

(iv) For a synthetic exposure, the amount of the Board-regulated institution's loss on the exposure if the reference capital or covered debt instrument were to have a value of zero.

(3) *Adjustments to reflect a short position.* In order to adjust the gross long position to recognize a short position in the same instrument under paragraph (h)(1) of this section, the following criteria must be met:

(i) The maturity of the short position must match the maturity of the long position, or the short position must have a residual maturity of at least one year (maturity requirement); or

(ii) For a position that is a trading asset or trading liability (whether on- or off-balance sheet) as reported on the Board-regulated institution's Call Report, for a state member bank, or FR Y-9C, for a bank holding company, savings and loan holding company, or intermediate holding company, as applicable, if the Board-regulated institution has a contractual right or obligation to sell the long position at a specific point in time and the counterparty to the contract has an obligation to purchase the long position if the Board-regulated institution exercises its right to sell, this point in time may be treated as the maturity of the long position such that the maturity of the long position and short position are deemed to match for purposes of the maturity requirement, even if the maturity of the short position is less than one year; and

(iii) For an investment in a Board-regulated institution's own capital instrument under paragraph (c)(1) of this section, an investment in the capital of an unconsolidated financial institution under paragraphs (c)(4) through (6) and (d) of this section (as applicable), and an investment in a covered debt instrument under paragraphs (c)(1), (5), and (6) of this section:

(A) The Board-regulated institution may only net a short position against a long position in an investment in the Board-regulated institution's own capital instrument or own covered debt instrument under paragraph (c)(1) of this section if the short position involves no counterparty credit risk;

(B) A gross long position in an investment in the Board-regulated institution's own capital instrument, an investment in the capital of an unconsolidated financial institution, or an investment in a covered debt instrument due to a position in an index may be netted against a short position in the same index;

(C) Long and short positions in the same index without maturity dates are considered to have matching maturities; and

(D) A short position in an index that is hedging a long cash or synthetic position in an investment in the Board-regulated institution's own capital instrument, an investment in the capital of an unconsolidated financial institution, or an investment in a covered debt instrument can be decomposed to provide recognition of the hedge. More specifically, the portion of the index that is composed of the same underlying instrument that is being hedged may be used to offset the long position if both the long position being hedged and the short position in the index are reported as a trading asset or trading liability (whether on- or off-balance sheet) on the Board-regulated institution's Call Report, for a state member bank, or FR Y-9C, for a bank holding company, savings and loan holding company, or intermediate holding company, as applicable, and the hedge is deemed effective by the Board-regulated institution's internal control processes, which have not been found to be inadequate by the Board.

[Reg. Q, 78 FR 62157, 62285, Oct. 11, 2013, as amended at 78 FR 62287, Oct. 11, 2013; 79 FR 78295, Dec. 30, 2014; 80 FR 41419, July 15, 2015; 84 FR 4242, Feb. 14, 2019; 84 FR 35261, July 22, 2019; 84 FR 59271, Nov. 1, 2019; 84 FR 61798, Nov. 13, 2019; 86 FR 735, Jan. 6, 2021]

EDITORIAL NOTE: At 84 FR 35261, July 22, 2019, § 217.22 was amended in part by revising (a)(1)(i); however, the amendment could not be incorporated due to inaccurate amendatory instruction.

§§ 217.23–217.29 [Reserved]

Subpart D—Risk-Weighted Assets—Standardized Approach

§ 217.30 Applicability.

(a) This subpart sets forth methodologies for determining risk-weighted assets for purposes of the generally

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applicable risk-based capital requirements for all Board-regulated institutions.

(b) Notwithstanding paragraph (a) of this section, a market risk Board-regulated institution must exclude from its calculation of risk-weighted assets under this subpart the risk-weighted asset amounts of all covered positions, as defined in subpart F of this part (except foreign exchange positions that are not trading positions, OTC derivative positions, cleared transactions, and unsettled transactions).

RISK-WEIGHTED ASSETS FOR GENERAL CREDIT RISK

§ 217.31 Mechanics for calculating risk-weighted assets for general credit risk.

(a) *General risk-weighting requirements.* A Board-regulated institution must apply risk weights to its exposures as follows:

(1) A Board-regulated institution must determine the exposure amount of each on-balance sheet exposure, each OTC derivative contract, and each off-balance sheet commitment, trade and transaction-related contingency, guarantee, repo-style transaction, financial standby letter of credit, forward agreement, or other similar transaction that is not:

(i) An unsettled transaction subject to § 217.38;

(ii) A cleared transaction subject to § 217.35;

(iii) A default fund contribution subject to § 217.35;

(iv) A securitization exposure subject to §§ 217.41 through 217.45; or

(v) An equity exposure (other than an equity OTC derivative contract) subject to §§ 217.51 through 217.53.

(2) The Board-regulated institution must multiply each exposure amount by the risk weight appropriate to the exposure based on the exposure type or counterparty, eligible guarantor, or financial collateral to determine the risk-weighted asset amount for each exposure.

(b) Total risk-weighted assets for general credit risk equals the sum of the risk-weighted asset amounts calculated under this section.

§ 217.32 General risk weights.

(a) *Sovereign exposures*—(1) *Exposures to the U.S. government.* (i) Notwithstanding any other requirement in this subpart, a Board-regulated institution must assign a zero percent risk weight to:

(A) An exposure to the U.S. government, its central bank, or a U.S. government agency; and

(B) The portion of an exposure that is directly and unconditionally guaranteed by the U.S. government, its central bank, or a U.S. government agency. This includes a deposit or other exposure, or the portion of a deposit or other exposure, that is insured or otherwise unconditionally guaranteed by the FDIC or National Credit Union Administration.

(ii) A Board-regulated institution must assign a 20 percent risk weight to the portion of an exposure that is conditionally guaranteed by the U.S. government, its central bank, or a U.S. government agency. This includes an exposure, or the portion of an exposure, that is conditionally guaranteed by the FDIC or National Credit Union Administration.

(iii) A Board-regulated institution must assign a zero percent risk weight to a Paycheck Protection Program covered loan as defined in section 7(a)(36) of the Small Business Act (15 U.S.C. 636(a)(36)).

(2) *Other sovereign exposures.* In accordance with Table 1 to § 217.32, a Board-regulated institution must assign a risk weight to a sovereign exposure based on the CRC applicable to the sovereign or the sovereign's OECD membership status if there is no CRC applicable to the sovereign.

TABLE 1 TO § 217.32—RISK WEIGHTS FOR SOVEREIGN EXPOSURES

	Risk weight (in percent)
CRC:	
0-1	0
2	20
3	50
4-6	100
7	150
OECD Member with No CRC	0
Non-OECD Member with No CRC	100
Sovereign Default	150

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(3) *Certain sovereign exposures.* Notwithstanding paragraph (a)(2) of this section, a Board-regulated institution may assign to a sovereign exposure a risk weight that is lower than the applicable risk weight in Table 1 to § 217.32 if:

- (i) The exposure is denominated in the sovereign's currency;
- (ii) The Board-regulated institution has at least an equivalent amount of liabilities in that currency; and
- (iii) The risk weight is not lower than the risk weight that the home country supervisor allows Board-regulated institutions under its jurisdiction to assign to the same exposures to the sovereign.

(4) *Exposures to a non-OECD member sovereign with no CRC.* Except as provided in paragraphs (a)(3), (a)(5) and (a)(6) of this section, a Board-regulated institution must assign a 100 percent risk weight to an exposure to a sovereign if the sovereign does not have a CRC.

(5) *Exposures to an OECD member sovereign with no CRC.* Except as provided in paragraph (a)(6) of this section, a Board-regulated institution must assign a 0 percent risk weight to an exposure to a sovereign that is a member of the OECD if the sovereign does not have a CRC.

(6) *Sovereign default.* A Board-regulated institution must assign a 150 percent risk weight to a sovereign exposure immediately upon determining that an event of sovereign default has occurred, or if an event of sovereign default has occurred during the previous five years.

(b) *Certain supranational entities and multilateral development banks (MDBs).* A Board-regulated institution must assign a zero percent risk weight to an exposure to the Bank for International Settlements, the European Central Bank, the European Commission, the International Monetary Fund, the European Stability Mechanism, the European Financial Stability Facility, or an MDB.

(c) *Exposures to GSEs.* (1) A Board-regulated institution must assign a 20 percent risk weight to an exposure to a GSE other than an equity exposure or preferred stock.

(2) A Board-regulated institution must assign a 100 percent risk weight to preferred stock issued by a GSE.

(d) *Exposures to depository institutions, foreign banks, and credit unions—*(1) *Exposures to U.S. depository institutions and credit unions.* A Board-regulated institution must assign a 20 percent risk weight to an exposure to a depository institution or credit union that is organized under the laws of the United States or any state thereof, except as otherwise provided under paragraph (d)(3) of this section.

(2) *Exposures to foreign banks.* (i) Except as otherwise provided under paragraphs (d)(2)(iii), (d)(2)(v), and (d)(3) of this section, a Board-regulated institution must assign a risk weight to an exposure to a foreign bank, in accordance with Table 2 to § 217.32, based on the CRC that corresponds to the foreign bank's home country or the OECD membership status of the foreign bank's home country if there is no CRC applicable to the foreign bank's home country.

TABLE 2 TO § 217.32—RISK WEIGHTS FOR EXPOSURES TO FOREIGN BANKS

	Risk weight (in percent)
CRC:	
0–1	20
2	50
3	100
4–7	150
OECD Member with No CRC	20
Non-OECD Member with No CRC	100
Sovereign Default	150

(ii) A Board-regulated institution must assign a 20 percent risk weight to an exposure to a foreign bank whose home country is a member of the OECD and does not have a CRC.

(iii) A Board-regulated institution must assign a 20 percent risk-weight to an exposure that is a self-liquidating, trade-related contingent item that arises from the movement of goods and that has a maturity of three months or less to a foreign bank whose home country has a CRC of 0, 1, 2, or 3, or is an OECD member with no CRC.

(iv) A Board-regulated institution must assign a 100 percent risk weight to an exposure to a foreign bank whose home country is not a member of the OECD and does not have a CRC, with

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the exception of self-liquidating, trade-related contingent items that arise from the movement of goods, and that have a maturity of three months or less, which may be assigned a 20 percent risk weight.

(v) A Board-regulated institution must assign a 150 percent risk weight to an exposure to a foreign bank immediately upon determining that an event of sovereign default has occurred in the bank's home country, or if an event of sovereign default has occurred in the foreign bank's home country during the previous five years.

(3) A Board-regulated institution must assign a 100 percent risk weight to an exposure to a financial institution if the exposure may be included in that financial institution's capital unless the exposure is:

- (i) An equity exposure;
- (ii) A significant investment in the capital of an unconsolidated financial institution in the form of common stock pursuant to § 217.22(d)(2)(i)(c);
- (iii) Deducted from regulatory capital under § 217.22; or
- (iv) Subject to a 150 percent risk weight under paragraph (d)(2)(iv) or Table 2 of paragraph (d)(2) of this section.

(e) *Exposures to public sector entities (PSEs)*—(1) *Exposures to U.S. PSEs.* (i) A Board-regulated institution must assign a 20 percent risk weight to a general obligation exposure to a PSE that is organized under the laws of the United States or any state or political subdivision thereof.

(ii) A Board-regulated institution must assign a 50 percent risk weight to a revenue obligation exposure to a PSE that is organized under the laws of the United States or any state or political subdivision thereof.

(2) *Exposures to foreign PSEs.* (i) Except as provided in paragraphs (e)(1) and (e)(3) of this section, a Board-regulated institution must assign a risk weight to a general obligation exposure to a PSE, in accordance with Table 3 to § 217.32, based on the CRC that corresponds to the PSE's home country or the OECD membership status of the PSE's home country if there is no CRC applicable to the PSE's home country.

(ii) Except as provided in paragraphs (e)(1) and (e)(3) of this section, a Board-

regulated institution must assign a risk weight to a revenue obligation exposure to a PSE, in accordance with Table 4 to § 217.32, based on the CRC that corresponds to the PSE's home country; or the OECD membership status of the PSE's home country if there is no CRC applicable to the PSE's home country.

(3) A Board-regulated institution may assign a lower risk weight than would otherwise apply under Tables 3 or 4 to § 217.32 to an exposure to a foreign PSE if:

- (i) The PSE's home country supervisor allows banks under its jurisdiction to assign a lower risk weight to such exposures; and
- (ii) The risk weight is not lower than the risk weight that corresponds to the PSE's home country in accordance with Table 1 to § 217.32.

TABLE 3 TO § 217.32—RISK WEIGHTS FOR NON-U.S. PSE GENERAL OBLIGATIONS

	Risk weight (in percent)
CRC:	
0–1	20
2	50
3	100
4–7	150
OECD Member with No CRC	20
Non-OECD Member with No CRC	100
Sovereign Default	150

TABLE 4 TO § 217.32—RISK WEIGHTS FOR NON-U.S. PSE REVENUE OBLIGATIONS

	Risk weight (in percent)
CRC:	
0–1	50
2–3	100
4–7	150
OECD Member with No CRC	50
Non-OECD Member with No CRC	100
Sovereign Default	150

(4) *Exposures to PSEs from an OECD member sovereign with no CRC.* (i) A Board-regulated institution must assign a 20 percent risk weight to a general obligation exposure to a PSE whose home country is an OECD member sovereign with no CRC.

(ii) A Board-regulated institution must assign a 50 percent risk weight to a revenue obligation exposure to a PSE whose home country is an OECD member sovereign with no CRC.

(5) *Exposures to PSEs whose home country is not an OECD member sovereign with no CRC.* A Board-regulated institution must assign a 100 percent risk weight to an exposure to a PSE whose home country is not a member of the OECD and does not have a CRC.

(6) A Board-regulated institution must assign a 150 percent risk weight to a PSE exposure immediately upon determining that an event of sovereign default has occurred in a PSE's home country or if an event of sovereign default has occurred in the PSE's home country during the previous five years.

(f) *Corporate exposures.* (1) A Board-regulated institution must assign a 100 percent risk weight to all its corporate exposures, except as provided in paragraphs (f)(2) and (f)(3) of this section.

(2) A Board-regulated institution must assign a 2 percent risk weight to an exposure to a QCCP arising from the Board-regulated institution posting cash collateral to the QCCP in connection with a cleared transaction that meets the requirements of §217.35(b)(3)(i)(A) and a 4 percent risk weight to an exposure to a QCCP arising from the Board-regulated institution posting cash collateral to the QCCP in connection with a cleared transaction that meets the requirements of §217.35(b)(3)(i)(B).

(3) A Board-regulated institution must assign a 2 percent risk weight to an exposure to a QCCP arising from the Board-regulated institution posting cash collateral to the QCCP in connection with a cleared transaction that meets the requirements of §217.35(c)(3)(i).

(g) *Residential mortgage exposures.* (1) A Board-regulated institution must assign a 50 percent risk weight to a first-lien residential mortgage exposure that:

- (i) Is secured by a property that is either owner-occupied or rented;
- (ii) Is made in accordance with prudent underwriting standards, including relating to the loan amount as a percent of the appraised value of the property; A Board-regulated institution must base all estimates of a property's value on an appraisal or evaluation of the property that satisfies subpart E of 12 CFR part 208.

(iii) Is not 90 days or more past due or carried in nonaccrual status; and

(iv) Is not restructured or modified.

(2) A Board-regulated institution must assign a 100 percent risk weight to a first-lien residential mortgage exposure that does not meet the criteria in paragraph (g)(1) of this section, and to junior-lien residential mortgage exposures.

(3) For the purpose of this paragraph (g), if a Board-regulated institution holds the first-lien and junior-lien(s) residential mortgage exposures, and no other party holds an intervening lien, the Board-regulated institution must combine the exposures and treat them as a single first-lien residential mortgage exposure.

(4) A loan modified or restructured solely pursuant to the U.S. Treasury's Home Affordable Mortgage Program is not modified or restructured for purposes of this section.

(h) *Pre-sold construction loans.* A Board-regulated institution must assign a 50 percent risk weight to a pre-sold construction loan unless the purchase contract is cancelled, in which case a Board-regulated institution must assign a 100 percent risk weight.

(i) *Statutory multifamily mortgages.* A Board-regulated institution must assign a 50 percent risk weight to a statutory multifamily mortgage.

(j) *High-volatility commercial real estate (HVCRE) exposures.* A Board-regulated institution must assign a 150 percent risk weight to an HVCRE exposure.

(k) *Past due exposures.* Except for an exposure to a sovereign entity or a residential mortgage exposure or a policy loan, if an exposure is 90 days or more past due or on nonaccrual:

(1) A Board-regulated institution must assign a 150 percent risk weight to the portion of the exposure that is not guaranteed or that is unsecured;

(2) A Board-regulated institution may assign a risk weight to the guaranteed portion of a past due exposure based on the risk weight that applies under §217.36 if the guarantee or credit derivative meets the requirements of that section; and

(3) A Board-regulated institution may assign a risk weight to the collateralized portion of a past due exposure based on the risk weight that

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applies under § 217.37 if the collateral meets the requirements of that section.

(1) *Other assets.* (1)(i) A bank holding company or savings and loan holding company must assign a zero percent risk weight to cash owned and held in all offices of subsidiary depository institutions or in transit, and to gold bullion held in a subsidiary depository institution's own vaults, or held in another depository institution's vaults on an allocated basis, to the extent the gold bullion assets are offset by gold bullion liabilities.

(ii) A state member bank must assign a zero percent risk weight to cash owned and held in all offices of the state member bank or in transit; to gold bullion held in the state member bank's own vaults or held in another depository institution's vaults on an allocated basis, to the extent the gold bullion assets are offset by gold bullion liabilities; and to exposures that arise from the settlement of cash transactions (such as equities, fixed income, spot foreign exchange and spot commodities) with a central counterparty where there is no assumption of ongoing counterparty credit risk by the central counterparty after settlement of the trade and associated default fund contributions.

(2) A Board-regulated institution must assign a 20 percent risk weight to cash items in the process of collection.

(3) A Board-regulated institution must assign a 100 percent risk weight to DTAs arising from temporary differences that the Board-regulated institution could realize through net operating loss carrybacks.

(4) A Board-regulated institution must assign a 250 percent risk weight to the portion of each of the following items to the extent it is not deducted from common equity tier 1 capital pursuant to § 217.22(d):

(i) MSAs; and

(ii) DTAs arising from temporary differences that the Board-regulated institution could not realize through net operating loss carrybacks.

(5) A Board-regulated institution must assign a 100 percent risk weight to all assets not specifically assigned a different risk weight under this subpart and that are not deducted from

tier 1 or tier 2 capital pursuant to § 217.22.

(6) Notwithstanding the requirements of this section, a state member bank may assign an asset that is not included in one of the categories provided in this section to the risk weight category applicable under the capital rules applicable to bank holding companies and savings and loan holding companies under this part, provided that all of the following conditions apply:

(i) The Board-regulated institution is not authorized to hold the asset under applicable law other than debt previously contracted or similar authority; and

(ii) The risks associated with the asset are substantially similar to the risks of assets that are otherwise assigned to a risk weight category of less than 100 percent under this subpart.

(m) *Insurance assets*—(1) *Assets held in a separate account.* (i) A bank holding company or savings and loan holding company must risk-weight the individual assets held in a separate account that does not qualify as a non-guaranteed separate account as if the individual assets were held directly by the bank holding company or savings and loan holding company.

(ii) A bank holding company or savings and loan holding company must assign a zero percent risk weight to an asset that is held in a non-guaranteed separate account.

(2) *Policy loans.* A bank holding company or savings and loan holding company must assign a 20 percent risk weight to a policy loan.

[Reg. Q, 78 FR 62157, 62285, Oct. 11, 2013, as amended at 78 FR 62287, Oct. 11, 2013; 84 FR 35264, July 22, 2019; 85 FR 4417, Jan. 24, 2020; 85 FR 20393, Apr. 13, 2020; 85 FR 57961, Sept. 17, 2020]

§ 217.33 Off-balance sheet exposures.

(a) *General.* (1) A Board-regulated institution must calculate the exposure amount of an off-balance sheet exposure using the credit conversion factors (CCFs) in paragraph (b) of this section.

(2) Where a Board-regulated institution commits to provide a commitment, the Board-regulated institution may apply the lower of the two applicable CCFs.

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(3) Where a Board-regulated institution provides a commitment structured as a syndication or participation, the Board-regulated institution is only required to calculate the exposure amount for its pro rata share of the commitment.

(4) Where a Board-regulated institution provides a commitment, enters into a repurchase agreement, or provides a credit-enhancing representation and warranty, and such commitment, repurchase agreement, or credit-enhancing representation and warranty is not a securitization exposure, the exposure amount shall be no greater than the maximum contractual amount of the commitment, repurchase agreement, or credit-enhancing representation and warranty, as applicable.

(b) *Credit conversion factors*—(1) *Zero percent CCF*. A Board-regulated institution must apply a zero percent CCF to the unused portion of a commitment that is unconditionally cancelable by the Board-regulated institution.

(2) *20 percent CCF*. A Board-regulated institution must apply a 20 percent CCF to the amount of:

(i) Commitments with an original maturity of one year or less that are not unconditionally cancelable by the Board-regulated institution; and

(ii) Self-liquidating, trade-related contingent items that arise from the movement of goods, with an original maturity of one year or less.

(3) *50 percent CCF*. A Board-regulated institution must apply a 50 percent CCF to the amount of:

(i) Commitments with an original maturity of more than one year that are not unconditionally cancelable by the Board-regulated institution; and

(ii) Transaction-related contingent items, including performance bonds, bid bonds, warranties, and performance standby letters of credit.

(4) *100 percent CCF*. A Board-regulated institution must apply a 100 percent CCF to the amount of the following off-balance-sheet items and other similar transactions:

(i) Guarantees;

(ii) Repurchase agreements (the off-balance sheet component of which equals the sum of the current fair values of all positions the Board-regulated

institution has sold subject to repurchase);

(iii) Credit-enhancing representations and warranties that are not securitization exposures;

(iv) Off-balance sheet securities lending transactions (the off-balance sheet component of which equals the sum of the current fair values of all positions the Board-regulated institution has lent under the transaction);

(v) Off-balance sheet securities borrowing transactions (the off-balance sheet component of which equals the sum of the current fair values of all non-cash positions the Board-regulated institution has posted as collateral under the transaction);

(vi) Financial standby letters of credit; and

(vii) Forward agreements.

§ 217.34 Derivative contracts.

(a) *Exposure amount for derivative contracts*—(1) *Board-regulated institution that is not an advanced approaches Board-regulated institution*. (i) A Board-regulated institution that is not an advanced approaches Board-regulated institution must use the current exposure methodology (CEM) described in paragraph (b) of this section to calculate the exposure amount for all its OTC derivative contracts, unless the Board-regulated institution makes the election provided in paragraph (a)(1)(ii) of this section.

(ii) A Board-regulated institution that is not an advanced approaches Board-regulated institution may elect to calculate the exposure amount for all its OTC derivative contracts under the standardized approach for counterparty credit risk (SA-CCR) in § 217.132(c) by notifying the Board, rather than calculating the exposure amount for all its derivative contracts using CEM. A Board-regulated institution that elects under this paragraph (a)(1)(ii) to calculate the exposure amount for its OTC derivative contracts under SA-CCR must apply the treatment of cleared transactions under § 217.133 to its derivative contracts that are cleared transactions and to all default fund contributions associated with such derivative contracts, rather than applying § 217.35. A Board-regulated institution that is not

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an advanced approaches Board-regulated institution must use the same methodology to calculate the exposure amount for all its derivative contracts and, if a Board-regulated institution has elected to use SA-CCR under this paragraph (a)(1)(ii), the Board-regulated institution may change its election only with prior approval of the Board.

(2) *Advanced approaches Board-regulated institution.* An advanced approaches Board-regulated institution must calculate the exposure amount for all its derivative contracts using SA-CCR in § 217.132(c) for purposes of standardized total risk-weighted assets. An advanced approaches Board-regulated institution must apply the treatment of cleared transactions under § 217.133 to its derivative contracts that are cleared transactions and to all default fund contributions associated with such derivative contracts for purposes of standardized total risk-weighted assets.

(b) *Current exposure methodology exposure amount—(1) Single OTC derivative contract.* Except as modified by paragraph (c) of this section, the exposure amount for a single OTC derivative contract that is not subject to a qualifying master netting agreement is equal to the sum of the Board-regulated institution's current credit exposure and potential future credit exposure (PFE) on the OTC derivative contract.

(i) *Current credit exposure.* The current credit exposure for a single OTC

derivative contract is the greater of the fair value of the OTC derivative contract or zero.

(ii) *PFE.* (A) The PFE for a single OTC derivative contract, including an OTC derivative contract with a negative fair value, is calculated by multiplying the notional principal amount of the OTC derivative contract by the appropriate conversion factor in Table 1 to this section.

(B) For purposes of calculating either the PFE under this paragraph (b)(1)(ii) or the gross PFE under paragraph (b)(2)(ii)(A) of this section for exchange rate contracts and other similar contracts in which the notional principal amount is equivalent to the cash flows, notional principal amount is the net receipts to each party falling due on each value date in each currency.

(C) For an OTC derivative contract that does not fall within one of the specified categories in Table 1 to this section, the PFE must be calculated using the appropriate "other" conversion factor.

(D) A Board-regulated institution must use an OTC derivative contract's effective notional principal amount (that is, the apparent or stated notional principal amount multiplied by any multiplier in the OTC derivative contract) rather than the apparent or stated notional principal amount in calculating PFE.

(E) The PFE of the protection provider of a credit derivative is capped at the net present value of the amount of unpaid premiums.

TABLE 1 TO § 217.34—CONVERSION FACTOR MATRIX FOR DERIVATIVE CONTRACTS ¹

Remaining maturity ²	Interest rate	Foreign exchange rate and gold	Credit (investment grade reference asset) ³	Credit (non-investment-grade reference asset)	Equity	Precious metals (except gold)	Other
One year or less	0.00	0.01	0.05	0.10	0.06	0.07	0.10
Greater than one year and less than or equal to five years	0.005	0.05	0.05	0.10	0.08	0.07	0.12
Greater than five years	0.015	0.075	0.05	0.10	0.10	0.08	0.15

¹For a derivative contract with multiple exchanges of principal, the conversion factor is multiplied by the number of remaining payments in the derivative contract.

²For an OTC derivative contract that is structured such that on specified dates any outstanding exposure is settled and the terms are reset so that the fair value of the contract is zero, the remaining maturity equals the time until the next reset date. For an interest rate derivative contract with a remaining maturity of greater than one year that meets these criteria, the minimum conversion factor is 0.005.

³A Board-regulated institution must use the column labeled "Credit (investment-grade reference asset)" for a credit derivative whose reference asset is an outstanding unsecured long-term debt security without credit enhancement that is investment grade. A Board-regulated institution must use the column labeled "Credit (non-investment-grade reference asset)" for all other credit derivatives.

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(2) *Multiple OTC derivative contracts subject to a qualifying master netting agreement.* Except as modified by paragraph (c) of this section, the exposure amount for multiple OTC derivative contracts subject to a qualifying master netting agreement is equal to the sum of the net current credit exposure and the adjusted sum of the PFE amounts for all OTC derivative contracts subject to the qualifying master netting agreement.

(i) *Net current credit exposure.* The net current credit exposure is the greater of the net sum of all positive and negative fair values of the individual OTC derivative contracts subject to the qualifying master netting agreement or zero.

(ii) *Adjusted sum of the PFE amounts.* The adjusted sum of the PFE amounts, A_{net} , is calculated as $A_{net} = (0.4 \times A_{gross}) + (0.6 \times NGR \times A_{gross})$, where:

(A) A_{gross} = the gross PFE (that is, the sum of the PFE amounts as determined under paragraph (b)(1)(ii) of this section for each individual derivative contract subject to the qualifying master netting agreement); and

(B) Net-to-gross Ratio (NGR) = the ratio of the net current credit exposure to the gross current credit exposure. In calculating the NGR, the gross current credit exposure equals the sum of the positive current credit exposures (as determined under paragraph (b)(1)(i) of this section) of all individual derivative contracts subject to the qualifying master netting agreement.

(c) *Recognition of credit risk mitigation of collateralized OTC derivative contracts.*

(1) A Board-regulated institution using CEM under paragraph (b) of this section may recognize the credit risk mitigation benefits of financial collateral that secures an OTC derivative contract or multiple OTC derivative contracts subject to a qualifying master netting agreement (netting set) by using the simple approach in § 217.37(b).

(2) As an alternative to the simple approach, a Board-regulated institution using CEM under paragraph (b) of this section may recognize the credit risk mitigation benefits of financial collateral that secures such a contract or netting set if the financial collateral is marked-to-fair value on a daily basis and subject to a daily margin mainte-

nance requirement by applying a risk weight to the uncollateralized portion of the exposure, after adjusting the exposure amount calculated under paragraph (b)(1) or (2) of this section using the collateral haircut approach in § 217.37(c). The Board-regulated institution must substitute the exposure amount calculated under paragraph (b)(1) or (2) of this section for ΣE in the equation in § 217.37(c)(2).

(d) *Counterparty credit risk for credit derivatives—(1) Protection purchasers.* A Board-regulated institution that purchases a credit derivative that is recognized under § 217.36 as a credit risk mitigant for an exposure that is not a covered position under subpart F of this part is not required to compute a separate counterparty credit risk capital requirement under this subpart provided that the Board-regulated institution does so consistently for all such credit derivatives. The Board-regulated institution must either include all or exclude all such credit derivatives that are subject to a qualifying master netting agreement from any measure used to determine counterparty credit risk exposure to all relevant counterparties for risk-based capital purposes.

(2) *Protection providers.* (i) A Board-regulated institution that is the protection provider under a credit derivative must treat the credit derivative as an exposure to the underlying reference asset. The Board-regulated institution is not required to compute a counterparty credit risk capital requirement for the credit derivative under this subpart, provided that this treatment is applied consistently for all such credit derivatives. The Board-regulated institution must either include all or exclude all such credit derivatives that are subject to a qualifying master netting agreement from any measure used to determine counterparty credit risk exposure.

(ii) The provisions of this paragraph (d)(2) apply to all relevant counterparties for risk-based capital purposes unless the Board-regulated institution is treating the credit derivative as a covered position under subpart F of this part, in which case the Board-regulated

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institution must compute a supplemental counterparty credit risk capital requirement under this section.

(e) *Counterparty credit risk for equity derivatives.* (1) A Board-regulated institution must treat an equity derivative contract as an equity exposure and compute a risk-weighted asset amount for the equity derivative contract under §§ 217.51 through 217.53 (unless the Board-regulated institution is treating the contract as a covered position under subpart F of this part).

(2) In addition, the Board-regulated institution must also calculate a risk-based capital requirement for the counterparty credit risk of an equity derivative contract under this section if the Board-regulated institution is treating the contract as a covered position under subpart F of this part.

(3) If the Board-regulated institution risk weights the contract under the Simple Risk-Weight Approach (SRWA) in § 217.52, the Board-regulated institution may choose not to hold risk-based capital against the counterparty credit

risk of the equity derivative contract, as long as it does so for all such contracts. Where the equity derivative contracts are subject to a qualified master netting agreement, a Board-regulated institution using the SRWA must either include all or exclude all of the contracts from any measure used to determine counterparty credit risk exposure.

(f) *Clearing member Board-regulated institution's exposure amount.* The exposure amount of a clearing member Board-regulated institution using CEM under paragraph (b) of this section for a client-facing derivative transaction or netting set of client-facing derivative transactions equals the exposure amount calculated according to paragraph (b)(1) or (2) of this section multiplied by the scaling factor the square root of $\frac{1}{2}$ (which equals 0.707107). If the Board-regulated institution determines that a longer period is appropriate, the Board-regulated institution must use a larger scaling factor to adjust for a longer holding period as follows:

$$\text{Scaling factor} = \sqrt{\frac{H}{10}}$$

Where H = the holding period greater than or equal to five days.

Additionally, the Board may require the Board-regulated institution to set a longer holding period if the Board determines that a longer period is appropriate due to the nature, structure, or characteristics of the transaction or is commensurate with the risks associated with the transaction.

[Reg. Q, 85 FR 4417, Jan. 24, 2020]

§ 217.35 Cleared transactions.

(a) *General requirements*—(1) *Clearing member clients.* A Board-regulated institution that is a clearing member client must use the methodologies described in paragraph (b) of this section to calculate risk-weighted assets for a cleared transaction.

(2) *Clearing members.* A Board-regulated institution that is a clearing member must use the methodologies

described in paragraph (c) of this section to calculate its risk-weighted assets for a cleared transaction and paragraph (d) of this section to calculate its risk-weighted assets for its default fund contribution to a CCP.

(3) *Alternate requirements.* Notwithstanding any other provision of this section, an advanced approaches Board-regulated institution or a Board-regulated institution that is not an advanced approaches Board-regulated institution and that has elected to use SA-CCR under § 217.34(a)(1) must apply § 217.133 to its derivative contracts that are cleared transactions rather than this section.

(b) *Clearing member client Board-regulated institutions*—(1) *Risk-weighted assets for cleared transactions.* (i) To determine the risk-weighted asset amount for a cleared transaction, a Board-regulated institution that is a clearing

member client must multiply the trade exposure amount for the cleared transaction, calculated in accordance with paragraph (b)(2) of this section, by the risk weight appropriate for the cleared transaction, determined in accordance with paragraph (b)(3) of this section.

(ii) A clearing member client Board-regulated institution's total risk-weighted assets for cleared transactions is the sum of the risk-weighted asset amounts for all its cleared transactions.

(2) *Trade exposure amount.* (i) For a cleared transaction that is either a derivative contract or a netting set of derivative contracts, the trade exposure amount equals:

(A) The exposure amount for the derivative contract or netting set of derivative contracts, calculated using the methodology used to calculate exposure amount for OTC derivative contracts under § 217.34; plus

(B) The fair value of the collateral posted by the clearing member client Board-regulated institution and held by the CCP, clearing member, or custodian in a manner that is not bankruptcy remote.

(ii) For a cleared transaction that is a repo-style transaction or netting set of repo-style transactions, the trade exposure amount equals:

(A) The exposure amount for the repo-style transaction calculated using the methodologies under § 217.37(c); plus

(B) The fair value of the collateral posted by the clearing member client Board-regulated institution and held by the CCP, clearing member, or custodian in a manner that is not bankruptcy remote.

(3) *Cleared transaction risk weights.* (i) For a cleared transaction with a QCCP, a clearing member client Board-regulated institution must apply a risk weight of:

(A) 2 percent if the collateral posted by the Board-regulated institution to the QCCP or clearing member is subject to an arrangement that prevents any losses to the clearing member client Board-regulated institution due to the joint default or a concurrent insolvency, liquidation, or receivership proceeding of the clearing member and any other clearing member clients of

the clearing member; and the clearing member client Board-regulated institution has conducted sufficient legal review to conclude with a well-founded basis (and maintains sufficient written documentation of that legal review) that in the event of a legal challenge (including one resulting from an event of default or from liquidation, insolvency, or receivership proceedings) the relevant court and administrative authorities would find the arrangements to be legal, valid, binding and enforceable under the law of the relevant jurisdictions; or

(B) 4 percent if the requirements of § 217.35(b)(3)(A) are not met.

(ii) For a cleared transaction with a CCP that is not a QCCP, a clearing member client Board-regulated institution must apply the risk weight appropriate for the CCP according to this subpart D.

(4) *Collateral.* (i) Notwithstanding any other requirements in this section, collateral posted by a clearing member client Board-regulated institution that is held by a custodian (in its capacity as custodian) in a manner that is bankruptcy remote from the CCP, clearing member, and other clearing member clients of the clearing member, is not subject to a capital requirement under this section.

(ii) A clearing member client Board-regulated institution must calculate a risk-weighted asset amount for any collateral provided to a CCP, clearing member, or custodian in connection with a cleared transaction in accordance with the requirements under this subpart D.

(c) *Clearing member Board-regulated institutions—(1) Risk-weighted assets for cleared transactions.*

(i) To determine the risk-weighted asset amount for a cleared transaction, a clearing member Board-regulated institution must multiply the trade exposure amount for the cleared transaction, calculated in accordance with paragraph (c)(2) of this section, by the risk weight appropriate for the cleared transaction, determined in accordance with paragraph (c)(3) of this section.

(ii) A clearing member Board-regulated institution's total risk-weighted assets for cleared transactions is the sum of the risk-weighted asset

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amounts for all of its cleared transactions.

(2) *Trade exposure amount.* A clearing member Board-regulated institution must calculate its trade exposure amount for a cleared transaction as follows:

(i) For a cleared transaction that is either a derivative contract or a netting set of derivative contracts, the trade exposure amount equals:

(A) The exposure amount for the derivative contract, calculated using the methodology to calculate exposure amount for OTC derivative contracts under § 217.34; plus

(B) The fair value of the collateral posted by the clearing member Board-regulated institution and held by the CCP in a manner that is not bankruptcy remote.

(ii) For a cleared transaction that is a repo-style transaction or netting set of repo-style transactions, trade exposure amount equals:

(A) The exposure amount for repo-style transactions calculated using methodologies under § 217.37(c); plus

(B) The fair value of the collateral posted by the clearing member Board-regulated institution and held by the CCP in a manner that is not bankruptcy remote.

(3) *Cleared transaction risk weight.* (i) A clearing member Board-regulated institution must apply a risk weight of 2 percent to the trade exposure amount for a cleared transaction with a QCCP.

(ii) For a cleared transaction with a CCP that is not a QCCP, a clearing member Board-regulated institution must apply the risk weight appropriate for the CCP according to this subpart D.

(iii) Notwithstanding paragraphs (c)(3)(i) and (ii) of this section, a clearing member Board-regulated institution may apply a risk weight of zero percent to the trade exposure amount for a cleared transaction with a CCP where the clearing member Board-regulated institution is acting as a financial intermediary on behalf of a clearing member client, the transaction offsets another transaction that satisfies the requirements set forth in § 217.3(a), and the clearing member Board-regulated institution is not obligated to re-

imburse the clearing member client in the event of the CCP default.

(4) *Collateral.* (i) Notwithstanding any other requirement in this section, collateral posted by a clearing member Board-regulated institution that is held by a custodian in a manner that is bankruptcy remote from the CCP is not subject to a capital requirement under this section.

(ii) A clearing member Board-regulated institution must calculate a risk-weighted asset amount for any collateral provided to a CCP, clearing member, or a custodian in connection with a cleared transaction in accordance with requirements under this subpart D.

(d) *Default fund contributions*—(1) *General requirement.* A clearing member Board-regulated institution must determine the risk-weighted asset amount for a default fund contribution to a CCP at least quarterly, or more frequently if, in the opinion of the Board-regulated institution or the Board, there is a material change in the financial condition of the CCP.

(2) *Risk-weighted asset amount for default fund contributions to non-qualifying CCPs.* A clearing member Board-regulated institution's risk-weighted asset amount for default fund contributions to CCPs that are not QCCPs equals the sum of such default fund contributions multiplied by 1,250 percent, or an amount determined by the Board, based on factors such as size, structure and membership characteristics of the CCP and riskiness of its transactions, in cases where such default fund contributions may be unlimited.

(3) *Risk-weighted asset amount for default fund contributions to QCCPs.* A clearing member Board-regulated institution's risk-weighted asset amount for default fund contributions to QCCPs equals the sum of its capital requirement, K_{CM} for each QCCP, as calculated under the methodology set forth in paragraphs (d)(3)(i) through (iii) of this section (Method 1), multiplied by 1,250 percent or in paragraphs (d)(3)(iv) of this section (Method 2).

(i) *Method 1.* The hypothetical capital requirement of a QCCP (K_{CCP}) equals:

$$K_{CCP} = \sum_{\text{clearing member } i} \max (EBRM_i - VM_i - IM_i - DF_i; 0) \times RW \times 0.08$$

Where:

(A) $EBRM_i$ = the exposure amount for each transaction cleared through the QCCP by clearing member i , calculated in accordance with § 217.34 for OTC derivative contracts and § 217.37(c)(2) for repo-style transactions, provided that:

(1) For purposes of this section, in calculating the exposure amount the Board-regulated institution may replace the formula provided in § 217.34(a)(2)(ii) with the following: $Anet = (0.15 \times Agross) + (0.85 \times NGR \times Agross)$; and

(2) For option derivative contracts that are cleared transactions, the PFE described in § 217.34(a)(1)(ii) must be adjusted by multiplying the notional principal amount of the derivative contract by the appropriate conversion factor in Table 1 to § 217.34 and the absolute value of the option's delta, that is, the ratio of the change in the value of the derivative contract to the corresponding change in the price of the underlying asset.

(3) For repo-style transactions, when applying § 217.37(c)(2), the Board-regulated institution must use the methodology in § 217.37(c)(3);

(B) VM_i = any collateral posted by clearing member i to the QCCP that it

is entitled to receive from the QCCP, but has not yet received, and any collateral that the QCCP has actually received from clearing member i ;

(C) IM_i = the collateral posted as initial margin by clearing member i to the QCCP;

(D) DF_i = the funded portion of clearing member i 's default fund contribution that will be applied to reduce the QCCP's loss upon a default by clearing member i ;

(E) RW = 20 percent, except when the Board has determined that a higher risk weight is more appropriate based on the specific characteristics of the QCCP and its clearing members; and

(F) Where a QCCP has provided its K_{CCP} , a Board-regulated institution must rely on such disclosed figure instead of calculating K_{CCP} under this paragraph (d), unless the Board-regulated institution determines that a more conservative figure is appropriate based on the nature, structure, or characteristics of the QCCP.

(ii) For a Board-regulated institution that is a clearing member of a QCCP with a default fund supported by funded commitments, K_{CM} equals:

$$K_{CM_i} = \left(1 + \beta \cdot \frac{N}{N-2}\right) \cdot \frac{DF_i}{DF_{CM}} \cdot K_{CM}^*$$

$$K_{CM}^* = \begin{cases} c_2 \cdot \mu \cdot (K_{CCP} - DF') + c_2 \cdot DF'_{CM} & \text{if } DF' < K_{CCP} & (i) \\ c_2 \cdot (K_{CCP} - DF_{CCP}) + c_1 \cdot (DF' - K_{CCP}) & \text{if } DF_{CCP} < K_{CCP} \leq DF' & (ii) \\ c_1 \cdot DF'_{CM} & \text{if } K_{CCP} \leq DF_{CCP} & (iii) \end{cases}$$

Where

$$(A) \quad \beta = \frac{A_{Net,1} + A_{Net,2}}{\sum_i A_{Net,i}}$$

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Subscripts 1 and 2 denote the clearing members with the two largest A_{Net} values. For purposes of this paragraph (d), for derivatives A_{Net} is defined in § 217.34(a)(2)(ii) and for repo-style transactions, A_{Net} means the exposure amount as defined in § 217.37(c)(2) using the methodology in § 217.37(c)(3);

(B) N = the number of clearing members in the QCCP;

(C) DF_{CCP} = the QCCP's own funds and other financial resources that

would be used to cover its losses before clearing members' default fund contributions are used to cover losses;

(D) DF_{CM} = funded default fund contributions from all clearing members and any other clearing member contributed financial resources that are available to absorb mutualized QCCP losses;

(E) DF = $DF_{\text{CCP}} + DF_{\text{CM}}$ (that is, the total funded default fund contribution);

(F) \overline{DF}_i = average \overline{DF}_i = the average funded default fund contribution from an individual clearing member;

(G) $DF'_{CM} = DF_{CM} - 2 \cdot \overline{DF}_i = \sum_i DF_i - 2 \cdot \overline{DF}_i$ (that is, the funded default fund contribution from surviving clearing members assuming that two average clearing members have defaulted and their default fund contributions and initial margins have been used to absorb the resulting losses);

$$(H) DF' = DF_{CCP} + DF'_{CM} = DF - 2 \cdot \overline{DF}_i$$

(that is, the total funded default fund contributions from the QCCP and the surviving clearing members that are available to mutualize losses, assuming that two average clearing members have defaulted);

$$(I) c_1 = \text{Max} \left\{ \frac{1.6\%}{(DF'/K_{CCP})^{0.3}}, 0.16\% \right\}$$

(that is, a decreasing capital factor, between 1.6 percent and 0.16 percent, applied to the excess funded default funds provided by clearing members);

(J) $c_2 = 100$ percent; and

(K) $\mu = 1.2$;

(iii) (A) For a [BANK] that is a clearing member of a QCCP with a default fund supported by unfunded commitments, K_{CM} equals:

$$K_{CM_i} = \frac{DF_i}{DF_{CM}} \cdot K_{CM}^*$$

Where:

(1) DF_i = the Board-regulated institution's unfunded commitment to the default fund;

(2) DF_{CM} = the total of all clearing members' unfunded commitment to the default fund; and

(3) K_{CM}^* as defined in paragraph (d)(3)(ii) of this section.

(B) For a Board-regulated institution that is a clearing member of a QCCP with a default fund supported by unfunded commitments and is unable to calculate K_{CM} using the methodology described in paragraph (d)(3)(iii) of this section, K_{CM} equals:

$$K_{CM_i} = \frac{IM_i}{IM_{CM}} \cdot K_{CM}^*$$

Where:

(1) IM_i = the Board-regulated institution's initial margin posted to the QCCP;

(2) IM_{CM} = the total of initial margin posted to the QCCP; and

(3) K_{CM}^* as defined in paragraph (d)(3)(ii) of this section.

(iv) *Method 2.* A clearing member Board-regulated institution's risk-weighted asset amount for its default fund contribution to a QCCP, RWA_{DF} , equals:

$$RWA_{DF} = \text{Min} \{12.5 * DF; 0.18 * TE\}$$

Where:

(A) TE = the Board-regulated institution's trade exposure amount to the QCCP, calculated according to section 35(c)(2);

(B) DF = the funded portion of the Board-regulated institution's default fund contribution to the QCCP.

(4) *Total risk-weighted assets for default fund contributions.* Total risk-weighted assets for default fund contributions is the sum of a clearing member Board-regulated institution's risk-weighted assets for all of its default fund contributions to all CCPs of which the Board-regulated institution is a clearing member.

[Reg. Q, 78 FR 62157, Oct. 11, 2013, as amended at 84 FR 35266, July 22, 2019; 85 FR 4419, Jan. 24, 2020]

§ 217.36 Guarantees and credit derivatives: substitution treatment.

(a) *Scope*—(1) *General.* A Board-regulated institution may recognize the credit risk mitigation benefits of an eligible guarantee or eligible credit derivative by substituting the risk weight associated with the protection provider for the risk weight assigned to an exposure, as provided under this section.

(2) This section applies to exposures for which:

(i) Credit risk is fully covered by an eligible guarantee or eligible credit derivative; or

(ii) Credit risk is covered on a pro rata basis (that is, on a basis in which the Board-regulated institution and the protection provider share losses proportionately) by an eligible guarantee or eligible credit derivative.

(3) Exposures on which there is a tranching of credit risk (reflecting at least two different levels of seniority) generally are securitization exposures subject to §§ 217.41 through 217.45.

(4) If multiple eligible guarantees or eligible credit derivatives cover a single exposure described in this section, a Board-regulated institution may treat the hedged exposure as multiple separate exposures each covered by a single eligible guarantee or eligible credit derivative and may calculate a separate risk-weighted asset amount for each separate exposure as described in paragraph (c) of this section.

(5) If a single eligible guarantee or eligible credit derivative covers multiple hedged exposures described in paragraph (a)(2) of this section, a Board-regulated institution must treat each hedged exposure as covered by a separate eligible guarantee or eligible credit derivative and must calculate a separate risk-weighted asset amount for each exposure as described in paragraph (c) of this section.

(b) *Rules of recognition.* (1) A Board-regulated institution may only recognize the credit risk mitigation benefits of eligible guarantees and eligible credit derivatives.

(2) A Board-regulated institution may only recognize the credit risk mitigation benefits of an eligible credit derivative to hedge an exposure that is different from the credit derivative's reference exposure used for determining the derivative's cash settlement value, deliverable obligation, or occurrence of a credit event if:

(i) The reference exposure ranks *pari passu* with, or is subordinated to, the hedged exposure; and

(ii) The reference exposure and the hedged exposure are to the same legal entity, and legally enforceable cross-

default or cross-acceleration clauses are in place to ensure payments under the credit derivative are triggered when the obligated party of the hedged exposure fails to pay under the terms of the hedged exposure.

(c) *Substitution approach*—(1) *Full coverage*. If an eligible guarantee or eligible credit derivative meets the conditions in paragraphs (a) and (b) of this section and the protection amount (P) of the guarantee or credit derivative is greater than or equal to the exposure amount of the hedged exposure, a Board-regulated institution may recognize the guarantee or credit derivative in determining the risk-weighted asset amount for the hedged exposure by substituting the risk weight applicable to the guarantor or credit derivative protection provider under this subpart D for the risk weight assigned to the exposure.

(2) *Partial coverage*. If an eligible guarantee or eligible credit derivative meets the conditions in paragraphs (a) and (b) of this section and the protection amount (P) of the guarantee or credit derivative is less than the exposure amount of the hedged exposure, the Board-regulated institution must treat the hedged exposure as two separate exposures (protected and unprotected) in order to recognize the credit risk mitigation benefit of the guarantee or credit derivative.

(i) The Board-regulated institution may calculate the risk-weighted asset amount for the protected exposure under this subpart D, where the applicable risk weight is the risk weight applicable to the guarantor or credit derivative protection provider.

(ii) The Board-regulated institution must calculate the risk-weighted asset amount for the unprotected exposure under this subpart D, where the applicable risk weight is that of the unprotected portion of the hedged exposure.

(iii) The treatment provided in this section is applicable when the credit risk of an exposure is covered on a partial pro rata basis and may be applicable when an adjustment is made to the effective notional amount of the guarantee or credit derivative under paragraphs (d), (e), or (f) of this section.

(d) *Maturity mismatch adjustment*. (1) A Board-regulated institution that recognizes an eligible guarantee or eligible credit derivative in determining the risk-weighted asset amount for a hedged exposure must adjust the effective notional amount of the credit risk mitigant to reflect any maturity mismatch between the hedged exposure and the credit risk mitigant.

(2) A maturity mismatch occurs when the residual maturity of a credit risk mitigant is less than that of the hedged exposure(s).

(3) The residual maturity of a hedged exposure is the longest possible remaining time before the obligated party of the hedged exposure is scheduled to fulfil its obligation on the hedged exposure. If a credit risk mitigant has embedded options that may reduce its term, the Board-regulated institution (protection purchaser) must use the shortest possible residual maturity for the credit risk mitigant.

If a call is at the discretion of the protection provider, the residual maturity of the credit risk mitigant is at the first call date. If the call is at the discretion of the Board-regulated institution (protection purchaser), but the terms of the arrangement at origination of the credit risk mitigant contain a positive incentive for the Board-regulated institution to call the transaction before contractual maturity, the remaining time to the first call date is the residual maturity of the credit risk mitigant.

(4) A credit risk mitigant with a maturity mismatch may be recognized only if its original maturity is greater than or equal to one year and its residual maturity is greater than three months.

(5) When a maturity mismatch exists, the Board-regulated institution must apply the following adjustment to reduce the effective notional amount of the credit risk mitigant: $P_m = E \times (t - 0.25) / (T - 0.25)$, where:

(i) P_m = effective notional amount of the credit risk mitigant, adjusted for maturity mismatch;

(ii) E = effective notional amount of the credit risk mitigant;

(iii) t = the lesser of T or the residual maturity of the credit risk mitigant, expressed in years; and

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(iv) T = the lesser of five or the residual maturity of the hedged exposure, expressed in years.

(e) *Adjustment for credit derivatives without restructuring as a credit event.* If a Board-regulated institution recognizes an eligible credit derivative that does not include as a credit event a restructuring of the hedged exposure involving forgiveness or postponement of principal, interest, or fees that results in a credit loss event (that is, a charge-off, specific provision, or other similar debit to the profit and loss account), the Board-regulated institution must apply the following adjustment to reduce the effective notional amount of the credit derivative: $Pr = Pm \times 0.60$, where:

(1) Pr = effective notional amount of the credit risk mitigant, adjusted for lack of restructuring event (and maturity mismatch, if applicable); and

(2) Pm = effective notional amount of the credit risk mitigant (adjusted for maturity mismatch, if applicable).

(f) *Currency mismatch adjustment.* (1) If a Board-regulated institution recognizes an eligible guarantee or eligible credit derivative that is denominated in a currency different from that in which the hedged exposure is denominated, the Board-regulated institution must apply the following formula to

the effective notional amount of the guarantee or credit derivative: $Pc = Pr \times (1 - H_{FX})$, where:

(i) Pc = effective notional amount of the credit risk mitigant, adjusted for currency mismatch (and maturity mismatch and lack of restructuring event, if applicable);

(ii) Pr = effective notional amount of the credit risk mitigant (adjusted for maturity mismatch and lack of restructuring event, if applicable); and

(iii) H_{FX} = haircut appropriate for the currency mismatch between the credit risk mitigant and the hedged exposure.

(2) A Board-regulated institution must set H_{FX} equal to eight percent unless it qualifies for the use of and uses its own internal estimates of foreign exchange volatility based on a ten-business-day holding period. A Board-regulated institution qualifies for the use of its own internal estimates of foreign exchange volatility if it qualifies for the use of its own estimates haircuts in § 217.37(c)(4).

(3) A Board-regulated institution must adjust H_{FX} calculated in paragraph (f)(2) of this section upward if the Board-regulated institution revalues the guarantee or credit derivative less frequently than once every 10 business days using the following square root of time formula:

$$H_{FX} = 8\% \sqrt{\frac{T_M}{10}}, \text{ where } T_M \text{ equals the greater of 10 or the number of days between}$$

reevaluation.

[Reg. Q, 78 FR 62157, Oct. 11, 2013, as amended at 84 FR 35266, July 22, 2019]

§ 217.37 Collateralized transactions.

(a) *General.* (1) To recognize the risk-mitigating effects of financial collateral, a Board-regulated institution may use:

(i) The simple approach in paragraph (b) of this section for any exposure; or

(ii) The collateral haircut approach in paragraph (c) of this section for repo-style transactions, eligible margin loans, collateralized derivative con-

tracts, and single-product netting sets of such transactions.

(2) A Board-regulated institution may use any approach described in this section that is valid for a particular type of exposure or transaction; however, it must use the same approach for similar exposures or transactions.

(b) *The simple approach.*—(1) *General requirements.* (i) A Board-regulated institution may recognize the credit risk mitigation benefits of financial collateral that secures any exposure.

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(ii) To qualify for the simple approach, the financial collateral must meet the following requirements:

(A) The collateral must be subject to a collateral agreement for at least the life of the exposure;

(B) The collateral must be revalued at least every six months; and

(C) The collateral (other than gold) and the exposure must be denominated in the same currency.

(2) *Risk weight substitution.* (i) A Board-regulated institution may apply a risk weight to the portion of an exposure that is secured by the fair value of financial collateral (that meets the requirements of paragraph (b)(1) of this section) based on the risk weight assigned to the collateral under this subpart D. For repurchase agreements, reverse repurchase agreements, and securities lending and borrowing transactions, the collateral is the instruments, gold, and cash the Board-regulated institution has borrowed, purchased subject to resale, or taken as collateral from the counterparty under the transaction. Except as provided in paragraph (b)(3) of this section, the risk weight assigned to the collateralized portion of the exposure may not be less than 20 percent.

(ii) A Board-regulated institution must apply a risk weight to the unsecured portion of the exposure based on the risk weight applicable to the exposure under this subpart.

(3) *Exceptions to the 20 percent risk-weight floor and other requirements.* Notwithstanding paragraph (b)(2)(i) of this section:

(i) A Board-regulated institution may assign a zero percent risk weight to an exposure to an OTC derivative contract that is marked-to-market on a daily basis and subject to a daily margin maintenance requirement, to the extent the contract is collateralized by cash on deposit.

(ii) A Board-regulated institution may assign a 10 percent risk weight to an exposure to an OTC derivative contract that is marked-to-market daily and subject to a daily margin maintenance requirement, to the extent that the contract is collateralized by an exposure to a sovereign that qualifies for a zero percent risk weight under §217.32.

(iii) A Board-regulated institution may assign a zero percent risk weight to the collateralized portion of an exposure where:

(A) The financial collateral is cash on deposit; or

(B) The financial collateral is an exposure to a sovereign that qualifies for a zero percent risk weight under §217.32, and the Board-regulated institution has discounted the fair value of the collateral by 20 percent.

(c) *Collateral haircut approach*—(1) *General.* A Board-regulated institution may recognize the credit risk mitigation benefits of financial collateral that secures an eligible margin loan, repo-style transaction, collateralized derivative contract, or single-product netting set of such transactions, and of any collateral that secures a repo-style transaction that is included in the Board-regulated institution's VaR-based measure under subpart F of this part by using the collateral haircut approach in this section. A Board-regulated institution may use the standard supervisory haircuts in paragraph (c)(3) of this section or, with prior written approval of the Board, its own estimates of haircuts according to paragraph (c)(4) of this section.

(2) *Exposure amount equation.* A Board-regulated institution must determine the exposure amount for an eligible margin loan, repo-style transaction, collateralized derivative contract, or a single-product netting set of such transactions by setting the exposure amount equal to $\max \{0, [(\Sigma E - \Sigma C) + \Sigma(Es \times Hs) + \Sigma(Efx \times Hfx)]\}$, where:

(i)(A) For eligible margin loans and repo-style transactions and netting sets thereof, ΣE equals the value of the exposure (the sum of the current fair values of all instruments, gold, and cash the Board-regulated institution has lent, sold subject to repurchase, or posted as collateral to the counterparty under the transaction (or netting set)); and

(B) For collateralized derivative contracts and netting sets thereof, ΣE equals the exposure amount of the OTC derivative contract (or netting set) calculated under §217.34(b)(1) or (2).

(ii) ΣC equals the value of the collateral (the sum of the current fair values of all instruments, gold and cash the

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Board-regulated institution has borrowed, purchased subject to resale, or taken as collateral from the counterparty under the transaction (or netting set));

(iii) Es equals the absolute value of the net position in a given instrument or in gold (where the net position in the instrument or gold equals the sum of the current fair values of the instrument or gold the Board-regulated institution has lent, sold subject to repurchase, or posted as collateral to the counterparty minus the sum of the current fair values of that same instrument or gold the Board-regulated institution has borrowed, purchased subject to resale, or taken as collateral from the counterparty);

(iv) Hs equals the market price volatility haircut appropriate to the instrument or gold referenced in Es;

(v) Efx equals the absolute value of the net position of instruments and cash in a currency that is different

from the settlement currency (where the net position in a given currency equals the sum of the current fair values of any instruments or cash in the currency the Board-regulated institution has lent, sold subject to repurchase, or posted as collateral to the counterparty minus the sum of the current fair values of any instruments or cash in the currency the Board-regulated institution has borrowed, purchased subject to resale, or taken as collateral from the counterparty); and

(vi) Hfx equals the haircut appropriate to the mismatch between the currency referenced in Efx and the settlement currency.

(3) *Standard supervisory haircuts.* (i) A Board-regulated institution must use the haircuts for market price volatility (Hs) provided in Table 1 to § 217.37, as adjusted in certain circumstances in accordance with the requirements of paragraphs (c)(3)(iii) and (iv) of this section.

TABLE 1 TO § 217.37—STANDARD SUPERVISORY MARKET PRICE VOLATILITY HAIRCUTS ¹

Residual maturity	Haircut (in percent) assigned based on:						Investment grade securitization exposures (in percent)
	Sovereign issuers risk weight under § 217.32 (in percent) ²			Non-sovereign issuers risk weight under § 217.32 (in percent)			
	Zero	20 or 50	100	20	50	100	
Less than or equal to 1 year	0.5	1.0	15.0	1.0	2.0	4.0	4.0
Greater than 1 year and less than or equal to 5 years	2.0	3.0	15.0	4.0	6.0	8.0	12.0
Greater than 5 years	4.0	6.0	15.0	8.0	12.0	16.0	24.0
Main index equities (including convertible bonds) and gold				15.0			
Other publicly traded equities (including convertible bonds)				25.0			
Mutual funds				Highest haircut applicable to any security in which the fund can invest.			
Cash collateral held				Zero.			
Other exposure types				25.0			

¹ The market price volatility haircuts in Table 1 to § 217.37 are based on a 10 business-day holding period.

² Includes a foreign PSE that receives a zero percent risk weight.

(ii) For currency mismatches, a Board-regulated institution must use a haircut for foreign exchange rate volatility (Hfx) of 8.0 percent, as adjusted in certain circumstances under paragraphs (c)(3)(iii) and (iv) of this section.

(iii) For repo-style transactions and client-facing derivative transactions, a Board-regulated institution may multiply the standard supervisory haircuts

provided in paragraphs (c)(3)(i) and (ii) of this section by the square root of $\frac{1}{2}$ (which equals 0.707107). For client-facing derivative transactions, if a larger scaling factor is applied under § 217.34(f), the same factor must be used to adjust the supervisory haircuts.

(iv) If the number of trades in a netting set exceeds 5,000 at any time during a quarter, a Board-regulated institution must adjust the supervisory

haircuts provided in paragraphs (c)(3)(i) and (ii) of this section upward on the basis of a holding period of twenty business days for the following quarter except in the calculation of the exposure amount for purposes of §217.35. If a netting set contains one or more trades involving illiquid collateral or an OTC derivative that cannot be easily replaced, a Board-regulated institution must adjust the supervisory haircuts upward on the basis of a holding period of twenty business days. If

over the two previous quarters more than two margin disputes on a netting set have occurred that lasted more than the holding period, then the Board-regulated institution must adjust the supervisory haircuts upward for that netting set on the basis of a holding period that is at least two times the minimum holding period for that netting set. A Board-regulated institution must adjust the standard supervisory haircuts upward using the following formula:

$$H_A = H_S \sqrt{\frac{T_M}{T_S}}, \text{ where}$$

(A) T_M equals a holding period of longer than 10 business days for eligible margin loans and derivative contracts other than client-facing derivative transactions or longer than 5 business days for repo-style transactions and client-facing derivative transactions;

(B) H_S equals the standard supervisory haircut; and

(C) T_S equals 10 business days for eligible margin loans and derivative contracts other than client-facing derivative transactions or 5 business days for repo-style transactions and client-facing derivative transactions.

(v) If the instrument a Board-regulated institution has lent, sold subject to repurchase, or posted as collateral does not meet the definition of financial collateral, the Board-regulated institution must use a 25.0 percent haircut for market price volatility (H_S).

(4) *Own internal estimates for haircuts.* With the prior written approval of the Board, a Board-regulated institution may calculate haircuts (H_S and H_{fx})

using its own internal estimates of the volatilities of market prices and foreign exchange rates:

(i) To receive Board approval to use its own internal estimates, a Board-regulated institution must satisfy the following minimum standards:

(A) A Board-regulated institution must use a 99th percentile one-tailed confidence interval.

(B) The minimum holding period for a repo-style transaction and client-facing derivative transaction is five business days and for an eligible margin loan and a derivative contract other than a client-facing derivative transaction is ten business days except for transactions or netting sets for which paragraph (c)(4)(i)(C) of this section applies. When a Board-regulated institution calculates an own-estimates haircut on a T_N -day holding period, which is different from the minimum holding period for the transaction type, the applicable haircut (H_M) is calculated using the following square root of time formula:

$$H_M = H_N \sqrt{\frac{T_M}{T_N}}, \text{ where}$$

(1) T_M equals 5 for repo-style transactions and client-facing derivative transactions and 10 for eligible margin

loans and derivative contracts other than client-facing derivative transactions;

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(2) T_N equals the holding period used by the Board-regulated institution to derive H_N ; and

(3) H_N equals the haircut based on the holding period T_N .

(C) If the number of trades in a netting set exceeds 5,000 at any time during a quarter, a Board-regulated institution must calculate the haircut using a minimum holding period of twenty business days for the following quarter except in the calculation of the exposure amount for purposes of § 217.35. If a netting set contains one or more trades involving illiquid collateral or an OTC derivative that cannot be easily replaced, a Board-regulated institution must calculate the haircut using a minimum holding period of twenty business days. If over the two previous quarters more than two margin disputes on a netting set have occurred that lasted more than the holding period, then the Board-regulated institution must calculate the haircut for transactions in that netting set on the basis of a holding period that is at least two times the minimum holding period for that netting set.

(D) A Board-regulated institution is required to calculate its own internal estimates with inputs calibrated to historical data from a continuous 12-month period that reflects a period of significant financial stress appropriate to the security or category of securities.

(E) A Board-regulated institution must have policies and procedures that describe how it determines the period of significant financial stress used to calculate the Board-regulated institution's own internal estimates for haircuts under this section and must be able to provide empirical support for the period used. The Board-regulated institution must obtain the prior approval of the Board for, and notify the Board if the Board-regulated institution makes any material changes to, these policies and procedures.

(F) Nothing in this section prevents the Board from requiring a Board-regulated institution to use a different period of significant financial stress in the calculation of own internal estimates for haircuts.

(G) A Board-regulated institution must update its data sets and calculate

haircuts no less frequently than quarterly and must also reassess data sets and haircuts whenever market prices change materially.

(ii) With respect to debt securities that are investment grade, a Board-regulated institution may calculate haircuts for categories of securities. For a category of securities, the Board-regulated institution must calculate the haircut on the basis of internal volatility estimates for securities in that category that are representative of the securities in that category that the Board-regulated institution has lent, sold subject to repurchase, posted as collateral, borrowed, purchased subject to resale, or taken as collateral. In determining relevant categories, the Board-regulated institution must at a minimum take into account:

- (A) The type of issuer of the security;
- (B) The credit quality of the security;
- (C) The maturity of the security; and
- (D) The interest rate sensitivity of the security.

(iii) With respect to debt securities that are not investment grade and equity securities, a Board-regulated institution must calculate a separate haircut for each individual security.

(iv) Where an exposure or collateral (whether in the form of cash or securities) is denominated in a currency that differs from the settlement currency, the Board-regulated institution must calculate a separate currency mismatch haircut for its net position in each mismatched currency based on estimated volatilities of foreign exchange rates between the mismatched currency and the settlement currency.

(v) A Board-regulated institution's own estimates of market price and foreign exchange rate volatilities may not take into account the correlations among securities and foreign exchange rates on either the exposure or collateral side of a transaction (or netting set) or the correlations among securities and foreign exchange rates between the exposure and collateral sides of the transaction (or netting set).

[Reg. Q, 78 FR 62157, Oct. 11, 2013, as amended at 84 FR 35266, July 22, 2019; 85 FR 4419, Jan. 24, 2020; 85 FR 57961, Sept. 17, 2020]

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RISK-WEIGHTED ASSETS FOR UNSETTLED TRANSACTIONS

§ 217.38 Unsettled transactions.

(a) *Definitions.* For purposes of this section:

(1) *Delivery-versus-payment (DvP)* transaction means a securities or commodities transaction in which the buyer is obligated to make payment only if the seller has made delivery of the securities or commodities and the seller is obligated to deliver the securities or commodities only if the buyer has made payment.

(2) *Payment-versus-payment (PvP)* transaction means a foreign exchange transaction in which each counterparty is obligated to make a final transfer of one or more currencies only if the other counterparty has made a final transfer of one or more currencies.

(3) A transaction has a normal settlement period if the contractual settlement period for the transaction is equal to or less than the market standard for the instrument underlying the transaction and equal to or less than five business days.

(4) Positive current exposure of a Board-regulated institution for a transaction is the difference between the transaction value at the agreed settlement price and the current market price of the transaction, if the difference results in a credit exposure of the Board-regulated institution to the counterparty.

(b) *Scope.* This section applies to all transactions involving securities, foreign exchange instruments, and commodities that have a risk of delayed settlement or delivery. This section does not apply to:

(1) Cleared transactions that are marked-to-market daily and subject to daily receipt and payment of variation margin;

(2) Repo-style transactions, including unsettled repo-style transactions;

(3) One-way cash payments on OTC derivative contracts; or

(4) Transactions with a contractual settlement period that is longer than the normal settlement period (which are treated as OTC derivative contracts as provided in § 217.34).

(c) *System-wide failures.* In the case of a system-wide failure of a settlement, clearing system or central counterparty, the Board may waive risk-based capital requirements for unsettled and failed transactions until the situation is rectified.

(d) *Delivery-versus-payment (DvP) and payment-versus-payment (PvP) transactions.* A Board-regulated institution must hold risk-based capital against any DvP or PvP transaction with a normal settlement period if the Board-regulated institution's counterparty has not made delivery or payment within five business days after the settlement date. The Board-regulated institution must determine its risk-weighted asset amount for such a transaction by multiplying the positive current exposure of the transaction for the Board-regulated institution by the appropriate risk weight in Table 1 to § 217.38.

TABLE 1 TO § 217.38—RISK WEIGHTS FOR UNSETTLED DVP AND PvP TRANSACTIONS

Number of business days after contractual settlement date	Risk weight to be applied to positive current exposure (in percent)
From 5 to 15	100.0
From 16 to 30	625.0
From 31 to 45	937.5
46 or more	1,250.0

(e) *Non-DvP/non-PvP (non-delivery-versus-payment/non-payment-versus-payment) transactions.* (1) A Board-regulated institution must hold risk-based capital against any non-DvP/non-PvP transaction with a normal settlement period if the Board-regulated institution has delivered cash, securities, commodities, or currencies to its counterparty but has not received its corresponding deliverables by the end of the same business day. The Board-regulated institution must continue to hold risk-based capital against the transaction until the Board-regulated institution has received its corresponding deliverables.

(2) From the business day after the Board-regulated institution has made its delivery until five business days after the counterparty delivery is due, the Board-regulated institution must calculate the risk-weighted asset

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amount for the transaction by treating the current fair value of the deliverables owed to the Board-regulated institution as an exposure to the counterparty and using the applicable counterparty risk weight under this subpart D.

(3) If the Board-regulated institution has not received its deliverables by the fifth business day after counterparty delivery was due, the Board-regulated institution must assign a 1,250 percent risk weight to the current fair value of the deliverables owed to the Board-regulated institution.

(f) *Total risk-weighted assets for unsettled transactions.* Total risk-weighted assets for unsettled transactions is the sum of the risk-weighted asset amounts of all DvP, Pvp, and non-DvP/non-Pvp transactions.

[Reg. Q, 78 FR 62157, Oct. 11, 2013, as amended at 84 FR 35266, July 22, 2019]

§§ 217.39–217.40 [Reserved]

RISK-WEIGHTED ASSETS FOR SECURITIZATION EXPOSURES

§217.41 Operational requirements for securitization exposures.

(a) *Operational criteria for traditional securitizations.* A Board-regulated institution that transfers exposures it has originated or purchased to a securitization SPE or other third party in connection with a traditional securitization may exclude the exposures from the calculation of its risk-weighted assets only if each condition in this section is satisfied. A Board-regulated institution that meets these conditions must hold risk-based capital against any credit risk it retains in connection with the securitization. A Board-regulated institution that fails to meet these conditions must hold risk-based capital against the transferred exposures as if they had not been securitized and must deduct from common equity tier 1 capital any after-tax gain-on-sale resulting from the transaction. The conditions are:

(1) The exposures are not reported on the Board-regulated institution's consolidated balance sheet under GAAP;

(2) The Board-regulated institution has transferred to one or more third

parties credit risk associated with the underlying exposures;

(3) Any clean-up calls relating to the securitization are eligible clean-up calls; and

(4) The securitization does not:

(i) Include one or more underlying exposures in which the borrower is permitted to vary the drawn amount within an agreed limit under a line of credit; and

(ii) Contain an early amortization provision.

(b) *Operational criteria for synthetic securitizations.* For synthetic securitizations, a Board-regulated institution may recognize for risk-based capital purposes the use of a credit risk mitigant to hedge underlying exposures only if each condition in this paragraph (b) is satisfied. A Board-regulated institution that meets these conditions must hold risk-based capital against any credit risk of the exposures it retains in connection with the synthetic securitization. A Board-regulated institution that fails to meet these conditions or chooses not to recognize the credit risk mitigant for purposes of this section must instead hold risk-based capital against the underlying exposures as if they had not been synthetically securitized. The conditions are:

(1) The credit risk mitigant is:

(i) Financial collateral;

(ii) A guarantee that meets all criteria as set forth in the definition of “eligible guarantee” in §217.2, except for the criteria in paragraph (3) of that definition; or

(iii) A credit derivative that meets all criteria as set forth in the definition of “eligible credit derivative” in §217.2, except for the criteria in paragraph (3) of the definition of “eligible guarantee” in §217.2.

(2) The Board-regulated institution transfers credit risk associated with the underlying exposures to one or more third parties, and the terms and conditions in the credit risk mitigants employed do not include provisions that:

(i) Allow for the termination of the credit protection due to deterioration in the credit quality of the underlying exposures;

(ii) Require the Board-regulated institution to alter or replace the underlying exposures to improve the credit quality of the underlying exposures;

(iii) Increase the Board-regulated institution's cost of credit protection in response to deterioration in the credit quality of the underlying exposures;

(iv) Increase the yield payable to parties other than the Board-regulated institution in response to a deterioration in the credit quality of the underlying exposures; or

(v) Provide for increases in a retained first loss position or credit enhancement provided by the Board-regulated institution after the inception of the securitization;

(3) The Board-regulated institution obtains a well-reasoned opinion from legal counsel that confirms the enforceability of the credit risk mitigant in all relevant jurisdictions; and

(4) Any clean-up calls relating to the securitization are eligible clean-up calls.

(c) *Due diligence requirements for securitization exposures.* (1) Except for exposures that are deducted from common equity tier 1 capital and exposures subject to § 217.42(h), if a Board-regulated institution is unable to demonstrate to the satisfaction of the Board a comprehensive understanding of the features of a securitization exposure that would materially affect the performance of the exposure, the Board-regulated institution must assign the securitization exposure a risk weight of 1,250 percent. The Board-regulated institution's analysis must be commensurate with the complexity of the securitization exposure and the materiality of the exposure in relation to its capital.

(2) A Board-regulated institution must demonstrate its comprehensive understanding of a securitization exposure under paragraph (c)(1) of this section, for each securitization exposure by:

(i) Conducting an analysis of the risk characteristics of a securitization exposure prior to acquiring the exposure, and documenting such analysis within three business days after acquiring the exposure, considering:

(A) Structural features of the securitization that would materially

impact the performance of the exposure, for example, the contractual cash flow waterfall, waterfall-related triggers, credit enhancements, liquidity enhancements, fair value triggers, the performance of organizations that service the exposure, and deal-specific definitions of default;

(B) Relevant information regarding the performance of the underlying credit exposure(s), for example, the percentage of loans 30, 60, and 90 days past due; default rates; prepayment rates; loans in foreclosure; property types; occupancy; average credit score or other measures of creditworthiness; average LTV ratio; and industry and geographic diversification data on the underlying exposure(s);

(C) Relevant market data of the securitization, for example, bid-ask spread, most recent sales price and historic price volatility, trading volume, implied market rating, and size, depth and concentration level of the market for the securitization; and

(D) For resecuritization exposures, performance information on the underlying securitization exposures, for example, the issuer name and credit quality, and the characteristics and performance of the exposures underlying the securitization exposures; and

(ii) On an on-going basis (no less frequently than quarterly), evaluating, reviewing, and updating as appropriate the analysis required under paragraph (c)(1) of this section for each securitization exposure.

§ 217.42 Risk-weighted assets for securitization exposures.

(a) *Securitization risk weight approaches.* Except as provided elsewhere in this section or in § 217.41:

(1) A Board-regulated institution must deduct from common equity tier 1 capital any after-tax gain-on-sale resulting from a securitization and apply a 1,250 percent risk weight to the portion of a CEIO that does not constitute after-tax gain-on-sale.

(2) If a securitization exposure does not require deduction under paragraph (a)(1) of this section, a Board-regulated institution may assign a risk weight to the securitization exposure using the simplified supervisory formula approach (SSFA) in accordance with

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§§ 217.43(a) through 217.43(d) and subject to the limitation under paragraph (e) of this section. Alternatively, a Board-regulated institution that is not subject to subpart F of this part may assign a risk weight to the securitization exposure using the gross-up approach in accordance with § 217.43(e), provided, however, that such Board-regulated institution must apply either the SSFA or the gross-up approach consistently across all of its securitization exposures, except as provided in paragraphs (a)(1), (a)(3), and (a)(4) of this section.

(3) If a securitization exposure does not require deduction under paragraph (a)(1) of this section and the Board-regulated institution cannot, or chooses not to apply the SSFA or the gross-up approach to the exposure, the Board-regulated institution must assign a risk weight to the exposure as described in § 217.44.

(4) If a securitization exposure is a derivative contract (other than protection provided by a Board-regulated institution in the form of a credit derivative) that has a first priority claim on the cash flows from the underlying exposures (notwithstanding amounts due under interest rate or currency derivative contracts, fees due, or other similar payments), a Board-regulated institution may choose to set the risk-weighted asset amount of the exposure equal to the amount of the exposure as determined in paragraph (c) of this section.

(b) *Total risk-weighted assets for securitization exposures.* A Board-regulated institution's total risk-weighted assets for securitization exposures equals the sum of the risk-weighted asset amount for securitization exposures that the Board-regulated institution risk weights under §§ 217.41(c), 217.42(a)(1), and 217.43, 217.44, or 217.45, and paragraphs (e) through (j) of this section, as applicable.

(c) *Exposure amount of a securitization exposure—(1) On-balance sheet securitization exposures.* The exposure amount of an on-balance sheet securitization exposure (excluding an available-for-sale or held-to-maturity security where the Board-regulated institution has made an AOCI opt-out election under § 217.22(b)(2), a repo-style transaction, eligible margin loan, OTC

derivative contract, or cleared transaction) is equal to the carrying value of the exposure.

(2) *On-balance sheet securitization exposures held by a Board-regulated institution that has made an AOCI opt-out election.* The exposure amount of an on-balance sheet securitization exposure that is an available-for-sale or held-to-maturity security held by a Board-regulated institution that has made an AOCI opt-out election under § 217.22(b)(2) is the Board-regulated institution's carrying value (including net accrued but unpaid interest and fees), less any net unrealized gains on the exposure and plus any net unrealized losses on the exposure.

(3) *Off-balance sheet securitization exposures.* (i) Except as provided in paragraph (j) of this section, the exposure amount of an off-balance sheet securitization exposure that is not a repo-style transaction, eligible margin loan, cleared transaction (other than a credit derivative), or an OTC derivative contract (other than a credit derivative) is the notional amount of the exposure. For an off-balance sheet securitization exposure to an ABCP program, such as an eligible ABCP liquidity facility, the notional amount may be reduced to the maximum potential amount that the Board-regulated institution could be required to fund given the ABCP program's current underlying assets (calculated without regard to the current credit quality of those assets).

(ii) A Board-regulated institution must determine the exposure amount of an eligible ABCP liquidity facility for which the SSFA does not apply by multiplying the notional amount of the exposure by a CCF of 50 percent.

(iii) A Board-regulated institution must determine the exposure amount of an eligible ABCP liquidity facility for which the SSFA applies by multiplying the notional amount of the exposure by a CCF of 100 percent.

(4) *Repo-style transactions, eligible margin loans, and derivative contracts.* The exposure amount of a securitization exposure that is a repo-style transaction, eligible margin loan, or derivative contract (other than a credit derivative) is the exposure amount of the transaction

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as calculated under § 217.34 or § 217.37, as applicable.

(d) *Overlapping exposures.* If a Board-regulated institution has multiple securitization exposures that provide duplicative coverage to the underlying exposures of a securitization (such as when a Board-regulated institution provides a program-wide credit enhancement and multiple pool-specific liquidity facilities to an ABCP program), the Board-regulated institution is not required to hold duplicative risk-based capital against the overlapping position. Instead, the Board-regulated institution may apply to the overlapping position the applicable risk-based capital treatment that results in the highest risk-based capital requirement.

(e) *Implicit support.* If a Board-regulated institution provides support to a securitization in excess of the Board-regulated institution's contractual obligation to provide credit support to the securitization (implicit support):

(1) The Board-regulated institution must include in risk-weighted assets all of the underlying exposures associated with the securitization as if the exposures had not been securitized and must deduct from common equity tier 1 capital any after-tax gain-on-sale resulting from the securitization; and

(2) The Board-regulated institution must disclose publicly:

(i) That it has provided implicit support to the securitization; and

(ii) The risk-based capital impact to the Board-regulated institution of providing such implicit support.

(f) *Undrawn portion of a servicer cash advance facility.* (1) Notwithstanding any other provision of this subpart, a Board-regulated institution that is a servicer under an eligible servicer cash advance facility is not required to hold risk-based capital against potential future cash advance payments that it may be required to provide under the contract governing the facility.

(2) For a Board-regulated institution that acts as a servicer, the exposure amount for a servicer cash advance facility that is not an eligible servicer cash advance facility is equal to the amount of all potential future cash advance payments that the Board-regulated institution may be contractually required to provide during the subse-

quent 12 month period under the contract governing the facility.

(g) *Interest-only mortgage-backed securities.* Regardless of any other provisions in this subpart, the risk weight for a non-credit-enhancing interest-only mortgage-backed security may not be less than 100 percent.

(h) *Small-business loans and leases on personal property transferred with retained contractual exposure.* (1) Regardless of any other provision of this subpart, a Board-regulated institution that has transferred small-business loans and leases on personal property (small-business obligations) with recourse must include in risk-weighted assets only its contractual exposure to the small-business obligations if all the following conditions are met:

(i) The transaction must be treated as a sale under GAAP.

(ii) The Board-regulated institution establishes and maintains, pursuant to GAAP, a non-capital reserve sufficient to meet the Board-regulated institution's reasonably estimated liability under the contractual obligation.

(iii) The small-business obligations are to businesses that meet the criteria for a small-business concern established by the Small Business Administration under section 3(a) of the Small Business Act (15 U.S.C. 632 et seq.).

(iv)(A) In the case of a state member bank, the bank is well capitalized, as defined in 12 CFR 208.43. For purposes of determining whether a state member bank is well capitalized for purposes of this paragraph (h), the state member bank's capital ratios must be calculated without regard to the capital treatment for transfers of small-business obligations under this paragraph (h).

(B) In the case of a bank holding company or savings and loan holding company, the bank holding company or savings and loan holding company is well capitalized, as defined in 12 CFR 225.2. For purposes of determining whether a bank holding company or savings and loan holding company is well capitalized for purposes of this paragraph (h), the bank holding company or savings and loan holding company's capital ratios must be calculated without regard to the capital

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treatment for transfers of small-business obligations with recourse specified in paragraph (k)(1) of this section.

(2) The total outstanding amount of contractual exposure retained by a Board-regulated institution on transfers of small-business obligations receiving the capital treatment specified in paragraph (h)(1) of this section cannot exceed 15 percent of the Board-regulated institution's total capital.

(3) If a Board-regulated institution ceases to be well capitalized under 12 CFR 208.43 or exceeds the 15 percent capital limitation provided in paragraph (h)(2) of this section, the capital treatment under paragraph (h)(1) of this section will continue to apply to any transfers of small-business obligations with retained contractual exposure that occurred during the time that the Board-regulated institution was well capitalized and did not exceed the capital limit.

(4) The risk-based capital ratios of the Board-regulated institution must be calculated without regard to the capital treatment for transfers of small-business obligations specified in paragraph (h)(1) of this section for purposes of:

(i) Determining whether a Board-regulated institution is adequately capitalized, undercapitalized, significantly undercapitalized, or critically undercapitalized under the Board's prompt corrective action regulations; and

(ii) Reclassifying a well-capitalized Board-regulated institution to adequately capitalized and requiring an adequately capitalized Board-regulated institution to comply with certain mandatory or discretionary supervisory actions as if the Board-regulated institution were in the next lower prompt-corrective-action category.

(i) *Nth-to-default credit derivatives*—(1) *Protection provider.* A Board-regulated institution may assign a risk weight using the SSFA in § 217.43 to an *nth-to-default credit derivative* in accordance with this paragraph (i). A Board-regulated institution must determine its exposure in the *nth-to-default credit derivative* as the largest notional amount of all the underlying exposures.

(2) For purposes of determining the risk weight for an *nth-to-default credit*

derivative using the SSFA, the Board-regulated institution must calculate the attachment point and detachment point of its exposure as follows:

(i) The attachment point (parameter A) is the ratio of the sum of the notional amounts of all underlying exposures that are subordinated to the Board-regulated institution's exposure to the total notional amount of all underlying exposures. The ratio is expressed as a decimal value between zero and one. In the case of a first-to-default credit derivative, there are no underlying exposures that are subordinated to the Board-regulated institution's exposure. In the case of a second-or-subsequent-to-default credit derivative, the smallest (n-1) notional amounts of the underlying exposure(s) are subordinated to the Board-regulated institution's exposure.

(ii) The detachment point (parameter D) equals the sum of parameter A plus the ratio of the notional amount of the Board-regulated institution's exposure in the *nth-to-default credit derivative* to the total notional amount of all underlying exposures. The ratio is expressed as a decimal value between zero and one.

(3) A Board-regulated institution that does not use the SSFA to determine a risk weight for its *nth-to-default credit derivative* must assign a risk weight of 1,250 percent to the exposure.

(4) *Protection purchaser*—(i) *First-to-default credit derivatives.* A Board-regulated institution that obtains credit protection on a group of underlying exposures through a first-to-default credit derivative that meets the rules of recognition of § 217.36(b) must determine its risk-based capital requirement for the underlying exposures as if the Board-regulated institution synthetically securitized the underlying exposure with the smallest risk-weighted asset amount and had obtained no credit risk mitigant on the other underlying exposures. A Board-regulated institution must calculate a risk-based capital requirement for counterparty credit risk according to § 217.34 for a first-to-default credit derivative that does not meet the rules of recognition of § 217.36(b).

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(ii) *Second-or-subsequent-to-default credit derivatives.* (A) A Board-regulated institution that obtains credit protection on a group of underlying exposures through a n^{th} -to-default credit derivative that meets the rules of recognition of § 217.36(b) (other than a first-to-default credit derivative) may recognize the credit risk mitigation benefits of the derivative only if:

(1) The Board-regulated institution also has obtained credit protection on the same underlying exposures in the form of first-through-($n-1$)-to-default credit derivatives; or

(2) If $n-1$ of the underlying exposures have already defaulted.

(B) If a Board-regulated institution satisfies the requirements of paragraph (i)(4)(ii)(A) of this section, the Board-regulated institution must determine its risk-based capital requirement for the underlying exposures as if the Board-regulated institution had only synthetically securitized the underlying exposure with the n^{th} smallest risk-weighted asset amount and had obtained no credit risk mitigant on the other underlying exposures.

(C) A Board-regulated institution must calculate a risk-based capital requirement for counterparty credit risk according to § 217.34 for a n^{th} -to-default credit derivative that does not meet the rules of recognition of § 217.36(b).

(j) *Guarantees and credit derivatives other than n^{th} -to-default credit derivatives—(1) Protection provider.* For a guarantee or credit derivative (other than an n^{th} -to-default credit derivative) provided by a Board-regulated institution that covers the full amount or a pro rata share of a securitization exposure's principal and interest, the Board-regulated institution must risk weight the guarantee or credit derivative as if it holds the portion of the reference exposure covered by the guarantee or credit derivative.

(2) *Protection purchaser.* (i) A Board-regulated institution that purchases a guarantee or OTC credit derivative (other than an n^{th} -to-default credit derivative) that is recognized under § 217.45 as a credit risk mitigant (including via collateral recognized under § 217.37) is not required to compute a separate counterparty credit risk cap-

ital requirement under § 217.31, in accordance with 34(c).

(ii) If a Board-regulated institution cannot, or chooses not to, recognize a purchased credit derivative as a credit risk mitigant under § 217.45, the Board-regulated institution must determine the exposure amount of the credit derivative under § 217.34.

(A) If the Board-regulated institution purchases credit protection from a counterparty that is not a securitization SPE, the Board-regulated institution must determine the risk weight for the exposure according to this subpart D.

(B) If the Board-regulated institution purchases the credit protection from a counterparty that is a securitization SPE, the Board-regulated institution must determine the risk weight for the exposure according to section § 217.42, including § 217.42(a)(4) for a credit derivative that has a first priority claim on the cash flows from the underlying exposures of the securitization SPE (notwithstanding amounts due under interest rate or currency derivative contracts, fees due, or other similar payments).

[Reg. Q, 78 FR 62157, 62285, Oct. 11, 2013, as amended at 78 FR 62288, Oct. 11, 2013; 84 FR 35266, July 22, 2019]

§ 217.43 Simplified supervisory formula approach (SSFA) and the gross-up approach.

(a) *General requirements for the SSFA.* To use the SSFA to determine the risk weight for a securitization exposure, a Board-regulated institution must have data that enables it to assign accurately the parameters described in paragraph (b) of this section. Data used to assign the parameters described in paragraph (b) of this section must be the most currently available data; if the contracts governing the underlying exposures of the securitization require payments on a monthly or quarterly basis, the data used to assign the parameters described in paragraph (b) of this section must be no more than 91 calendar days old. A Board-regulated institution that does not have the appropriate data to assign the parameters described in paragraph (b) of this section must assign a risk weight of 1,250 percent to the exposure.

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(b) *SSFA parameters.* To calculate the risk weight for a securitization exposure using the SSFA, a Board-regulated institution must have accurate information on the following five inputs to the SSFA calculation:

(1) K_G is the weighted-average (with unpaid principal used as the weight for each exposure) total capital requirement of the underlying exposures calculated using this subpart. K_G is expressed as a decimal value between zero and one (that is, an average risk weight of 100 percent represents a value of K_G equal to 0.08).

(2) Parameter W is expressed as a decimal value between zero and one. Parameter W is the ratio of the sum of the dollar amounts of any underlying exposures of the securitization that meet any of the criteria as set forth in paragraphs (b)(2)(i) through (vi) of this section to the balance, measured in dollars, of underlying exposures:

- (i) Ninety days or more past due;
- (ii) Subject to a bankruptcy or insolvency proceeding;
- (iii) In the process of foreclosure;
- (iv) Held as real estate owned;
- (v) Has contractually deferred payments for 90 days or more, other than principal or interest payments deferred on:

(A) Federally-guaranteed student loans, in accordance with the terms of those guarantee programs; or

(B) Consumer loans, including non-federally-guaranteed student loans, provided that such payments are deferred pursuant to provisions included in the contract at the time funds are disbursed that provide for period(s) of deferral that are not initiated based on changes in the creditworthiness of the borrower; or

- (vi) Is in default.

(3) Parameter A is the attachment point for the exposure, which represents the threshold at which credit losses will first be allocated to the exposure. Except as provided in § 217.42(i) for n^{th} -to-default credit derivatives, parameter A equals the ratio of the current dollar amount of underlying exposures that are subordinated to the exposure of the Board-regulated institution to the current dollar amount of underlying exposures. Any reserve account funded by the accumulated cash

flows from the underlying exposures that is subordinated to the Board-regulated institution's securitization exposure may be included in the calculation of parameter A to the extent that cash is present in the account. Parameter A is expressed as a decimal value between zero and one.

(4) Parameter D is the detachment point for the exposure, which represents the threshold at which credit losses of principal allocated to the exposure would result in a total loss of principal. Except as provided in section 42(i) for n^{th} -to-default credit derivatives, parameter D equals parameter A plus the ratio of the current dollar amount of the securitization exposures that are *pari passu* with the exposure (that is, have equal seniority with respect to credit risk) to the current dollar amount of the underlying exposures. Parameter D is expressed as a decimal value between zero and one.

(5) A supervisory calibration parameter, p , is equal to 0.5 for securitization exposures that are not resecuritization exposures and equal to 1.5 for resecuritization exposures.

(c) *Mechanics of the SSFA.* K_G and W are used to calculate K_A , the augmented value of K_G , which reflects the observed credit quality of the underlying exposures. K_A is defined in paragraph (d) of this section. The values of parameters A and D, relative to K_A determine the risk weight assigned to a securitization exposure as described in paragraph (d) of this section. The risk weight assigned to a securitization exposure, or portion of a securitization exposure, as appropriate, is the larger of the risk weight determined in accordance with this paragraph (c) or paragraph (d) of this section and a risk weight of 20 percent.

(1) When the detachment point, parameter D, for a securitization exposure is less than or equal to K_A , the exposure must be assigned a risk weight of 1,250 percent.

(2) When the attachment point, parameter A, for a securitization exposure is greater than or equal to K_A , the Board-regulated institution must calculate the risk weight in accordance with paragraph (d) of this section.

(3) When A is less than K_A and D is greater than K_A , the risk weight is a

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weighted-average of 1,250 percent and 1,250 percent times K_{SSFA} calculated in accordance with paragraph (d) of this section. For the purpose of this weighted-average calculation:

- (i) The weight assigned to 1,250 percent equals $\frac{K_A - A}{D - A}$.
- (ii) The weight assigned to 1,250 percent times K_{SSFA} equals $\frac{D - K_A}{D - A}$.
- (iii) The risk weight will be set equal to:

$$RW = \left[\left(\frac{K_A - A}{D - A} \right) \cdot 1,250 \text{ percent} \right] + \left[\left(\frac{D - K_A}{D - A} \right) \cdot 1,250 \text{ percent} \cdot K_{SSFA} \right]$$

(d) SSFA equation. (1) The [BANK] must define the following parameters:

$$K_A = (1 - W) \cdot K_G + (0.5 \cdot W)$$

$$a = -\frac{1}{p \cdot K_A}$$

$$u = D - K_A$$

$$l = \max(A - K_A, 0)$$

$e = 2.71828$, the base of the natural logarithms.

(2) Then the [BANK] must calculate K_{SSFA} according to the following equation:

$$K_{SSFA} = \frac{e^{a \cdot u} - e^{a \cdot l}}{a(u - l)}$$

(3) The risk weight for the exposure (expressed as a percent) is equal to

$$K_{SSFA} \times 1,250.$$

(e) *Gross-up approach*—(1) *Applicability*. A Board-regulated institution that is not subject to subpart F of this part may apply the gross-up approach set forth in this section instead of the SSFA to determine the risk weight of its securitization exposures, provided that it applies the gross-up approach to all of its securitization exposures, except as otherwise provided for certain

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securitization exposures in §§ 217.44 and 217.45.

(2) To use the gross-up approach, a Board-regulated institution must calculate the following four inputs:

(i) Pro rata share, which is the par value of the Board-regulated institution's securitization exposure as a percent of the par value of the tranche in which the securitization exposure resides;

(ii) Enhanced amount, which is the par value of tranches that are more senior to the tranche in which the Board-regulated institution's securitization resides;

(iii) Exposure amount of the Board-regulated institution's securitization exposure calculated under § 217.42(c); and

(iv) Risk weight, which is the weighted-average risk weight of underlying exposures of the securitization as calculated under this subpart.

(3) *Credit equivalent amount.* The credit equivalent amount of a securitization exposure under this section equals the sum of:

(i) The exposure amount of the Board-regulated institution's securitization exposure; and

(ii) The pro rata share multiplied by the enhanced amount, each calculated in accordance with paragraph (e)(2) of this section.

(4) *Risk-weighted assets.* To calculate risk-weighted assets for a securitization exposure under the gross-up approach, a Board-regulated institution must apply the risk weight required under paragraph (e)(2) of this section to the credit equivalent amount calculated in paragraph (e)(3) of this section.

(f) *Limitations.* Notwithstanding any other provision of this section, a Board-regulated institution must assign a risk weight of not less than 20 percent to a securitization exposure.

§ 217.44 Securitization exposures to which the SSFA and gross-up approach do not apply.

(a) *General requirement.* A Board-regulated institution must assign a 1,250 percent risk weight to all securitization exposures to which the Board-regulated institution does not apply the SSFA or the gross-up ap-

proach under § 217.43, except as set forth in this section.

(b) *Eligible ABCP liquidity facilities.* A Board-regulated institution may determine the risk-weighted asset amount of an eligible ABCP liquidity facility by multiplying the exposure amount by the highest risk weight applicable to any of the individual underlying exposures covered by the facility.

(c) *A securitization exposure in a second loss position or better to an ABCP program—*(1) *Risk weighting.* A Board-regulated institution may determine the risk-weighted asset amount of a securitization exposure that is in a second loss position or better to an ABCP program that meets the requirements of paragraph (c)(2) of this section by multiplying the exposure amount by the higher of the following risk weights:

(i) 100 percent; and

(ii) The highest risk weight applicable to any of the individual underlying exposures of the ABCP program.

(2) *Requirements.* (i) The exposure is not an eligible ABCP liquidity facility;

(ii) The exposure must be economically in a second loss position or better, and the first loss position must provide significant credit protection to the second loss position;

(iii) The exposure qualifies as investment grade; and

(iv) The Board-regulated institution holding the exposure must not retain or provide protection to the first loss position.

§ 217.45 Recognition of credit risk mitigants for securitization exposures.

(a) *General.* (1) An originating Board-regulated institution that has obtained a credit risk mitigant to hedge its exposure to a synthetic or traditional securitization that satisfies the operational criteria provided in § 217.41 may recognize the credit risk mitigant under §§ 217.36 or 217.37, but only as provided in this section.

(2) An investing Board-regulated institution that has obtained a credit risk mitigant to hedge a securitization exposure may recognize the credit risk mitigant under §§ 217.36 or 217.37, but only as provided in this section.

(b) *Mismatches.* A Board-regulated institution must make any applicable adjustment to the protection amount of an eligible guarantee or credit derivative as required in § 217.36(d), (e), and (f) for any hedged securitization exposure. In the context of a synthetic securitization, when an eligible guarantee or eligible credit derivative covers multiple hedged exposures that have different residual maturities, the Board-regulated institution must use the longest residual maturity of any of the hedged exposures as the residual maturity of all hedged exposures.

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RISK-WEIGHTED ASSETS FOR EQUITY EXPOSURES

§ 217.51 Introduction and exposure measurement.

(a) *General.* (1) To calculate its risk-weighted asset amounts for equity exposures that are not equity exposures to an investment fund, a Board-regulated institution must use the Simple Risk-Weight Approach (SRWA) provided in 217.52. A Board-regulated institution must use the look-through approaches provided in § 217.53 to calculate its risk-weighted asset amounts for equity exposures to investment funds.

(2) A Board-regulated institution must treat an investment in a separate account (as defined in § 217.2) as if it were an equity exposure to an investment fund as provided in § 217.53.

(3) *Stable value protection.* (i) Stable value protection means a contract where the provider of the contract is obligated to pay:

(A) The policy owner of a separate account an amount equal to the shortfall between the fair value and cost basis of the separate account when the policy owner of the separate account surrenders the policy; or

(B) The beneficiary of the contract an amount equal to the shortfall between the fair value and book value of a specified portfolio of assets.

(ii) A Board-regulated institution that purchases stable value protection on its investment in a separate account must treat the portion of the carrying value of its investment in the separate account attributable to the stable

value protection as an exposure to the provider of the protection and the remaining portion of the carrying value of its separate account as an equity exposure to an investment fund.

(iii) A Board-regulated institution that provides stable value protection must treat the exposure as an equity derivative with an adjusted carrying value determined as the sum of paragraphs (b)(1) and (3) of this section.

(b) *Adjusted carrying value.* For purposes of §§ 217.51 through 217.53, the adjusted carrying value of an equity exposure is:

(1) For the on-balance sheet component of an equity exposure (other than an equity exposure that is classified as available-for-sale where the Board-regulated institution has made an AOCI opt-out election under § 217.22(b)(2)), the Board-regulated institution's carrying value of the exposure;

(2) For the on-balance sheet component of an equity exposure that is classified as available-for-sale where the Board-regulated institution has made an AOCI opt-out election under § 217.22(b)(2), the Board-regulated institution's carrying value of the exposure less any net unrealized gains on the exposure that are reflected in such carrying value but excluded from the Board-regulated institution's regulatory capital components;

(3) For the off-balance sheet component of an equity exposure that is not an equity commitment, the effective notional principal amount of the exposure, the size of which is equivalent to a hypothetical on-balance sheet position in the underlying equity instrument that would evidence the same change in fair value (measured in dollars) given a small change in the price of the underlying equity instrument, minus the adjusted carrying value of the on-balance sheet component of the exposure as calculated in paragraph (b)(1) of this section; and

(4) For a commitment to acquire an equity exposure (an equity commitment), the effective notional principal amount of the exposure is multiplied by the following conversion factors (CFs):

(i) Conditional equity commitments with an original maturity of one year or less receive a CF of 20 percent.

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(ii) Conditional equity commitments with an original maturity of over one year receive a CF of 50 percent.

(iii) Unconditional equity commitments receive a CF of 100 percent.

§ 217.52 Simple risk-weight approach (SRWA).

(a) *General.* Under the SRWA, a Board-regulated institution's total risk-weighted assets for equity exposures equals the sum of the risk-weighted asset amounts for each of the Board-regulated institution's individual equity exposures (other than equity exposures to an investment fund) as determined under this section and the risk-weighted asset amounts for each of the Board-regulated institution's individual equity exposures to an investment fund as determined under § 217.53.

(b) *SRWA computation for individual equity exposures.* A Board-regulated institution must determine the risk-weighted asset amount for an individual equity exposure (other than an equity exposure to an investment fund) by multiplying the adjusted carrying value of the equity exposure or the effective portion and ineffective portion of a hedge pair (as defined in paragraph (c) of this section) by the lowest applicable risk weight in this paragraph (b).

(1) *Zero percent risk weight equity exposures.* An equity exposure to a sovereign, the Bank for International Settlements, the European Central Bank, the European Commission, the International Monetary Fund, the European Stability Mechanism, the European Financial Stability Facility, an MDB, and any other entity whose credit exposures receive a zero percent risk weight under § 217.32 may be assigned a zero percent risk weight.

(2) *20 percent risk weight equity exposures.* An equity exposure to a PSE, Federal Home Loan Bank or the Federal Agricultural Mortgage Corporation (Farmer Mac) must be assigned a 20 percent risk weight.

(3) *100 percent risk weight equity exposures.* The equity exposures set forth in this paragraph (b)(3) must be assigned a 100 percent risk weight.

(i) *Community development equity exposures.* (A) For state member banks and bank holding companies, an equity ex-

posure that qualifies as a community development investment under 12 U.S.C. 24 (Eleventh), excluding equity exposures to an unconsolidated small business investment company and equity exposures held through a consolidated small business investment company described in section 302 of the Small Business Investment Act of 1958 (15 U.S.C. 682).

(B) For savings and loan holding companies, an equity exposure that is designed primarily to promote community welfare, including the welfare of low- and moderate-income communities or families, such as by providing services or employment, and excluding equity exposures to an unconsolidated small business investment company and equity exposures held through a small business investment company described in section 302 of the Small Business Investment Act of 1958 (15 U.S.C. 682).

(ii) *Effective portion of hedge pairs.* The effective portion of a hedge pair.

(iii) *Non-significant equity exposures.* Equity exposures, excluding significant investments in the capital of an unconsolidated financial institution in the form of common stock and exposures to an investment firm that would meet the definition of a traditional securitization were it not for the application of paragraph (8) of that definition in § 217.2 and has greater than immaterial leverage, to the extent that the aggregate adjusted carrying value of the exposures does not exceed 10 percent of the Board-regulated institution's total capital.

(A) To compute the aggregate adjusted carrying value of a Board-regulated institution's equity exposures for purposes of this section, the Board-regulated institution may exclude equity exposures described in paragraphs (b)(1), (b)(2), (b)(3)(i), and (b)(3)(ii) of this section, the equity exposure in a hedge pair with the smaller adjusted carrying value, and a proportion of each equity exposure to an investment fund equal to the proportion of the assets of the investment fund that are not equity exposures or that meet the criterion of paragraph (b)(3)(i) of this section. If a Board-regulated institution does not know the actual holdings

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of the investment fund, the Board-regulated institution may calculate the proportion of the assets of the fund that are not equity exposures based on the terms of the prospectus, partnership agreement, or similar contract that defines the fund's permissible investments. If the sum of the investment limits for all exposure classes within the fund exceeds 100 percent, the Board-regulated institution must assume for purposes of this section that the investment fund invests to the maximum extent possible in equity exposures.

(B) When determining which of a Board-regulated institution's equity exposures qualify for a 100 percent risk weight under this paragraph (b), a Board-regulated institution first must include equity exposures to unconsolidated small business investment companies or held through consolidated small business investment companies described in section 302 of the Small Business Investment Act, then must include publicly traded equity exposures (including those held indirectly through investment funds), and then must include non-publicly traded equity exposures (including those held indirectly through investment funds).

(4) *250 percent risk weight equity exposures.* Significant investments in the capital of unconsolidated financial institutions in the form of common stock that are not deducted from capital pursuant to § 217.22(d)(2) are assigned a 250 percent risk weight.

(5) *300 percent risk weight equity exposures.* A publicly traded equity exposure (other than an equity exposure described in paragraph (b)(7) of this section and including the ineffective portion of a hedge pair) must be assigned a 300 percent risk weight.

(6) *400 percent risk weight equity exposures.* An equity exposure (other than an equity exposure described in paragraph (b)(7)) of this section that is not publicly traded must be assigned a 400 percent risk weight.

(7) *600 percent risk weight equity exposures.* An equity exposure to an invest-

ment firm must be assigned a 600 percent risk weight, provided that the investment firm:

(i) Would meet the definition of a traditional securitization were it not for the application of paragraph (8) of that definition; and

(ii) Has greater than immaterial leverage.

(c) *Hedge transactions—(1) Hedge pair.* A hedge pair is two equity exposures that form an effective hedge so long as each equity exposure is publicly traded or has a return that is primarily based on a publicly traded equity exposure.

(2) *Effective hedge.* Two equity exposures form an effective hedge if the exposures either have the same remaining maturity or each has a remaining maturity of at least three months; the hedge relationship is formally documented in a prospective manner (that is, before the Board-regulated institution acquires at least one of the equity exposures); the documentation specifies the measure of effectiveness (E) the Board-regulated institution will use for the hedge relationship throughout the life of the transaction; and the hedge relationship has an E greater than or equal to 0.8. A Board-regulated institution must measure E at least quarterly and must use one of three alternative measures of E as set forth in this paragraph (c).

(i) Under the dollar-offset method of measuring effectiveness, the Board-regulated institution must determine the ratio of value change (RVC). The RVC is the ratio of the cumulative sum of the changes in value of one equity exposure to the cumulative sum of the changes in the value of the other equity exposure. If RVC is positive, the hedge is not effective and E equals 0. If RVC is negative and greater than or equal to -1 (that is, between zero and -1), then E equals the absolute value of RVC. If RVC is negative and less than -1 , then E equals 2 plus RVC.

(ii) Under the variability-reduction method of measuring effectiveness:

$$E = 1 - \frac{\sum_{t=1}^T (X_t - X_{t-1})^2}{\sum_{t=1}^T (A_t - A_{t-1})^2}, \text{ where}$$

(A) $X_t = A_t - B_t$;

(B) A_t = the value at time t of one exposure in a hedge pair; and

(C) B_t = the value at time t of the other exposure in a hedge pair.

(iii) Under the regression method of measuring effectiveness, E equals the coefficient of determination of a regression in which the change in value of one exposure in a hedge pair is the dependent variable and the change in value of the other exposure in a hedge pair is the independent variable. However, if the estimated regression coefficient is positive, then E equals zero.

(3) The effective portion of a hedge pair is E multiplied by the greater of the adjusted carrying values of the equity exposures forming a hedge pair.

(4) The ineffective portion of a hedge pair is (1-E) multiplied by the greater of the adjusted carrying values of the equity exposures forming a hedge pair.

[Reg. Q, 78 FR 62157, 62285, Oct. 11, 2013, as amended at 78 FR 62288, Oct. 11, 2013; 84 FR 35266, July 22, 2019]

§ 217.53 Equity exposures to investment funds.

(a) *Available approaches.* (1) Unless the exposure meets the requirements for a community development equity exposure under § 217.52(b)(3)(i), a Board-regulated institution must determine the risk-weighted asset amount of an equity exposure to an investment fund under the full look-through approach described in paragraph (b) of this section, the simple modified look-through approach described in paragraph (c) of this section, or the alternative modified look-through approach described in paragraph (d) of this section, provided, however, that the minimum risk weight

that may be assigned to an equity exposure under this section is 20 percent.

(2) The risk-weighted asset amount of an equity exposure to an investment fund that meets the requirements for a community development equity exposure in § 217.52(b)(3)(i) is its adjusted carrying value.

(3) If an equity exposure to an investment fund is part of a hedge pair and the Board-regulated institution does not use the full look-through approach, the Board-regulated institution must use the ineffective portion of the hedge pair as determined under § 217.52(c) as the adjusted carrying value for the equity exposure to the investment fund. The risk-weighted asset amount of the effective portion of the hedge pair is equal to its adjusted carrying value.

(b) *Full look-through approach.* A Board-regulated institution that is able to calculate a risk-weighted asset amount for its proportional ownership share of each exposure held by the investment fund (as calculated under this subpart as if the proportional ownership share of the adjusted carrying value of each exposure were held directly by the Board-regulated institution) may set the risk-weighted asset amount of the Board-regulated institution's exposure to the fund equal to the product of:

(1) The aggregate risk-weighted asset amounts of the exposures held by the fund as if they were held directly by the Board-regulated institution; and

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(2) The Board-regulated institution's proportional ownership share of the fund.

(c) *Simple modified look-through approach.* Under the simple modified look-through approach, the risk-weighted asset amount for a Board-regulated institution's equity exposure to an investment fund equals the adjusted carrying value of the equity exposure multiplied by the highest risk weight that applies to any exposure the fund is permitted to hold under the prospectus, partnership agreement, or similar agreement that defines the fund's permissible investments (excluding derivative contracts that are used for hedging rather than speculative purposes and that do not constitute a material portion of the fund's exposures).

(d) *Alternative modified look-through approach.* Under the alternative modified look-through approach, a Board-regulated institution may assign the adjusted carrying value of an equity exposure to an investment fund on a pro rata basis to different risk weight categories under this subpart based on the investment limits in the fund's prospectus, partnership agreement, or similar contract that defines the fund's permissible investments. The risk-weighted asset amount for the Board-regulated institution's equity exposure to the investment fund equals the sum of each portion of the adjusted carrying value assigned to an exposure type multiplied by the applicable risk weight under this subpart. If the sum of the investment limits for all exposure types within the fund exceeds 100 percent, the Board-regulated institution must assume that the fund invests to the maximum extent permitted under its investment limits in the exposure type with the highest applicable risk weight under this subpart and continues to make investments in order of the exposure type with the next highest applicable risk weight under this subpart until the maximum total investment level is reached. If more than one exposure type applies to an exposure, the Board-regulated institution must use the highest applicable risk weight. A Board-regulated institution may exclude derivative contracts held by the fund that are used for hedging

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rather than for speculative purposes and do not constitute a material portion of the fund's exposures.

§§ 217.54–217.60 [Reserved]

DISCLOSURES

§ 217.61 Purpose and scope.

Sections 217.61 through 217.63 of this subpart establish public disclosure requirements related to the capital requirements described in subpart B of this part for a Board-regulated institution with total consolidated assets of \$50 billion or more as reported on the Board-regulated institution's most recent year-end Call Report, for a state member bank, or FR Y-9C, for a bank holding company or savings and loan holding company, as applicable that is not an advanced approaches Board-regulated institution making public disclosures pursuant to § 217.172. An advanced approaches Board-regulated institution that has not received approval from the Board to exit parallel run pursuant to § 217.121(d) is subject to the disclosure requirements described in §§ 217.62 and 217.63. A Board-regulated institution with total consolidated assets of \$50 billion or more as reported on the Board-regulated institution's most recent year-end Call Report, for a state member bank, or FR Y-9C, for a bank holding company or savings and loan holding company, as applicable, that is not an advanced approaches Board-regulated institution making public disclosures subject to § 217.172 must comply with § 217.62 unless it is a consolidated subsidiary of a bank holding company, savings and loan holding company, or depository institution that is subject to the disclosure requirements of § 217.62 or a subsidiary of a non-U.S. banking organization that is subject to comparable public disclosure requirements in its home jurisdiction. For purposes of this section, total consolidated assets are determined based on the average of the Board-regulated institution's total consolidated assets in the four most recent quarters as reported on the Call Report, for a state member bank, or FR Y-9C, for a bank holding company or savings and loan holding company, as applicable; or the average of the Board-regulated institution's total

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consolidated assets in the most recent consecutive quarters as reported quarterly on the Board-regulated institution's Call Report, for a state member bank, or FR Y-9C, for a bank holding company or savings and loan holding company, as applicable if the Board-regulated institution has not filed such a report for each of the most recent four quarters.

[Reg. Q, 84 FR 35266, July 22, 2019]

§ 217.62 Disclosure requirements.

(a) A Board-regulated institution described in § 217.61 must provide timely public disclosures each calendar quarter of the information in the applicable tables in § 217.63. If a significant change occurs, such that the most recent reported amounts are no longer reflective of the Board-regulated institution's capital adequacy and risk profile, then a brief discussion of this change and its likely impact must be disclosed as soon as practicable thereafter. Qualitative disclosures that typically do not change each quarter (for example, a general summary of the Board-regulated institution's risk management objectives and policies, reporting system, and definitions) may be disclosed annually after the end of the fourth calendar quarter, provided that any significant changes are disclosed in the interim. The Board-regulated institution's management may provide all of the disclosures required by §§ 217.61 through 217.63 in one place on the Board-regulated institution's public Web site or may provide the disclosures in more than one public financial report or other regulatory reports, provided that the Board-regulated institution publicly provides a summary table specifically indicating the location(s) of all such disclosures.

(b) A Board-regulated institution described in § 217.61 must have a formal disclosure policy approved by the board of directors that addresses its approach for determining the disclosures it makes. The policy must address the associated internal controls and disclosure controls and procedures. The board of directors and senior management are responsible for establishing and maintaining an effective internal control structure over financial reporting, including the disclosures required

by this subpart, and must ensure that appropriate review of the disclosures takes place. One or more senior officers of the Board-regulated institution must attest that the disclosures meet the requirements of this subpart.

(c) If a Board-regulated institution described in § 217.61 concludes that specific commercial or financial information that it would otherwise be required to disclose under this section would be exempt from disclosure by the Board under the Freedom of Information Act (5 U.S.C. 552), then the Board-regulated institution is not required to disclose that specific information pursuant to this section, but must disclose more general information about the subject matter of the requirement, together with the fact that, and the reason why, the specific items of information have not been disclosed.

§ 217.63 Disclosures by Board-regulated institutions described in § 217.61.

(a) Except as provided in § 217.62, a Board-regulated institution described in § 217.61 must make the disclosures described in Tables 1 through 10 of this section. The Board-regulated institution must make these disclosures publicly available for each of the last three years (that is, twelve quarters) or such shorter period beginning on January 1, 2015.

(b) A Board-regulated institution must publicly disclose each quarter the following:

(1) Common equity tier 1 capital, additional tier 1 capital, tier 2 capital, tier 1 and total capital ratios, including the regulatory capital elements and all the regulatory adjustments and deductions needed to calculate the numerator of such ratios;

(2) Total risk-weighted assets, including the different regulatory adjustments and deductions needed to calculate total risk-weighted assets;

(3) Regulatory capital ratios during any transition periods, including a description of all the regulatory capital elements and all regulatory adjustments and deductions needed to calculate the numerator and denominator of each capital ratio during any transition period; and

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(4) A reconciliation of regulatory balance sheet in any audited consolidated financial statements as they relate to its dated financial statements.

TABLE 1 TO § 217.63—SCOPE OF APPLICATION

Qualitative Disclosures ...	(a)	The name of the top corporate entity in the group to which subpart D of this part applies.
	(b)	A brief description of the differences in the basis for consolidating entities ¹ for accounting and regulatory purposes, with a description of those entities: (1) That are fully consolidated; (2) That are deconsolidated and deducted from total capital; (3) For which the total capital requirement is deducted; and (4) That are neither consolidated nor deducted (for example, where the investment in the entity is assigned a risk weight in accordance with this subpart).
	(c)	Any restrictions, or other major impediments, on transfer of funds or total capital within the group.
	(d)	The aggregate amount of surplus capital of insurance subsidiaries included in the total capital of the consolidated group.
	(e)	The aggregate amount by which actual total capital is less than the minimum total capital requirement in all subsidiaries, with total capital requirements and the name(s) of the subsidiaries with such deficiencies.

¹ Entities include securities, insurance and other financial subsidiaries, commercial subsidiaries (where permitted), and significant minority equity investments in insurance, financial and commercial entities.

TABLE 2 TO § 217.63—CAPITAL STRUCTURE

Qualitative Disclosures ...	(a)	Summary information on the terms and conditions of the main features of all regulatory capital instruments.
Quantitative Disclosures	(b)	The amount of common equity tier 1 capital, with separate disclosure of: (1) Common stock and related surplus; (2) Retained earnings; (3) Common equity minority interest; (4) AOCI; and (5) Regulatory adjustments and deductions made to common equity tier 1 capital.
	(c)	The amount of tier 1 capital, with separate disclosure of: (1) Additional tier 1 capital elements, including additional tier 1 capital instruments and tier 1 minority interest not included in common equity tier 1 capital; and (2) Regulatory adjustments and deductions made to tier 1 capital.
	(d)	The amount of total capital, with separate disclosure of: (1) Tier 2 capital elements, including tier 2 capital instruments and total capital minority interest not included in tier 1 capital; and (2) Regulatory adjustments and deductions made to total capital.

TABLE 3 TO § 217.63—CAPITAL ADEQUACY

Qualitative disclosures ...	(a)	A summary discussion of the Board-regulated institution's approach to assessing the adequacy of its capital to support current and future activities.
Quantitative disclosures	(b)	Risk-weighted assets for: (1) Exposures to sovereign entities; (2) Exposures to certain supranational entities and MDBs; (3) Exposures to depository institutions, foreign banks, and credit unions; (4) Exposures to PSEs; (5) Corporate exposures; (6) Residential mortgage exposures; (7) Statutory multifamily mortgages and pre-sold construction loans; (8) HVCRE exposures; (9) Past due loans; (10) Other assets; (11) Cleared transactions; (12) Default fund contributions; (13) Unsettled transactions; (14) Securitization exposures; and (15) Equity exposures.
	(c)	Standardized market risk-weighted assets as calculated under subpart F of this part.
	(d)	Common equity tier 1, tier 1 and total risk-based capital ratios: (1) For the top consolidated group; and (2) For each depository institution subsidiary.
	(e)	Total standardized risk-weighted assets.

TABLE 4 TO § 217.63—CAPITAL CONSERVATION BUFFER

Quantitative Disclosures	(a)	At least quarterly, the Board-regulated institution must calculate and publicly disclose the capital conservation buffer as described under § 217.11.
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TABLE 4 TO § 217.63—CAPITAL CONSERVATION BUFFER—Continued

	(b)	At least quarterly, the Board-regulated institution must calculate and publicly disclose the eligible retained income of the Board-regulated institution, as described under § 217.11.
	(c)	At least quarterly, the Board-regulated institution must calculate and publicly disclose any limitations it has on distributions and discretionary bonus payments resulting from the capital conservation buffer framework described under § 217.11, including the maximum pay-out amount for the quarter.

(c) *General qualitative disclosure requirement.* For each separate risk area described in Tables 5 through 10, the Board-regulated institution must describe its risk management objectives and policies, including: Strategies and processes; the structure and organization of the relevant risk management function; the scope and nature of risk reporting and/or measurement systems; policies for hedging and/or mitigating risk and strategies and processes for monitoring the continuing effectiveness of hedges/mitigants.

TABLE 5 TO § 217.63¹—CREDIT RISK: GENERAL DISCLOSURES

Qualitative Disclosures ...	(a)	The general qualitative disclosure requirement with respect to credit risk (excluding counterparty credit risk disclosed in accordance with Table 6), including the: (1) Policy for determining past due or delinquency status; (2) Policy for placing loans on nonaccrual; (3) Policy for returning loans to accrual status; (4) Definition of and policy for identifying impaired loans (for financial accounting purposes); (5) Description of the methodology that the Board-regulated institution uses to estimate its allowance for loan and lease losses or adjusted allowance for credit losses, as applicable, including statistical methods used where applicable; (6) Policy for charging-off uncollectible amounts; and (7) Discussion of the Board-regulated institution's credit risk management policy.
Quantitative Disclosures	(b)	Total credit risk exposures and average credit risk exposures, after accounting offsets in accordance with GAAP, without taking into account the effects of credit risk mitigation techniques (for example, collateral and netting not permitted under GAAP), over the period categorized by major types of credit exposure. For example, Board-regulated institutions could use categories similar to that used for financial statement purposes. Such categories might include, for instance (1) Loans, off-balance sheet commitments, and other non-derivative off-balance sheet exposures; (2) Debt securities; and (3) OTC derivatives. ²
	(c)	Geographic distribution of exposures, categorized in significant areas by major types of credit exposure. ³
	(d)	Industry or counterparty type distribution of exposures, categorized by major types of credit exposure.
	(e)	By major industry or counterparty type: (1) Amount of impaired loans for which there was a related allowance under GAAP; (2) Amount of impaired loans for which there was no related allowance under GAAP; (3) Amount of loans past due 90 days and on nonaccrual; (4) Amount of loans past due 90 days and still accruing; ⁴ (5) The balance in the allowance for loan and lease losses or adjusted allowance for credit losses, as applicable, at the end of each period, disaggregated on the basis of the Board-regulated institution's impairment method. To disaggregate the information required on the basis of impairment methodology, an entity shall separately disclose the amounts based on the requirements in GAAP; and (6) Charge-offs during the period.
	(f)	Amount of impaired loans and, if available, the amount of past due loans categorized by significant geographic areas including, if practical, the amounts of allowances related to each geographical area, ⁵ further categorized as required by GAAP.
	(g)	Reconciliation of changes in ALLL or AACL, as applicable. ⁶
	(h)	Remaining contractual maturity delineation (for example, one year or less) of the whole portfolio, categorized by credit exposure.

¹ Table 5 does not cover equity exposures, which should be reported in Table 9.

² See, for example, ASC Topic 815–10 and 210, as they may be amended from time to time.

³ Geographical areas may consist of individual countries, groups of countries, or regions within countries. A Board-regulated institution might choose to define the geographical areas based on the way the Board-regulated institution's portfolio is geographically managed. The criteria used to allocate the loans to geographical areas must be specified.

⁴ A Board-regulated institution is encouraged also to provide an analysis of the aging of past-due loans.

⁵ The portion of the general allowance that is not allocated to a geographical area should be disclosed separately.

⁶ The reconciliation should include the following: A description of the allowance; the opening balance of the allowance; charge-offs taken against the allowance during the period; amounts provided (or reversed) for estimated probable loan losses during the period; any other adjustments (for example, exchange rate differences, business combinations, acquisitions and disposals of subsidiaries), including transfers between allowances; and the closing balance of the allowance. Charge-offs and recoveries that have been recorded directly to the income statement should be disclosed separately.

TABLE 6 TO § 217.63—GENERAL DISCLOSURE FOR COUNTERPARTY CREDIT RISK-RELATED EXPOSURES

Qualitative Disclosures ...	(a)	The general qualitative disclosure requirement with respect to OTC derivatives, eligible margin loans, and repo-style transactions, including a discussion of: (1) The methodology used to assign credit limits for counterparty credit exposures; (2) Policies for securing collateral, valuing and managing collateral, and establishing credit reserves; (3) The primary types of collateral taken; and (4) The impact of the amount of collateral the Board-regulated institution would have to provide given a deterioration in the Board-regulated institution's own creditworthiness.
Quantitative Disclosures	(b)	Gross positive fair value of contracts, collateral held (including type, for example, cash, government securities), and net unsecured credit exposure. ¹ A Board-regulated institution also must disclose the notional value of credit derivative hedges purchased for counterparty credit risk protection and the distribution of current credit exposure by exposure type. ²
	(c)	Notional amount of purchased and sold credit derivatives, segregated between use for the Board-regulated institution's own credit portfolio and in its intermediation activities, including the distribution of the credit derivative products used, categorized further by protection bought and sold within each product group.

¹ Net unsecured credit exposure is the credit exposure after considering both the benefits from legally enforceable netting agreements and collateral arrangements without taking into account haircuts for price volatility, liquidity, etc.

² This may include interest rate derivative contracts, foreign exchange derivative contracts, equity derivative contracts, credit derivatives, commodity or other derivative contracts, repo-style transactions, and eligible margin loans.

TABLE 7 TO § 217.63—CREDIT RISK MITIGATION ^{1 2}

Qualitative Disclosures ...	(a)	The general qualitative disclosure requirement with respect to credit risk mitigation, including: (1) Policies and processes for collateral valuation and management; (2) A description of the main types of collateral taken by the Board-regulated institution; (3) The main types of guarantors/credit derivative counterparties and their creditworthiness; and (4) Information about (market or credit) risk concentrations with respect to credit risk mitigation.
Quantitative Disclosures	(b)	For each separately disclosed credit risk portfolio, the total exposure that is covered by eligible financial collateral, and after the application of haircuts.
	(c)	For each separately disclosed portfolio, the total exposure that is covered by guarantees/credit derivatives and the risk-weighted asset amount associated with that exposure.

¹ At a minimum, a Board-regulated institution must provide the disclosures in Table 7 in relation to credit risk mitigation that has been recognized for the purposes of reducing capital requirements under this subpart. Where relevant, Board-regulated institutions are encouraged to give further information about mitigants that have not been recognized for that purpose.

² Credit derivatives that are treated, for the purposes of this subpart, as synthetic securitization exposures should be excluded from the credit risk mitigation disclosures and included within those relating to securitization (Table 8).

TABLE 8 TO § 217.63—SECURITIZATION

Qualitative Disclosures ...	(a)	The general qualitative disclosure requirement with respect to a securitization (including synthetic securitizations), including a discussion of: (1) The Board-regulated institution's objectives for securitizing assets, including the extent to which these activities transfer credit risk of the underlying exposures away from the Board-regulated institution to other entities and including the type of risks assumed and retained with resecuritization activity; ¹ (2) The nature of the risks (e.g., liquidity risk) inherent in the securitized assets; (3) The roles played by the Board-regulated institution in the securitization process ² and an indication of the extent of the Board-regulated institution's involvement in each of them; (4) The processes in place to monitor changes in the credit and market risk of securitization exposures including how those processes differ for resecuritization exposures; (5) The Board-regulated institution's policy for mitigating the credit risk retained through securitization and resecuritization exposures; and (6) The risk-based capital approaches that the Board-regulated institution follows for its securitization exposures including the type of securitization exposure to which each approach applies.
	(b)	A list of: (1) The type of securitization SPEs that the Board-regulated institution, as sponsor, uses to securitize third-party exposures. The Board-regulated institution must indicate whether it has exposure to these SPEs, either on- or off-balance sheet; and (2) Affiliated entities: (i) That the Board-regulated institution manages or advises; and (ii) That invest either in the securitization exposures that the Board-regulated institution has securitized or in securitization SPEs that the Board-regulated institution sponsors. ³
	(c)	Summary of the Board-regulated institution's accounting policies for securitization activities, including: (1) Whether the transactions are treated as sales or financings;

TABLE 8 TO § 217.63—SECURITIZATION—Continued

		(2) Recognition of gain-on-sale; (3) Methods and key assumptions applied in valuing retained or purchased interests; (4) Changes in methods and key assumptions from the previous period for valuing retained interests and impact of the changes; (5) Treatment of synthetic securitizations; (6) How exposures intended to be securitized are valued and whether they are recorded under subpart D of this part; and (7) Policies for recognizing liabilities on the balance sheet for arrangements that could require the Board-regulated institution to provide financial support for securitized assets.
	(d)	An explanation of significant changes to any quantitative information since the last reporting period.
Quantitative Disclosures	(e)	The total outstanding exposures securitized by the Board-regulated institution in securitizations that meet the operational criteria provided in § 217.41 (categorized into traditional and synthetic securitizations), by exposure type, separately for securitizations of third-party exposures for which the bank acts only as sponsor. ⁴
	(f)	For exposures securitized by the Board-regulated institution in securitizations that meet the operational criteria in § 217.41: (1) Amount of securitized assets that are impaired/past due categorized by exposure type; ⁵ and (2) Losses recognized by the Board-regulated institution during the current period categorized by exposure type. ⁶
	(g)	The total amount of outstanding exposures intended to be securitized categorized by exposure type.
	(h)	Aggregate amount of: (1) On-balance sheet securitization exposures retained or purchased categorized by exposure type; and (2) Off-balance sheet securitization exposures categorized by exposure type.
	(i)	(1) Aggregate amount of securitization exposures retained or purchased and the associated capital requirements for these exposures, categorized between securitization and resecuritization exposures, further categorized into a meaningful number of risk weight bands and by risk-based capital approach (e.g., SSFA); and (2) Aggregate amount disclosed separately by type of underlying exposure in the pool of any: (i) After-tax gain-on-sale on a securitization that has been deducted from common equity tier 1 capital; and (ii) Credit-enhancing interest-only strip that is assigned a 1,250 percent risk weight.
	(j)	Summary of current year's securitization activity, including the amount of exposures securitized (by exposure type), and recognized gain or loss on sale by exposure type.
	(k)	Aggregate amount of resecuritization exposures retained or purchased categorized according to: (1) Exposures to which credit risk mitigation is applied and those not applied; and (2) Exposures to guarantors categorized according to guarantor creditworthiness categories or guarantor name.

¹The Board-regulated institution should describe the structure of resecuritizations in which it participates; this description should be provided for the main categories of resecuritization products in which the Board-regulated institution is active.

²For example, these roles may include originator, investor, servicer, provider of credit enhancement, sponsor, liquidity provider, or swap provider.

³Such affiliated entities may include, for example, money market funds, to be listed individually, and personal and private trusts, to be noted collectively.

⁴"Exposures securitized" include underlying exposures originated by the bank, whether generated by them or purchased, and recognized in the balance sheet, from third parties, and third-party exposures included in sponsored transactions. Securitization transactions (including underlying exposures originally on the bank's balance sheet and underlying exposures acquired by the bank from third-party entities) in which the originating bank does not retain any securitization exposure should be shown separately but need only be reported for the year of inception. Banks are required to disclose exposures regardless of whether there is a capital charge under this part.

⁵Include credit-related other than temporary impairment (OTTI).

⁶For example, charge-offs/allowances (if the assets remain on the bank's balance sheet) or credit-related OTTI of interest-only strips and other retained residual interests, as well as recognition of liabilities for probable future financial support required of the bank with respect to securitized assets.

TABLE 9 TO § 217.63—EQUITIES NOT SUBJECT TO SUBPART F OF THIS PART

Qualitative Disclosures ...	(a)	The general qualitative disclosure requirement with respect to equity risk for equities not subject to subpart F of this part, including: (1) Differentiation between holdings on which capital gains are expected and those taken under other objectives including for relationship and strategic reasons; and (2) Discussion of important policies covering the valuation of and accounting for equity holdings not subject to subpart F of this part. This includes the accounting techniques and valuation methodologies used, including key assumptions and practices affecting valuation as well as significant changes in these practices.
Quantitative Disclosures	(b)	Value disclosed on the balance sheet of investments, as well as the fair value of those investments; for securities that are publicly traded, a comparison to publicly-quoted share values where the share price is materially different from fair value.
	(c)	The types and nature of investments, including the amount that is: (1) Publicly traded; and (2) Non publicly traded.

TABLE 9 TO § 217.63—EQUITIES NOT SUBJECT TO SUBPART F OF THIS PART—Continued

	(d)	The cumulative realized gains (losses) arising from sales and liquidations in the reporting period.
	(e)	(1) Total unrealized gains (losses). ¹
		(2) Total latent revaluation gains (losses). ²
		(3) Any amounts of the above included in tier 1 or tier 2 capital.
	(f)	Capital requirements categorized by appropriate equity groupings, consistent with the Board-regulated institution's methodology, as well as the aggregate amounts and the type of equity investments subject to any supervisory transition regarding regulatory capital requirements.

¹ Unrealized gains (losses) recognized on the balance sheet but not through earnings.

² Unrealized gains (losses) not recognized either on the balance sheet or through earnings.

TABLE 10 TO § 217.63—INTEREST RATE RISK FOR NON-TRADING ACTIVITIES

Qualitative disclosures ...	(a)	The general qualitative disclosure requirement, including the nature of interest rate risk for non-trading activities and key assumptions, including assumptions regarding loan prepayments and behavior of non-maturity deposits, and frequency of measurement of interest rate risk for non-trading activities.
Quantitative disclosures	(b)	The increase (decline) in earnings or economic value (or relevant measure used by management) for upward and downward rate shocks according to management's method for measuring interest rate risk for non-trading activities, categorized by currency (as appropriate).

(d) A Category III Board-regulated institution that is required to publicly disclose its supplementary leverage ratio pursuant to § 217.172(d) is subject to the supplementary leverage ratio disclosure requirement at § 217.173(a)(2).

(e) A Category III Board-regulated institution that is required to calculate a countercyclical capital buffer pursuant to § 217.11 is subject to the disclosure requirement at Table 4 to § 217.173, “Capital Conservation and Countercyclical Capital Buffers,” and not to the disclosure requirement at Table 4 to this section, “Capital Conservation Buffer.”

[Reg. Q, 78 FR 62157, 62285, Oct. 11, 2013, as amended at 84 FR 4242, Feb. 14, 2019; 84 FR 35267, July 22, 2019; 84 FR 59271, Nov. 1, 2019]

§§ 217.64–217.99 [Reserved]

Subpart E—Risk-Weighted Assets—Internal Ratings-Based and Advanced Measurement Approaches

§ 217.100 Purpose, applicability, and principle of conservatism.

(a) *Purpose.* This subpart E establishes:

(1) Minimum qualifying criteria for Board-regulated institutions using institution-specific internal risk measurement and management processes for calculating risk-based capital requirements; and

(2) Methodologies for such Board-regulated institutions to calculate their total risk-weighted assets.

(b) *Applicability.* (1) This subpart applies to:

(i) A top-tier bank holding company or savings and loan holding company domiciled in the United States that:

(A) Is not a consolidated subsidiary of another bank holding company or savings and loan holding company that uses this subpart to calculate its risk-based capital requirements; and

(B) That:

(1) Is identified as a global systemically important BHC pursuant to § 217.402;

(2) Is identified as a Category II banking organization pursuant to 12 CFR 252.5 or 12 CFR 238.10; or

(3) Has a subsidiary depository institution that is required, or has elected, to use 12 CFR part 3, subpart E (OCC), this subpart (Board), or 12 CFR part 324, subpart E (FDIC), to calculate its risk-based capital requirements;

(ii) A state member bank that:

(A) Is a subsidiary of a global systemically important BHC;

(B) Is a Category II Board-regulated institution;

(C) Is a subsidiary of a depository institution that uses 12 CFR part 3, subpart E (OCC), this subpart (Board), or 12 CFR part 324, subpart E (FDIC), to calculate its risk-based capital requirements; or