

Reserve Maintenance Seminar

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Agenda

- History and purpose of reserves
- Reserve requirement calculation
- Clearing balance requirements
- As-of adjustments
- Account maintenance and position
- Deficiencies, penalties and waivers
- ReserveCalc

History & Purpose of Reserves



Overview

- Legislation affecting reserve requirements
- Goals of Monetary Policy
- The link between Monetary Policy and the Reserves Market
- Instruments used in the implementation of Monetary Policy

Federal Reserve Act (1913)

- Section 19 of the Act empowers the Federal Reserve to require depository institutions to hold a portion of their deposits as a reserve.
- This fractional reserve system is one of the tools used to implement monetary policy.

Federal Reserve Act (1913)

- Section 19 of the Act is codified in Regulation D.
- Regulation D details the following:
 - Definition of a deposit
 - Definition of types of deposits
 - Computation and maintenance rules for reserve requirements
 - Form of reserves

Federal Reserve Act (1913)

- Regulation D details the following: (continued)
 - Deductions from reserve requirements
 - Carryover rules
 - Transitional adjustments for mergers
 - Supplemental and emergency reserve requirements
 - Penalties
 - International Banking Facilities

International Banking Act (1978)

- Brought foreign banks in the U.S. within the federal regulatory framework
- Leveled the “playing field” between domestic and foreign banks
- Key provision for reserve requirements:

ALL U.S. branches and agencies of foreign banks are subject to reserve requirements

Monetary Control Act (1980)

- Reformed reserve requirements to end the problem of banks leaving the Federal Reserve System
- Imposes reserve requirements on all institutions that have transaction accounts, non-personal savings and time deposits, or Eurocurrency liabilities
- Established an exemption amount

Monetary Control Act (1980)

- Key provisions for reserve requirements:
ALL depository institutions are subject to reserve requirements including:
 - Member/nonmember commercial banks
 - Thrift institutions (including credit unions)
 - U.S. branches and agencies of foreign banks
 - Edge and agreement corporationsCreated a two week computation and maintenance period to allow flexibility in managing reserves

Garn St. Germain Act (1982)

- Includes a number of provisions to facilitate deregulation of the banking industry

- Key provisions for reserve requirements:

_Requires that institutions with less than \$2 million in reservable liabilities be exempt from reserve requirements

Requires that this amount be indexed annually based on aggregate deposit growth

Garn St. Germain Act (1982)

- Key provisions for reserve requirements:

Changed computation and maintenance periods for transaction accounts to contemporaneous from lagged

Riegle-Neal Interstate Banking and Efficiency Act (1994)

- Allows interstate banking and branching
- Key provisions for reserve requirements:

Allowing banks to have a multi-state presence, required significant changes to the Federal Reserve account structure
- As a result, subaccounts were created

Regulation D

- Regulation D defines depository institutions that are subject to reserve requirements, the liabilities that are reservable, and the associated reporting reserve calculations and maintenance requirements.

Uses of Reserves Data

- The primary use of reserves information is for implementing and supporting monetary policy.

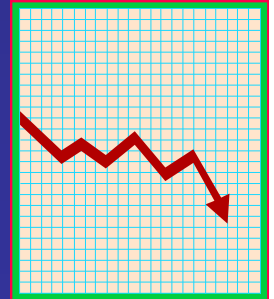


Monetary Policy & the Reserves Market

- The basic link between monetary policy and the economy is through the market for reserves, more commonly known as the federal funds market.
- Institutions borrow and lend on an overnight basis.
- The interest rate charged for the use of these funds is known as the federal funds rate.

Importance of Fed Funds Rate

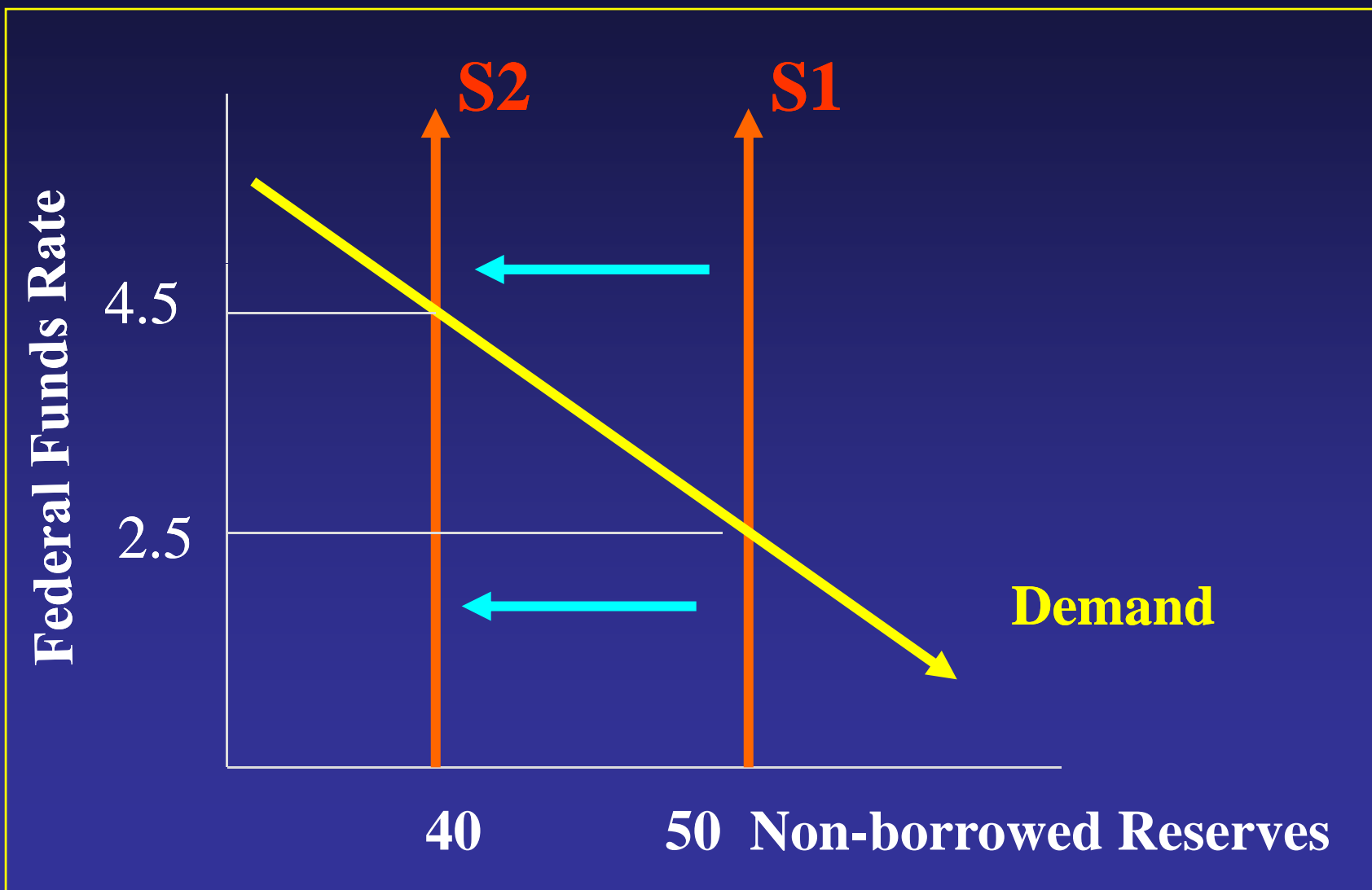
- A change in the demand or supply of reserves will result in a change in the federal funds rate which in turn tends to spread quickly to other interest rates.



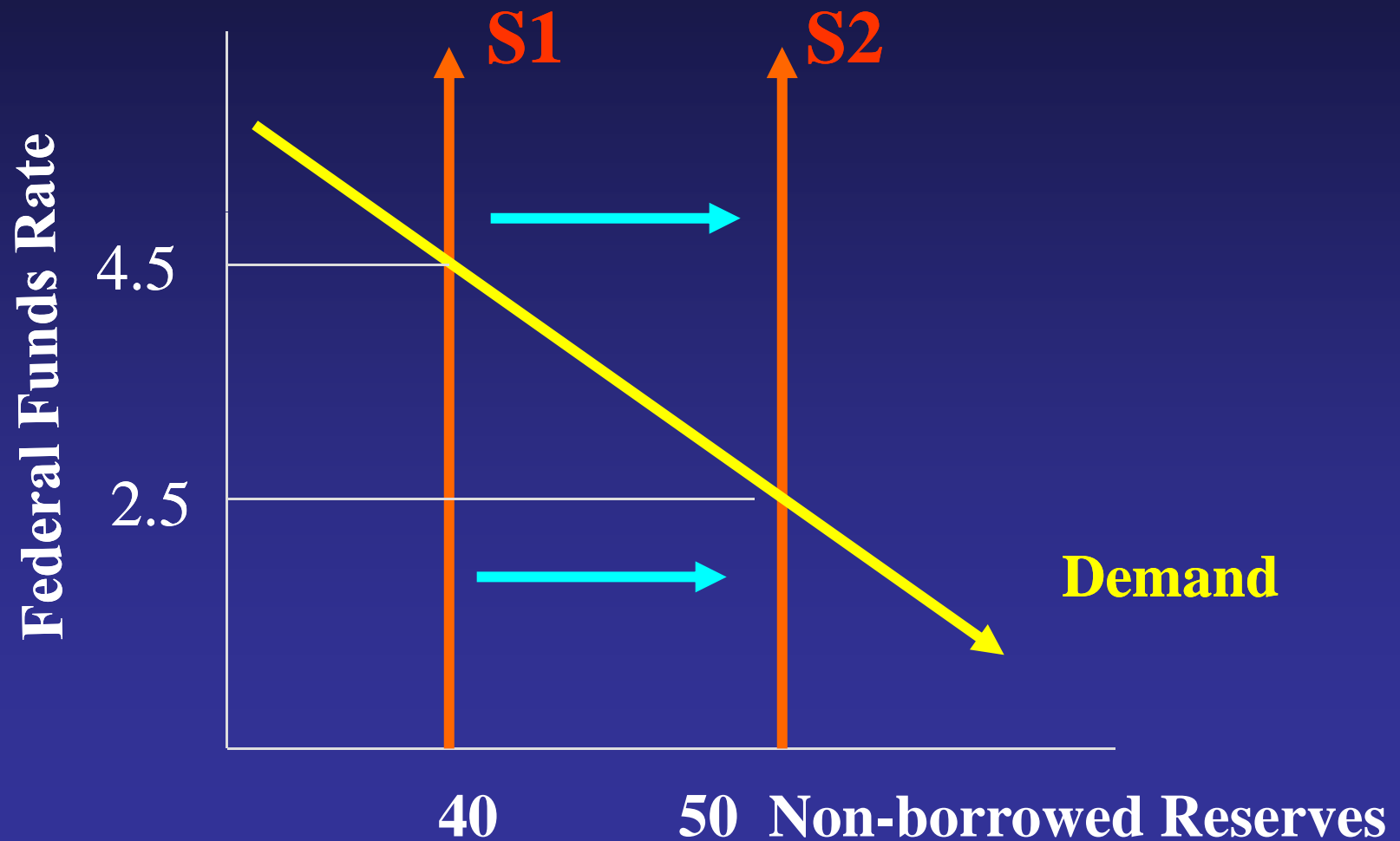
Targeting the Fed Funds Rate

- The Federal Open Market Committee defines the target fed funds rate necessary to promote the goals of maximum employment, stable prices, and moderate long-term interest rates.
- Open Market Operations involve adjustment in the supply of bank reserves, relative to reserve demand, in order to achieve and maintain desired financial market conditions.

Draining Reserves



Adding Reserves



Reserves Market

- Demand in the Reserves Market is determined by each bank's need to meet reserve requirements as defined in Regulation D.

Reserves Market

- The supply of reserves is the amount of reserves currently in the market which consists of:
 - Discount Window Lending (Borrowed Reserves)
 - Nonborrowed Reserves - Influenced by the purchase or sale of securities by the Open Market Trading Desk

Monetary Policy

- The tools used to implement monetary policy :
 - Reserve Requirements
 - Discount Window Lending
 - Open Market Operations

Reserve Requirement Calculation



Objectives

- Computation Period
- Maintenance Period
- Exemption
- Low Reserve Tranche
- Reserve Ratios
- Reserve Requirement Calculation
- Report of Required Reserves
- Transitional Adjustments for Mergers

Computation Period

Weekly FR 2900:

- The computation period for weekly FR 2900 reporters consists of 14 consecutive days beginning on a Tuesday and ending on the second Monday thereafter.

Weekly Reporters (FR 2900) Computation Period

Example

FR 2900 Reporting
Periods

Computation
Period

09/16/03 (Tues) to
09/22/03 (Mon)

09/23/03 (Tues) to
09/29/03 (Mon)

09/16/03 (Tues) to
09/29/03 (Mon)

```
graph LR; A["09/16/03 (Tues) to 09/22/03 (Mon)"] --> C["09/16/03 (Tues) to 09/29/03 (Mon)"]; B["09/23/03 (Tues) to 09/29/03 (Mon)"] --> C;
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Quarterly Reporters (FR 2900Q) Computation Period

FR 2900Q:

- The computation period for FR 2900Q reporters consists of 7 consecutive days beginning on a Tuesday and ending on the Monday thereafter.

Example

09/16/03 (Tues) to 09/22/03 (Mon)

Reserve Maintenance Period

Weekly FR 2900:

- A reserve maintenance period for FR 2900 reporters consists of 14 consecutive days beginning on a Thursday and ending on the second Wednesday thereafter.

Example

09/18/03 (Thurs) to 10/01/03 (Wed).

Reserve Maintenance Period

- The reserve requirement to be satisfied during a 14-day reserve maintenance period is based on the daily average level of reservable liabilities during the computation period.

Reserve Maintenance Period

- The weekly reserve maintenance period starts 30 days after the beginning of a computation period.

| Computation Period | Maintenance Period |
|----------------------|----------------------|
| 08/19/03 to 08/25/03 | 09/18/03 to 10/01/03 |
| 08/26/02 to 09/01/03 | |

Reserve Maintenance Period

- The same lag is used in the computation of vault cash which is applied to satisfy the reserve requirement.

| Vault Cash | Computation Period | Maintenance Period |
|---------------------------------|---------------------------|---------------------------|
| 08/19/03 to 09/01/03 | 08/19/03 to 09/01/03 | 09/18/03 to 10/01/03 |

Reserve Maintenance Period

Quarterly FR 2900:

- The reserve maintenance period for quarterly FR 2900 reporters consists of 7 consecutive days beginning on a Thursday and ending on the following Wednesday.

Example

10/16/03 (Thurs) to 10/22/03 (Wed)

Reserve Maintenance Period

- The reserve requirement to be satisfied during each quarterly reserve maintenance period is based on the daily average level of reservable liabilities during the 7-day computation period.

| Computation Period (Quarterly) | Maintenance Periods |
|-----------------------------------|----------------------|
| 09/16/03 to 09/22/03 | 10/16/03 to 01/14/04 |

Reserve Maintenance Period

- A quarterly reserve maintenance cycle usually consists of 13 successive one week maintenance periods that begin on the third Thursday following the end of the computation period.

Quarterly Reserve Maintenance

| Computation Period Cycle (Includes Vault Cash) | Maintenance Periods (13 Weeks) |
|--|-----------------------------------|
| 09/16/03 to 09/22/03 | 10/16/03 to 01/14/04 |
| 12/16/03 to 12/22/03 | 01/15/04 to 04/15/04 |

Exemption Level

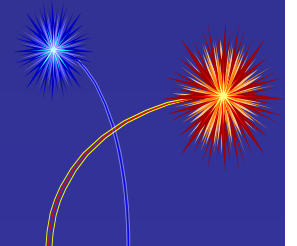
- The exemption level is the amount of an institution's net transaction accounts that is subject to a reserve requirement of zero percent.
- The exemption amount is adjusted annually.
- When calculating reserve requirements, the exemption amount is subtracted from reservable liabilities before the reserve ratios are applied.

Low Reserve Tranche

- The low reserve tranche is the amount of an institution's net transaction accounts that is subject to a reserve requirement of 3 percent.
- The low reserve tranche is adjusted annually.

Reserve Tranche

- The amount of an institution's reservable liabilities that is over the low reserve tranche is subject to a reserve requirement of 10 percent.
- Adjusted annually



Low Reserve Tranche

Example:

| | |
|--|---------|
| Net Transaction Accounts | \$ 100m |
| • Reserved at 0 Percent (exemption amount) | \$ 6.0m |
| • Reserved at 3 percent $\$42.1\text{m} - \$6.0\text{m} =$ (low reserve tranche) | \$36.1m |
| • Reserved at 10 percent $\$100\text{m} - \$42.1\text{m} =$ (amount above low reserve tranche) | \$57.9m |

Low Reserve Tranche

- Each depository institution that files the FR 2900 report is allocated the full exemption amount and low reserve tranche.



FR 2930 Annual Report

- Allocation of Low Reserve Tranche and Reservable Liabilities Exemption.
- Adjusted annually

FR 2930 Annual Report

- The following institutions share a single exemption amount and a single low reserve tranche even though they file separate FR 2900 reports:
 - All U.S. Branches and Agencies that share the same foreign direct parent bank, and
 - Edge and Agreement corporations

Low Reserve Tranche

Example

ABC Bank in Tokyo has three separately chartered branches located in the U.S.

These three U.S. branches would share a single exemption and a single low reserve tranche.

Allocation of Low Reserve Tranche and Reservable Liabilities Exemption for U.S. Branches and Agencies of Foreign Banks and Edge and Agreement Corporations

Effective for the 14-day reserve computation period beginning Tuesday, _____.

List below for each office, or for each group of offices filing a single aggregated Report of Transaction Accounts, Other Deposits and Vault Cash (FR 2000), the amount of the low reserve tranche (Column 3) and the amount of the reservable liabilities exemption (Column 4) to be assigned to each office or group of offices.

PLEASE READ INSTRUCTIONS PRIOR TO COMPLETION OF THIS FORM.

| Column 1 | Column 2 | Column 3 | | Column 4 | |
|---|--------------------------|---|------|--|------|
| Name and location of each office reporting on the FR 2000 | Federal Reserve District | Amount of Low Reserve Tranche Allocation ^a | | Amount of Reservable Liabilities Exemption Allocation ^b | |
| | | Mil | Thou | Mil | Thou |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| TOTAL | | | | | |

If additional space is necessary, please attach a separate sheet.

I certify that the information shown on this report is correct.

Name and address of reporting institution

Please return to:

A copy of this report **must** be submitted to **each** Federal Reserve Bank in whose District an office or group of offices that is allocated a portion of the low reserve tranche or the reservable liabilities exemption is located, one week prior to the computation period for which the allocation reported on this form is to be effective. (Please file even if these allocations are zero.) See the instructions for this report for detailed information pertaining to the allocations and for a list of addresses for each Federal Reserve Bank.

\$46.5 _____

\$4.9 _____

Reserve Ratios

- Reserve requirements are calculated by applying the reserve ratios to daily-average Net Transaction Accounts in a reserve computation period.



Reserve Ratios

- Reserve ratios are applied to the net transaction accounts of all U.S. depository institutions that are required to file the Report of Transaction Accounts, Other Deposits and Vault Cash (FR 2900).
- The reserve ratios that are applied to Weekly FR 2900 reporters are also applied to Quarterly FR 2900Q reporters.

Reserve Ratios

Effective November 26, 2002

Categories

Reserve Ratios

Net Transaction Accounts:

From \$0 to (& including) \$6.0m

0 Percent

Over \$6.0m to (& including) \$42.1m

3 Percent

Over \$42.1m

10 Percent

Nonpersonal savings & time deposits

0 Percent

Eurocurrency Liabilities

0 Percent

Requirement Calculation

- Four steps to calculate your Reserve Requirement (RR):
 - 1 Calculate Daily Average Net Transaction Accounts
 - 2 Apply Exemption
 - 3 Apply Reserve Ratios
 - 4 Add RR at 3% to RR at 10% for Total RR

STEP 1: Calculate Daily Average NTA

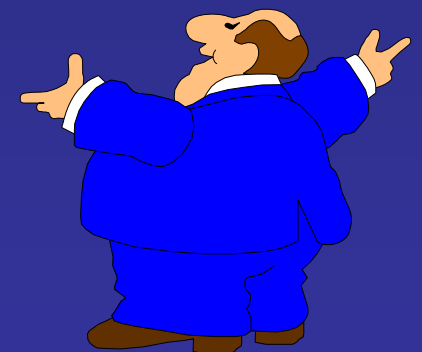
- Total FR 2900 Week 1 and Week 2 data for:
 - Line A3, Total Transaction Accounts
 - Line B1, Due From U.S. Banks
 - Line B2, CIPC
- $NTA = \text{Total Transaction Accounts (Line A3)}$
less Due From U.S. Banks (Line B1)
less CIPC (Line B2).
- Daily Average NTA = $NTA/14$

STEPS 2 & 3: Apply Exemption & Reserve Ratios

- Calculate amount of net transaction accounts (NTA) that exceeds the exemption.
- Apply Reserve Ratios:
 - (1) Multiply by 3 percent the amount of Daily Average NTA $>$ \$6.0 million but \leq Low Reserve Tranche \$42.1 million
 - (2) Multiply by 10 percent the amount of Daily Average NTA $>$ Tranche \$42.1 million

STEP 4: Sum Requirement

- Daily Average Reserve Requirement (RR) equals 3% Requirement plus 10% Requirement



Vault Cash

- Vault Cash is calculated by adding week 1 and week 2 together, then dividing by 14 (similar to how NTA was calculated) to derive the daily average.
- This figure is factored in after reserve requirements and the tranche loss adjustment have been calculated.
- Vault Cash is used to satisfy required reserves.

Reserve Requirement Calculation Workshop



Step One- Calculate Net Transaction Accounts

Sample FR 2900- Week 1

(\$ in thousands)

| | Tues (col.1) | Wed (col.2) | Thur (col.3) | Fri (col.4) | Sat (col.5) | Sun (col.6) | Mon (col.7) | TOTAL (col.8) |
|------------|------------------------|-----------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------|
| A1a | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| A1b | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| A1c | 75,000 | 150,000 | 125,000 | 128,000 | 128,000 | 128,000 | 35,000 | 769,000 |
| A2 | 5,000 | 5,000 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 25,000 |
| A3 | 80,000 | 155,000 | 128,000 | 131,000 | 131,000 | 131,000 | 38,000 | 794,000 |
| B1 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 7,000 |
| B2 | 20,000 | 75,000 | 50,000 | 50,000 | 50,000 | 50,000 | 5,000 | 300,000 |

Step One- Calculate Net Transaction Accounts

Sample FR 2900- Week 2

(\$ in thousands)

| | Tues (col.1) | Wed (col.2) | Thur (col.3) | Fri (col.4) | Sat (col.5) | Sun (col.6) | Mon (col.7) | TOTAL (col.8) |
|------------|------------------------|-----------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------|
| A1a | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| A1b | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| A1c | 200,000 | 250,000 | 50,000 | 100,000 | 100,000 | 100,000 | 100,000 | 900,000 |
| A2 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 21,000 |
| A3 | 203,000 | 253,000 | 53,000 | 103,000 | 103,000 | 103,000 | 103,000 | 921,000 |
| B1 | 2,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 8,000 |
| B2 | 50,000 | 100,000 | 10,000 | 50,000 | 50,000 | 50,000 | 40,000 | 350,000 |

Step One- Calculate Daily Average NTA

FR 2900

| | Week 1 | + | Week 2 | = | <u>Total</u> |
|--|--------|---|--------|---|--------------|
| Total Transaction Accounts (Line A3) | _____ | + | _____ | = | _____ |
| Due From U.S. Banks (Line B1) | _____ | + | _____ | = | _____ |
| <u>Cash Items In Process of Collection (Line B2)</u> | _____ | + | _____ | = | _____ |

| | <u>Total</u> |
|--|--------------|
| Total Transaction Accounts (Line A3) | _____ |
| - Due From U.S. Banks (Line B1) | _____ |
| - <u>Cash Items In Process of Collection (Line B2)</u> | _____ |
| = NTA | _____ |

NTA/14 = **Daily Average NTA** _____

Step Two- Apply Exemption

| | |
|-------------------------------|--------|
| Daily Average NTA | _____ |
| Exemption | -6,000 |
| Daily Average NTA > Exemption | _____ |

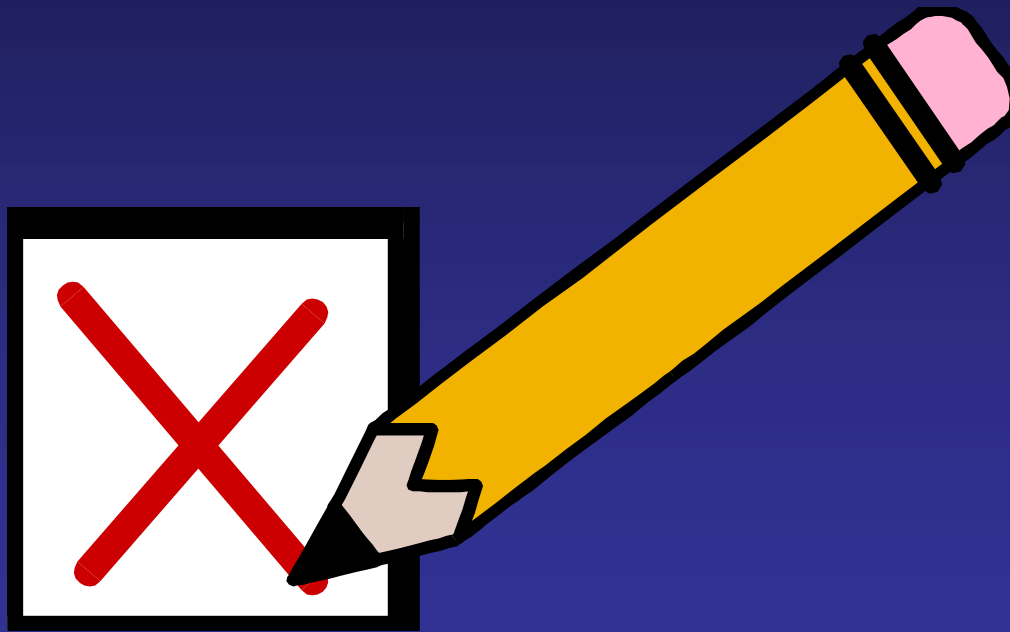
Step Three- Apply Reserve Ratios

| | |
|--|-------|
| Daily Average NTA > 6,000 but \leq Tranche (42,100) | _____ |
| (Daily Average NTA > 6,000 but \leq 42,100) x 3% = RR at 3% | _____ |
| — | |
| Daily Average NTA > Tranche (42,100) | _____ |
| (Daily Average NTA > 42,100) x 10% = RR at 10% | _____ |

Step Four- Add RR at 3% to RR at 10%

| | |
|--|-------|
| RR at 3% + RR at 10% = Daily Average RR | _____ |
|--|-------|

Answer



Step One- Calculate Net Transaction Accounts

FR 2900

| | Week 1 | + | Week 2 | = | Totals |
|--|----------------|---|----------------|---|----------------|
| Total Transaction Accounts (Line A3) | 794,000 | + | 921,000 | = | 1,715,000 |
| - Due From U.S. Banks (Line B1) | 7,000 | + | 8,000 | = | 15,000 |
| - <u>Cash Items In Process of Collection (Line B2)</u> | <u>300,000</u> | + | <u>350,000</u> | = | <u>650,000</u> |

| | <u>Total</u> |
|--|----------------|
| Total Transaction Accounts (Line A3) | 1,715,000 |
| - Due From U.S. Banks (Line B1) | 15,000 |
| - <u>Cash Items In Process of Collection (Line B2)</u> | <u>650,000</u> |
| = NTA | 1,050,000 |

NTA/14 = Daily Average NTA 1,050,000/14 = **75,000**

75,000 is the **Daily Average NTA**. We will use to calculate the **Daily Average RR**

Step Two- Apply Exemption

| | |
|--------------------------------|---------------|
| Daily Average NTA | 75,000 |
| - Exemption | (6,000) |
| =Daily Average NTA > Exemption | <u>69,000</u> |

Step Three- Apply Reserve Ratios

| | |
|--|-----------------------------|
| Daily Average NTA > 6,000 but \leq Tranche (42,100) | 36,100 |
| (Daily Average NTA > 6,000 but \leq 42,100) x 3% = RR at 3% | 36,100 x .03 = 1,083 |
| Daily Average NTA > Tranche (42,100) | 32,900 |
| (Daily Average NTA > 42,100) x 10% = RR at 10% | 32,900 x .10 = 3,290 |

Step Four- Add RR at 3% to RR at 10%

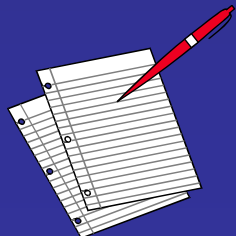
RR at 3% + RR at 10% = **Daily Average RR** **4,373**

Report of Required Reserves

- The Federal Reserve Bank of New York calculates reserve requirements and provides a report of required reserves to depository institutions before the start of each maintenance period.

Report of Required Reserves

- A preliminary report of required reserves is delivered via Fedline, fax, or email to each depository institution on the second Thursday of a maintenance period only if FR 2900 data for that corresponding computation period is incomplete.



Report of Required Reserves

- However, for those institutions with complete data, a final report of required reserves is delivered. The final report is provided on the business day following the day we receive the complete data.
- For institutions who submit their FR 2900 through Fedline, a final report of required reserves is transmitted on the business day following the day we receive the complete data.

District: 02

FEDERAL RESERVE BANK OF NEW YORK
REPORT OF REQUIRED RESERVES
(DAILY AVERAGES IN THOUSANDS)

XRPA016U
RUN DATE: 021212
RUN TIME: 190115

123456789 1234567898

CLASS BANK AND TRUST
1123 FEDERAL RESERVE STREET
NEW YORK NY 11111

XXXXXXXXXXXXXXXXXXXXXXXXXXXX
xx FINAL xx
XXXXXXXXXXXXXXXXXXXXXXXXXXXX

RESERVES REQUIRED FOR BI-WEEKLY MAINTENANCE PERIOD FROM 12-12-02 to 12-25-02

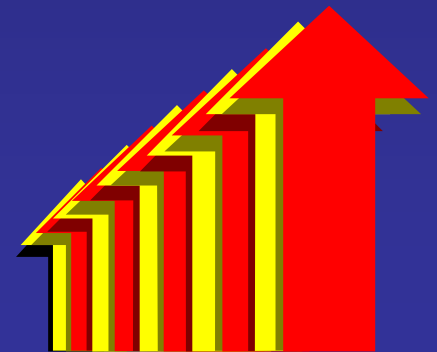
| CATEGORY | DAILY AVG DEPOSITS (000) | PERCENT APPLIED | DAILY AVG REQUIRED (000) | |
|---|-----------------------------|-----------------|-----------------------------|--------------|
| RESERVABLE LIABILITIES REPORTED | | | | |
| FROM 11-12-02 TO 11-25-02 | | | | |
| NET TRANSACTION ACCOUNTS | | | | |
| EXEMPT | 6,000 | | | |
| UP TO (\$ 36.100) MILLION | 36,100 | 3.000 | 1,083 | |
| OVER (\$ 36.100) MILLION | 10,000 | 10.000 | 1,000 | |
| RESERVE REQUIREMENT | | | 2,083 | |
| LESS TRANCHE LOSS ADJUSTMENT | | | | 800 |
| LESS USABLE PORTION OF | | | 319 | |
| 319 REPORTED VAULT CASH | | | | |
| FROM 11-12-02 TO 11-25-02 | | | | |
| RESERVES TO BE MAINTAINED | | | 964 | |
| CLEARING BALANCE REQUIREMENT | | | 50 | |
| TOTAL BALANCE REQUIRED WITH FRB NEW YORK | | | | 1,014 |

Transitional Adjustment for Mergers

- When two institutions merge, the surviving institution's reserve requirement is higher than the combined reserve requirements of the merging institutions.
- This is due to the loss of the low reserve tranche and exemption of the nonsurviving institution.

Transitional Adjustment for Mergers

- The increase in the requirement is phased in over a seven quarter period.



Example of a Transitional Adjustment for a Merger

| | Bank A (nonsurvivor) | Bank B (survivor) | Bank AB (merged survivor) |
|---|-------------------------|----------------------|------------------------------|
| Daily Average NTA | 100,000 | 150,000 | 250,000 |
| -Exempt | <u>-6,000</u> | <u>-6,000</u> | <u>-6,000</u> |
| =Daily Average NTA > 6,000 | <u>94,000</u> | <u>144,000</u> | <u>244,000</u> |
| Daily Average NTA > 6,000 but ≤ 42,100 x .03 = RR at 3% | 1,083 | 1,083 | 1,083 |
| RR > 42,100 x .10 = RR at 10% | 5,790 | 10,790 | 20,790 |
| Daily Average RR | <u>6,873</u> | <u>11,873</u> | <u>21,873</u> |
| Merged RR (Bank AB) | | | 21,873 |
| Sum of Separate RR | 6,873 + 11,873 = | | (18,746) |
| Difference is the Tranche Loss Effect | 21,873 - 18,746 | | 3,127 |
| Tranche Loss Adjustment = (Tranche Loss Effect) x (.875) | 3,127 x .875 = | | <u>2,736</u> |

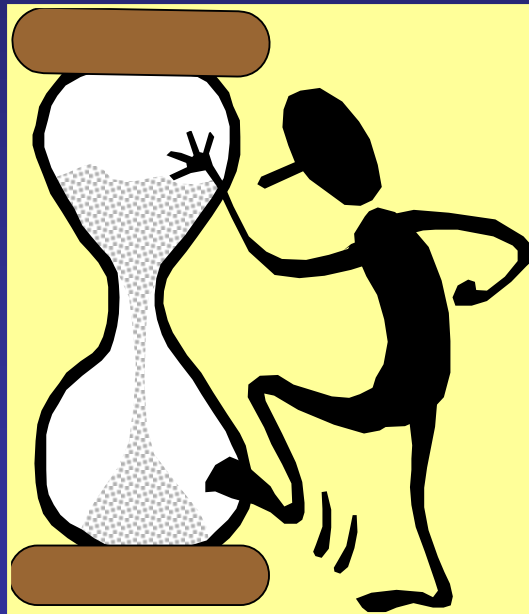
Transitional Adjustment for Mergers

| Maintenance periods occurring during quarters following merger | Number of weeks In quarter | Percentage applied to tranche loss effect to determine amount to be subtracted from reserve requirement |
|--|----------------------------|---|
| Quarter 1 | 16 | 87.5 |
| Quarter 2 | 12 | 75.0 |
| Quarter 3 | 14 | 62.5 |
| Quarter 4 | 12 | 50.0 |
| Quarter 5 | 14 | 37.5 |
| Quarter 6 | 12 | 25.0 |
| Quarter 7 | 14 | 12.5 |
| Quarter 8 and succeeding | | 0 |

Summary

- Computation Period
- Maintenance Period
- Exemption
- Low Reserve Tranche
- Reserve Ratios
- Reserve Requirement Calculation
- Report of Required Reserves
- Transitional Adjustments for Mergers

Clearing Balance Requirements



Objectives

- Clearing Balance Requirement Policy
 - Define clearing balance requirement
 - When and why policy was established
- Why establish and use clearing balances
- Policies and Procedures regarding implementation of clearing balance requirements

Objectives

- Earnings Credits
 - Priced versus non-priced services
 - Calculation of earnings credits
 - Services eligible to use earnings credits



Clearing Balance Requirement Policy

- A clearing balance requirement is an amount that an institution may contract (or be required) to maintain with a Reserve Bank in addition to any reserve balance requirement.
- Clearing balance requirements were implemented as a result of the Federal Reserve Act (as amended by the Monetary Control Act of 1980) and the International Banking Act of 1978.

Clearing Balance Requirement Policy

- A Reserve Bank may impose a clearing balance requirement if an institution has a history of frequent overnight or daylight overdrafts.
- Balances held to meet a clearing balance requirement, up to a limit, generate earnings credits that can be used to offset service charges an institution may incur through use of eligible Reserve Bank services.

Clearing Balance Requirement Policy

- Earnings credits on maintained clearing balances provide a return comparable to what the institution would receive on funds held with a correspondent.
- The institution can use earnings credits to offset Federal Reserve service charges that settle in its own account.

Policies and Procedures

- Must have a Federal Reserve Master Account
- \$25 thousand minimum clearing balance requirement
- Same maintenance period used for reserve requirements applies to clearing balance requirements
- Expected to maintain a daily average balance within a range (Clearing Balance Band).

Policies and Procedures

- Clearing Balance Band is equal to the greater of \$25,000 or two percent of clearing balance requirement.

Example 1

Clearing Balance Requirement is \$400,000

Two Percent of \$400,000 is \$8,000

Therefore, the Clearing Balance Band is \$25,000.

Policies and Procedures

Example 2

Clearing Balance Requirement is \$1,500,000

Two Percent of \$1,500,000 is \$30,000

Therefore, the Clearing Balance Band is \$30,000.

Policies and Procedures

- If an institution fails to maintain the daily average balance above the low end of the Clearing Balance Band, then it is considered deficient and a penalty may be imposed.
- If an institution maintains daily average balances in excess of the clearing balance requirement but within the Clearing Balance Band, earnings credits are generated.

Policies and Procedures

- Clearing balance accounts are monitored for both overnight and daylight overdrafts, with penalties imposed if overdrafts occur.
- As-of adjustments can be applied to clearing balance accounts
- Clearing balance requirements can be changed no more than once every four weeks.

Policies & Procedures

- Institutions can increase or decrease the level of earnings credits to maintain an amount sufficient to cover billable charges.
- Changes to earnings credits result from changing the clearing balance requirement.

Policies & Procedures

- To change a clearing balance requirement an institution must do the following:
 - Contact the Deposit Reports Division in writing and request a change.
 - Indicate the current clearing balance, new clearing balance and effective date for the change. Deposit Reports Division staff require 5 days notice prior to the effective date of the change.
 - The effective date of a clearing balance change must be the first day of a maintenance period.

Policies & Procedures

- Correspondence can be addressed to:
The Federal Reserve Bank of New York
Attn: Deposit Reports Division
33 Liberty Street
New York, New York 10045
- Alternately, correspondence can be faxed to:
(212) 720 - 5025

Why Use Clearing Balances

- To use Federal Reserve services
- To hold balances above reserve requirement in order to facilitate clearing needs
- To generate earnings credits to pay for priced services

Earnings Credits

- Earnings credits can only be used to offset charges for priced Federal Reserve services
- The following are considered priced services:
 - Currency and Coin Services
 - Check Clearing and Collection Services
 - Wire Transfer Services
 - Automated Clearing House Services
 - Settlement Services

Earnings Credits

- The following are also considered priced services :
 - Securities Safekeeping Services
 - Federal Reserve Float
 - Any new services which the Federal Reserve system offers, including but not limited to, Payment Services that affect electronic transfer of funds

Earnings Credits

- Earnings credits cannot be used to offset charges from non-priced services.
- Non-priced services are those services provided to institutions which are necessary for institutions to monitor and manage their account. Non-priced services are:
 - Accounting Information Services
 - Cash Management Services

Earnings Credits

Eligible earnings credits are calculated based on the following formula every maintenance cycle:

Eligible Clearing Balances x (100% -MRRP) x Days Carried x Average Federal funds rate/360 days
where:

Eligible Clearing Balance = the sum of the institution's actual daily clearing balance (up to the maximum clearing balance band) divided by the days in the maintenance period (either 7 or 14 days)

MRRP= Marginal required reserve percentage calculated as 10 percent minus the institution's calculated marginal required reserve

Earnings Credits

Marginal Required Reserve Rate (MRR) is defined as:

- Zero for Net Transaction accounts \leq \$6.0 million
- 3% for Net Transaction accounts $>$ \$6.0 million and \leq \$42.1 million
- 10% for Net Transaction accounts $>$ \$42.1 million

Earnings Credits

Average federal funds rate :

- Two week average federal funds rate as published on the Federal Reserve Bank of New York website can be found at the following address:

<http://WWW.NEWYORKFED.ORG/PIHOME/STATISTICS/DLYRATES>.

Earnings Credits

Example 1:

ABC Bank has met its clearing balance requirement of \$20 million every day of the maintenance period. ABC is a weekly reporter with a calculated MRR of 10 percent. The current Federal funds rate is 5.25 percent. Calculate the earnings credits.

Earnings Credits

For the maintenance period in question, this bank will accrue earnings credits calculated as follows:

ABC BANK

$$\begin{array}{cccccc} \text{EC Balance} & \times & (100\% - \text{MRRP}) & \times & \text{Days Carried} & \times \text{ Avg Fed Rate} & / & 360 \text{ Days} \\ \downarrow & & \downarrow & & \downarrow & & \downarrow & & \downarrow \\ & & \text{MRRP} = (10\% - \text{MRR}) & & & & & & \\ & & = (10\% - 10\%) & & & & & & \\ & & = 0\% & & & & & & \\ & & \downarrow & & & & & & \\ \text{\$ 20MM} & \times & (100\% - & \times & 14 & \times & 5.25\% & / & 360 = \text{\$40,833.33} \\ & & 0\%) & & & & & & \end{array}$$

Earnings Credits

Example 1

ABC Bank will receive \$40,833.33 in earnings credits for the maintenance period. The bank will receive earnings credits on 100 percent (100 percent minus zero percent) of its clearing balance based on the MRRP factor.

Earnings Credits

Example 2:

DEF Bank has met its clearing balance requirement of \$20 million every day of the maintenance period. DEF is a weekly reporter with a calculated MRR of 3 percent. The current Federal funds rate is 5.25 percent.

Calculate earnings credits.

Calculation of Earnings Credits

For the maintenance period in question, this bank will accrue earnings credits calculated as follows:

DEF BANK

EC Balance x (100% - MRRP) x Days Carried x Avg Fed Rate / 360 Days



$$\begin{aligned} \text{MRRP} &= (10\% - \text{MRR}) \\ &= (10\% - 3\%) \\ &= 7\% \end{aligned}$$



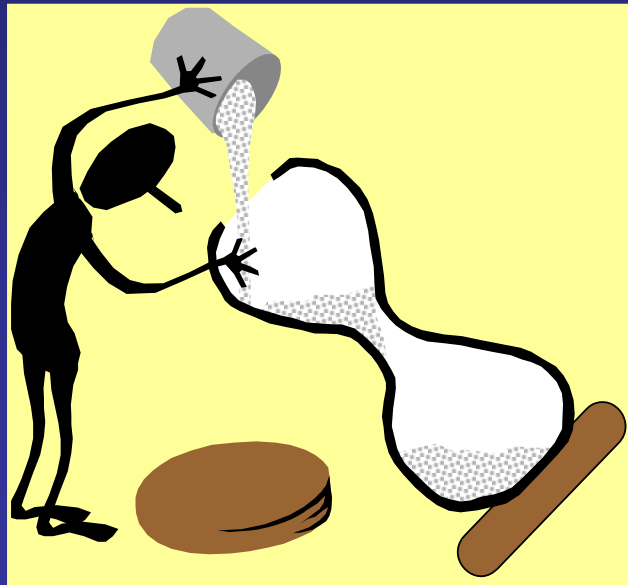
$$\text{\$ 20MM} \times (100\% - 7\%) \times 14 \times 5.25\% / 360 = \text{\$37,975.00}$$

Earnings Credits

Example 2 :

DEF Bank will receive \$37,975.00 in earnings credits for the maintenance period. The bank will receive earnings credits on 93 percent (100 percent minus seven percent) of its clearing balance based on the MRRP factor.

As-of Adjustments



Objectives

- What are as-of adjustments?
- What is the purpose of as-of adjustments?
- How does an as-of adjustment affect a depository institution's reserves/clearing position?
- Why are as-of adjustments issued?
- Who can issue as-of adjustments?

Objectives

- What is the life cycle of an as-of adjustment?
- How are as-of adjustments applied?
- Can an as-of adjustment be unapplied or moved, after the fact?

As-Of Adjustments

- An as-of adjustment is a “memorandum” item that is applied to an institution’s reserve position.
- As-of adjustments do not affect balances held in a reserve account.

As-Of Adjustments

- The purpose of as-of adjustments are to correct transaction with an entry amount of \$25,000 and an aggregate amount of \$250,000 that will result in a gain or loss to an institution and to correct reporting errors.
- As-of adjustments are issued from the date the error occurred to the date prior to the adjustment date. (The number of days will usually not exceed 45.)

As-Of Adjustments

- Debit as-of adjustments reduce the reserve position of a bank, therefore the institution will need to increase its balances held in the remaining days of the maintenance period to offset the negative effect.
- Credit as-of adjustments increase the reserve position so the institution may maintain a lower balance for the remainder of the maintenance period.

As-Of Adjustments

Examples of Fed-Caused Errors:

- Failure to credit an institution's account timely,
- Applying a debit to an institution's account too early, or
- Processing a debit or credit to the incorrect depository institution's account

FR 2900 Caused As-Of Adjustments

- To correct for revisions to the Report of Transaction Accounts, Other Deposits and Vault Cash (FR 2900)
- As-of adjustments are issued to periods revised to eliminate a deficiency or excess created from revised data.

FR 2900 Caused As-Of Adjustments

- An offsetting as-of adjustment will be applied to future maintenance periods only to allow an institution to make use of excess reserves held in the revised periods or to allow an institution to compensate for deficiencies that occurred in the revised periods.

Float Caused As-Of Adjustments

- To recover float
 - Depository institutions generate priced-float adjustments to pay for float associated with transportation delays of direct send and consolidated cash letter deposits



Float caused As-Ofs

- Week 1 - Float incurred
- Week 2 - As-of adjustment prepared
- Week 3 - As-of adjustment is applied on a Thursday only and always applied to the current maintenance period



As-Of Adjustments

- As-of adjustments are issued by:
 - FRB Buffalo
 - FRB Utica

Life Cycle of As-Of Adjustments

Problem Identification

- A depository institution identifies that their account was incorrectly credited or debited and notifies the appropriate FRBNY operating area.
- An FRBNY operating area identifies that an error has occurred with an accounting transaction. The institution will be notified as soon as possible.

Life Cycle of As-Of Adjustments

Creation of As-Of Adjustment

- The depository institution will be notified that an as-of adjustment will be issued to neutralize the impact of the error.
- The requesting area forwards the request to the Deposit Reports Division for approval and application.

Life Cycle of As-Ofs

Application of As-Of Adjustment

- A Deposit Reports Division staff member contacts the institution to discuss the application of the as-of adjustment if approved.
- The as-of adjustment is processed and applied to the institution's reserve and/or clearing position.

Application of As-Of Adjustments

ERRORS:

- FRB
- Depository Institution (routine adjustments)
- Depository Institution (accommodation adjustments)

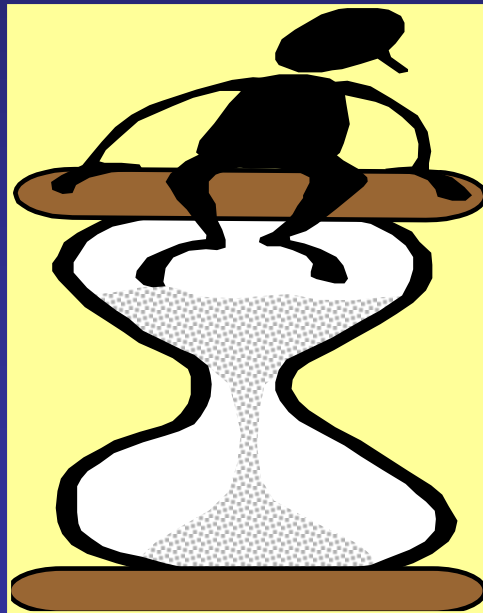
Application of As-Of Adjustments

- FRBNY usually applies as-of adjustments to the current maintenance period
- The as-of may apply to the maintenance period in which the error occurred
- If late in the maintenance period (day 12, 13, or 14) may consider placing the as-of to the next period

Application of As-Of Adjustments

- When offsetting adjustments are created for depository institution's accommodation adjustments, they both must be applied to the maintenance period in which the error occurs
- Depository institutions should evaluate their bank's position before choosing a maintenance period

As-of Adjustment Workshop



Scenario 1 - Weekly Reporter

Facts

- Bank A: Debit transaction error
 - Occurred: 08/07/03
 - Corrected: 08/11/03 (5 days)
- Current Maintenance Period:
08/07/03 to 08/20/03
- Deposit Reports contacts DI on 08/12/03

When can credit as-of adjustment be applied?

AUGUST 2003

| <i>Sun</i> | <i>Mon</i> | <i>Tue</i> | <i>Wed</i> | <i>Thu</i> | <i>Fri</i> | <i>Sat</i> |
|------------|------------|------------|------------|------------|------------|------------|
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | | | | | | |

Scenario 1 - Weekly Reporter

Credit as-of adjustment can only be applied as follows:

current maintenance period

(08/07/03 to 08/20/03)

Scenario 2 - Weekly Reporter

Facts:

- Bank B: Credit transaction error
 Occurred: 07/29/03
 Corrected: 08/06/03 (9 days)
- Current Maintenance Period:
 08/07/03 to 08/20/03
- Prior Maintenance Period: 07/24/03 to 08/06/03
- Deposit Reports contacts DI on 08/08/03

When can debit as-of adjustment be applied?

JULY 2003

| <i>Sun</i> | <i>Mon</i> | <i>Tue</i> | <i>Wed</i> | <i>Thu</i> | <i>Fri</i> | <i>Sat</i> |
|------------|------------|------------|------------|------------|------------|------------|
| | | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | | |

AUGUST 2003

| <i>Sun</i> | <i>Mon</i> | <i>Tue</i> | <i>Wed</i> | <i>Thu</i> | <i>Fri</i> | <i>Sat</i> |
|------------|------------|------------|------------|------------|------------|------------|
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | | | | | | |

Scenario 2 - Weekly Reporter

Debit as-of can only be applied as follows:

- Maintenance period in which error occurred
(07/24/03 to 08/06/03)
- Current maintenance period
(08/07/03 to 08/20/03)
- Prorate between the two periods

Scenario 3 - Weekly Reporter

Facts:

- Bank C: Debit transaction error
 Occurred: 08/06/03
 Corrected: 08/15/03 (10 days)
- Current Maintenance Period:
 08/07/03 to 08/20/03
- Deposit Reports contacts DI on 08/18/03
 (day 12 of maintenance period)

When can credit as-of adjustment be applied ?

JULY 2003

| <i>Sun</i> | <i>Mon</i> | <i>Tue</i> | <i>Wed</i> | <i>Thu</i> | <i>Fri</i> | <i>Sat</i> |
|------------|------------|------------|------------|------------|------------|------------|
| | | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | | |

AUGUST 2003

| <i>Sun</i> | <i>Mon</i> | <i>Tue</i> | <i>Wed</i> | <i>Thu</i> | <i>Fri</i> | <i>Sat</i> |
|------------|------------|------------|------------|------------|------------|------------|
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | | | | | | |

SEPTEMBER 2003

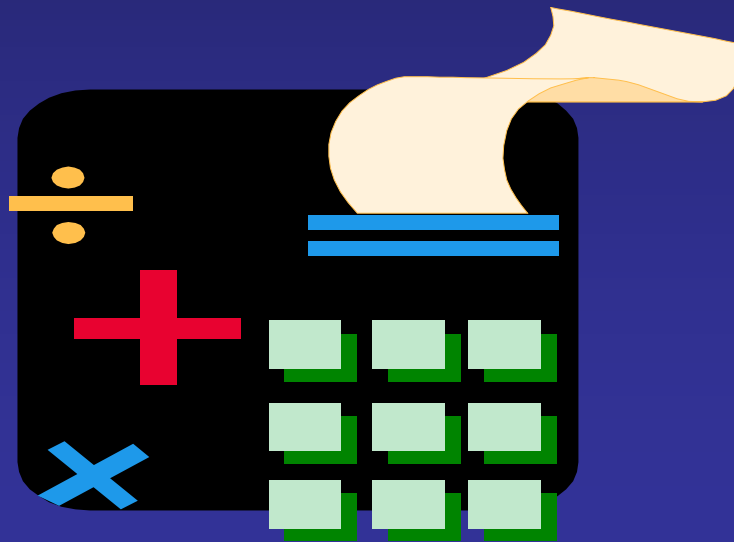
| <i>Sun</i> | <i>Mon</i> | <i>Tue</i> | <i>Wed</i> | <i>Thu</i> | <i>Fri</i> | <i>Sat</i> |
|------------|------------|------------|------------|------------|------------|------------|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | | | | |

Scenario 3 - Weekly Reporter

Credit as-of can be applied as follows:

- Maintenance period in which error occurred
07/24/03 to 08/06/03 (1 day of as-of
adjustment only)
- Current maintenance period
08/07/03 to 08/20/03
- Next maintenance period
08/21/03 to 09/03/03

Account Maintenance & Position



Objectives

- Account Structure
- How to Satisfy Reserve/Clearing Requirement
- Account Maintenance
- Position and Position Reports
- Tools for Managing Position

Account Structure

- Master Account (Direct Account)
- Subaccount
- Correspondent/Pass-through Account
- Respondent
- Pass-Through Reserves

Account Structure

Master Account

- The Federal Reserve's account structure assigns each separately chartered (or licensed) institution a single master account at a designated Reserve Bank where all its activities with the Federal Reserve will be settled

Account Structure

- Foreign-related institutions, U.S. branches and agencies of the same foreign parent bank, and the offices of an Edge or agreement corporation will have a single master account for each group of offices located in the same state and same Federal Reserve District.

Account Structure

What is a Master Account?

- It is a record of financial transactions that reflects the financial rights and obligations of an account holder and the Reserve Bank

Account Structure

How is a Master Account used?

- A Master Account allows a DI to settle and pay for services and/or maintain balances needed to meet their reserve requirement
- The Reserve Bank handling your master account will also administer all aspects of your account management which include reserve/clearing balance administration

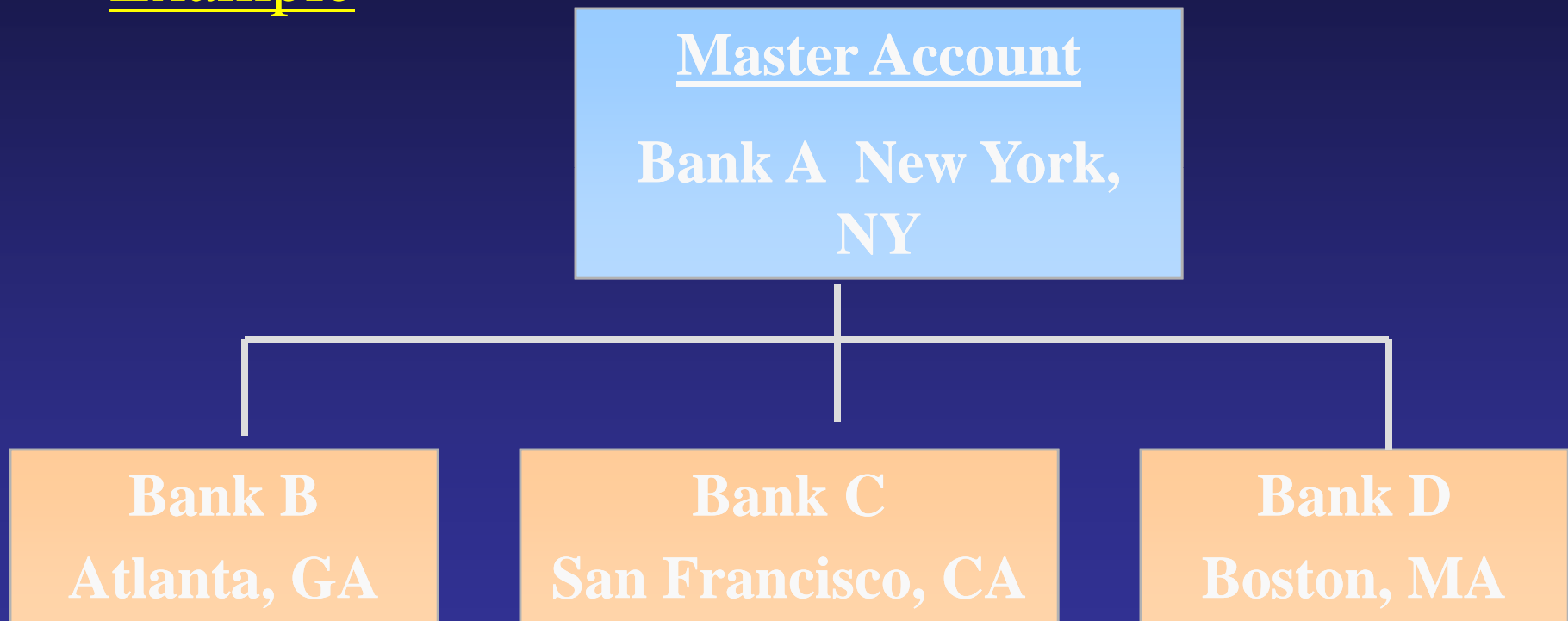
Account Structure

How to establish a master/direct account

- Execute a Master Account Agreement form (included in Operating Circular 1, Account Relationships)
- Submit the Agreement to FRBNY's Accounting Operations Division at least 30 business days before the date you wish to open the account

Account Structure

Example



Account Structure

Subaccounts

- A subaccount is an informational record of a subset of transactions that affect the master account



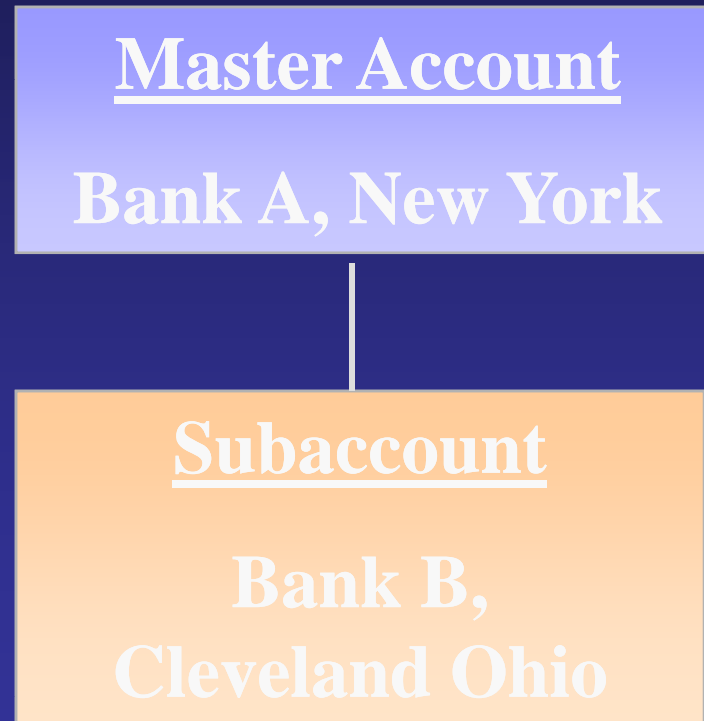
Account Structure

How to establish a subaccount

- Must complete the “Subaccount Designation” form (included in Operating Circular 1, Account Relationships)
- Submit request to the Accounting Operations Division at least 15 business days before you wish the subaccount opened

Account Structure

Example:



Account Structure

Correspondent (Pass-Through Account)

- A correspondent is an institution that has authorized a Reserve Bank to allow transactions to its master account on behalf of one or more respondents

Account Structure

Respondent

- A respondent is an institution that settles some or all of its non-Fedwire transactions in another institution's master account



Account Structure

How to establish Pass-through Relationships

- Both the correspondent and respondent institutions must complete a Pass-Through Agreement form (included in Operating Circular 1, Account Relationships)
- Submit request to FRBNY's Deposit Reports Division at least 5 business days before you wish to establish the relationship

Account Structure

Example:

- Bank USA (Correspondent Account) located in FRBNY District
- Bank SA (Pass-through respondent) located in FRB Atlanta District
 - Bank SA must file its deposit reports directly with the Federal Reserve Bank of Atlanta which is the District in which it is located.

Account Structure

Pass-Through Reserves

- Any depository institution that is required to maintain reserve balances and is a non-member depository institution, a U.S. branch or agency of a foreign bank, or an Edge or agreement corporation

Satisfying Reserve/Clearing Requirements

Reserve Requirement

Vault Cash

Account Balances

- Direct Account
- Pass-through Account

Clearing Balance Requirement

Account Balances

- Direct Account

Satisfying Reserve Requirement

Vault Cash

- Same computation period as deposit data
- Cannot be used to meet reserve requirements in a different maintenance period
- Cannot be used to offset clearing balance requirement

Satisfying Reserve Requirement

Account Balances

- Net total of all transactions (debits/credits) held in the master account at the end of day (EOD) at a Federal Reserve Bank

Account Maintenance



- What is a maintenance period and settlement day?
- When is a maintenance period finalized?
- What is Position?

Account Maintenance

Maintenance period

- Weekly reporters

14-Day period in which to maintain and settle required reserves and/or clearing balances

- Quarterly reporters

7-Day period in which to maintain and settle required reserves and/or clearing balances

Account Maintenance

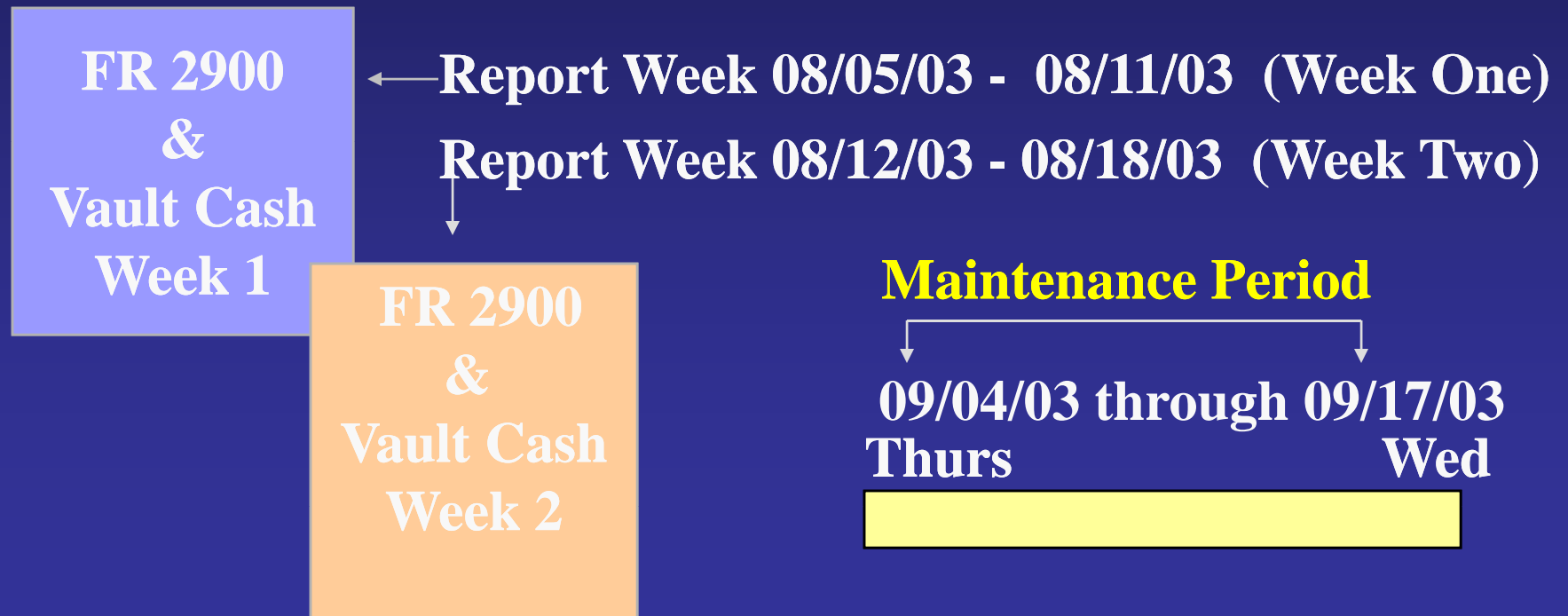
When is a maintenance period finalized?

- For both weekly and quarterly reporters, a maintenance period is finalized 28 days after the maintenance period has ended.

Account Maintenance

Weekly Lagged Maintenance Cycle (14-day cycle)

Computation Period



Account Maintenance

Quarterly Maintenance Cycle

(7-day cycle for 13 weeks)

Computation Period

FR 2900
&
Vault Cash

← Report week 06/17/03 - 06/23/03

Actual Quarter

← Beginning 07/17/03
Ending 10/15/03

Maintenance periods

07/17/03 through 10/15/03



Position

- Position is a measure of a depository institution's compliance with reserve and/or clearing balance requirements
- Position is initially determined by evaluating the difference between total maintained and total required.



Position

- If negative, deficient in reserves and/or clearing balance requirement.
- If positive, excess in reserves and/or clearing balance requirement.



Position

Factors that affect position are:

- Vault Cash
- Account Balances
- Overnight Overdrafts
- As-of Adjustments
- Clearing Balance Band
- Carryover
- Carryin

Position

Overnight Overdrafts

- Negative end of day (EOD) balance in a Direct or Pass-Through account
 - Direct impact (decrease) on total maintained balances

Position

As-of Adjustments

- Directly impacts total maintained balances
 - a debit as-of reduces total maintained balances for the maintenance period
 - a credit as-of increases total maintained balances for the maintenance period

Position

Clearing Balance Band

- If maintained within the upper level, can earn extra earnings credits.
- If maintained within the lower level, can offset the effect of a deficiency.

Position

Carryover

- Carryover is an excess or deficient amount that can be carried over to the next maintenance period.
- Cannot be carried over to subsequent periods.

Position

Carry-in

- The amount of carryover brought into the current maintenance period from the previous maintenance period.

Position

How is carryover calculated?

- Gross RR plus RQCB (if any) equals total requirement;
- Multiply total requirement by 4% or \$50,000 which ever is greater;
- Subtract the RQCB band, if any (the RQCB band is computed at 2% of the RQCB or \$25,000 which ever is greater);

Equals Maximum Allowable Carryover

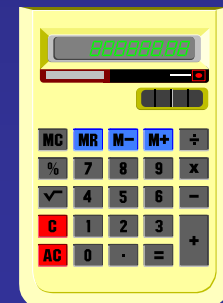
Position

Example:

| | |
|---|------------------|
| Reserve Requirement | 1,231 |
| Clearing Balance Requirement | <u>200</u> |
| (1) Total Requirement | 1,431 |
| (2) Total requirement 1,431 x 4% or \$50,000, whichever is greater | 57 |
| (3) Minus the Clearing Balance Band | <u>(25)</u> |
| Allowable Carryover | <u><u>32</u></u> |

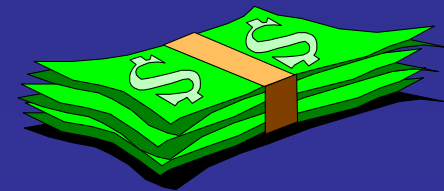
Position

- Mechanics of Position Calculation
- Funding Account



Position Calculation

- Position is calculated in daily averages in thousands.
- Gross Position equals Total Maintained less Total Required Reserves.



Mechanics of Position Calculation

Example

(1)

Reserve Requirement \$1,231

Plus: Clearing Balance
Requirement \$ 200

Equals **Total Required** \$1,431

Mechanics of Position Calculation

Example

(2)

Usable Vault Cash \$ 300

Plus: Account Balances 1,100

Credit As-of Adjustments 100

Total Maintained \$1,500

Mechanics of Position Calculation

Example

(3)

Total Maintained Balances \$1,500

Less: Total Required

Balances 1,431

Gross Position

69

Preliminary Position

(\$ in 000s)

| | 09/04/03 | 08/21/03 | 08/07/03 |
|-----------------------------|-------------|-----------|----------|
| | 09/17/03 | 09/03/03 | 08/20/03 |
| Reserve Requirement | 3,000 | 1,231 | 2,000 |
| Clearing Balance Req. | 200 | 200 | 200 |
| Total Required | 3,200 | 1,431 | 2,200 |
| Usable Vault Cash | 300 | 300 | 500 |
| Account Balances Held | 2,200 | 1,100 | 1,700 |
| For 13 days (09-16-03) | | | |
| As-Of Adjustments | 500 | 100 | 0 |
| Total Maintained | 3,000 | 1,500 | 2,200 |
| Gross Position | -200 | 69 | 0 |
| Carryover from Prior Period | 32 | 0 | 0 |
| Clearing Balance Band | -25 | 25 | 0 |
| Subtotal | -143 | 44 | 0 |
| Allowable Carryover | -103 | 32 | 0 |
| Offset in Next Period | 0 | 32 | 0 |
| Net Position | -143 | 12 | 0 |

Funding Account

Weekly Settler (14-days)

- Required reserve balance \$2 million on a daily basis.
- Over 14-days, aggregate required reserve balance is \$28 million (\$2 million daily average multiplied by 14 days).

Position

Required Balance & Funding Account (Total in thousands)

| | | <u>Ex.1</u> | <u>Ex.2</u> | <u>Ex. 3</u> |
|--------|-------|-------------|-------------|--------------|
| Week 1 | Thurs | 2,000 | 0 | 2,000 |
| | Fri | 2,000 | 0 | 2,000 |
| | Sat | 2,000 | 0 | 2,000 |
| | Sun | 2,000 | 0 | 2,000 |
| | Mon | 2,000 | 0 | 1,000 |
| | Tues | 2,000 | 0 | 1,000 |
| | Wed | 2,000 | 0 | 1,000 |

Position

Required Balance & Funding Account (Total in thousands)

| | | <u>Ex.1</u> | <u>Ex.2</u> | <u>Ex. 3</u> |
|---------------|----------------------------|---------------|---------------|---------------|
| Week 2 | Thurs | 2,000 | 0 | 3,000 |
| | Fri | 2,000 | 0 | 3,000 |
| | Sat | 2,000 | 0 | 3,000 |
| | Sun | 2,000 | 0 | 3,000 |
| | Mon | 2,000 | 0 | 2,000 |
| | Tues | 2,000 | 0 | 1,000 |
| | Wed | 2,000 | 28,000 | 2,000 |
| | Total Balances Held | 28,000 | 28,000 | 28,000 |

Position

Deficiency

- Shortfall between the total balance maintained in a direct account or pass-through account and the Reserve Balance Requirement

Final Position

(in thousands)

| | | |
|------------------------------|-----------------------|--------------|
| Reserve Requirement | | 2,000 |
| Clearing Balance Requirement | | 200 |
| | Total Required | 2,200 |
| Usable Vault Cash | 500 | |
| Account Balances Held | 1,000 | |
| As-Of Adjustments | 100 | |
| | Total Maintained | 1,600 |
| Gross Position | | - 600 |
| Carryover From Prior Period | | 0 |
| Clearing Balance Band | | - 25 |
| Subtotal | | - 575 |
| Allowable Carryover | -63 | |
| | Offset in Next Period | -63 |
| Net Position | | - 512 |

Final Position

(in thousands)

| | | |
|------------------------------|-----------------------|--------------|
| Reserve Requirement | | 2,000 |
| Clearing Balance Requirement | | 200 |
| | Total Required | 2,200 |
| Usable Vault Cash | 500 | |
| Account Balances Held | 3,000 | |
| As-Of Adjustments | 100 | |
| | Total Maintained | 3,600 |
| Gross Position | | 1,400 |
| Carryover From Prior Period | | 0 |
| Clearing Balance Band | | 25 |
| Subtotal | | 1,375 |
| Allowable Carryover | 63 | |
| | Offset in Next Period | 63 |
| Net Position | | 1,312 |

Position Report

Types of Accounts

- Reserve Only
- Clearing Balance Requirement Only
- Reserve and Clearing Balance Requirement

Types of Position Reports

- Preliminary
- Final

Position Report

Report frequency

- Preliminary Position - Daily
- Final Position
 - Bi-weekly (every other Wednesday for weekly or 14-day reporters)
 - Weekly (every Wednesday for quarterly reporters and non reporters)

Position Report

Information provided on a Position Report

- Direct Account (no respondents)
 - Maintenance Period
 - Reserve Requirement
 - Clearing Balance Requirement
 - Usable Vault Cash
 - Account Balances
 - As-of Adjustments
 - Total Maintained

Position Report

Information provided on a Position Report

- Direct Account (no respondents) cont'd
 - Gross Position
 - Carryover From Prior Period
 - Clearing Balance Band
 - Allowable Carryover
 - Offset in Next Period
 - Net position

Position Report

- Direct Account with Pass-through respondents
 - Maintenance Period
 - Reserve Requirement
 - Own
 - Weekly Respondents
 - Quarterly Respondents
 - Clearing Balance Requirement
 - Total Requirement

Position Report

- Direct Account with Pass-through respondents
 - Usable Vault Cash
 - Own
 - Weekly Respondents
 - Quarterly Respondents
 - Account Balances
 - As-of Adjustments
 - Total Maintained

Position Report

- Direct Account with Pass-through respondents
 - Gross Position
 - Carryover From Prior Period
 - Clearing Balance Band
 - Allowable Carryover
 - Offset in Next Period
 - Net position

Position Reports

Type of Delivery

- Mail
- Electronically via Fedline
- FedMail (E-mail or Fax)



Tools for Managing Position

- Carryover
- Required Clearing Balance
- Discount Window



Summary

- Account structure
- How to satisfy reserve/clearing requirement
- Account maintenance
- Position and position reports
- Tools for managing position



Summary

REMEMBER

- Always fund Account timely
 - Excess = Waste
 - Deficient = Penalty



Deficiencies, Penalties, & Waivers



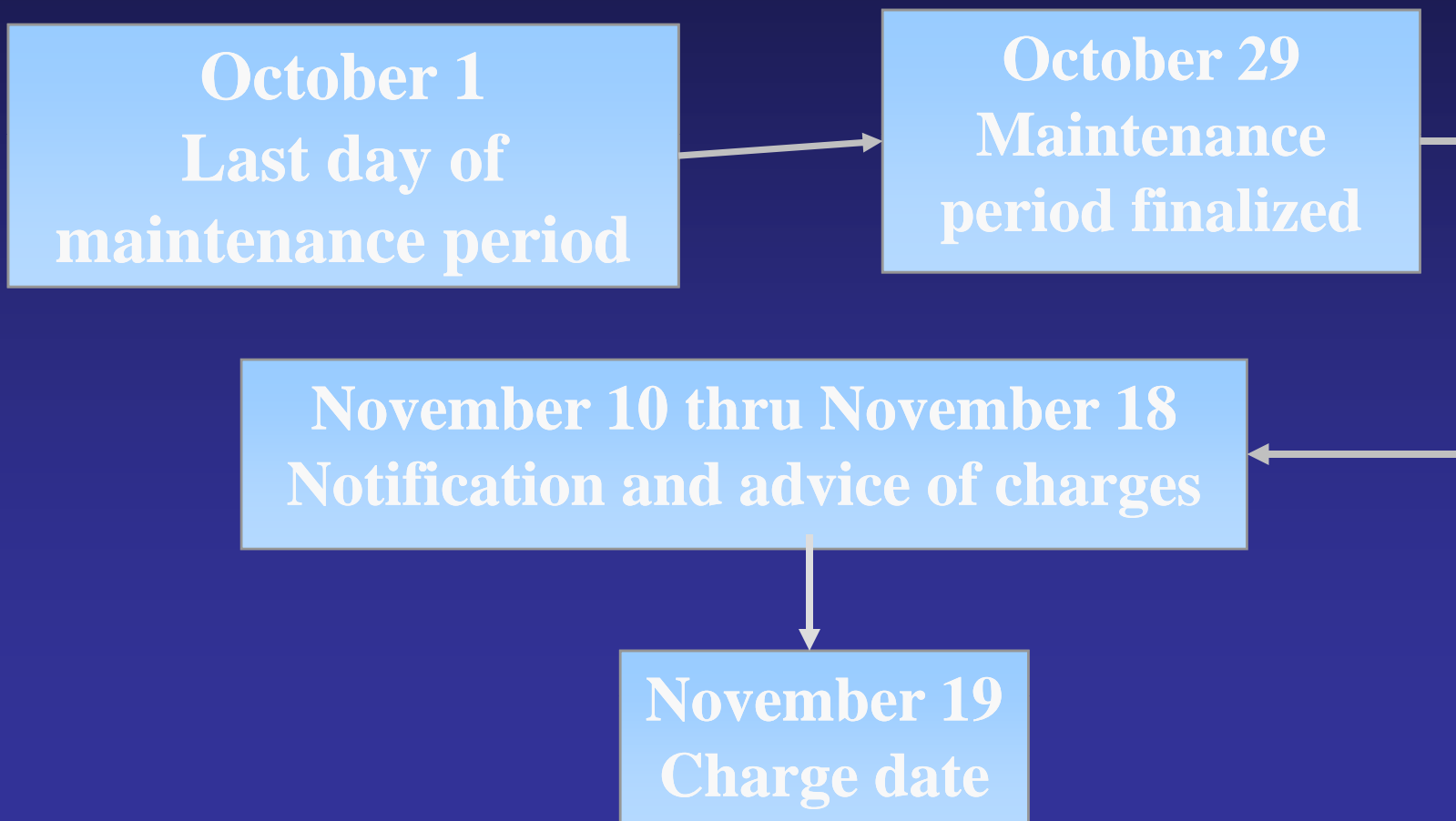
Overview

Reserve Deficiency vs. Clearing Deficiency

- Reserve Deficiency - Portion of the reserve requirement that is not satisfied by vault cash and/or balances held directly at a Reserve Bank or indirectly in a pass-through account.
- Clearing Deficiency - Portion of the clearing balance that is not satisfied by balances held directly at a Reserve Bank.

Overview

Timeline for Finalizing Deficiencies



Reserve Deficiency

Example

(\$ in 000)

| | |
|-------------------------------------|----------------|
| Reserve Requirement | \$8,700 |
| Clearing Balance Requirement | 0 |
| Usable Vault Cash | 0 |
| Account Balance | 8,500 |
| As-Of Adjustment | 0 |
| Carryover From Prior Period | 0 |
| Clearing Balance Band | 0 |
| Allowable Carryover | (200) |

Reserve Deficiency

- Allowable Carryover - Not to exceed the greater of:
 - 4% of (Required Reserves + Required Clearing Balance) - Clearing Balance Band.
 - \$50,000 - Clearing Balance Band

(Example)

$$4\% (\$8,700,000 + 0) - 0 = \$348,000$$
$$\$50,000 - 0 = \$ 50,000$$

Reserve Deficiency

Net Excess / (Deficiency)

| | | |
|---------------------------|-------------------------------------|---------------------|
| Required Reserve | | \$ 8,700 |
| Required Clearing Balance | | <u>0</u> |
| | Total Requirement | \$ 8,700 |
| Less: Vault Cash | 0 | |
| Account Balance | 8,500 | |
| As-Of Adjustment | 0 | <u>8,500</u> |
| | Gross Position [Excess(Deficiency)] | (200) |
| Prior Period Carryover | | 0 |
| Clearing Balance Band | | 0 |
| Allowable Carryover | (200) | |
| | Offset in Next Period | <u>0</u> |
| | Net Excess (Deficiency) | <u><u>(200)</u></u> |

Reserve Deficiency

Required Reserve Penalty

- $\text{Penalty} = (\text{Primary Rate} + 2\%) * (\# \text{ Days in Maintenance Period}) * (\text{Deficiency}) / (\# \text{ Days in Year})$

Example

$$(4\% * 14 * \$200,000) / 365 = \$307$$

Clearing Deficiency

Example

(\$ in 000)

| | |
|-------------------------------------|--------------|
| Reserve Requirement | \$ - |
| Clearing Balance Requirement | 2,500 |
| Usable Vault Cash | 0 |
| Account Balance | 750 |
| As-Of Adjustment | 0 |
| Carryover From Prior Period | 0 |
| Clearing Balance Band | 50 |
| Allowable Carryover | 0 |

Clearing Deficiency

- Clearing Balance Band - Greater of:
 - \$25,000 or
 - 2% of Required Clearing Balance

$$\begin{array}{rcl} \text{Minimum} & = & \$ 25,000 \\ \$2,500,000 * 2\% & = & \$ 50,000 \end{array}$$

- Allowable Carryover

Allowable carryover is not allowed for reporters with only a clearing balance requirement.

Reserve Deficiency

Net Excess / (Deficiency)

| | | |
|---------------------------|--|-----------------------|
| Required Reserve | | \$ - |
| Required Clearing Balance | | <u>2,500</u> |
| | Total Requirement | \$ 2,500 |
| Less: Vault Cash | 0 | |
| Account Balance | 750 | |
| As-Of Adjustment | 0 | <u>750</u> |
| | Gross Position [Excess(Deficiency)] | (1,750) |
| Prior Period Carryover | | 0 |
| Clearing Balance Band | | 50 |
| Allowable Carryover | 0 | |
| | Offset in Next Period | <u>0</u> |
| | Net Excess (Deficiency) | <u><u>(1,700)</u></u> |

Clearing Deficiency

Penalty

- Part 1 : Required Clearing Balance * 20%
* # Days in Maintenance Period / # Days in Year
- Part 2 : Net Deficiency - (Required Clearing Balance * 20%) * # Days in Maintenance Period / # Days in Year

Clearing Deficiency

- Calculation

2% of Part 1 + 4% of Part 2

Example

$$\begin{array}{r} (1) 2\% * (\$2,500,000 * 20\%) * 14 / 365 = \$ 383 \\ (2) 4\% * (\$1,700,000 - (\$2,500,000 * \\ 20\%)) * 14 / 365 = \$ 1,841 \\ \hline \text{Total Penalty} \qquad \qquad \qquad \underline{\underline{\$ 2,224}} \end{array}$$

Comprehensive Reserve & Clearing Deficiencies

Example

(\$ in 000)

| | |
|-------------------------------------|-----------------|
| Reserve Requirement | \$ 4,500 |
| Clearing Balance Requirement | 500 |
| Usable Vault Cash | 900 |
| Account Balance | 3,700 |
| As-Of Adjustment | (1,000) |
| Carryover From Prior Period | 75 |
| Clearing Balance Band | 25 |
| Allowable Carryover | (175) |

Comprehensive Reserve & Clearing Deficiencies

- Clearing Balance Band - Greater of:
 - \$25,000 or
 - 2% of Required Clearing Balance

$$\begin{array}{rcl} \text{Minimum} & = & \$ 25,000 \\ \$500,000 * 2\% & = & \$ 10,000 \end{array}$$

Comprehensive Reserve & Clearing Deficiencies

- Allowable Carryover - Not to exceed the greater of:
 - 4% of (Required Reserves + Required Clearing Balance) - Clearing Balance Band.
 - \$50,000 - Clearing Balance Band

(Example)

$$4\% (\$4,500,000 + 500,000) - 25,000 = \$175,000$$
$$\$50,000 - 25,000 = \$ 25,000$$

Comprehensive Reserve & Clearing Deficiencies

Net Excess / (Deficiency)

| | | |
|---------------------------|--|-----------------------|
| Required Reserve | | \$ 4,500 |
| Required Clearing Balance | | <u>500</u> |
| | Total Requirement | \$ 5,000 |
| Less: Vault Cash | 900 | |
| Account Balance | 3,700 | |
| As-Of Adjustment | (1,000) | <u>3,600</u> |
| | Gross Position [Excess(Deficiency)] | (1,400) |
| Prior Period Carryover | | 75 |
| Clearing Balance Band | | 25 |
| Allowable Carryover | (175) | |
| | Offset in Next Period | <u>0</u> |
| | Net Excess (Deficiency) | <u><u>(1,300)</u></u> |

Comprehensive Reserve & Clearing Deficiencies

Allocation of Deficiency

- Clearing Balance Deficiency

Total Deficiency - (Required Reserve - Total Maintained - Clearing Balance Band)

$$\begin{aligned} & \$1,300,000 - (\$4,500,000 - \$3,600,000 - \$25,000) \\ & = \$ 425,000 \end{aligned}$$

Comprehensive Reserve & Clearing Deficiencies

Clearing Balance Penalty

- Part 1 : (Required Clearing Balance * 20%)
 $(\$500,000 * 20\%) = \$ 100,000$
- Part 2 : Clearing Balance Deficiency -
(Required Clearing Balance * 20%)
 $\$425,000 - (\$500,000 * 20\%) = \$ 325,000$

Comprehensive Reserve & Clearing Deficiencies

- $[(2\% \text{ of Part 1 of Clearing Deficiency}) * \# \text{ Days in Maintenance Period} / \# \text{ Days in Year}] \text{ PLUS } [(4\% \text{ of Part 2 of Clearing Deficiency}) * \# \text{ Days in Maintenance Period} / \# \text{ Days in Year}] = \text{Clearing Penalty}$

$$(\$100,000 * 2\%) * 14 / 365 = \$ 77$$

$$(\$325,000 * 4\%) * 14 / 365 = \underline{499}$$

$$\text{Total Clearing Penalty} \quad \underline{\underline{\$ 576}}$$

Comprehensive Reserve & Clearing Deficiencies

- Reserve Deficiency
 - Gross Deficiency - Required Clearing
Balance Deficiency

$$\$1,300,000 - \$425,000 = \$ 875,000$$

Comprehensive Reserve & Clearing Deficiencies

- Required Reserve Penalty
 - Reserve Deficiency * (Primary Rate + 2%)
* # Days in Maintenance Period / # Days in
Year = Reserve Penalty

$$(\$875,000 * 4%) * 14 / 365 = \$1,342$$

Comprehensive Reserve & Clearing Deficiencies

- Total Penalty

Clearing Penalty — \$ 576

Required Reserve Penalty = 1342

Total Penalty \$ 1,918

Waivers

- “A” - Waiver

Penalty \$25 or less - May be waived and the institution may be required to explain the deficiency.

- “C” - Waiver

Penalty $> \$25$ and $<$ or equal to 5% of daily average requirement - May be waived once every 2 years.

Summary

Key Points

- Vault cash cannot be used to satisfy Required Clearing Balance.
- Reserve balances are used to satisfy Required Reserves before Required Clearing Balance.
- A deficiency cannot be carried over to a subsequent deficient period.
- No Allowable Carryover for institutions with only a clearing balance.
- Certain penalties MAY be waived.

Reserve Contacts & References

Additional References

The Account Management Guide, the Reserve Maintenance Manual, and Operating Circulars can be referenced at www.frb services.org.

An online guide to regulatory and financial reporting and reserves information can be found at www.reportingandreserves.org

Federal Reserve Bank of New York Contacts

| | | | |
|------------------|--------------|------------------|--------------|
| Ben Annoscia | 212-720-8920 | Linda Mason | 212-720-5799 |
| Eartha Collins | 212-720-5993 | Brian Osterhus | 212-720-8023 |
| Claudette Knight | 212-720-5798 | Cheryl Rasmussen | 212-720-5460 |
| Anthony LaRocca | 212-720-8414 | Vincent West | 212-720-1851 |

ReserveCalc

Claudette Knight



ReserveCalc

Reserve Maintenance Information

- Balance Calculator
- Position
- Account Balances
- As-of Adjustments
- Requirement
- Reservable Liabilities
- Position History
- Useful links


ReserveCalc

**If your institution has a
direct account at the
Federal Reserve, from which
position is calculated, you'll start
with the
Balance Calculator.**

The Balance Calculator

Reserves - Netscape

File Edit View Go Communicator Help



Select Date and Reserve Report

11/27/2002

- Balance Calculator
- Position
- Account Balances
- As-of Adjustments
- Requirement
- Reservable Liabilities
- Position History

Print Report

Useful Links

- R&R Reporting & Reserves
- AMi Account Mgt.

MAINTENANCE PERIOD 11/27/2002

BALANCE CALCULATOR

DEPOSITORY INSTITUTION
ABA 123456789 RSSD 987654

Correspondent: **No**
Merger Survivor: **No**

Maintenance Period Status: **Preliminary**

| | Aggregate | | Average |
|--|----------------------|----------------|----------------|
| Total Balance Requirement | <u>72,086</u> | (+ 14) | 5,149 |
| Carryover From Prior Period | 1,022 | (+ 14) | 73 |
| Total Balance To Be Held | 71,064 | | |
| FRB Actual Balances (11 Days) | <u>58,225</u> | (+ 11) | 5,293 |
| User Estimated Balances (0 Days) | 0 | | |
| FRB Actual As-ofs | <u>-308</u> | (+ 14) | -22 |
| User Estimated As-ofs | 0 | | |
| Total Balance Held (includes Estimates) | 57,917 | | |
| Additional amount to be held for remaining 3 days | 13,147 | (÷ 3) | 4,382 |
| | | | |
| A ZERO POSITION CAN BE ACHIEVED ANYWHERE BETWEEN: | | | |
| Lowest Balance (Carryover to next period = -317) | 8,360 | (+ 3) | 2,787 |
| Highest Useful Balance (Carryover to next period = 317) | 17,936 | (+ 3) | 5,979 |

In Thousands of Dollars
Federal Reserve Bank of San Francisco

11/25/2002 12:45 PM ET

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The Balance Calculator

Reserves - Netscape

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ReserveCalc

Select Date and Reserve Report
 11/27/2002

- Balance Calculator
- Position
- Account Balances
- As-of Adjustments
- Requirement
- Reservable Liabilities
- Position History

Print Report

Useful Links

- R&R Reporting & Reserves
- AMi Account Mgt.

BALANCE CALCULATOR MAINTENANCE PERIOD 11/27/2002

DEPOSITORY INSTITUTION
 ABA 123456789 RSSD 987654

Maintenance Period Status: [Preliminary](#) Correspondent: No
 Merger Survivor: No

| | Aggregate | | Average |
|--|---------------|----------|--------------|
| Total Balance Requirement | 72,086 | (+ 14) | 5,149 |
| Carryover From Prior Period | 1,022 | (+ 14) | 73 |
| Total Balance To Be Held | 71,064 | | |
| FRB Actual Balances (11 Days) | 58,225 | (+ 11) | 5,293 |
| User Estimated Balances (0 Days) | 0 | | |
| FRB Actual As-ofs | -308 | (+ 14) | -22 |
| User Estimated As-ofs | 0 | | |
| Total Balance Held (includes Estimates) | 57,917 | | |
| Additional amount to be held for remaining 3 days | 13,147 | (÷ 3) | 4,382 |
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| Highest Useful Balance (Carryover to next period = 317) | 17,936 | (+ 3) | 5,979 |

Balance Calculator

In Thousands of Dollars
 Federal Reserve Bank of San Francisco

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The Balance Calculator

Reserves - Netscape

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ReserveCalc

Select Date and Reserve Report
 11/27/2002

- Balance Calculator
- Position
- Account Balances
- As-of Adjustments
- Requirement
- Reservable Liabilities
- Position History

Print Report

Useful Links

- R&R Reporting & Reserves
- AMi Account Mgt.

BALANCE CALCULATOR MAINTENANCE PERIOD 11/27/2002

DEPOSITORY INSTITUTION
 ABA 123456789 RSSD 987654

Maintenance Period Status: [Preliminary](#) Correspondent: No
 Merger Survivor: No

| | Aggregate | | Average |
|--|---------------|----------|--------------|
| Total Balance Requirement | 72,086 | (+ 14) | 5,149 |
| Carryover From Prior Period | 1,022 | (+ 14) | 73 |
| Total Balance To Be Held | 71,064 | | |
| FRB Actual Balances (11 Days) | 58,225 | (+ 11) | 5,293 |
| User Estimated Balances (0 Days) | 0 | | |
| FRB Actual As-ofs | -308 | (+ 14) | -22 |
| User Estimated As-ofs | 0 | | |
| Total Balance Held (includes Estimates) | 57,917 | | |
| Additional amount to be held for remaining 3 days | 13,147 | (+ 3) | 4,382 |
| A ZERO POSITION CAN BE ACHIEVED ANYWHERE BETWEEN: | | | |
| Lowest Balance (Carryover to next period = -317) | 8,360 | (+ 3) | 2,787 |
| Highest Useful Balance (Carryover to next period = 317) | 17,936 | (+ 3) | 5,979 |

Balance Calculator

In Thousands of Dollars
 Federal Reserve Bank of San Francisco

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The Balance Calculator

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ReserveCalc

Select Date and Reserve Report

11/27/2002

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- Position
- Account Balances
- As-of Adjustments
- Requirement
- Reservable Liabilities
- Position History

Print Report

Useful Links

- R&R Reporting & Reserves
- AMi Account Mgt.

BALANCE CALCULATOR MAINTENANCE PERIOD 11/27/2002

DEPOSITORY INSTITUTION ABA 123456789 RSSD 987654

Maintenance Period Status: [Preliminary](#) Correspondent: No Merger Survivor: No

| | Aggregate | | Average |
|--|---------------|----------|--------------|
| Total Balance Requirement | 72,086 | (+ 14) | 5,149 |
| Carryover From Prior Period | 1,022 | (+ 14) | 73 |
| Total Balance To Be Held | 71,064 | | |
| FRB Actual Balances (11 Days) | 58,225 | (+ 11) | 5,293 |
| User Estimated Balances (0 Days) | 0 | | |
| FRB Actual As-ofs | -308 | (+ 14) | -22 |
| User Estimated As-ofs | 0 | | |
| Total Balance Held (includes Estimates) | 57,917 | | |
| Additional amount to be held for remaining 3 days | 13,147 | (÷ 3) | 4,382 |

A ZERO POSITION CAN BE ACHIEVED ANYWHERE BETWEEN:

| | | | |
|---|--------|---------|-------|
| Lowest Balance (Carryover to next period = -308) | 17,936 | (÷ 3) | 2,787 |
| Highest Useful Balance (Carryover to next period = 317) | 17,936 | (+ 3) | 5,979 |

Target Balance →

Balance Calculator

In Thousands of Dollars

Federal Reserve Bank of San Francisco

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Document: Done

The Balance Calculator

Reserves - Netscape

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ReserveCalc

Select Date and Reserve Report

11/27/2002

- Balance Calculator
- Position
- Account Balances
- As-of Adjustments
- Requirement
- Reservable Liabilities
- Position History

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Useful Links

- R&R Reporting & Reserves
- AMi Account Mgt.

BALANCE CALCULATOR MAINTENANCE PERIOD 11/27/2002

DEPOSITORY INSTITUTION
ABA 123456789 RSSD 987654

Maintenance Period Status: **Preliminary** Correspondent: **No**
Merger Survivor: **No**

| | Aggregate | | Average |
|--|---------------|----------|--------------|
| Total Balance Requirement | 72,086 | (+ 14) | 5,149 |
| Carryover From Prior Period | 1,022 | (+ 14) | 73 |
| Total Balance To Be Held | 71,064 | | |
| FRB Actual Balances (11 Days) | 58,225 | (+ 11) | 5,293 |
| User Estimated Balances (0 Days) | 0 | | |
| FRB Actual As-ofs | -308 | (+ 14) | -22 |
| User Estimated As-ofs | 0 | | |
| Total Balance Held (includes Estimates) | 57,917 | | |
| Additional amount to be held for remaining 3 days | 13,147 | (÷ 3) | 4,382 |
| A ZERO POSITION CAN BE ACHIEVED ANYWHERE BETWEEN: | | | |
| Lowest Balance (Carryover to next period = -317) | 8,360 | (+ 3) | 2,787 |
| Highest Useful Balance (Carryover to next period = 317) | 17,936 | (+ 3) | 5,979 |

Balance Calculator

Range

In Thousands of Dollars
Federal Reserve Bank of San Francisco

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The Balance Calculator

Reserves - Netscape

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ReserveCalc

Select Date and Reserve Report

11/27/2002

- Balance Calculator
- Position
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- As-of Adjustments
- Requirement
- Reservable Liabilities
- Position History

Print Report

Useful Links

- R&R Reporting & Reserves
- AMi Account Mgt.

BALANCE CALCULATOR MAINTENANCE PERIOD 11/27/2002

DEPOSITORY INSTITUTION
ABA 123456789 RSSD 987654

Maintenance Period Status: [Preliminary](#) Correspondent: No
Merger Survivor: No

| | Aggregate | | Average |
|--|---------------|----------|--------------|
| Total Balance Requirement | 72,086 | (+ 14) | 5,149 |
| Carryover From Prior Period | 1,022 | (+ 14) | 73 |
| Total Balance To Be Held | 71,064 | | |
| FRB Actual Balances (11 Days) | 58,225 | (+ 11) | 5,293 |
| User Estimated Balances (0 Days) | 0 | | |
| FRB Actual As-ofs | -308 | (+ 14) | -22 |
| User Estimated As-ofs | 0 | | |
| Total Balance Held (includes Estimates) | 57,917 | | |
| Additional amount to be held for remaining 3 days | 13,147 | (÷ 3) | 4,382 |
| A ZERO POSITION CAN BE ACHIEVED ANYWHERE BETWEEN: | | | |
| Lowest Balance (Carryover to next period = -317) | 8,360 | (+ 3) | 2,787 |
| Highest Useful Balance (Carryover to next period = 317) | 17,936 | (+ 3) | 5,979 |

Balance Calculator

In Thousands of Dollars
Federal Reserve Bank of San Francisco

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The Balance Calculator

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Select Date and Reserve Report
11/27/2002

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Print Report

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- AMi Account Mgt.

BALANCE CALCULATOR MAINTENANCE PERIOD 11/27/2002

DEPOSITORY INSTITUTION
ABA 123456789 RSSD 987654

Maintenance Period Status: **Preliminary** Correspondent: No
Merger Survivor: No

| | Aggregate | | Average |
|--|---------------|----------|--------------|
| Total Balance Requirement | 72,086 | (+ 14) | 5,149 |
| Carryover From Prior Period | 1,022 | (+ 14) | 73 |
| Total Balance To Be Held | 71,064 | | |
| FRB Actual Balances (11 Days) | 58,225 | (+ 11) | 5,293 |
| User Estimated Balances (0 Days) | 0 | | |
| FRB Actual As-ofs | -308 | (+ 14) | -22 |
| User Estimated As-ofs | 0 | | |
| Total Balance Held (includes Estimates) | 57,917 | | |
| Additional amount to be held for remaining 3 days | 13,147 | (÷ 3) | 4,382 |
| A ZERO POSITION CAN BE ACHIEVED ANYWHERE BETWEEN: | | | |
| Lowest Balance (Carryover to next period = -317) | 8,360 | (+ 3) | 2,787 |
| Highest Useful Balance (Carryover to next period) | 17,936 | (+ 3) | 5,979 |

In Thousands of Dollars
Federal Reserve Bank of San Francisco

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Document: Done

Clicking here → Balance Calculator

The Balance Calculator

Reserves - Netscape

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ReserveCalc

Select Date
and Reserve Report

11/27/2002

- Balance Calculator
- Position
- Account Balances
- As-of Adjustments
- Requirement
- Reservable Liabilities
- Position History

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Useful Links

- R&R Reporting & Reserves
- AMi Account Mgt.

BALANCE CALCULATOR - DETAIL

MAINTENANCE PERIOD 11/27/2002

DEPOSITORY INSTITUTION
ABA 123456789

RSSD 987654

[INSTRUCTIONS](#)



Click here...

ESTIMATE ACCOUNT BALANCES (in dollars) :

| | | | | |
|-----------|------------|--------------|------------|----------------------|
| Thursday | 11/14/2002 | 5,542,798.39 | 11/21/2002 | 5,294,612.86 |
| Friday | 11/15/2002 | 5,276,915.45 | 11/22/2002 | 5,244,331.17 |
| Saturday | 11/16/2002 | 5,276,915.45 | 11/23/2002 | 5,244,331.17 |
| Sunday | 11/17/2002 | 5,276,915.45 | 11/24/2002 | 5,244,331.17 |
| Monday | 11/18/2002 | 5,166,659.48 | 11/25/2002 | <input type="text"/> |
| Tuesday | 11/19/2002 | 5,431,572.36 | 11/26/2002 | <input type="text"/> |
| Wednesday | 11/20/2002 | 5,225,576.67 | 11/27/2002 | <input type="text"/> |

CURRENT FRB AS-OF ADJUSTMENTS (in thousands):

[-308](#)

ESTIMATE ADDITIONAL AGGREGATE AS-OFs (in dollars):

Calculate

Federal Reserve Bank of San Francisco

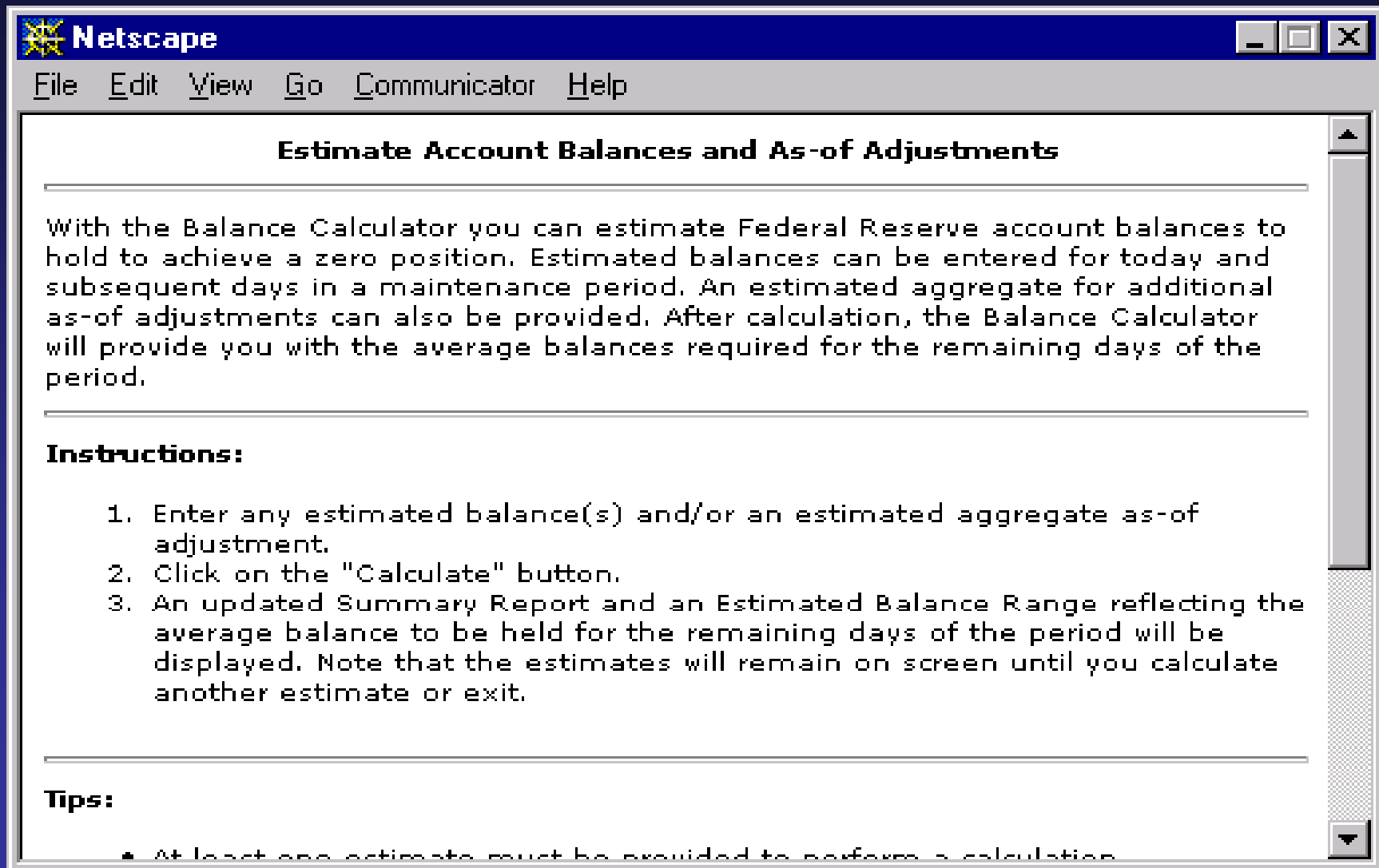
11/25/2002 2:11 PM ET



https://www.federalreserve.org/reserves/reserves/rwi/asof_adjustments.jsp?090d0f555e5c595



...and instructions pop up.



Tips

Enter estimated balances and estimated as-of adjustments in dollars and cents.

For holidays, estimated balances entered by the user, should be identical to the balance for the previous day.

ReserveCalc automatically uses Friday's estimated balance for the following Saturday and Sunday.

The Balance Calculator

Reserves - Netscape

File Edit View Go Communicator Help

ReserveCalc

Select Date and Reserve Report
11/27/2002

- Balance Calculator
- Position
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- As-of Adjustments
- Requirement
- Reservable Liabilities
- Position History

Print Report

Useful Links
R&R Reporting & Reserves
AMi Account Mgt.

BALANCE CALCULATOR - DETAIL MAINTENANCE PERIOD 11/27/2002
DEPOSITORY INSTITUTION
ABA 123456789 RSSD 987654

INSTRUCTIONS

ESTIMATE ACCOUNT BALANCES (in dollars) :

| | | | | | |
|-----------|------------|--------------|------------|--------------|---|
| Thursday | 11/14/2002 | 5,512,798.99 | 11/21/2002 | 5,291,612.86 | |
| Friday | 11/15/2002 | 5,276,915.45 | 11/22/2002 | 5,244,331.17 | |
| Saturday | 11/16/2002 | 5,276,915.45 | 11/23/2002 | 5,244,331.17 | |
| | | | 11/24/2002 | 5,244,331.17 | <input type="text" value="3250000.00"/> |
| Tuesday | 11/19/2002 | 5,431,972.36 | 11/26/2002 | | <input type="text"/> |
| Wednesday | 11/20/2002 | 5,225,576.67 | 11/27/2002 | | <input type="text"/> |

CURRENT FRB AS-OF ADJUSTMENTS (in thousands): [-308](#)

ESTIMATE ADDITIONAL AGGREGATE AS-OFS (in dollars):

Entering the estimated balance →

And then clicking here →

Federal Reserve Bank of San Francisco 11/25/2002 2:11 PM ET

https://www.federalreserve.org/reserves/reserves/rwi/asof_adjustments.jsp?090d0f555e5c595

The Balance Calculator

Target Balance - Netscape

File Edit View Go Communicator Help

BALANCE CALCULATOR - YOUR ESTIMATES MAINTENANCE PERIOD 11/27/2002

DEPOSITORY INSTITUTION
ABA 123456789 RSSD 987654

| | Aggregate | | Average |
|--|---------------|----------------|--------------|
| Total Balance Requirement | 72,086 | (+ 14) | 5,149 |
| Carryover From Prior Period | 1,022 | (+ 14) | 73 |
| Total Balance To Be Held | 71,064 | | |
| FRB Actual Balances (11/27/2002) | 58,225 | (+ 11) | 5,293 |
| User Estimated Balances (11/27/2002) | 3,250 | | |
| FRB Actual As-ofs | -308 | (+ 14) | -22 |
| User Estimated As-ofs | 0 | | |
| Total Balance Held (includes Estimates) | 61,167 | | |
| Additional amount to be held for remaining 2 days | 9,897 | (÷ 2) | 4,949 |
| A ZERO POSITION CAN BE ACHIEVED ANYWHERE BETWEEN: | | | |
| Lowest Balance (Carryover to next period = -317) | 14,686 | (+ 2) | 2,555 |
| Highest Useful Balance (Carryover to next period = 317) | | (+ 2) | 7,343 |

In Thousands of Dollars
Federal Reserve Bank of San Francisco

11/27/2002 12:50 PM ET

Estimated balance

New Target

New Range

The Balance Calculator

Reserves - Netscape

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ReserveCalc

Select Date and Reserve Report

11/27/2002

- Balance Calculator
- Position
- Account Balances
- As-of Adjustments
- Requirement
- Reservable Liabilities
- Position History

Print Report

Useful Links

- R&R Reporting & Reserves
- AMi Account Mgt.

BALANCE CALCULATOR - DETAIL

MAINTENANCE PERIOD 11/27/2002

DEPOSITORY INSTITUTION
ABA 123456789

RSSD 987654

INSTRUCTIONS

ESTIMATE ACCOUNT BALANCES (in dollars) :

| | | | | |
|-----------|------------|--------------|------------|---|
| Friday | 11/15/2002 | 5,542,798.39 | 11/21/2002 | 5,294,612.86 |
| Saturday | 11/16/2002 | 5,276,915.45 | 11/22/2002 | 5,244,331.17 |
| Sunday | 11/17/2002 | 5,276,915.45 | 11/23/2002 | 5,244,331.17 |
| Monday | 11/18/2002 | 5,166,659.48 | 11/24/2002 | 5,244,331.17 |
| Tuesday | 11/19/2002 | 5,431,572.36 | 11/25/2002 | <input type="text" value="3250000.00"/> |
| Wednesday | 11/20/2002 | 5,225,576.67 | 11/26/2002 | <input type="text"/> |
| | | | 11/27/2002 | <input type="text"/> |

CURRENT FRB AS-OF ADJUSTMENTS (in thousands):

-308

ESTIMATE ADDITIONAL AGGREGATE AS-OFs (in dollars):

Calculate

Federal Reserve Bank of San Francisco

11/25/2002 2:11 PM ET

https://www.federalreserve.org/reserves/reserves/rwi/asof_adjustments.jsp?090d0f555e5c595

The Preliminary Position Report

Reserves - Netscape

File Edit View Go Communicator Help

ReserveCalc

Select Date and Reserve Report

11/27/2002

- Balance Calculator
- Position
- Account Balances
- As-of Adjustments
- Requirement
- Reservable Liabilities
- Position History

Print Report

Useful Links

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DIRECT PRELIMINARY POSITION MAINTENANCE PERIOD 11/27/2002

DEPOSITORY INSTITUTION
ABA 123456789 RSSD 987654

| Maintenance Period End Dates | 11/27/2002 | 11/13/2002 | 10/30/2002 |
|---------------------------------|--------------|--------------|--------------|
| Reserve Requirement | 8,535 | 8,769 | 8,312 |
| Clearing Balance Requirement | 25 | 25 | 25 |
| Total Requirement | 8,560 | 8,794 | 8,337 |
| Usable Vault Cash | 3,411 | 2,960 | 3,190 |
| Account Balances | 5,293 | 5,933 | 5,267 |
| As-of Adjustments | -22 | -1 | 0 |
| Total Maintained | 8,682 | 8,892 | 8,457 |
| Gross Position | 122 | 98 | 120 |
| Carry Over From Previous Period | 0 | 0 | 0 |
| Clearing Balance Band | 25 | 25 | 25 |
| Subtotal | 97 | 73 | 95 |
| Allowable Carryover | 97 | 73 | 95 |
| Offset in Next Period | 97 | 0 | 0 |
| Net Position | 0 | 73 | 95 |

In Thousands of Dollars

Federal Reserve Bank of San Francisco

11/25/2002 12:51 PM ET

Document: Done

The Preliminary Position Report

Reserves - Netscape

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Select Date and Reserve Report

11/27/2002

- Balance Calculator
- Position
- Account Balances
- As-of Adjustments
- Requirement
- Reservable Liabilities
- Position History
- Print Report**

Useful Links

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- AMi Account Mgt.

DIRECT PRELIMINARY POSITION MAINTENANCE PERIOD 11/27/2002

DEPOSITORY INSTITUTION
ABA 123456789 RSSD 987654

| Maintenance Period End Dates | 11/27/2002 | 11/13/2002 | 10/30/2002 |
|------------------------------|--------------|--------------|--------------|
| Reserve Requirement | 8,535 | 8,769 | 8,312 |
| Clearing Balance Requirement | 25 | 25 | 25 |
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| As-of Adjustments | -22 | -1 | 0 |
| Total Maintained | 8,682 | 8,892 | 8,457 |
| Gre | | | 120 |
| Car | | | 0 |
| Cle | | | 25 |
| Subtotal | 97 | 73 | 95 |
| Allowable Carryover | 97 | 73 | 95 |
| Offset in Next Period | 97 | 0 | 0 |
| Net Position | 0 | 73 | 95 |

In Thousands of Dollars

Federal Reserve Bank of San Francisco

11/25/2002 12:51 PM ET

Document: Done

Always click here to print a report!

The Preliminary Position Report

Reserves - Netscape

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ReserveCalc

Select Date and Reserve Report

11/27/2002

- Balance Calculator
- Position
- Account Balances
- As-of Adjustments
- Requirement
- Reservable Liabilities
- Position History

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DIRECT PRELIMINARY POSITION MAINTENANCE PERIOD 11/27/2002

DEPOSITORY INSTITUTION
ABA 123456789 RSSD 987654

| | 11/27/2002 | 11/13/2002 | 10/30/2002 |
|---------------------------------|--------------|--------------|--------------|
| Requirement | 8,535 | | 8,312 |
| Clearing Balance Requirement | 25 | | 25 |
| Total Requirement | 8,560 | | 8,337 |
| Usable Vault Cash | 3,411 | 2,960 | 3,190 |
| Account Balances | 5,293 | 5,933 | 5,267 |
| As-of Adjustments | -22 | -1 | 0 |
| Total Maintained | 8,682 | 8,892 | 8,457 |
| Gross Position | 122 | 98 | 120 |
| Carry Over From Previous Period | 0 | 0 | 0 |
| Clearing Balance Band | 25 | 25 | 25 |
| Subtotal | 97 | 73 | 95 |
| Allowable Carryover | 97 | 73 | 95 |
| Offset in Next Period | 97 | 0 | 0 |
| Net Position | 0 | 73 | 95 |

In Thousands of Dollars
Federal Reserve Bank of San Francisco

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Document: Done

Account Balances

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Select Date and Reserve Report

11/27/2002

- Balance Calculator
- Position
- Account Balances
- As-of Adjustments
- Requirement
- Reservable Liabilities
- Position History

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ACCOUNT BALANCES **MAINTENANCE PERIOD 11/27/2002**

DEPOSITORY INSTITUTION
ABA 123456789 RSSD 987654

Average Account Balances (in thousands) **5,293**
Total Account Balances **58,224,959.62**

| | | | | |
|------------------|------------|---------------------|------------|---------------------|
| Thursday | 11/14/2002 | 5,542,798.39 | 11/21/2002 | 5,294,612.86 |
| Friday | 11/15/2002 | 5,276,915.45 | 11/22/2002 | 5,244,331.17 |
| Saturday | 11/16/2002 | 5,276,915.45 | 11/23/2002 | 5,244,331.17 |
| Sunday | 11/17/2002 | 5,276,915.45 | 11/24/2002 | 5,244,331.17 |
| Monday | 11/18/2002 | 5,166,659.48 | 11/25/2002 | 0.00 |
| Tuesday | 11/19/2002 | 5,431,572.36 | 11/26/2002 | 0.00 |
| Wednesday | 11/20/2002 | 5,225,576.67 | 11/27/2002 | 0.00 |

Federal Reserve Bank of San Francisco 11/25/2002 12:52 PM ET

Document: Done

Account Balances

ReserveCalc

Select Date and Reserve Report
11/27/2002

- Balance Calculator
- Position
- Account Balances
- As-of Adjustments
- Requirement
- Reservable Liabilities
- Position History

Print Report

Useful Links

- R&R Reporting & Reserves
- AMi Account Mgt.

ACCOUNT BALANCES MAINTENANCE PERIOD 11/27/2002

DEPOSITORY INSTITUTION
ABA 123456789 RSSD 987654

Average Account Balances (in thousands) 5,293
Total Account Balances 58,224,959.62

| | | | | |
|-----------|------------|--------------|------------|--------------|
| Thursday | 11/14/2002 | 5,542,798.39 | 11/21/2002 | 5,294,612.86 |
| Friday | 11/15/2002 | 5,276,915.45 | 11/22/2002 | 5,244,331.17 |
| Saturday | | 5,276,915.45 | 11/23/2002 | 5,244,331.17 |
| Sunday | | 5,166,659.48 | 11/24/2002 | 5,244,331.17 |
| Tuesday | | 5,431,572.36 | 11/25/2002 | 0.00 |
| Wednesday | 11/20/2002 | 5,225,576.67 | 11/26/2002 | 0.00 |
| | | | 11/27/2002 | 0.00 |

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As-of Adjustments Summary Report

Reserves - Netscape

File Edit View Go Communicator Help

ReserveCalc

Select Date and Reserve Report

11/27/2002

- Balance Calculator
- Position
- Account Balances
- As-of Adjustments
- Requirement
- Reservable Liabilities
- Position History

Print Report

Useful Links

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- AMi Account Mgt.

AS-OF ADJUSTMENTS - SUMMARY **MAINTENANCE PERIOD 11/27/2002**

DEPOSITORY INSTITUTION
ABA 123456789 RSSD 987654

Average As-of Adjustments (in thousands) -22

Total As-of Adjustments **-303,726.04**

| | | | | |
|-----------|------------|------|------------|------|
| Thursday | 11/14/2002 | 0.00 | 11/21/2002 | 0.00 |
| Friday | 11/15/2002 | 0.00 | 11/22/2002 | 0.00 |
| Saturday | 11/16/2002 | 0.00 | 11/23/2002 | 0.00 |
| Sunday | 11/17/2002 | 0.00 | 11/24/2002 | 0.00 |
| Monday | 11/18/2002 | 0.00 | 11/25/2002 | 0.00 |
| Tuesday | 11/19/2002 | 0.00 | 11/26/2002 | 0.00 |
| Wednesday | 11/20/2002 | 0.00 | 11/27/2002 | 0.00 |

Applied on a Date Before this Maintenance Period Began **-303,726.04**

Applied on a Date After this Maintenance Period Ended **0.00**

Federal Reserve Bank of San Francisco 11/25/2002 12:54 PM ET

Document: Done

As-of Adjustments Summary Report

Reserves - Netscape

File Edit View Go Communicator Help

ReserveCalc

Select Date and Reserve Report

11/27/2002

- Balance Calculator
- Position
- Account Balances
- As-of Adjustments
- Requirement
- Reservable Liabilities
- Position History

Print Report

Useful Links

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- AMi Account Mgt.

AS-OF ADJUSTMENTS - SUMMARY MAINTENANCE PERIOD 11/27/2002

DEPOSITORY INSTITUTION
ABA 123456789 RSSD 987654

Average As-of Adjustments (in thousands) -22
Total As-of Adjustments **-303,726.04**

| | | | | |
|-----------|------------|------|------------|------|
| Thursday | 11/14/2002 | 0.00 | 11/21/2002 | 0.00 |
| Friday | 11/15/2002 | 0.00 | 11/22/2002 | 0.00 |
| Saturday | 11/16/2002 | 0.00 | 11/23/2002 | 0.00 |
| Sunday | 11/17/2002 | 0.00 | 11/24/2002 | 0.00 |
| Monday | 11/18/2002 | 0.00 | 11/25/2002 | 0.00 |
| Tuesday | 11/19/2002 | 0.00 | 11/26/2002 | 0.00 |
| Wednesday | 11/20/2002 | 0.00 | 11/27/2002 | 0.00 |

Applied on a Date Before this Maintenance Period Began **-303,726.04**
Applied on a Date After this Maintenance Period Ended **0.00**

Federal Re **For example, clicking here** 11/25/2002 12:54 PM ET

Document: Done

As-of Adjustments Detail Report

Reserves - Netscape

File Edit View Go Communicator Help

ReserveCalc

Select Date and Reserve Report

11/27/2002

- Balance Calculator
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- Position History

Print Report

Useful Links

- R&R Reporting & Reserves
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AS-OF ADJUSTMENTS DETAIL - FUTURE MAINTENANCE PERIOD 11/27/2002

DEPOSITORY INSTITUTION
ABA 123456789 RSSD 987654

| Entry Date | Approved Date | Apply Date | Entry Amount | Applied Amount |
|------------|---------------|------------|--------------|----------------|
| 11/13/2002 | 11/13/2002 | 11/13/2002 | -47,536.55 | -47,536.55 |
| 11/13/2002 | 11/13/2002 | 11/13/2002 | -256,189.49 | -256,189.49 |

Federal Reserve Bank of San Francisco 11/25/2002 12:55 PM ET

Document: Done

As-of Adjustments Detail Report

ReserveCalc

Select Date and Reserve Report

11/27/2002

- Balance Calculator
- Position
- Account Balances
- As-of Adjustments
- Requirement
- Reservable Liabilities
- Position History

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Useful Links

- Reporting & Reserves
- AMi Account Mgt.

AS-OF ADJUSTMENTS DETAIL - FUTURE MAINTENANCE PERIOD 11/27/2002

DEPOSITORY INSTITUTION
ABA 123456789 RSSD 987654

| Entry Date | Approved Date | Apply Date | Entry Amount | Applied Amount |
|------------|---------------|------------|--------------|----------------|
| 11/13/2002 | 11/13/2002 | 11/13/2002 | -47,536.55 | -47,536.55 |
| 11/13/2002 | 11/13/2002 | 11/13/2002 | -256,189.49 | -256,189.49 |

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The Requirement Report

Reserves - Netscape

File Edit View Go Communicator Help

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Select Date and Reserve Report

11/27/2002

- Balance Calculator
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- Position History

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Useful Links

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REQUIREMENT MAINTENANCE PERIOD 11/27/2002

DEPOSITORY INSTITUTION
ABA 123456789 RSSD 987654

Deposit Data Status: [Final](#)

Click here...

| | Percent Applied | Daily Avg Required |
|---|-----------------|--------------------|
| Reservable Liabilities From: 10/15/2002 - 10/28/2002 | | |
| Net Transaction Accounts | | |
| Exempt | | 5,700 |
| Up to (35.6) | 3 | 1,068 |
| Over (35.6) | 10 | 7,467 |
| Gross Reserve Requirement | | 8,535 |
| Less Tranche Loss Adjustment | | 0 |
| Net Total Reserve Requirement | | 8,535 |
| Reported Vault Cash | | 3,411 |
| Less Usable Vault Cash | | 3,411 |
| Reserves to be Maintained | | 5,124 |
| Clearing Balance Requirement | | 25 |
| Total Balance Required with FRB San Francisco | | 5,149 |

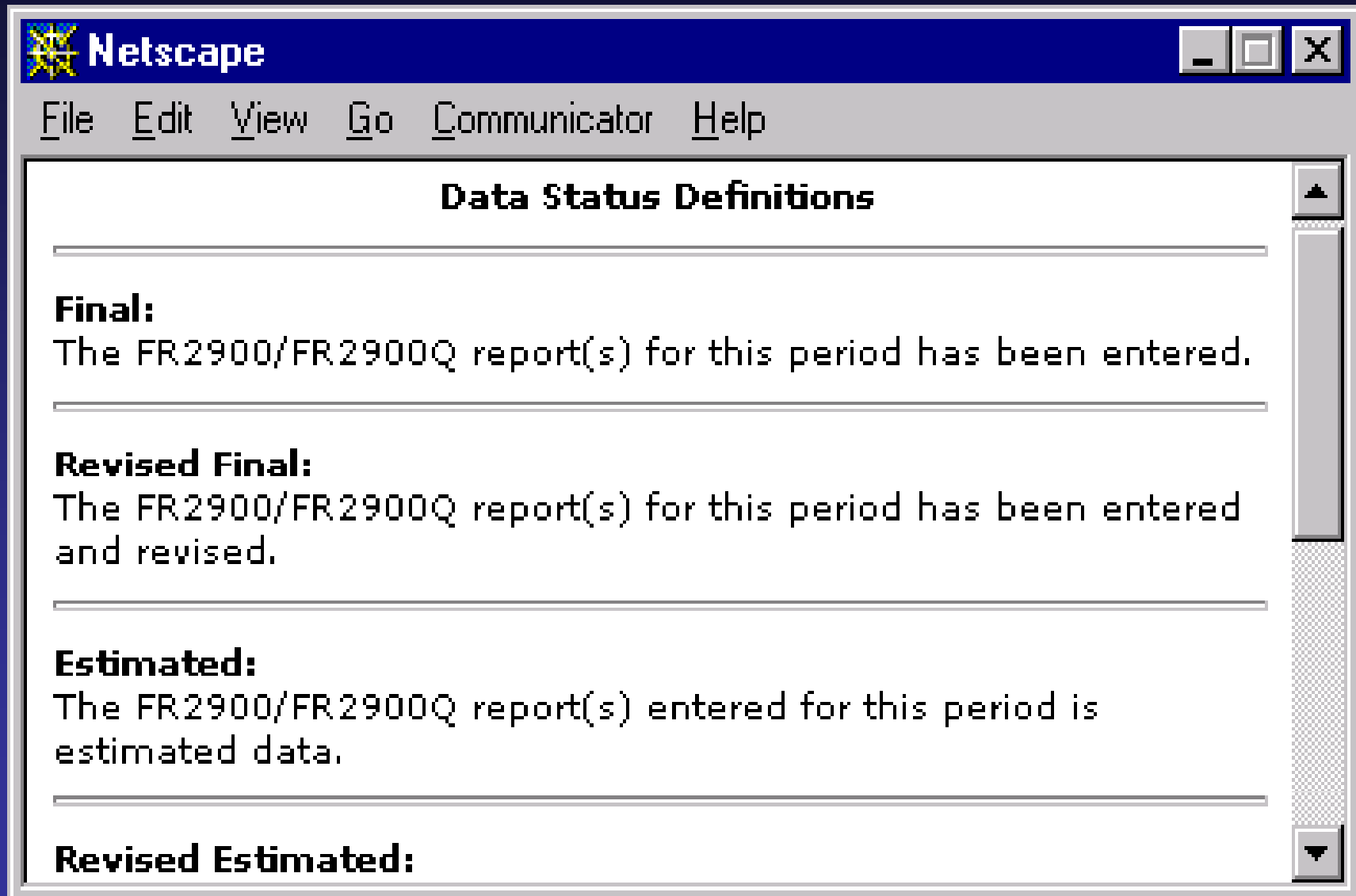
In Thousands of Dollars

Federal Reserve Bank of San Francisco

11/25/2002 12:56 PM ET

Document: Done

...and a glossary pops up .



The Requirement Report

Reserves - Netscape

File Edit View Go Communicator Help

ReserveCalc

Select Date and Reserve Report

11/27/2002

- Balance Calculator
- Position
- Account Balances
- As-of Adjustments
- Requirement
- Reservable Liabilities
- Position History

Print Report

Useful Links

- R&R Reporting & Reserves
- AMi Account Mgt.

REQUIREMENT MAINTENANCE PERIOD 11/27/2002

DEPOSITORY INSTITUTION
ABA 123456789 RSSD 987654

Deposit Data Status: [Final](#)

| | Daily Avg Deposits | Percent Applied | Daily Avg Required |
|---|--------------------|-----------------|--------------------|
| Reservable Liabilities From: 11/27/2002 - 10/28/2002 | | | |
| Net Transaction Accounts | | | |
| Exempt | | | |
| Up to (35.6) | | 3 | 1,068 |
| Over (35.6) | | 10 | 7,467 |
| Gross R | | | 8,535 |
| | | | 0 |
| Net Tot | | | 8,535 |
| Reported Vault Cash | 3,411 | | |
| Less Usable Vault Cash | | | 3,411 |
| Reserves to be Maintained | | | 5,124 |
| Clearing Balance Requirement | | | 25 |
| Total Balance Required with FRB San Francisco | | | 5,149 |

In Thousands of Dollars

Federal Reserve Bank of San Francisco 11/25/2002 12:56 PM ET

Document: Done

Reservable Liabilities

Reserves - Netscape

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ReserveCalc

Select Date and Reserve Report

11/27/2002

- Balance Calculator
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- Position History

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RESERVABLE LIABILITIES

MAINTENANCE PERIOD 11/27/2002

DEPOSITORY INSTITUTION
ABA 123456789

RSSD 987654

[Report Item](#)



Click here...

For
od
28/2002

Deposits

| | | |
|-----|---------|---------|
| A1A | 21 | 145 |
| A1B | 880 | 402 |
| A1C | 452,779 | 442,105 |
| A2 | 426,515 | 423,465 |
| B1 | 21,198 | 20,777 |
| B2 | 43,041 | 37,737 |
| E1 | 25,407 | 22,344 |
| F2 | 280,782 | 289,229 |
| AA1 | 0 | 0 |
| AA2 | 0 | 0 |

Eurocurrency

| | | |
|--------------------|---|---|
| Foreign Borrowing | 0 | 0 |
| Liabilities To Own | 0 | 0 |
| Claims On Own | 0 | 0 |
| Total Assets | 0 | 0 |
| Assets Acquired | 0 | 0 |
| Credit Extended | 0 | 0 |

In Thousands of Dollars

Federal Reserve Bank of San Francisco

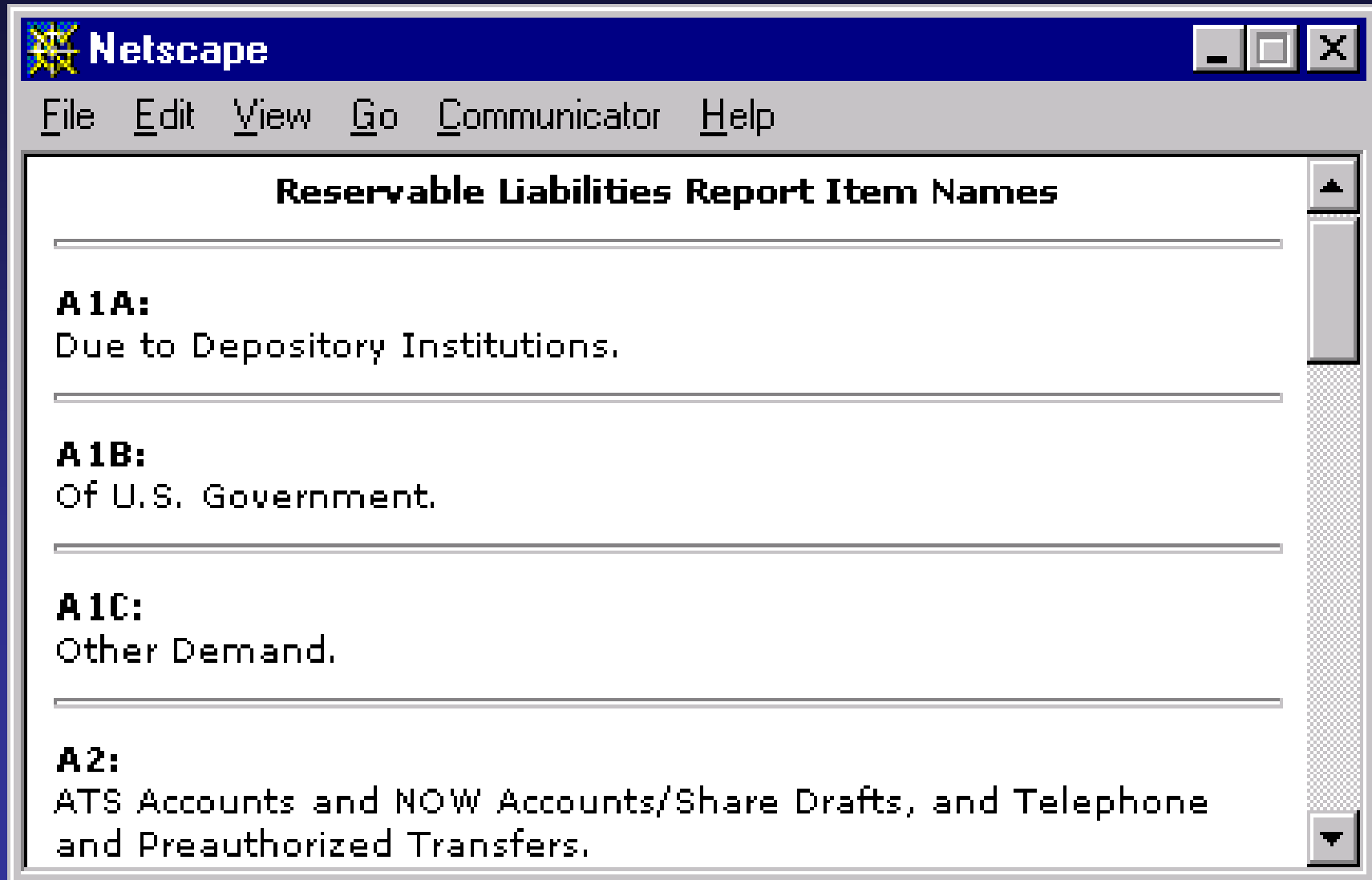
11/25/2002 4:22 PM ET



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...and a glossary pops up.



Reservable Liabilities

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ReserveCalc

Select Date and Reserve Report
11/27/2002

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AMi Account Mgt.

RESERVABLE LIABILITIES MAINTENANCE PERIOD 11/27/2002
DEPOSITORY INSTITUTION ABA 123456789 RSSD 987654

Select Amounts For
Calculation Period 10/28/2002

Deposits

| A1A | 21 | 145 |
|-----|---------|---------|
| A1B | 880 | 402 |
| A1C | 452,779 | 442,105 |
| A2 | 426,515 | 423,465 |
| B1 | 21,198 | 20,777 |

Eurocurrency

| | | |
|--------------------|---|---|
| Foreign Borrowing | 0 | 0 |
| Liabilities To Own | 0 | 0 |
| Claims On Own | 0 | 0 |
| Total Assets | 0 | 0 |
| Assets Acquired | 0 | 0 |
| Credit Extended | 0 | 0 |

In Thousands of Dollars
Federal Reserve Bank of San Francisco 11/25/2002 4:22 PM ET

Document: Done

The Position History

Reserves - Netscape

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ReserveCalc

Select Date and Reserve Report

1/23/2002

- Balance Calculator
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- Account Balances
- As-of Adjustments
- Requirement
- Reservable Liabilities
- Position History

Print Report

Useful Links

- R&R Reporting & Reserves
- AMi Account Mgt.

POSITION HISTORY MAINTENANCE PERIOD 01/23/2002

DEPOSITORY INSTITUTION
ABA 123456789 RSSD 987654

| Maintenance Period End Date | Final Position (in thousands) | Clearing Charge | Reserve Charge | Total Charge | Charge Disposition | Charge Date |
|-----------------------------|-------------------------------|-----------------|----------------|--------------|--------------------|-------------|
| 11/27/2002 | 0* | N/A | N/A | N/A | | |
| 11/13/2002 | 15* | N/A | N/A | N/A | | |
| 10/30/2002 | 31* | N/A | N/A | N/A | | |
| 10/16/2002 | 155 | 0.00 | 0.00 | 0.00 | | |
| 10/02/2002 | 38 | 0.00 | 0.00 | 0.00 | | |
| 09/18/2002 | 34 | 0.00 | 0.00 | 0.00 | | |
| 09/04/2002 | 65 | 0.00 | 0.00 | 0.00 | | |
| 08/21/2002 | -413 | 0.00 | 0.00 | 0.00 | Charged | 10/09/2002 |
| 08/07/2002 | 0 | 0.00 | 0.00 | 0.00 | | |
| 07/24/2002 | 114 | 0.00 | 0.00 | 0.00 | | |
| 07/10/2002 | 244 | 0.00 | 0.00 | 0.00 | | |
| 06/26/2002 | 90 | 0.00 | 0.00 | 0.00 | | |
| 06/12/2002 | 217 | 0.00 | 0.00 | 0.00 | | |
| 05/29/2002 | 34 | 0.00 | 0.00 | 0.00 | | |
| 05/15/2002 | 74 | 0.00 | 0.00 | 0.00 | | |
| 05/01/2002 | 31 | 0.00 | 0.00 | 0.00 | | |
| 04/17/2002 | 169 | 0.00 | 0.00 | 0.00 | | |
| 04/03/2002 | 89 | 0.00 | 0.00 | 0.00 | | |
| 03/20/2002 | 63 | 0.00 | 0.00 | 0.00 | | |
| 03/06/2002 | 36 | 0.00 | 0.00 | 0.00 | | |
| 02/20/2002 | 7 | 0.00 | 0.00 | 0.00 | | |
| 02/06/2002 | 132 | 0.00 | 0.00 | 0.00 | | |
| 01/23/2002 | 37 | 0.00 | 0.00 | 0.00 | | |

* Unfinalized Position Data

Federal Reserve Bank of San Francisco

11/25/2002 12:59 PM ET

Document: Done

11/25/2002 12:59 PM ET

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The Final Position Report

Reserves - Netscape

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ReserveCalc

Select Date
and Reserve Report

1/23/2002

- Balance Calculator
- Position
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- As-of Adjustments
- Requirement
- Reservable Liabilities
- Position History

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Useful Links

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- AMi Account Mgt.

DIRECT FINAL POSITION

MAINTENANCE PERIOD 08/21/2002

DEPOSITORY INSTITUTION
ABA 123456789

RSSD 987654

| | |
|---------------------------------|--------------|
| Reserve Requirement | 1,757 |
| Clearing Balance Requirement | 0 |
| Total Requirement | 1,757 |
| Usable Vault Cash | 1,159 |
| Account Balances | 85 |
| As-of Adjustments | 0 |
| Total Maintained | 1,244 |
| Gross Position | -513 |
| Carry Over From Previous Period | 30 |
| Clearing Balance Band | 0 |
| Subtotal | -483 |
| Allowable Carryover | -70 |
| Offset in Next Period | -70 |
| Net Position | -413 |

Penalty Information

was charged on 10/09/2002:

| | |
|-------------------------------------|---------------|
| Clearing Balance Deficiency Penalty | |
| Penalty Calculated At 2.0% | 0 |
| Penalty Calculated At 4.0% | 0 |
| Reserve Deficiency Penalty | |
| Penalty Calculated At 3.25% | 514.84 |
| Total Penalty | 514.84 |

In Thousands of Dollars

Federal Reserve Bank of San Francisco

11/25/2002 12:59 PM ET

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