b>A1</b>	<b>Short-term Debt, Type [Axis]</b> Short-term Debt, Type [Domain]	<b>ShortTermDebtTypeAxis</b> ShortTermDebtTypeDomain
<b>M1</b>	Financial Assets Sold under Agreement to Repurchase [Member]	FinancialAssetsSoldUnderAgreementToRepurchaseMember
<b>M2</b>	Securities Loaned [Member]	SecuritiesLoanedMember
<b>M3</b>	Sale and Total Return Swap [Member]	SaleAndTotalReturnSwapMember
<b>A2</b>	<b>Derivative Instrument [Axis]</b> Derivative Contract [Domain]	<b>DerivativeInstrumentRiskAxis</b> DerivativeContractTypeDomain
<b>M4</b>	Interest Rate Contract [Member]	InterestRateContractMember
<b>M5</b>	Credit Risk Contract [Member]	CreditRiskContractMember
<b>A3</b>	<b>Financial Instrument [Axis]</b> Financial Instruments [Domain]	<b>FinancialInstrumentAxis</b> TransfersAndServicingOfFinancialInstrumentsTypesOfFinancialInstrumentsDomain
<b>M6</b>	US Treasury and Government [Member]	USTreasuryAndGovernmentMember
<b>M7</b>	US States and Political Subdivisions Debt Securities [Member]	USStatesAndPoliticalSubdivisionsMember
<b>M8</b>	Asset-backed Securities [Member]	AssetBackedSecuritiesMember
<b>M9</b>	Corporate Debt Securities [Member]	CorporateDebtSecuritiesMember
<b>M10</b>	Equity Securities [Member]	EquitySecuritiesMember
<b>M11</b>	Foreign Government Debt Securities [Member]	ForeignGovernmentDebtSecuritiesMember
<b>M12</b>	Loans [Member]	LoansMember
<b>M13</b>	Other Debt Obligations [Member]	OtherDebtSecuritiesMember
<b>A4</b>	<b>Repurchase Agreements and Similar Transactions, Maturity Periods [Axis]</b> Repurchase Agreements and Similar Transactions, Maturity Periods [Domain]	<b>AssetsSoldUnderAgreementsToRepurchaseMaturityPeriodsAxis</b> AssetsSoldUnderAgreementsToRepurchaseMaturityPeriodDomain
<b>M14</b>	Maturity Overnight and on Demand [Member]	MaturityOvernightAndOnDemandMember
<b>M15</b>	Maturity Less than 30 Days [Member]	MaturityUpTo30DaysMember
<b>M16</b>	Maturity 30 to 90 Days [Member]	Maturity30To90DaysMember
<b>M17</b>	Maturity Greater than 90 Days [Member]	MaturityOver90DaysMember

- (2) Elements that have an instant period type and elements that have a duration period type are indicated as such in Figure x.2 of each example. Instant elements have a single date context (such as December 31, 20X1) while duration elements have a starting and ending date as their context (such as January 1 to December 31, 20X1).
- (3) Instance documents (Figure x.3 in each example) do not include all information that may

appear in an entity's instance document. The instance documents provided are for illustrative purposes only.

- (4) For elements contained in the Taxonomy, the standard label is as it appears in the Taxonomy. For extension elements, the standard label corresponds to the element name. For information about structuring extension elements, refer to the *EDGAR Filer Manual*.
- (5) Values reported in XBRL are generally entered as positive, with the exception of certain concepts such as net income (loss) or gain (loss).

**Example 1—Disclosure of Certain Transfers of Financial Assets Accounted for as Sales with Agreements That Result in the Transferor Retaining Substantially All of the Exposure to the Economic Return on the Transferred Financial Asset**

Example 1 illustrates the modeling for disclosures reporting transactions accounted for as a sale that comprise the transfer of financial assets to a transferee and an agreement entered into in contemplation of the initial transfer with the transferee that results in the transferor retaining substantially all of the exposure to the economic return on the transferred financial asset throughout the term of the transaction.

<b>Transfers of Financial Assets Accounted for as Sales</b>					
(Dollars in millions)					
<b>Type of Transaction</b>	<b>At the Date of Derecognition for Transactions Outstanding</b>		<b>As of December 31, 2017</b>		
	<b>Carrying Amount Derecognized</b>	<b>Gross Cash Proceeds Received for Assets Derecognized</b>	<b>Fair Value of Transferred Assets</b>	<b>Gross Derivative Assets Recorded(a)(b)</b>	<b>Gross Derivative Liabilities Recorded(a)(b)</b>
<b>A1:M1</b> Repurchase agreements	\$ 510	\$ 500	\$ 515	\$ 6	\$ (2)
<b>A1:M2</b> Securities lending	L1 257	L2 254	L3 258	L4 3	L5 (1)
<b>A1:M3</b> Sale and a total return swap	49	45	47	2	(3)
Total	<u>\$ 816</u>	<u>\$ 799</u>	<u>\$ 820</u>	<u>\$ 11</u>	<u>\$ (6)</u>

**Figure 1.1**

(a) Balances are presented on a gross basis, before the application of counterparty of counterparty and cash collateral offsetting.

(b) \$9 million<sup>[1]</sup> of gross derivative assets and \$3 million<sup>[2]</sup> of gross derivative liabilities are included as interest rate contracts in footnote X on derivative disclosures. \$2 million<sup>[3]</sup> of gross derivative assets and \$3 million<sup>[4]</sup> of gross derivative liabilities are included as credit risk contracts in footnote X on derivative disclosures.

Legend: This legend is provided to illustrate the elements associated with values or to provide context. This information is not part of disclosure.

[1] L4, A2:M4

[2] L5, A2:M4

[3] L4, A2:M5

[4] L5, A2:M5



The legend for the elements used to tag these facts is:

	<u>Standard Label</u>	<u>Balance Type</u>	<u>Period Type</u>	<u>Element Name</u>
<b>A1</b>	Short-term Debt, Type [Axis]			ShortTermDebtTypeAxis
	Short-term Debt, Type [Domain]			ShortTermDebtTypeDomain
<b>M1</b>	Financial Assets Sold under Agreement to Repurchase [Member]			FinancialAssetsSoldUnderAgreementToRepurchaseMember
<b>M2</b>	Securities Loaned [Member]			SecuritiesLoanedMember
<b>M3</b>	Sale and Total Return Swap [Member]			SaleAndTotalReturnSwapMember
<b>A2</b>	Derivative Instrument [Axis]			DerivativeInstrumentRiskAxis
	Derivative Contract [Domain]			DerivativeContractTypeDomain
<b>M4</b>	Interest Rate Contract [Member]			InterestRateContractMember
<b>M5</b>	Credit Risk Contract [Member]			CreditRiskContractMember
<b>L1</b>	Transfer of Financial Assets Accounted for as Sales, Amount Derecognized	Credit	Instant	TransferOfFinancialAssetsAccountedForAsSalesAmountDerecognized
<b>L2</b>	Transfer of Financial Assets Accounted for as Sales, Cash Proceeds Received for Assets Derecognized, Amount	Debit	Instant	TransferOfFinancialAssetsAccountedForAsSalesCashProceedsReceivedForAssetsDerecognizedAmount
<b>L3</b>	Transfer of Financial Assets Accounted for as Sales, Fair Value of Derecognized Assets	Credit	Instant	TransferOfFinancialAssetsAccountedForAsSalesFairValueOfDerecognizedAssets
<b>L4</b>	Derivative Asset, Fair Value, Gross Asset	Debit	Instant	DerivativeFairValueOfDerivativeAsset
<b>L5</b>	Derivative Liability, Fair Value, Gross Liability	Credit	Instant	DerivativeFairValueOfDerivativeLiability

**Figure 1.2**

The instance document created using the modeling structure is provided here:

Standard Label		Preferred Label**						
Short-term Debt, Type [Axis]		Financial Assets Sold under Agreement to Repurchase [Member]	Securities Loaned [Member]	Sale and Total Return Swap [Member]			Report-wide Value	
A1		M1	M2	M3				
Derivative Instrument [Axis]					Interest Rate Contract [Member]	Credit Risk Contract [Member]		
A2					M4	M5		
L1	Transfer of Financial Assets Accounted for as Sales, Amount Derecognized	Carrying Amount Derecognized	510000000	257000000	49000000			816000000
L2	Transfer of Financial Assets Accounted for as Sales, Cash Proceeds Received for Assets Derecognized, Amount	Gross Cash Proceeds Received for Assets Derecognized	500000000	254000000	45000000			799000000
L3	Transfer of Financial Assets Accounted for as Sales, Fair Value of Derecognized Assets	Fair Value of Transferred Assets	515000000	258000000	47000000			820000000
L4	Derivative Asset, Fair Value, Gross Asset	Gross Derivative Assets Recorded	6000000	3000000	2000000	9000000	2000000	11000000
L5	Derivative Liability, Fair Value, Gross Liability	Gross Derivative Liabilities Recorded	2000000	1000000	3000000	3000000	3000000	6000000

Figure 1.3

Notes:

- In order to create a disclosure cross-reference, it is intended that the elements used for other derivative disclosures also would be used for this disclosure.
  - The values disclosed for the derivative balances are for illustrative purposes only and may not represent activity that would typically be disclosed.
- \*\* Preferred Labels are the labels created and used by the company to show the line item captions in its financial statements.

## Example 2—Disclosures for Repurchase Agreements, Securities Lending Transactions, and Repurchase-to-Maturity Transactions Accounted for as Secured Borrowings

Example 2 illustrates the modeling for the disclosure of short-term collateralized financing obtained through repurchase agreements, securities lending transactions, and repurchase-to-maturity transactions that are accounted for as secured borrowings.

Repurchase Agreements, Securities Lending Transactions, and Repurchase-to-maturity Transactions Accounted for as Secured Borrowings (Dollars in millions)						
December 31, 2017						
Remaining Contractual Maturity of the Agreements						
	A4:M14	A4:M15	A4:M16	A4:M17		
	Overnight and Continuous	Up to 30 days	30–90 days	Greater Than 90 days	Total	
<b>Repurchase agreements and repurchase-to-maturity transactions accounted for as secured borrowings</b>						
<b>L6, A3:M6</b>	U.S. Treasury and agency securities	\$ 153	\$ 215	\$ 85	\$ 15	\$ 468
<b>L6, A3:M7</b>	State and municipal securities	73	97	80	13	263
<b>L6, A3:M8</b>	Asset-backed securities	18	36	61	10	125
<b>L6, A3:M9</b>	Corporate bonds	98	87	31	5	221
<b>L6, A3:M10</b>	Equity securities	10	—	6	—	16
<b>L6, A3:M11</b>	Non-U.S. sovereign debt	14	13	33	7	67
<b>L6, A3:M12</b>	Loans	2	4	13	4	23
<b>L6, A3:M13</b>	Other debt instruments	—	2	4	1	7
<b>L6</b>	<b>Total</b>	<b>\$ 368</b>	<b>\$ 454</b>	<b>\$ 313</b>	<b>\$ 55</b>	<b>\$ 1,190</b>
<b>Securities lending transactions</b>						
<b>L7, A3:M6</b>	U.S. Treasury and agency securities	\$ 5	\$ —	\$ 4	\$ 2	\$ 11
<b>L7, A3:M7</b>	State and municipal securities	10	12	3	1	26
<b>L7, A3:M9</b>	Corporate bonds	2	4	2	—	8
<b>L7, A3:M10</b>	Equity securities	60	20	13	11	104
<b>L7, A3:M11</b>	Non-U.S. sovereign debt	3	1	—	—	4
<b>L7, A3:M12</b>	Loans	1	—	—	—	1
<b>L7, A3:M13</b>	Other debt instruments	1	—	—	1	2
<b>L7</b>	<b>Total</b>	<b>\$ 82</b>	<b>\$ 37</b>	<b>\$ 22</b>	<b>\$ 15</b>	<b>\$ 156</b>
<b>L8</b>	<b>Total borrowings</b>	<b>\$ 450</b>	<b>\$ 491</b>	<b>\$ 335</b>	<b>\$ 70</b>	<b>\$ 1,346</b>
<b>L9</b>	<b>Gross amount of recognized liabilities for repurchase agreements and securities lending in footnote X</b>					<b>\$ 1,315</b>
<b>L10</b>	<b>Amounts related to agreements not included in offsetting disclosure in footnote X</b>					<b>\$ 31</b>

Figure 2.1

The legend for the elements used to tag these facts is:

	<b>Standard Label</b>	<b>Balance Type</b>	<b>Period Type</b>	<b>Element Name</b>
<b>A3</b>	Financial Instrument [Axis]			FinancialInstrumentAxis
	Financial Instruments [Domain]			TransfersAndServicingOfFinancialInstrumentsTypesOfFinancialInstrumentsDomain
<b>M6</b>	US Treasury and Government [Member]			USTreasuryAndGovernmentMember
<b>M7</b>	US States and Political Subdivisions Debt Securities [Member]			USStatesAndPoliticalSubdivisionsMember
<b>M8</b>	Asset-backed Securities [Member]			AssetBackedSecuritiesMember
<b>M9</b>	Corporate Debt Securities [Member]			CorporateDebtSecuritiesMember
<b>M10</b>	Equity Securities [Member]			EquitySecuritiesMember
<b>M11</b>	Foreign Government Debt Securities [Member]			ForeignGovernmentDebtSecuritiesMember
<b>M12</b>	Loans [Member]			LoansMember
<b>M13</b>	Other Debt Obligations [Member]			OtherDebtSecuritiesMember
<b>A4</b>	Repurchase Agreements and Similar Transactions, Maturity Periods [Axis]			AssetsSoldUnderAgreementsToRepurchaseMaturityPeriodsAxis
	Repurchase Agreements and Similar Transactions, Maturity Periods [Domain]			AssetsSoldUnderAgreementsToRepurchaseMaturityPeriodDomain
<b>M14</b>	Maturity Overnight and on Demand [Member]			MaturityOvernightAndOnDemandMember
<b>M15</b>	Maturity Less than 30 Days [Member]			MaturityUpTo30DaysMember
<b>M16</b>	Maturity 30 to 90 Days [Member]			Maturity30To90DaysMember
<b>M17</b>	Maturity Greater than 90 Days [Member]			MaturityOver90DaysMember
<b>L6</b>	Financial Assets Sold under Agreements to Repurchase, Gross Including Not Subject to Master Netting Arrangement	Credit	Instant	FinancialAssetsSoldUnderAgreementsToRepurchaseGrossIncludingNotSubjectToMasterNettingArrangement
<b>L7</b>	Securities Loaned, Including Not Subject to Master Netting Arrangement and Assets other than Securities Transferred	Credit	Instant	SecuritiesLoanedIncludingNotSubjectToMasterNettingArrangementAndAssetsOtherThanSecuritiesTransferred
<b>L8</b>	Secured Borrowings, Gross Including Not Subject to Master Netting Arrangement	Credit	Instant	SecuredBorrowingsGrossIncludingNotSubjectToMasterNettingArrangement
<b>L9</b>	Securities Loaned and Securities Sold under Agreement to Repurchase, Gross Including Not Subject to Master Netting Arrangement	Credit	Instant	SecuritiesLoanedAndSecuritiesSoldUnderAgreementToRepurchaseGrossIncludingNotSubjectToMasterNettingArrangement
<b>L10</b>	Secured Borrowings, Gross, Difference, Amount	Credit	Instant	SecuredBorrowingsGrossDifferenceAmount

**Figure 2.2**

The instance document created using the modeling structure is provided here:

			L6	L7	L8	L9	L10
Standard Label	Financial Instrument [Axis]	Repurchase Agreements and Similar Transactions, Maturity Periods [Axis]	Financial Assets Sold under Agreements to Repurchase, Gross Including Not Subject to Master Netting Arrangement	Securities Loaned, Including Not Subject to Master Netting Arrangement and Assets other than Securities Transferred	Secured Borrowings, Gross Including Not Subject to Master Netting Arrangement	Securities Loaned and Securities Sold under Agreement to Repurchase, Gross Including Not Subject to Master Netting Arrangement	Secured Borrowings, Gross, Difference, Amount
Preferred Label**	A3	A4	Repurchase agreements and repurchase-to-maturity transactions accounted for as secured borrowings	Securities lending transactions	Total borrowings	Gross amount of recognized liabilities for repurchase agreements and securities lending in footnote X	Amounts related to agreements not included in offsetting disclosure in footnote X
US Treasury and Government [Member]	M6	Maturity Overnight and on Demand [Member]	M14	153000000	5000000		
		Maturity Less than 30 Days [Member]	M15	215000000	0		
		Maturity 30 to 90 Days [Member]	M16	85000000	4000000		
		Maturity Greater than 90 Days [Member]	M17	15000000	2000000		
				468000000	11000000		
US States and Political Subdivisions Debt Securities [Member]	M7	Maturity Overnight and on Demand [Member]	M14	73000000	10000000		
		Maturity Less than 30 Days [Member]	M15	97000000	12000000		
		Maturity 30 to 90 Days [Member]	M16	80000000	3000000		
		Maturity Greater than 90 Days [Member]	M17	13000000	1000000		
				263000000	26000000		
Asset-backed Securities [Member]	M8	Maturity Overnight and on Demand [Member]	M14	18000000			
		Maturity Less than 30 Days [Member]	M15	36000000			
		Maturity 30 to 90 Days [Member]	M16	61000000			
		Maturity Greater than 90 Days [Member]	M17	10000000			
				125000000			
Corporate Debt Securities [Member]	M9	Maturity Overnight and on Demand [Member]	M14	98000000	2000000		
		Maturity Less than 30 Days [Member]	M15	87000000	4000000		
		Maturity 30 to 90 Days [Member]	M16	31000000	2000000		
		Maturity Greater than 90 Days [Member]	M17	5000000	0		
				221000000	8000000		
Equity Securities [Member]	M10	Maturity Overnight and on Demand [Member]	M14	10000000	60000000		
		Maturity Less than 30 Days [Member]	M15	0	20000000		
		Maturity 30 to 90 Days [Member]	M16	6000000	13000000		
		Maturity Greater than 90 Days [Member]	M17	0	11000000		
				16000000	104000000		
Foreign Government Debt Securities [Member]	M11	Maturity Overnight and on Demand [Member]	M14	14000000	3000000		
		Maturity Less than 30 Days [Member]	M15	13000000	1000000		
		Maturity 30 to 90 Days [Member]	M16	33000000	0		
		Maturity Greater than 90 Days [Member]	M17	7000000	0		
				67000000	4000000		
Loans [Member]	M12	Maturity Overnight and on Demand [Member]	M14	2000000	1000000		
		Maturity Less than 30 Days [Member]	M15	4000000	0		
		Maturity 30 to 90 Days [Member]	M16	13000000	0		
		Maturity Greater than 90 Days [Member]	M17	4000000	0		
				23000000	1000000		

Figure 2.3(continues)

		L6	L7	L8	L9	L10	
Standard Label	Financial Instrument [Axis] A3	Repurchase Agreements and Similar Transactions, Maturity Periods [Axis] A4	Financial Assets Sold under Agreements to Repurchase, Gross Including Not Subject to Master Netting Arrangement	Securities Loaned, Including Not Subject to Master Netting Arrangement and Assets other than Securities Transferred	Secured Borrowings, Gross Including Not Subject to Master Netting Arrangement	Securities Loaned and Securities Sold under Agreement to Repurchase, Gross Including Not Subject to Master Netting Arrangement	Secured Borrowings, Gross, Difference, Amount
Preferred Label**			Repurchase agreements and repurchase-to-maturity transactions accounted for as secured borrowings	Securities lending transactions	Total borrowings	Gross amount of recognized liabilities for repurchase agreements and securities lending in footnote X	Amounts related to agreements not included in offsetting disclosure in footnote X
		Maturity Overnight and on Demand [Member] M1	0	1000000			
		Maturity Less than 30 Days [Member] M1	2000000	0			
		Maturity 30 to 90 Days [Member] M1	4000000	0			
		Maturity Greater than 90 Days [Member] M1	1000000	1000000			
			7000000	2000000			
		Maturity Overnight and on Demand [Member] M1	368000000	82000000	450000000		
		Maturity Less than 30 Days [Member] M1	454000000	37000000	491000000		
		Maturity 30 to 90 Days [Member] M1	313000000	22000000	335000000		
		Maturity Greater than 90 Days [Member] M1	55000000	15000000	70000000		
		Report-wide Value	1190000000	156000000	1346000000	1315000000	31000000

Figure 2.3(continued)

Notes:

- As described in the *Modeling Repurchase-to-Maturity and Repurchase Financings* section, two calculations are summed to the reported value of \$1,346 million and are modeled as follows:

+ Financial Assets Sold under Agreements to Repurchase, Gross Including Not Subject to Master Netting Arrangement	Cr	\$1,190,000,000
+ Securities Loaned, Including Not Subject to Master Netting Arrangement and Assets other than Securities Transferred	Cr	\$ 156,000,000
Secured Borrowings, Gross Including Not Subject to Master Netting Arrangement	Cr	\$1,346,000,000
✓ Calculation is consistent		

And:

+ Secured Borrowings, Gross, Difference, Amount	Cr	\$ 31,000,000
+ Securities Loaned and Securities Sold under Agreement to Repurchase, Gross Including Not Subject to Master Netting Arrangement	Cr	\$1,315,000,000
Secured Borrowings, Gross Including Not Subject to Master Netting Arrangement	Cr	\$1,346,000,000
✓ Calculation is consistent		

The elements “Secured Borrowings, Gross Including Not Subject to Master Netting Arrangement” (L8) and “Securities Loaned and Securities Sold under Agreement to Repurchase, Gross Including Not Subject to Master Netting Arrangement” (L9), are both modeled with credit balance attributes and the values are reported as positive numbers, along with the reported value for “Secured Borrowings, Gross, Difference, Amount” (L10). As shown in the second image, the sum of \$1,315 million and \$31 million equals the value reported for “Secured Borrowings, Gross Including Not Subject to Master Netting Arrangement” (L8). One calculation, however, will not work because the values would be summed:

+ Securities Loaned and Securities Sold under Agreement to Repurchase, Gross Including Not Subject to Master Netting Arrangement	Cr	\$ 1,315,000,000
+ Secured Borrowings, Gross Including Not Subject to Master Netting Arrangement	Cr	\$ 1,346,000,000
Secured Borrowings, Gross, Difference, Amount	Cr	\$ 31,000,000
☒ Inconsistent with calculated value \$2,661,000,000		



- The remaining contractual maturities of the agreements coincide to the members provided for in the Taxonomy, except for “Maturity Overnight and on Demand [Member]” (M14). The documentation label (definition) of “Repurchase Agreements and Similar Transactions, Maturity Periods [Domain]” provides an example structure for extension members. The definition of that element for the 2017 Taxonomy is, “Maturity period remaining for repurchase agreements and similar transactions, for example, but not limited to, securities lending arrangements. Element name and standard label in Maturity [numeric lower end] to [numeric higher end] [date measure] [Member] or Maturity Greater Than [low end numeric value][date measure][Member] or Maturity Less Than [high end numeric value] [date measure] [Member] formats.”
  - The instance document has the primary line item elements in the column headings, and the member elements are the row headings due to size constraints.
- \*\* Preferred Labels are the labels created and used by the company to show the line item captions in its financial statements.

**Example 3—Disclosures for Repurchase Agreements, Securities Lending Transactions, and Repurchase-to-Maturity Transactions Accounted for as Secured Borrowings, Alternative**

This example presents information similar to Example 2, but the remaining contractual maturity of the repurchase agreements, securities lending transactions, and repurchase-to-maturity transactions are disclosed separately from disaggregation of the gross obligation by class of collateral pledged.

<b>Repurchase Agreements, Securities Lending Transactions, and Repurchase-to-maturity Transactions Accounted for as Secured Borrowings</b>			
<b>Class of Collateral Pledged</b>			
(Dollars in millions)			
		<u>December 31, 2017</u>	
<b>Repurchase agreements and repurchase-to-maturity transactions accounted for as secured borrowings</b>			
<b>L6, A3:M6</b>	U.S. Treasury and agency securities	\$	468
<b>L6, A3:M7</b>	State and municipal securities		263
<b>L6, A3:M8</b>	Asset-backed securities		125
<b>L6, A3:M9</b>	Corporate bonds		221
<b>L6, A3:M10</b>	Equity securities		16
<b>L6, A3:M11</b>	Non-U.S. sovereign debt		67
<b>L6, A3:M12</b>	Loans		23
<b>L6, A3:M13</b>	Other debt instruments		7
<b>L6</b>	<b>Total</b>	<u>\$</u>	<u>1,190</u>
<b>Securities lending transactions</b>			
<b>L7, A3:M6</b>	U.S. Treasury and agency securities	\$	11
<b>L7, A3:M7</b>	State and municipal securities		26
<b>L7, A3:M9</b>	Corporate bonds		8
<b>L7, A3:M10</b>	Equity securities		104
<b>L7, A3:M11</b>	Non-U.S. sovereign debt		4
<b>L7, A3:M12</b>	Loans		1
<b>L7, A3:M13</b>	Other debt instruments		2
<b>L7</b>	<b>Total</b>	<u>\$</u>	<u>156</u>
<b>L8</b>	<b>Total borrowings</b>	<u>\$</u>	<u>1,346</u>
<b>L9</b>	<b>Gross amount of recognized liabilities for repurchase agreements and securities lending in footnote X</b>	<u>\$</u>	<u>1,315</u>
<b>L10</b>	<b>Amounts related to agreements not included in offsetting disclosure in footnote X</b>	<u>\$</u>	<u>31</u>

**Figure 3.1(a)**

**Repurchase Agreements, Securities Lending Transactions, and Repurchase-to-maturity Transactions**  
**Accounted for as Secured Borrowings**  
(Dollars in millions)

**December 31, 2017**

**Remaining Contractual Maturity of the Agreements**

	<b>A4:M14</b>	<b>A4:M15</b>	<b>A4:M16</b>	<b>A4:M17</b>	
	<b>Overnight and Continuous</b>	<b>Up to 30 days</b>	<b>30-90 days</b>	<b>Greater Than 90 days</b>	<b>Total</b>
<b>L6</b> Repurchase agreements and repurchase-to-maturity transactions accounted for as secured borrowings	\$ 368	\$ 454	\$ 313	\$ 55	\$ 1,190
<b>L7</b> Securities lending transactions	82	37	22	15	156
<b>L8</b> Total borrowings	<u>\$ 450</u>	<u>\$ 491</u>	<u>\$ 335</u>	<u>\$ 70</u>	<u>\$ 1,346</u>
<b>L9</b> Gross amount of recognized liabilities for repurchase agreements and securities lending in footnote X					\$ 1,315
<b>L10</b> Amounts related to agreements not included in offsetting disclosure in footnote X					<u>\$ 31</u>

**Figure 3.1(b)**

The legends for the elements used to tag these facts are:

	<u>Standard Label</u>	<u>Balance Type</u>	<u>Period Type</u>	<u>Element Name</u>
<b>A3</b>	Financial Instrument [Axis] Financial Instruments [Domain]			FinancialInstrumentAxis TransfersAndServicingOfFinancialInstrumentsTypesOfFinancialInstrumentsDomain
<b>M6</b>	US Treasury and Government [Member]			USTreasuryAndGovernmentMember
<b>M7</b>	US States and Political Subdivisions Debt Securities [Member]			USStatesAndPoliticalSubdivisionsMember
<b>M8</b>	Asset-backed Securities [Member]			AssetBackedSecuritiesMember
<b>M9</b>	Corporate Debt Securities [Member]			CorporateDebtSecuritiesMember
<b>M10</b>	Equity Securities [Member]			EquitySecuritiesMember
<b>M11</b>	Foreign Government Debt Securities [Member]			ForeignGovernmentDebtSecuritiesMember
<b>M12</b>	Loans [Member]			LoansMember
<b>M13</b>	Other Debt Obligations [Member]			OtherDebtSecuritiesMember
<b>L6</b>	Financial Assets Sold under Agreements to Repurchase, Gross Including Not Subject to Master Netting Arrangement	Credit	Instant	FinancialAssetsSoldUnderAgreementsToRepurchaseGrossIncludingNotSubjectToMasterNettingArrangement
<b>L7</b>	Securities Loaned, Including Not Subject to Master Netting Arrangement and Assets other than Securities Transferred	Credit	Instant	SecuritiesLoanedIncludingNotSubjectToMasterNettingArrangementAndAssetsOtherThanSecuritiesTransferred
<b>L8</b>	Secured Borrowings, Gross Including Not Subject to Master Netting Arrangement	Credit	Instant	SecuredBorrowingsGrossIncludingNotSubjectToMasterNettingArrangement
<b>L9</b>	Securities Loaned and Securities Sold under Agreement to Repurchase, Gross Including Not Subject to Master Netting Arrangement	Credit	Instant	SecuritiesLoanedAndSecuritiesSoldUnderAgreementToRepurchaseGrossIncludingNotSubjectToMasterNettingArrangement
<b>L10</b>	Secured Borrowings, Gross, Difference, Amount	Credit	Instant	SecuredBorrowingsGrossDifferenceAmount

**Figure 3.2(a)**

	<u>Standard Label</u>	<u>Balance Type</u>	<u>Period Type</u>	<u>Element Name</u>
<b>A4</b>	Repurchase Agreements and Similar Transactions, Maturity Periods [Axis] Repurchase Agreements and Similar Transactions, Maturity Periods [Domain]			AssetsSoldUnderAgreementsToRepurchaseMaturityPeriodsAxis AssetsSoldUnderAgreementsToRepurchaseMaturityPeriodDomain
<b>M14</b>	Maturity Overnight and on Demand [Member]			MaturityOvernightAndOnDemandMember
<b>M15</b>	Maturity Less than 30 Days [Member]			MaturityUpTo30DaysMember
<b>M16</b>	Maturity 30 to 90 Days [Member]			Maturity30To90DaysMember
<b>M17</b>	Maturity Greater than 90 Days [Member]			MaturityOver90DaysMember
<b>L6</b>	Financial Assets Sold under Agreements to Repurchase, Gross Including Not Subject to Master Netting Arrangement	Credit	Instant	FinancialAssetsSoldUnderAgreementsToRepurchaseGrossIncludingNotSubjectToMasterNettingArrangement
<b>L7</b>	Securities Loaned, Including Not Subject to Master Netting Arrangement and Assets other than Securities Transferred	Credit	Instant	SecuritiesLoanedIncludingNotSubjectToMasterNettingArrangementAndAssetsOtherThanSecuritiesTransferred
<b>L8</b>	Secured Borrowings, Gross Including Not Subject to Master Netting Arrangement	Credit	Instant	SecuredBorrowingsGrossIncludingNotSubjectToMasterNettingArrangement
<b>L9</b>	Securities Loaned and Securities Sold under Agreement to Repurchase, Gross Including Not Subject to Master Netting Arrangement	Credit	Instant	SecuritiesLoanedAndSecuritiesSoldUnderAgreementToRepurchaseGrossIncludingNotSubjectToMasterNettingArrangement
<b>L10</b>	Secured Borrowings, Gross, Difference, Amount	Credit	Instant	SecuredBorrowingsGrossDifferenceAmount

**Figure 3.2(b)**

The instance document created using the modeling structure is provided here:

		L6	L7	L8	L9	L10
<b>Standard Label</b>	<b>Financial Instrument [Axis]</b> <b>A3</b>	<b>Financial Assets Sold under Agreements to Repurchase, Gross Including Not Subject to Master Netting Arrangement</b>	<b>Securities Loaned, Including Not Subject to Master Netting Arrangement and Assets other than Securities Transferred</b>	<b>Secured Borrowings, Gross Including Not Subject to Master Netting Arrangement</b>	<b>Securities Loaned and Securities Sold under Agreement to Repurchase, Gross Including Not Subject to Master Netting Arrangement</b>	<b>Secured Borrowings, Gross, Difference, Amount</b>
<b>Preferred Label**</b>		<b>Repurchase agreements and repurchase-to-maturity transactions accounted for as secured borrowings</b>	<b>Securities lending transactions</b>	<b>Total borrowings</b>	<b>Gross amount of recognized liabilities for repurchase agreements and securities lending in footnote X</b>	<b>Amounts related to agreements not included in offsetting disclosure in footnote X</b>
	<b>US Treasury and Government [Member]</b> <b>M6</b>	468000000	11000000			
	<b>US States and Political Subdivisions Debt Securities [Member]</b> <b>M7</b>	263000000	26000000			
	<b>Asset-backed Securities [Member]</b> <b>M8</b>	125000000				
	<b>Corporate Debt Securities [Member]</b> <b>M9</b>	221000000	8000000			
	<b>Equity Securities [Member]</b> <b>M10</b>	16000000	104000000			
	<b>Foreign Government Debt Securities [Member]</b> <b>M11</b>	67000000	4000000			
	<b>Loans [Member]</b> <b>M12</b>	23000000	1000000			
	<b>Other Debt Obligations [Member]</b> <b>M13</b>	7000000	2000000			
	<b>Report-wide Value</b>	1190000000	156000000	1346000000	1315000000	31000000

**Figure 3.3(a)**

The instance document created using the modeling structure is provided here:

	Standard Label	Preferred Label**	Maturity Overnight and on Demand [Member]	Maturity Less than 30 Days [Member]	Maturity 30 to 90 Days [Member]	Maturity Greater than 90 Days [Member]	Report-wide Value
	A4		M14	M15	M16	M17	
L6	Repurchase Agreements and Similar Transactions, Maturity Periods [Axis] Financial Assets Sold under Agreements to Repurchase, Gross Including Not Subject to Master Netting Arrangement	Repurchase agreements and repurchase-to-maturity transactions accounted for as secured borrowings	368000000	454000000	313000000	55000000	1190000000
L7	Securities Loaned, Including Not Subject to Master Netting Arrangement and Assets other than Securities Transferred	Securities lending transactions	82000000	37000000	22000000	15000000	156000000
L8	Secured Borrowings, Gross Including Not Subject to Master Netting Arrangement	Total borrowings	450000000	491000000	335000000	70000000	1346000000
L9	Securities Loaned and Securities Sold under Agreement to Repurchase, Gross Including Not Subject to Master Netting Arrangement	Gross amount of recognized liabilities for repurchase agreements and securities lending in footnote X					1315000000
L10	Secured Borrowings, Gross, Difference, Amount	Amounts related to agreements not included in offsetting disclosure in footnote X					31000000

Figure 3.3(b)

Notes:

- Please refer to the *Modeling Repurchase-to-Maturity and Repurchase Financings* section and first note for Example 2 on structuring the calculations.
  - The remaining contractual maturities of the agreements coincide to the members provided for in the Taxonomy, except for “Maturity Overnight and on Demand [Member]” (M14). The documentation label (definition) of “Repurchase Agreements and Similar Transactions, Maturity Periods [Domain]” provides an example structure for extension members. The definition of that element for the 2017 Taxonomy is, “Maturity period remaining for repurchase agreements and similar transactions, for example, but not limited to, securities lending arrangements. Element name and standard label in Maturity [numeric lower end] to [numeric higher end] [date measure] [Member] or Maturity Greater Than [low end numeric value][date measure][Member] or Maturity Less Than [high end numeric value] [date measure] [Member] formats.”
  - The instance document has the primary line item elements in the column headings, and the member elements are the row headings due to size constraints.
- \*\* Preferred Labels are the labels created and used by the company to show the line item captions in its financial statements.

**Example 4—Disclosures for Repurchase Agreements Accounted for as Secured Borrowings**

In this example, the value reported for “Securities Sold under Agreements to Repurchase, Gross” (L11) in this example is the same as for Example 1 (L27) of the *Disclosures about Offsetting Assets and Liabilities Taxonomy Implementation Guide*. As such, the same element is used in both examples.

This example excludes securities lending transactions, as they were not included in Example 1 of the *Disclosures about Offsetting Assets and Liabilities Taxonomy Implementation Guide*.

<b>Repurchase Agreements and Repurchase-to-maturity Transactions</b> <b>Accounted for as Secured Borrowings</b> (Dollars in millions) <b>December 31, 2017</b>		<b>A4:M14</b> <b>Overnight and Continuous</b>										
<b>L6, A3:M6</b> U.S. Treasury and agency securities <b>L6, A3:M7</b> State and municipal securities <b>L6, A3:M8</b> Asset-backed securities <b>L6, A3:M12</b> Loans <b>L6</b> Total		<table border="1"> <tr><td>\$</td><td style="text-align: right;">54</td></tr> <tr><td></td><td style="text-align: right;">7</td></tr> <tr><td></td><td style="text-align: right;">19</td></tr> <tr><td></td><td style="text-align: right;">2</td></tr> <tr><td style="border-top: 1px solid black;">\$</td><td style="text-align: right; border-top: 1px solid black;">82</td></tr> </table>	\$	54		7		19		2	\$	82
\$	54											
	7											
	19											
	2											
\$	82											
<b>L11</b> <b>Gross amount of recognized liabilities for repurchase agreements in Example 1<sup>(1)</sup></b>		<table border="1"> <tr><td>\$</td><td style="text-align: right;">80</td></tr> </table>	\$	80								
\$	80											
<b>L10</b> <b>Amounts related to agreements not included in offsetting disclosure in Example 1</b>		<table border="1"> <tr><td>\$</td><td style="text-align: right;">2</td></tr> </table>	\$	2								
\$	2											

<sup>(1)</sup> Example 1 of the *Disclosures about Offsetting Assets and Liabilities Taxonomy Implementation Guide*.

**Figure 4.1**



The legend for the elements to tag the facts is:

	<u>Standard Label</u>	<u>Balance Type</u>	<u>Period Type</u>	<u>Element Name</u>
<b>A3</b>	Financial Instrument [Axis]			FinancialInstrumentAxis
	Financial Instruments [Domain]			TransfersAndServicingOffFinancialInstrumentsTypesOfFinancialInstrumentsDomain
<b>M6</b>	US Treasury and Government [Member]			USTreasuryAndGovernmentMember
<b>M7</b>	US States and Political Subdivisions Debt Securities [Member]			USStatesAndPoliticalSubdivisionsMember
<b>M8</b>	Asset-backed Securities [Member]			AssetBackedSecuritiesMember
<b>M12</b>	Loans [Member]			LoansMember
<b>A4</b>	Repurchase Agreements and Similar Transactions, Maturity Periods [Axis]			AssetsSoldUnderAgreementsToRepurchaseMaturityPeriodsAxis
	Repurchase Agreements and Similar Transactions, Maturity Periods [Domain]			AssetsSoldUnderAgreementsToRepurchaseMaturityPeriodDomain
<b>M14</b>	Maturity Overnight and on Demand [Member]			MaturityOvernightAndOnDemandMember
<b>L6</b>	Financial Assets Sold under Agreements to Repurchase, Gross Including Not Subject to Master Netting Arrangement	Credit	Instant	FinancialAssetsSoldUnderAgreementsToRepurchaseGrossIncludingNotSubjectToMasterNettingArrangement
<b>L10</b>	Secured Borrowings, Gross, Difference, Amount	Credit	Instant	SecuredBorrowingsGrossDifferenceAmount
<b>L11</b>	Securities Sold under Agreements to Repurchase, Gross	Credit	Instant	SecuritiesSoldUnderAgreementsToRepurchaseGross

**Figure 4.2**

The instance document created using the modeling structure is provided here:

Standard Label		Preferred Label**					
Financial Instrument [Axis]		US Treasury and Government [Member]	US States and Political Subdivisions Debt Securities [Member]	Asset-backed Securities [Member]	Loans [Member]		Report-wide Value
A3		M6	M7	M8	M12		
Repurchase Agreements and Similar Transactions, Maturity Periods [Axis]		Maturity Overnight and on Demand [Member]					
A4		M14					
L6 Financial Assets Sold under Agreements to Repurchase, Gross Including Not Subject to Master Netting Arrangement	Repurchase Agreements and Repurchase-to-maturity Transactions Accounted for as Secured Borrowings	54000000	7000000	19000000	2000000	82000000	82000000
L11 Securities Sold under Agreements to Repurchase, Gross	Gross amount of recognized liabilities for repurchase agreements in Example 1						80000000
L10 Secured Borrowings, Gross, Difference, Amount	Amounts related to agreements not included in offsetting disclosure in Example 1						2000000

Figure 4.3

Notes:

- Because the example excludes securities lending transactions, “Securities Sold under Agreements to Repurchase, Gross” (L11) has been used instead of “Financial Assets Sold under Agreements to Repurchase, Gross Including Not Subject to Master Netting Arrangement” (L6) as it is the element with the narrowest definition.
  - The \$82 million is tagged twice even though the number is only presented once. It is tagged once qualified with the member “Maturity Overnight and on Demand [Member]” (M14) since it is the total value of securities lending transactions for the disclosed maturity period and once unqualified (no [Member] elements applied to the fact) as it represents the total population of securities lending transactions. That the \$82 million represents two distinct facts is conveyed in the presentation of the information.
  - “Securities Sold under Agreements to Repurchase, Gross” is L11 in this guide and L27 in the *Disclosures about Offsetting Assets and Liabilities Taxonomy Implementation Guide*.
- \*\* Preferred Labels are the labels created and used by the company to show the line item captions in its financial statements.

## Appendix A—Changes to 2017 Taxonomy Implementation Guide from 2016 Taxonomy Implementation Guide

Example Number(s) or Section	Figure(s)	Explanation	2016 Reference	2016 Element	2016 Preferred Label	2017 Reference	2017 Element	2017 Preferred Label
Example 2, Example 3	1.1, 1.3; 3.1(a), 3.1(b), 3.3(a), 3.3(b)	Updated Preferred Label.	L6	FinancialAssetsSoldUnderAgreementsToRepurchaseGrossIncludingNotSubjectToMasterNettingArrangement	Repurchase agreements and repurchase-to-maturity transactions	L6	FinancialAssetsSoldUnderAgreementsToRepurchaseGrossIncludingNotSubjectToMasterNettingArrangement	Repurchase agreements and repurchase-to-maturity transactions accounted for as secured borrowings