

b. A banking organization's tier 1 leverage ratio is calculated by dividing its tier 1 capital (the numerator of the ratio) by its average total consolidated assets (the denominator of the ratio). The ratio will also be calculated using period-end assets whenever necessary, on a case-by-case basis. For the purpose of this leverage ratio, the definition of tier 1 capital as set forth in the risk-based capital guidelines contained in appendix A of this part will be used. As a general matter, average total consolidated assets are defined as the quarterly average total assets (defined net of the allowance for loan and lease losses) reported on the organization's Consolidated Financial Statements (FR Y-9C Report), less goodwill; amounts of mortgage servicing assets, nonmortgage servicing assets, and purchased credit card relationships that, in the aggregate, are in excess of 100 percent of Tier 1 capital; amounts of non-mortgage servicing assets and purchased credit card relationships that, in the aggregate, are in excess of 25 percent of Tier 1 capital; amounts of credit-enhancing interest-only strips that are in excess of 25 percent of Tier 1 capital; all other identifiable intangible assets; any investments in subsidiaries or associated companies that the Federal Reserve determines should be deducted from Tier 1 capital; deferred tax assets that are dependent upon future taxable income, net of their valuation allowance, in excess of the limitation set forth in section II.B.4 of appendix A of this part; and the amount of the total adjusted carrying value of nonfinancial equity investments that is subject to a deduction from Tier 1 capital.³

c. Whenever appropriate, including when an organization is undertaking expansion, seeking to engage in new activities or otherwise facing unusual or abnormal risks, the Board will continue to consider the level of an individual organization's tangible tier 1 leverage ratio (after deducting all intangibles) in making an overall assessment of capital adequacy. This is consistent with the Federal Reserve's risk-based capital guidelines and long-standing Federal Reserve policy and practice with regard to leverage guidelines. Organizations experiencing growth, whether internally or by acquisition, are expected to maintain strong capital position substantially above minimum supervisory levels, without significant reliance on intangible assets.

d. Notwithstanding anything in this appendix to the contrary, a bank holding company may deduct from its average total consolidated assets the amount of any asset-backed commercial paper (i) purchased by the bank holding company on or after September 19,

2008, from an SEC-registered open-end investment company that holds itself out as a money market mutual fund under SEC Rule 2a-7 (17 CFR 270.2a-7) and (ii) pledged by the bank holding company to a Federal Reserve Bank to secure financing from the ABCP lending facility (AMLF) established by the Board on September 19, 2008.

[Reg. Y, 59 FR 65926, Dec. 22, 1994, as amended by 60 FR 39231, Aug. 1, 1995; 63 FR 30370, June 4, 1998; 63 FR 42676, Aug. 10, 1998; 66 FR 59651, Nov. 29, 2001; 67 FR 3803, Jan. 25, 2002; 70 FR 11838, Mar. 10, 2005; 71 FR 9902, Feb. 28, 2006; 73 FR 55708, Sept. 26, 2008; 74 FR 6224, Feb. 6, 2009]

APPENDIX E TO PART 225—CAPITAL ADEQUACY GUIDELINES FOR BANK HOLDING COMPANIES: MARKET RISK MEASURE

Section 1. Purpose, Applicability, Scope, and Effective Date

(a) *Purpose.* The purpose of this appendix is to ensure that bank holding companies (organizations) with significant exposure to market risk maintain adequate capital to support that exposure.¹ This appendix supplements and adjusts the risk-based capital ratio calculations under appendix A of this part with respect to those organizations.

(b) *Applicability.* (1) This appendix applies to any bank holding company whose trading activity² (on a worldwide consolidated basis) equals:

- (i) 10 percent or more of total assets;³ or
- (ii) \$1 billion or more.

(2) The Federal Reserve may additionally apply this appendix to any bank holding company if the Federal Reserve deems it necessary or appropriate for safe and sound banking practices.

(3) The Federal Reserve may exclude a bank holding company otherwise meeting the criteria of paragraph (b)(1) of this section

¹This appendix is based on a framework developed jointly by supervisory authorities from the countries represented on the Basle Committee on Banking Supervision and endorsed by the Group of Ten Central Bank Governors. The framework is described in a Basle Committee paper entitled "Amendment to the Capital Accord to Incorporate Market Risks," January 1996. Also see modifications issued in September 1997.

²Trading activity means the gross sum of trading assets and liabilities as reported in the bank holding company's most recent quarterly Y-9C Report.

³Total assets means quarter-end total assets as reported in the bank holding company's most recent Y-9C Report.

³Deductions from Tier 1 capital and other adjustments are discussed more fully in section II.B. of appendix A of this part.

from coverage under this appendix if it determines the organization meets such criteria as a consequence of accounting, operational, or similar considerations, and the Federal Reserve deems it consistent with safe and sound banking practices.

(c) *Scope.* The capital requirements of this appendix support market risk associated with an organization's covered positions.

(d) *Effective date.* This appendix is effective as of January 1, 1997. Compliance is not mandatory until January 1, 1998. Subject to supervisory approval, a bank holding company may opt to comply with this appendix as early as January 1, 1997.⁴

Section 2. Definitions

For purposes of this appendix, the following definitions apply:

(a) *Covered positions* means all positions in an organization's trading account, and all foreign exchange⁵ and commodity positions, whether or not in the trading account.⁶ Positions include on-balance-sheet assets and liabilities and off-balance-sheet items. Securities subject to repurchase and lending agreements are included as if still owned by the lender. Covered positions exclude all positions in a banking organization's trading account that, in form or in substance, act as liquidity facilities that provide liquidity support to asset-backed commercial paper. Such excluded positions are subject to the risk-based capital requirements set forth in appendix A of this part.

(b) *Market risk* means the risk of loss resulting from movements in market prices. Market risk consists of general market risk and specific risk components.

(1) *General market risk* means changes in the market value of covered positions resulting from broad market movements, such as changes in the general level of interest rates, equity prices, foreign exchange rates, or commodity prices.

(2) *Specific risk* means changes in the market value of specific positions due to factors other than broad market movements and includes event and default risk as well as idiosyncratic variations.

(c) *Tier 1* and *Tier 2 capital* are defined in appendix A of this part.

(d) *Tier 3 capital* is subordinated debt that is unsecured; is fully paid up; has an original maturity of at least two years; is not redeemable before maturity without prior ap-

proval by the Federal Reserve; includes a lock-in clause precluding payment of either interest or principal (even at maturity) if the payment would cause the issuing organization's risk-based capital ratio to fall or remain below the minimum required under appendix A of this part; and does not contain and is not covered by any covenants, terms, or restrictions that are inconsistent with safe and sound banking practices.

(e) *Value-at-risk (VAR)* means the estimate of the maximum amount that the value of covered positions could decline due to market price or rate movements during a fixed holding period within a stated confidence level, measured in accordance with section 4 of this appendix.

Section 3. Adjustments to the Risk-Based Capital Ratio Calculations

(a) *Risk-based capital ratio denominator.* An organization subject to this appendix shall calculate its risk-based capital ratio denominator as follows:

(1) *Adjusted risk-weighted assets.* Calculate adjusted risk-weighted assets, which equals risk-weighted assets (as determined in accordance with appendix A of this part) excluding the risk-weighted amounts of all covered positions (except foreign-exchange positions outside the trading account and over-the-counter derivative positions)⁷ and receivables arising from the posting of cash collateral that is associated with securities borrowing transactions to the extent the receivables are collateralized by the market value of the borrowed securities, provided that the following conditions are met:

(i) The transaction is based on securities includable in the trading book that are liquid and readily marketable,

(ii) The transaction is marked to market daily,

(iii) The transaction is subject to daily margin maintenance requirements, and

(iv)(A) The transaction is a securities contract for the purposes of section 555 of the Bankruptcy Code (11 U.S.C. 555), a qualified financial contract for the purposes of section 11(e)(8) of the Federal Deposit Insurance Act (12 U.S.C. 1821(e)(8)), or a netting contract between or among financial institutions for the purposes of sections 401–407 of the Federal Deposit Insurance Corporation Improvement Act of 1991 (12 U.S.C. 4401–4407), or the Board's Regulation EE (12 CFR part 231); or

(B) If the transaction does not meet the criteria set forth in paragraph (iv)(A) of this section, then either:

⁴A bank holding company that voluntarily complies with the final rule prior to January 1, 1998, must comply with all of its provisions.

⁵Subject to supervisory review, a bank may exclude structural positions in foreign currencies from its covered positions.

⁶The term trading account is defined in the instructions to the Call Report.

⁷Foreign-exchange positions outside the trading account and all over-the-counter derivative positions, whether or not in the trading account, must be included in adjusted risk-weighted assets as determined in appendix A of this part.

(I) The bank has conducted sufficient legal review to reach a well-founded conclusion that:

(i) The securities borrowing agreement executed in connection with the transaction provides the bank the right to accelerate, terminate, and close-out on a net basis all transactions under the agreement and to liquidate or set off collateral promptly upon an event of counterparty default, including in a bankruptcy, insolvency, or other similar proceeding of the counterparty; and

(ii) Under applicable law of the relevant jurisdiction, its rights under the agreement are legal, valid, binding, and enforceable and any exercise of rights under the agreement will not be stayed or avoided; or

(2) The transaction is either overnight or unconditionally cancelable at any time by the bank, and the bank has conducted sufficient legal review to reach a well-founded conclusion that:

(i) The securities borrowing agreement executed in connection with the transaction provides the bank the right to accelerate, terminate, and close-out on a net basis all transactions under the agreement and to liquidate or set off collateral promptly upon an event of counterparty default; and

(ii) Under the law governing the agreement, its rights under the agreement are legal, valid, binding, and enforceable.

(2) *Measure for market risk.* Calculate the measure for market risk, which equals the sum of the VAR-based capital charge, the specific risk add-on (if any), and the capital charge for de minimis exposures (if any).

(i) *VAR-based capital charge.* The VAR-based capital charge equals the higher of:

(A) The previous day's VAR measure; or

(B) The average of the daily VAR measures for each of the preceding 60 business days multiplied by three, except as provided in section 4(e) of this appendix;

(ii) *Specific risk add-on.* The specific risk add-on is calculated in accordance with section 5 of this appendix; and

(iii) *Capital charge for de minimis exposure.* The capital charge for de minimis exposure is calculated in accordance with section 4(a) of this appendix.

(3) *Market risk equivalent assets.* Calculate market risk equivalent assets by multiplying the measure for market risk (as calculated in paragraph (a)(2) of this section) by 12.5.

(4) *Denominator calculation.* Add market risk equivalent assets (as calculated in paragraph (a)(3) of this section) to adjusted risk-weighted assets (as calculated in paragraph (a)(1) of this section). The resulting sum is the organization's risk-based capital ratio denominator.

(b) *Risk-based capital ratio numerator.* An organization subject to this appendix shall calculate its risk-based capital ratio numerator by allocating capital as follows:

(1) *Credit risk allocation.* Allocate Tier 1 and Tier 2 capital equal to 8.0 percent of adjusted risk-weighted assets (as calculated in paragraph (a)(1) of this section).⁸

(2) *Market risk allocation.* Allocate Tier 1, Tier 2, and Tier 3 capital equal to the measure for market risk as calculated in paragraph (a)(2) of this section. The sum of Tier 2 and Tier 3 capital allocated for market risk must not exceed 250 percent of Tier 1 capital allocated for market risk. (This requirement means that Tier 1 capital allocated in this paragraph (b)(2) must equal at least 28.6 percent of the measure for market risk.)

(3) *Restrictions.* (i) The sum of Tier 2 capital (both allocated and excess) and Tier 3 capital (allocated in paragraph (b)(2) of this section) may not exceed 100 percent of Tier 1 capital (both allocated and excess).⁹

(ii) Term subordinated debt (and intermediate-term preferred stock and related surplus) included in Tier 2 capital (both allocated and excess) may not exceed 50 percent of Tier 1 capital (both allocated and excess).

(4) *Numerator calculation.* Add Tier 1 capital (both allocated and excess), Tier 2 capital (both allocated and excess), and Tier 3 capital (allocated under paragraph (b)(2) of this section). The resulting sum is the organization's risk-based capital ratio numerator.

Section 4. Internal Models

(a) *General.* For risk-based capital purposes, a bank holding company subject to this appendix must use its internal model to measure its daily VAR, in accordance with the requirements of this section.¹⁰ The Federal Reserve may permit an organization to use alternative techniques to measure the market risk of de minimis exposures so long

⁸An institution may not allocate Tier 3 capital to support credit risk (as calculated under appendix A of this part).

⁹Excess Tier 1 capital means Tier 1 capital that has not been allocated in paragraphs (b)(1) and (b)(2) of this section. Excess Tier 2 capital means Tier 2 capital that has not been allocated in paragraph (b)(1) and (b)(2) of this section, subject to the restrictions in paragraph (b)(3) of this section.

¹⁰An organization's internal model may use any generally accepted measurement techniques, such as variance-covariance models, historical simulations, or Monte Carlo simulations. However, the level of sophistication and accuracy of an organization's internal model must be commensurate with the nature and size of its covered positions. An organization that modifies its existing modeling procedures to comply with the requirements of this appendix for risk-based capital purposes should, nonetheless, continue to use the internal model it considers most appropriate in evaluating risks for other purposes.

as the techniques adequately measure associated market risk.

(b) *Qualitative requirements.* A bank holding company subject to this appendix must have a risk management system that meets the following minimum qualitative requirements:

(1) The organization must have a risk control unit that reports directly to senior management and is independent from business trading units.

(2) The organization’s internal risk measurement model must be integrated into the daily management process.

(3) The organization’s policies and procedures must identify, and the organization must conduct, appropriate stress tests and backtests.¹¹ The organization’s policies and procedures must identify the procedures to follow in response to the results of such tests.

(4) The organization must conduct independent reviews of its risk measurement and risk management systems at least annually.

(c) *Market risk factors.* The organization’s internal model must use risk factors sufficient to measure the market risk inherent in all covered positions. The risk factors must address interest rate risk,¹² equity price risk, foreign exchange rate risk, and commodity price risk.

(d) *Quantitative requirements.* For regulatory capital purposes, VAR measures must meet the following quantitative requirements:

(1) The VAR measures must be calculated on a daily basis using a 99 percent, one-tailed confidence level with a price shock equivalent to a ten-business day movement in rates and prices. In order to calculate VAR measures based on a ten-day price shock, the organization may either calculate ten-day figures directly or convert VAR figures based on holding periods other than ten days to the equivalent of a ten-day holding period (for instance, by multiplying a one-day VAR measure by the square root of ten).

(2) The VAR measures must be based on an historical observation period (or effective observation period for an organization using a weighting scheme or other similar method)

¹¹ Stress tests provide information about the impact of adverse market events on a bank’s covered positions. Backtests provide information about the accuracy of an internal model by comparing an organization’s daily VAR measures to its corresponding daily trading profits and losses.

¹² For material exposures in the major currencies and markets, modeling techniques must capture spread risk and must incorporate enough segments of the yield curve—at least six—to capture differences in volatility and less than perfect correlation of rates along the yield curve.

of at least one year. The organization must update data sets at least once every three months or more frequently as market conditions warrant.

(3) The VAR measures must include the risks arising from the non-linear price characteristics of options positions and the sensitivity of the market value of the positions to changes in the volatility of the underlying rates or prices. An organization with a large or complex options portfolio must measure the volatility of options positions by different maturities.

(4) The VAR measures may incorporate empirical correlations within and across risk categories, provided that the organization’s process for measuring correlations is sound. In the event that the VAR measures do not incorporate empirical correlations across risk categories, then the organization must add the separate VAR measures for the four major risk categories to determine its aggregate VAR measure.

(e) *Backtesting.* (1) Beginning one year after a bank holding company starts to comply with this appendix, it must conduct backtesting by comparing each of its most recent 250 business days’ actual net trading profit or loss¹³ with the corresponding daily VAR measures generated for internal risk measurement purposes and calibrated to a one-day holding period and a 99th percentile, one-tailed confidence level.

(2) Once each quarter, the organization must identify the number of exceptions, that is, the number of business days for which the magnitude of the actual daily net trading loss, if any, exceeds the corresponding daily VAR measure.

(3) A bank holding company must use the multiplication factor indicated in Table 1 of this appendix in determining its capital charge for market risk under section 3(a)(2)(i)(B) of this appendix until it obtains the next quarter’s backtesting results, unless the Federal Reserve determines that a different adjustment or other action is appropriate.

TABLE 1—MULTIPLICATION FACTOR BASED ON RESULTS OF BACKTESTING

Number of exceptions	Multiplication factor
4 or fewer	3.00
5	3.40
6	3.50
7	3.65
8	3.75
9.	

¹³ Actual net trading profits and losses typically include such things as realized and unrealized gains and losses on portfolio positions as well as fee income and commissions associated with trading activities.

TABLE 1—MULTIPLICATION FACTOR BASED ON RESULTS OF BACKTESTING—Continued

Number of exceptions	Multiplication factor
10 or more	4.00

Section 5. Specific Risk

(a) *Modeled specific risk.* A bank holding company may use its internal model to measure specific risk. If the organization has demonstrated to the Federal Reserve that its internal model measures the specific risk, including event and default risk as well as idiosyncratic variation, of covered debt and equity positions and includes the specific risk measures in the VAR-based capital charge in section 3(a)(2)(i) of this appendix, then the organization has no specific risk add-on for purposes of section 3(a)(2)(ii) of this appendix. The model should explain the historical price variation in the trading portfolio and capture concentration, both magnitude and changes in composition. The model should also be robust to an adverse environment and have been validated through backtesting which assesses whether specific risk is being accurately captured.

(b) *Partially modeled specific risk.* (1) A bank holding company that incorporates specific risk in its internal model but fails to demonstrate to the Federal Reserve that its internal model adequately measures all aspects of specific risk for covered debt and equity positions, including event and default risk, as provided by section 5(a) of this appendix, must calculate its specific risk add-on in accordance with one of the following methods:

(i) If the model is susceptible to valid separation of the VAR measure into a specific risk portion and a general market risk portion, then the specific risk add-on is equal to the previous day's specific risk portion.

(ii) If the model does not separate the VAR measure into a specific risk portion and a general market risk portion, then the specific risk add-on is the sum of the previous day's VAR measures for subportfolios of covered debt and equity positions that contain specific risk.

(2) If a bank holding company models the specific risk of covered debt positions but not covered equity positions (or vice versa), then the bank holding company may determine its specific risk charge for the included positions under section 5(a) or 5(b)(1) of this appendix, as appropriate. The specific risk charge for the positions not included equals the standard specific risk capital charge under paragraph (c) of this section.

(c) *Specific risk not modeled.* If a bank holding company does not model specific risk in accordance with section 5(a) or 5(b) of this appendix, then the organization's specific

risk capital charge shall equal the standard specific risk capital charge, calculated as follows:

(1) *Covered debt positions.* (i) For purposes of this section 5, covered debt positions means fixed-rate or floating-rate debt instruments located in the trading account or instruments located in the trading account with values that react primarily to changes in interest rates, including certain non-convertible preferred stock, convertible bonds, and instruments subject to repurchase and lending agreements. Also included are derivatives (including written and purchased options) for which the underlying instrument is a covered debt instrument that is subject to a non-zero specific risk capital charge.

(A) For covered debt positions that are derivatives, an organization must risk-weight (as described in paragraph (c)(1)(iii) of this section) the market value of the effective notional amount of the underlying debt instrument or index portfolio. Swaps must be included as the notional position in the underlying debt instrument or index portfolio, with a receiving side treated as a long position and a paying side treated as a short position; and

(B) For covered debt positions that are options, whether long or short, an organization must risk-weight (as described in paragraph (c)(1)(iii) of this section) the market value of the effective notional amount of the underlying debt instrument or index multiplied by the option's delta.

(ii) An organization may net long and short covered debt positions (including derivatives) in identical debt issues or indices.

(iii) An organization must multiply the absolute value of the current market value of each net long or short covered debt position by the appropriate specific risk weighting factor indicated in Table 2 of this appendix. The specific risk capital charge component for covered debt positions is the sum of the weighted values.

TABLE 2—SPECIFIC RISK WEIGHTING FACTORS FOR COVERED DEBT POSITIONS

Category	Remaining maturity (contractual)	Weighting factor (in percent)
Government	N/A	0.00
Qualifying	6 months or less	0.25
	Over 6 months to 24 months.	1.00
Other	Over 24 months	1.60
	N/A	8.00

(A) The *government* category includes all debt instruments of central governments of

OECD-based countries¹⁴ including bonds, Treasury bills, and other short-term instruments, as well as local currency instruments of non-OECD central governments to the extent the organization has liabilities booked in that currency.

(B) The *qualifying* category includes debt instruments of U.S. government-sponsored agencies, general obligation debt instruments issued by states and other political subdivisions of OECD-based countries, multilateral development banks, and debt instruments issued by U.S. depository institutions or OECD banks that do not qualify as capital of the issuing institution.¹⁵ This category also includes other debt instruments, including corporate debt and revenue instruments issued by states and other political subdivisions of OECD countries, that are:

(1) Rated investment-grade by at least two nationally recognized credit rating services;

(2) Rated investment grade by one nationally recognized credit rating agency and not rated less than investment grade by any other credit rating agency; or

(3) Unrated, but deemed to be of comparable investment quality by the reporting organization and the issuer has instruments listed on a recognized stock exchange, subject to review by the Federal Reserve.

(C) The *other* category includes debt instruments that are not included in the government or qualifying categories.

(2) *Covered equity positions.* (i) For purposes of this section 5, covered equity positions means equity instruments located in the trading account and instruments located in the trading account with values that react primarily to changes in equity prices, including voting or non-voting common stock, certain convertible bonds, and commitments to buy or sell equity instruments. Also included are derivatives (including written or purchased options) for which the underlying is a covered equity position.

(A) For covered equity positions that are derivatives, an organization must risk weight (as described in paragraph (c)(2)(iii) of this section) the market value of the effective notional amount of the underlying equity instrument or equity portfolio. Swaps must be included as the notional position in the underlying equity instrument or index portfolio, with a receiving side treated as a long position and a paying side treated as a short position; and

(B) For covered equity positions that are options, whether long or short, an organization must risk weight (as described in para-

graph (c)(2)(iii) of this section) the market value of the effective notional amount of the underlying equity instrument or index multiplied by the option's delta.

(i) An organization may net long and short covered equity positions (including derivatives) in identical equity issues or equity indices in the same market.¹⁶

(iii)(A) An organization must multiply the absolute value of the current market value of each net long or short covered equity position by a risk weighting factor of 8.0 percent, or by 4.0 percent if the equity is held in a portfolio that is both liquid and well-diversified.¹⁷ For covered equity positions that are index contracts comprising a well-diversified portfolio of equity instruments, the net long or short position is to be multiplied by a risk weighting factor of 2.0 percent.

(B) For covered equity positions from the following futures-related arbitrage strategies, an organization may apply a 2.0 percent risk weighting factor to one side (long or short) of each equity position with the opposite side exempt from charge, subject to review by the Federal Reserve:

(1) Long and short positions in exactly the same index at different dates or in different market centers; or

(2) Long and short positions in index contracts at the same date in different but similar indices.

(C) For futures contracts on broadly-based indices that are matched by offsetting positions in a basket of stocks comprising the index, an organization may apply a 2.0 percent risk weighting factor to the futures and stock basket positions (long and short), provided that such trades are deliberately entered into and separately controlled, and that the basket of stocks comprises at least 90 percent of the capitalization of the index.

¹⁶An organization may also net positions in depository receipts against an opposite position in the underlying equity or identical equity in different markets, provided that the organization includes the costs of conversion.

¹⁷A portfolio is liquid and well-diversified if: (1) it is characterized by a limited sensitivity to price changes of any single equity issue or closely related group of equity issues held in the portfolio; (2) the volatility of the portfolio's value is not dominated by the volatility of any individual equity issue or by equity issues from any single industry or economic sector; (3) it contains a large number of individual equity positions, with no single position representing a substantial portion of the portfolio's total market value; and (4) it consists mainly of issues traded on organized exchanges or in well-established over-the-counter markets.

¹⁴Organization for Economic Cooperation and Development (OECD)-based countries is defined in appendix A of this part.

¹⁵U.S. government-sponsored agencies, multilateral development banks, and OECD banks are defined in appendix A of this part.

(iv) The specific risk capital charge component for covered equity positions is the sum of the weighted values.

[61 FR 47373, Sept. 6, 1996, as amended at 62 FR 68068, Dec. 30, 1997; 64 FR 19038, Apr. 19, 1999; 65 FR 75859, Dec. 5, 2000; 69 FR 44921, July 28, 2004; 71 FR 8937, Feb. 22, 2006]

APPENDIX F TO PART 225—INTERAGENCY
GUIDELINES ESTABLISHING INFORMATION
SECURITY STANDARDS

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I. INTRODUCTION

These Interagency Guidelines Establishing Information Security Standards (Guidelines) set forth standards pursuant to sections 501 and 505 of the Gramm-Leach-Bliley Act (15 U.S.C. 6801 and 6805). These Guidelines address standards for developing and implementing administrative, technical, and physical safeguards to protect the security, confidentiality, and integrity of customer information.

A. *Scope.* The Guidelines apply to customer information maintained by or on behalf of bank holding companies and their nonbank subsidiaries or affiliates (except brokers, dealers, persons providing insurance, investment companies, and investment advisors), for which the Board has supervisory authority.

B. *Preservation of Existing Authority.* These Guidelines do not in any way limit the authority of the Board to address unsafe or unsound practices, violations of law, unsafe or unsound conditions, or other practices. The Board may take action under these Guidelines independently of, in conjunction with, or in addition to, any other enforcement action available to the Board.

C. *Definitions.* 1. Except as modified in the Guidelines, or unless the context otherwise requires, the terms used in these Guidelines have the same meanings as set forth in sections 3 and 39 of the Federal Deposit Insurance Act (12 U.S.C. 1813 and 1831p-1).

2. For purposes of the Guidelines, the following definitions apply:

a. *Board of directors*, in the case of a branch or agency of a foreign bank, means the managing official in charge of the branch or agency.

b. *Customer* means any customer of the bank holding company as defined in §216.3(h) of this chapter.

c. *Customer information* means any record containing nonpublic personal information, as defined in §216.3(n) of this chapter, about a customer, whether in paper, electronic, or other form, that is maintained by or on behalf of the bank holding company.

d. *Customer information systems* means any methods used to access, collect, store, use, transmit, protect, or dispose of customer information.

e. *Service provider* means any person or entity that maintains, processes, or otherwise is permitted access to customer information through its provision of services directly to the bank holding company.

f. *Subsidiary* means any company controlled by a bank holding company, except a broker, dealer, person providing insurance, investment company, investment advisor, insured depository institution, or subsidiary of an insured depository institution.

II. STANDARDS FOR SAFEGUARDING CUSTOMER
INFORMATION

A. *Information Security Program.* Each bank holding company shall implement a comprehensive written information security program that includes administrative, technical, and physical safeguards appropriate to the size and complexity of the bank holding company and the nature and scope of its activities. While all parts of the bank holding company are not required to implement a uniform set of policies, all elements of the information security program must be coordinated. A bank holding company also shall ensure that each of its subsidiaries is subject to a comprehensive information security program. The bank holding company may fulfill this requirement either by including a subsidiary within the scope of the bank holding company's comprehensive information security program or by causing the subsidiary to implement a separate comprehensive information security program in accordance with the standards and procedures in sections II and III of this appendix that apply to bank holding companies.

B. *Objectives.* A bank holding company's information security program shall be designed to:

1. Ensure the security and confidentiality of customer information;
2. Protect against any anticipated threats or hazards to the security or integrity of such information; and
3. Protect against unauthorized access to or use of such information that could result