

The Depository Trust Company

IMPORTANT

B#: 4631

DATE: May 28, 2003

TO: DTC/NSCC Settling Banks

CATEGORY: Settlement/Underwriting

FROM: Product Management

ATTENTION: Managing Partner/Officer, Operations Manager

SUBJECT: Consolidated Settlement System

Subject to SEC approval, The Depository Trust Company (DTC) and The National Securities Clearing Corporation (NSCC) will introduce a consolidated settlement system. The new consolidated settlement system will provide DTC and NSCC participants and their settling banks with a single set of Participant Terminal System (PTS) functions. Each settling bank will be able to view its settlement activity and will be provided a consolidated netted and/or aggregated DTC/NSCC settlement obligation. To provide an opportunity for settling banks to become familiar with the new consolidated settlement screens, the new consolidated system will be implemented in a parallel with the current DTC and NSCC settlement systems.

Although DTC and NSCC will calculate and display a single consolidated settlement obligation for each settling bank, the two organizations (DTC and NSCC) will remain separate legal entities and each settling bank will continue to have a separate settlement obligation to/from DTC and NSCC. The identity of settlement obligations by organization will be maintained and shown separately. NSCC related and DTC related debit and credit activity will be separately summarized in one consolidated activity statement, and the final NSCC and DTC balances will be netted and/or aggregated to one ultimate balance for each participant/settling bank. The consolidated DTC/NSCC settlement system will reduce the redundancies associated with running two separate settlement systems, but will not change each participant's settlement obligation to/from DTC and NSCC, respectively.

Current Process

Currently, DTC and NSCC run separate settlement systems. Throughout the day, each settlement system processes debit and credit transactions generated by participant activities at each organization in their respective product lines. The settlement data is summarized and reported by product category (e.g., CNS, Mutual Funds, Envelope Services, etc., at NSCC or Delivery Orders, Stock Loans, Dividends, Redemptions, etc. at DTC) on separate PTS functions, (i.e., “FFS” for DTC activity and “NSCC” for NSCC activity). Throughout the day, settling banks can view settlement balances in their respective settlement systems. At a predetermined time, DTC and NSCC cease processing valued transactions, and each organization calculates a separate final settlement obligation for each participant.

Following the determination of final participant settlement obligations, a participant’s credit balance at one organization will be netted against its debit balance at the other (a process referred to as “cross-endorsement”). Once cross-endorsement is complete, and all settlement balances are final, settling banks are required to “acknowledge” settlement obligation(s) on behalf of their participant customers. Currently, banks that settle on behalf of participants with both DTC and NSCC balances are required to acknowledge the respective balances in both the DTC and NSCC settlement systems. Once balances are acknowledged, settling banks transmit or receive funds separately to or from DTC’s account (and NSCC’s sub account) at the Federal Reserve Bank of New York (FRBNY).

The New Settlement System

In 2001, DTC introduced new PTS “SET” functions. The new SET functions are “modernized” versions of the DTC FFS functions and are available via PTS and the Participant Browser Services (PBS). The SET functions (SETB and SETP) will be modified to become the new DTC/NSCC consolidated settlement function. All existing NSCC settlement activity codes will be added to the SET functions. Additionally, the functions will be updated with DTC and NSCC settlement data throughout the day. Each participant’s net DTC and NSCC settlement balance will be separately summarized, and the final end of day DTC and NSCC balances will be netted and/or aggregated to one ultimate DTC/NSCC balance for each participant. Each participant’s netted and/or aggregated DTC/NSCC settlement balance will “roll-up” to its respective settling bank and be netted with other participant balances to create one DTC/NSCC obligation per settling bank. Dual participants who utilize separate settling banks at each organization will not have their net DTC and net NSCC balances aggregated. Each settling bank will be required to acknowledge its consolidated settlement obligation, and will send or receive a single wire payment to/from DTC’s account at the FRBNY representing its consolidated DTC/NSCC settlement obligation.

In order to implement the consolidated settlement system and commence parallel testing, beginning May 12, 2003, until June 2, 2003, access to the PTS SET functions will be blocked. During this time, settling banks will be required to access the existing PTS FFS system to view all DTC settlement activity.

Beginning June 2, 2003, settling banks will be able to access the SETB function to view both DTC and NSCC settlement activity and will be able to view a consolidated netted DTC/NSCC settling bank settlement obligation. (Copies of the new consolidated PTS screens are attached. PBS screens will be distributed prior to the June 2 implementation date.)

Consolidated Settlement System Implementation (Parallel Phase)

To allow settling banks to become comfortable with the consolidated settlement screens on the SETB function, the consolidated system will be introduced in parallel with the existing DTC and NSCC settlement systems beginning on June 2, 2003. During the parallel phase, settling banks will be able to access the existing PTS FFSB function to view DTC settlement data, the existing PTS NSCC function to view NSCC settlement data, and the new PTS SETB function to view consolidated settlement data. **During the parallel phase, settling banks must continue to acknowledge settlement obligations separately via each of the DTC FFSB and NSCC functions and must continue to send and receive funds using existing FRBNY wire instructions.**

Settling Bank Acknowledgement/Funds Transfer Processing (Post Parallel)

Upon the completion of the parallel period (date to be announced), settling banks will be required to acknowledge their consolidated settlement obligations via the new SETB function, and access to the FFSB and NSCC Money Settlement function will be blocked. Likewise, upon the completion of the parallel period, settling banks will be required to acknowledge their consolidated DTC/NSCC settlement obligation and send or receive a single wire to DTC's FRBNY account representing the consolidated DTC/NSCC balances of all participants for whom they settle. The wire instructions used to settle consolidated DTC/NSCC settlement obligations will be the existing DTC wire instructions and will be included in a subsequent Notice announcing the date when the parallel period will end.

As part of the consolidation process, the wire instructions for NSCC settling banks will change. At the end of the parallel period, DTC/NSCC will no longer accept settling bank acknowledgments via the FFSB or NSCC functions. In addition, NSCC will no longer accept fund transfers directed to the NSCC Fed account (ABA #021051274). After the close of the parallel period, all wire transfers sent by DTC/NSCC to settling banks will be sent from the DTC FRBNY account (ABA#026002066) and will be sent using the existing DTC settling bank wire instructions for those settling banks that currently have wire instructions with DTC. NSCC-only Settling Banks will continue to receive their wires based upon the existing NSCC wire instructions.

After the end of the parallel period, those Settling Banks that currently settle their DTC obligation via the FRBNY's National Settlement System (NSS) service will automatically have their consolidated DTC/NSCC debit balances settled via NSS. Banks that do not wish to have their NSCC balances settled via NSS should notify their Relationship Manager prior to July 1, 2003.

Settling Bank Account Statement/Settling Bank Acknowledgement Screens

The new PTS SETB function will provide settling banks with a Settling Bank Account Statement that will allow them to view their respective participant's DTC- related- balances, NSCC- related- balances, and consolidated DTC/NSCC balances. In addition, the account statement will also display all Settling Bank funds transfers, all adjustments made to the Settling Bank's obligation, and any suspense balances carried forward from the proceeding business day. From each individual balance, settling banks will be permitted to view the details that comprise the specific balance. The Settling Bank Account Statement will also display each settling bank's net-net settlement obligation to or from DTC/NSCC.

Each Settling Bank will be required to acknowledge the consolidated net-net DTC/NSCC settlement obligation via the Settling Bank Acknowledgement screen. Again, the Settling Bank Acknowledgement screen will display the settling bank's DTC- related balance, NSCC- related balance, funds transfers, adjustments, suspenses, and a net-net consolidated bank obligation. **Banks must either agree to all consolidated balances or “refuse to pay” for a specified participant’s DTC balance and/or NSCC balance.**

If valued post cutoff DTC or NSCC activity occurs after a Settling Bank acknowledges its balance, the affected Settling Bank will be prompted (via the SETB function) to re-acknowledge their new Settling Bank obligation.

Refusal To Pay

If a Settling Bank refuses to pay for one or more of its participant balances, the relevant settlement obligations will be removed from the bank's balance and the bank will be prompted to re-acknowledge and settle its new settlement obligation.

Settling Bank Sign-ons

Currently, all DTC Settling Banks have a unique settling bank PTS sign-on (“A” sign-on) that allow them to access specific PTS settling bank screens. Those banks that already have this sign-on will not be required to change their sign-on. NSCC-only settling banks will be required to contact their Account Relationship Manager to get a new “A sign-on” to replace their current 4 digit sign-on. These requests should be sent before June 2 to ensure that new sign-ons are available for use during the parallel stage. At the end of the parallel stage, all settling banks must have an “A sign-on” to have access to the consolidated settlement system to acknowledge and/or refuse end of day settlement obligations.

Settlement Cutoffs

DTC and NSCC expect to modify some of the existing settlement cutoffs at a future date. The following changes are expected:

Function	Current	New
Final Figures	4:00 PM	3:45 PM
Settling Banks Acknowledgements	4:30 PM	4:15 PM
Debit Payments (Settling Banks)	5:00 PM	4:45 PM

The date these new cutoffs will be effective will be announced in a future Important Notice.

All other input and settlement cutoffs will remain unchanged.

Reporting

A new DTC/NSCC Settling Bank Settlement Super Statement will be produced. This report will contain all settling bank activity, and will replace the existing FFS Bank Super Statement. The DTC/NSCC Settling

Bank Settlement Super Statement will be available beginning June 2, and will be produced in parallel with the FFS Bank Super Statement during the parallel period. At the end of the parallel period, the exact date of

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which will be announced in a future Notice, the FFS Bank Super Statement will no longer be produced. The delivery method used to receive the settling bank reports will remain unchanged.

Settling banks that currently receive the FFS Bank Super Statement will automatically receive the DTC/NSCC Settling Bank Settlement Super Statement. Settling banks that do not currently receive a FFS Bank Super Statement (NSCC-only settling banks) should contact their Relationship Managers and make arrangements to receive the report.

Although DTC and NSCC will be producing reports in both the old and new formats, the old report formats will be the official records until the end of the parallel period. During the parallel period, the new reports are to be used for testing and comparison purposes only.

The existing DTC Machine Readable Output (MRO) Computer-to-Computer Facility (CCF) file (Bank by Legal Entities Balance), and the existing NSCC MRO file (MSS Settling Bank file, Autoroute # 02132661) will be replaced by a new consolidated settling bank MRO which will be distributed via CCF. Consolidated Settling Bank file layouts are attached.

A copy of this Important Notice can be found at DTC's Web site <http://www.dtc.org> or NSCC's Web site <http://www.nsc.com> in the Important Notice section. If you have any questions regarding these modifications, please contact your Relationship Manager, Patricia Ryan (212) 855-8427, Vincent Mc Devitt (212) 855-5694 or the undersigned at (212) 855-8434.

John Abel
Director
Product Marketing and Development

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Consolidated Settlement System

Modifications to Participant Terminal System (PTS) Screens



DTCC

*The Depository Trust &
Clearing Corporation*

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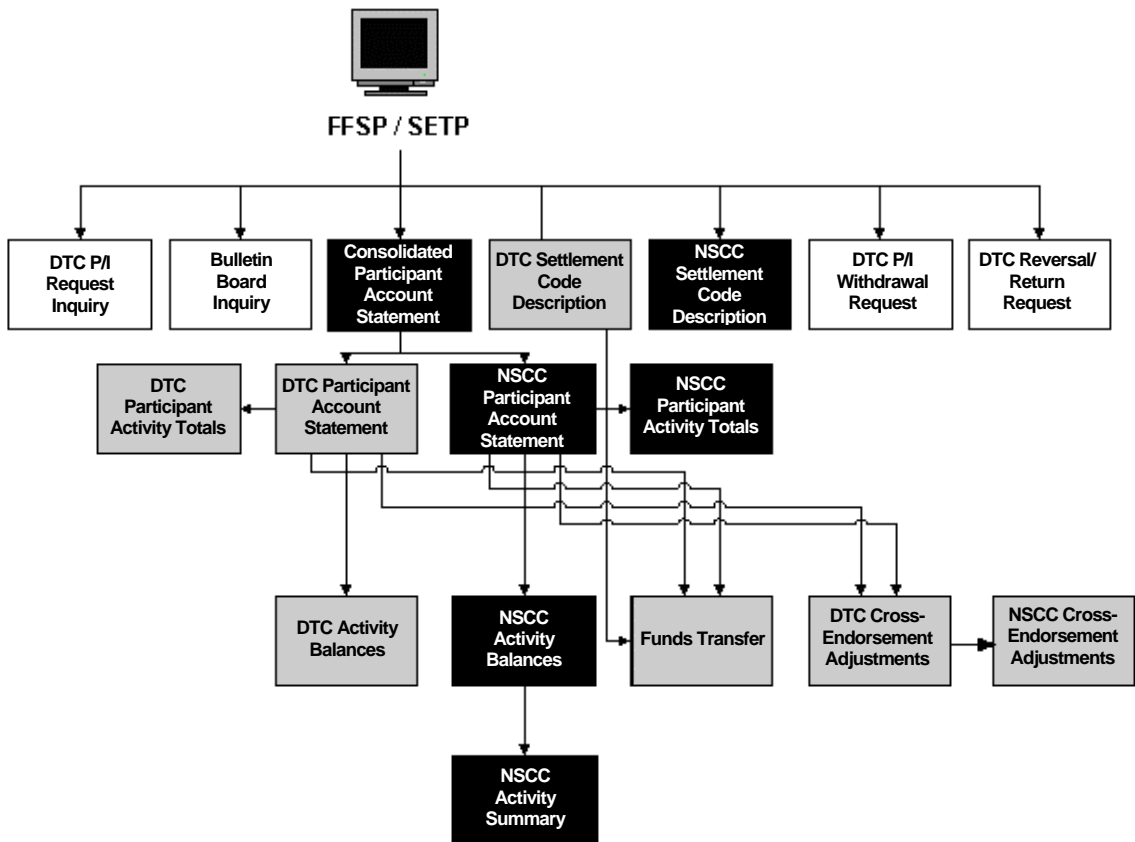
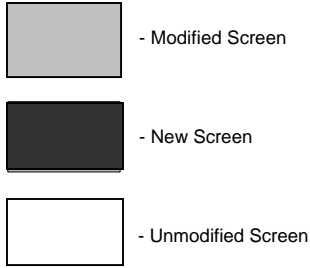
Introduction

Using the current Fed Funds Settlement (FFS) system, accessible through the FFS* and SET* functions via the Participant Terminal System (PTS) and the Settlement application in the Web-based Participant Browser Services (PBS), different types of users can view account balances, transaction details, and general settlement progress. In the new Consolidated Settlement system, some screens have been added and some have been updated to allow participants and settling banks to manage their settlement process for both the depository and the clearing corporation. The SET* online screens have been modified to allow inquiry and updating capabilities for NSCC accounts.

The following sections show the flow of screens for Consolidated Settlement for the PTS functions **SETP** (participant functions) and **SETB** (settling bank functions), followed by samples and brief descriptions of the new and updated screens.

Note: SETP replaces FFSP, and SETB replaces FFSB.

Participant Screens



Consolidated Participant Account Statement



The **new** Consolidated Participant Account Statement screen displays both the DTC and NSCC balances as well as a combined balance on the "Total" line.

```

_ MENU _ ART _ PEND _ POS _ RMCI _ BULT _ _____ _ HELP
Q$N@                                DTC / NSCC                                12/17/2002
00002199-99      CONSOLIDATED PARTICIPANT ACCOUNT STATEMENT      15:12:58
=====
SETTLEMENT DATE: 12 / 17 / 2002                                FINAL FIGURES: 15:52
PARTICIPANT NUMBER: 2199

DTC PART: 2199
DTC TEST PARTICIPANT
NSCC PART: 2199
NSCC TEST PARTICIPANT

_ (P)ART (L)EG ENTITY

_ DTC TOTALS      2,924,822,274.33      3,257,640,420.28      332,818,145.95 CR
_ NSCC TOTALS      625,489,680.44      497,518,600.15      127,971,080.29 DB

TOTAL      3,550,311,954.77      3,755,159,020.43      204,847,065.66 CR

=====FFPS
ENTER:PROCESS      PF3/15:PREV DATE PF6/18:PREV SCR PF8/20:END
                  PF7/19:SET MENU PF9/21:SIGNOFF
    
```

DTC Participant Account Statement

The DTC Participant Account Statement screen allows an eligible user to inquire on all aspects of the daily settlement process for a participant account, collateral group, or legal entity.

```

_ MENU _ ART _ PEND _ POS _ RMCI _ BULT _ _____ _ HELP
Q$N@                                12/17/2002
00002199-70      DTC PARTICIPANT ACCOUNT STATEMENT      15:28:33
SETTLEMENT DATE: 11 / 08 / 2002                                FINAL FIGURES: 15:52
PARTICIPANT NUMBER: 2199
DTC TEST PARTICIPANT

BANK: 12345678 TEST BANK
_ (P)ART (C)OLL GRP (L)EG ENTITY

_ ACTIVITY BALANCE      2,924,822,274.33      3,257,588,115.78
_ FUNDS TRANSFER      100.00      .00
_ ADJUSTMENTS      .00      52,304.50
_ POST ACTIVITY      10.00      .00
SUSPENSES      1.00

NET BALANCE      332,818,036.95 CR

=====FFPS
ENTER:PROCESS      PF3/15:PREV DATE PF6/18:PREV SCR PF8/20:END
                  PF7/19:SET MENU PF9/21:SIGNOFF
    
```

DTC Activity Balances

On the DTC Participant Account Statement screen, selecting Activity Balance displays the DTC Activity Balances screen. The DTC Activity Balances screen displays a participant's or a collateral group's balances by settlement activity code.

Details for participant

```

_ MENU _ ART _ PEND _ POS _ RMCI _ BULT _ _____ _ HELP

Q$N@
00002199-70          DTC PARTICIPANT ACCOUNT STATEMENT          11/08/2002
                                                              15:42:39
=====
                      DTC ACTIVITY BALANCES                      PAGE 1 OF 4
PART: 2199          DTC TEST PARTICIPANT

SETTLEMENT DATE: 11 / 08 / 2002

      ACTIVITY          DEBIT          CREDIT          BALANCE
_ 19  0 ID
      1,036,184,524.31          682,775,091.08          353,409,433.23 DB
_ 26  0 DO
      1,286,442,611.51          2,041,678,562.38          755,235,950.87 CR
_ 26  1 MMI/DO
      3,340,295.57          22,432,363.46          19,092,067.89 CR
_ 26  4 ISSUANCE
      578,176,668.92          .00          578,176,668.92 DB
_ 26  5 DO STK LN
      2,878,200.00          .00          2,878,200.00 DB
===== FFPS
ENTER:PROCESS      PF6/18:PREV SCREEN  PF8/20:END      PF10/22:BKWD
                   PF7/19:SET MENU      PF9/21:SIGNOFF PF11/23:FRWD

```

DTC Legal Entity Account Statement

The DTC Legal Entity Account Statement allows an eligible user to inquire on settlement totals and participant account details.

```

_ MENU _ ART _ PEND _ POS _ RMCI _ BULT _ _____ _ HELP

Q$N@
00002199-70          DTC PARTICIPANT ACCOUNT STATEMENT          12/17/2002
                                                              15:35:15
SETTLEMENT DATE: 11 / 08 / 2002          FINAL FIGURES: 15:52
PARTICIPANT NUMBER: 2199
DTC TEST PARTICIPANT

                                FOR LEGAL ENTITY: 2199

      BANK: 12345678 TEST BANK
L (P)ART (C)OLL GRP (L)EG ENTITY

      ACTIVITY BALANCE          DEBIT          CREDIT
      2,924,822,274.33          3,257,588,115.78
FUNDS TRANSFER          100.00          .00
ADJUSTMENTS          .00          52,304.50
POST ACTIVITY          10.00          .00
SUSPENSES          .00          1.00
X-END          .00          868,730.00
_ X-END ADJ          121.00          533.00

NET BALANCE          333,687,178.95 CR
=====
ENTER:PROCESS      PF3/15:PREV DATE  PF6/18:PREV SCR  PF8/20:END
PF2/14:PART DETAILS          PF7/19:SET MENU  PF9/21:SIGNOFF

```


DTC Cross-Endorsement Adjustments

NEW

The **new** DTC Cross-Endorsement Adjustments screen displays cross-endorsement adjustments details.

```

_ MENU _ ART _ PEND _ POS _ RMCI _ BULT _ _____ _ HELP

Q$N@
00002199-70          DTC CROSS-ENDORSEMENT ADJUSTMENTS          11/08/2002
                                                                15:49:50
=====
                                                                PAGE 01 OF 01
DTC LEGAL ENTITY:      2199
DTC TEST PARTICIPANT

                AMOUNT      TIME      MANUAL I.D.
                533.00CR    15.33.42    D0000000-00
                121.00DB    15.34.00    D0000000-00

=====
ENTER:PROCESS  PF6/18:PREV SCREEN  PF8/20:END      PF10/22:BKWD
                PF7/19:SET MENU    PF9/21:SIGNOFF  PF11/23:FRWD
=====  FFPS

```

DTC SPP Reversal/Return Request

The DTC SPP Reversal/Return Request screen allows you to enter settlement progress payment reversal requests for your account for the current day.

```

EAAF          DTC PARTICIPANT TERMINAL SYSTEM          11/08/2002
00002199-70          S P P   R E V E R S A L / R E T U R N   R E Q U E S T          10:36:38

PARTICIPANT NUMBER : 2199          ORIGINATING ABA : 00000000

COORDINATOR PHONE  : 2125552290    COORDINATOR NAME : TIFFANY WELLES

ACCT NUMBER AT BANK: 456          DOLLAR AMOUNT   : 50,000.00

COMMENT           :

PF6/18 ==> PREV  PF7/19 ==> MAIN  PF8/20 ==> END   PF9/21 ==> SOFF  FFRR

```

DTC P/I Withdrawal Request

The DTC P/I Withdrawal Request screen displays the dollar amount of wires that were requested for the current business day, sent to your account at the Federal Reserve Bank, or canceled by DTC.

```

EAAF                      DTC PARTICIPANT TERMINAL SYSTEM          11/08/2002
00002199-70              SDFS P/I WITHDRAWAL REQUEST          10:49:48
PARTICIPANT: 2199
DTC TEST PARTICIPANT

084-00 - REORG                      .00
087-00 - DIVIDENDS                  .00
088-00 - REDEMPTION                 .00
TOTAL BALANCE:                      .00

REQUESTED:      2,071,470.46          SENT:          112.33
AVAILABLE:     -2,071,470.46          CANCELLED:    .00
*****
                                           PAGE 01 OF 01

BANK NAME                ACCT NUMBER      DOLLAR AMOUNT
TEST BANK 1              07614134
TEST BANK 1              9354012

PF2/14==> RECAP   PF6/18==> PREV   PF8/20==> END    PF10/22==> BKWD
PF7/19==> MAIN    PF9/21==> SOFF   PF11/23==> FRWD
    
```

DTC P/I Request Inquiry

The DTC P/I Request Inquiry displays a list of principal and interest withdrawal requests for the current business day.

```

EAAF                      DTC PARTICIPANT TERMINAL SYSTEM          11/08/2002
00002199-70              SDFS P/I REQUEST INQUIRY          10:58:15
                                           PAGE 1 OF 4
PART: 2199      C (C)URR/(H)IST  _ (R)EQUESTED/(S)ENT/(C)ANCELLED
DTC TEST PARTICIPANT

STATUS   ABA NUM   ACCOUNT   TIME           AMOUNT   USER
--
R        00000000 12345    15:02:20      1.00    D0000000-00
R        00000000 12345    12:45:49     100.00  D0000000-00
R        00000000 234567   16:41:13    1,000.00 D0000000-00
R        00000000 234567   14:43:31      1.00    00000000-00
R        00000000 234567   14:42:52      2.00    00000000-00
R        00000000 234567   10:47:45     100.00  00000000-00
R        00000000 25       17:15:57      1.00    D0000000-00
R        00000000 25       12:45:49     200.00  D0000000-00
R        00000000 54       12:45:49     500.00  D0000000-00
S        00000000 930401   09:31:59     112.33  D0000000-00
R        00000000 930401   10:47:44     10.00   00000000-00
R        00000000 930401   10:14:14     101.99  00000000-00
R        00000000 930401   15:51:35     12.00   D0000000-00

PF2/14 ==> RECAP   PF7/19 => MAIN    PF9/21 ==> SOFF   PF11/23 => FRWD
PF6/18 ==> PREV    PF8/20 => END     PF10/22 ==> BKWD
    
```

Bulletin Board Inquiry

The Bulletin Board Inquiry screen displays the details of a message selected from the List of Bulletin Board Subjects screen, which displays a list of Settlement messages for the current day.

```
EAAF                THE DEPOSITORY TRUST COMPANY                11/08/2002
00002199-70        SAME DAY FUNDS SETTLEMENT (SDFS) SERVICES    11:42:54
                   BULLETIN BOARD INQUIRY                     PAGE 1 OF 1
SUBJECT SECOND SETTLEMENT
BULLETIN TIME: 17:15:28                                BULLETIN CREATOR: D0000000-00
TO: ALL PARTICIPANTS AND SETTLING BANKS

SECOND SETTLEMENT ALLOCATIONS HAVE OCCURRED.  SETTLING BANKS WITH
ALLOCATIONS WILL RECEIVE THEIR WIRES SHORTLY.

ENTER:PROCESS  PF6/18:PREV SCREEN  PF8/20:EXIT    PF10/22:BKWD
```

NSCC Participant Account Statement NEW

The **new** NSCC Participant Account Statement screen allows an eligible user to inquire on all aspects of the daily settlement process for an NSCC participant account. The screen displays activity balances, fund transfers, adjustments, and post-activities by category code.

```
_ MENU _ ART _ PEND _ POS _ RMCI _ BULT _ ____ _ HELP
Q$N@
00002199-70        NSCC PARTICIPANT ACCOUNT STATEMENT          12/17/2002
SETTLEMENT DATE: 11 / 08 / 2002                            15:37:07
PARTICIPANT NUMBER: 2199                                    FINAL FIGURES: 15:52
NSCC TEST PARTICIPANT

BANK: 12345678 TEST BANK
_ (P)ART (L)EG ENTITY

DEBIT                CREDIT
_ ACTIVITY BALANCE          625,489,680.44          497,518,600.15
_ FUNDS TRANSFER                100.00                .00
_ ADJUSTMENTS                    .00                52,304.50
_ POST ACTIVITY                10.00                .00

NET BALANCE                                127,918,885.79 DB
=====FFPS
ENTER:PROCESS      PF3/15:PREV DATE PF6/18:PREV SCR PF8/20:END
PF7/19:SET MENU PF9/21:SIGNOFF
```

NSSC Activity Balances NEW

The **new** NSSC Activity Balances screen displays activity balances by settlement category code.

```

_ MENU _ ART _ PEND _ POS _ RMC I _ BULT _ _____ _ HELP
Q$N@                                     11/08/2002
00002199-70          NSSC PARTICIPANT ACCOUNT STATEMENT          15:43:54
=====
                                NSSC ACTIVITY BALANCES          PAGE 1 OF 2
PART: 2199          NSSC TEST PARTICIPANT

SETTLEMENT DATE: 11 / 08 / 2002

      DEBIT          CREDIT          BALANCE
_ 003  ENVELOPE S          163,038.98          376,980.93          213,941.95 CR
_ 006  ACATS SETT          43,680,818.20          .00          43,680,818.20 DB
_ 007  ACATS FUND          5,030.11          .00          5,030.11 DB
_ 008  ACATS NEXT          1,447,082.76          .00          1,447,082.76 DB
_ 009  MUTUAL FUN          199,842,205.96          .00          199,842,205.96 DB
===== FFPS
ENTER:PROCESS  PF6/18:PREV SCREEN  PF8/20:END  PF10/22:BKWD
                PF7/19:SET MENU    PF9/21:SIGNOFF  PF11/23:FRWD

```

NSSC Activity Summary NEW

The **new** NSSC Activity Summary screen displays activity details available for selected settlement categories and adjustments.

NSSC Participant Details

```

_ MENU _ ART _ PEND _ POS _ RMC I _ BULT _ _____ _ HELP
Q$N@                                     11/08/2002
00002199-70          NSSC PARTICIPANT ACCOUNT STATEMENT          15:47:03
=====
                                NSSC ACTIVITY SUMMARY          FINAL FIGURES: 15:52
SETTLEMENT DATE: 11 / 08 / 2002          SETT CAT: 3
PART: 2199          NSSC TEST PARTICIPANT          ENVELOPE STLMT SERVICES

CONTRA  PARTICIPANT NAME          DEBIT AMOUNT          CREDIT AMOUNT
3770 TEST BROKER 1          0.00          6,480.00
4225 TEST BROKER 2          0.00          2,000.00
4225 TEST BROKER 2          0.00          1,024.65
4225 TEST BROKER 2          0.00          2,000.00
4225 TEST BROKER 2          0.00          1,024.65
4461 TEST BROKER 3          16.75          0.00
4461 TEST BROKER 3          860.80          0.00
4700 TEST BROKER 4          0.00          21,342.58
4700 TEST BROKER 4          0.00          7,875.12
4700 TEST BROKER 4          0.00          21,342.58
      GRAND TOTAL:          163,038.98          376,980.93
=====FFPS
ENTER:PROCESS  PF6/18:PREV SCR  PF8/20:END  PF10/22:BKWD
                PF7/19:SET MENU    PF9/21:SIGNOFF  PF11/23:FRWD

```

NSCC Legal Entity Account Statement

The NSCC Legal Entity Account Statement allows an eligible user to inquire on settlement totals and participant account details.

```

_ MENU _ ART _ PEND _ POS _ RMCI _ BULT _ _____ _ HELP

Q$N@                THE DEPOSITORY TRUST COMPANY                11/08/02
00002199-70         NSCC PARTICIPANT ACCOUNT STATEMENT          15:38:58
SETTLEMENT DATE: 11 / 08 / 2002                               FINAL FIGURES: 15:52
PARTICIPANT NUMBER: 2199
NSCC TEST PARTICIPANT

                                FOR LEGAL ENTITY: 2199

    BANK: 12345678 TEST BANK
L (P)ART (L)EG ENTITY

                                DEBIT                                CREDIT
ACTIVITY BALANCE                625,489,680.44                497,518,600.15
FUNDS TRANSFER                    100.00                                .00
ADJUSTMENTS                        .00                                52,304.50
POST ACTIVITY                      10.00                                .00
X-END                            868,730.00                            .00
_ X-END ADJ                       533.00                                121.00

NET BALANCE                                128,788,027.79 DB
=====FFPS
ENTER:PROCESS      PF3/15:PREV DATE PF6/18:PREV SCR PF8/20:END
PF2/14:PART DETAILS          PF7/19:SET MENU PF9/21:SIGNOFF

```

NSCC Participant Details

Press **PF2** (Participant Details) to display participant totals for all participants under an NSCC legal entity.

```

_ MENU _ ART _ PEND _ POS _ RMCI _ BULT _ _____ _ HELP

Q$N@                12/17/2002
00002199-70         NSCC PARTICIPANT ACCOUNT STATEMENT          16:49:03
=====FFPS
                                NSCC PARTICIPANT ACTIVITY TOTALS          PAGE 1 OF 1
SETTLEMENT DATE: 12 / 17 / 2002                               FOR LEGAL ENTITY: 00002199

PARTICIPANT      DEBIT      CREDIT      BALANCE
_ 2199           50,066,661.96      151.00      50,066,510.96DB
_ 3560              .00              .00          .00

=====FFPS
ENTER:PROCESS  PF6/18:PREV SCREEN  PF8/20:END      PF10/22==> BKWD
                PF7/19:SET MENU    PF9/21:SIGNOFF  PF11/23==> FRWD

```

NSCC Cross-Endorsement Adjustments



The **new** FFS NSCC Cross-Endorsement Adjustments screen displays cross-endorsement adjustments details.

```
_ MENU _ ART _ PEND _ POS _ RMC I _ BULT _ _ _ _ _ HELP

Q$N@                                     11/08/2002
00002199-70          NSCC CROSS-ENDORSEMENT ADJUSTMENTS          15:49:50
=====
NSCC LEGAL ENTITY:      2199          PAGE  01 OF  01
NSCC TEST PARTICIPANT

              AMOUNT      TIME      MANUAL I.D.
              533.00DB    15.33.42    D0000000-00

              121.00CR    15.34.00    D0000000-00

===== FFPS
ENTER:PROCESS  PF6/18:PREV SCREEN  PF8/20:END      PF10/22:BKWD
                PF7/19:SET MENU    PF9/21:SIGNOFF PF11/23:FRWD
```

Funds Transfer

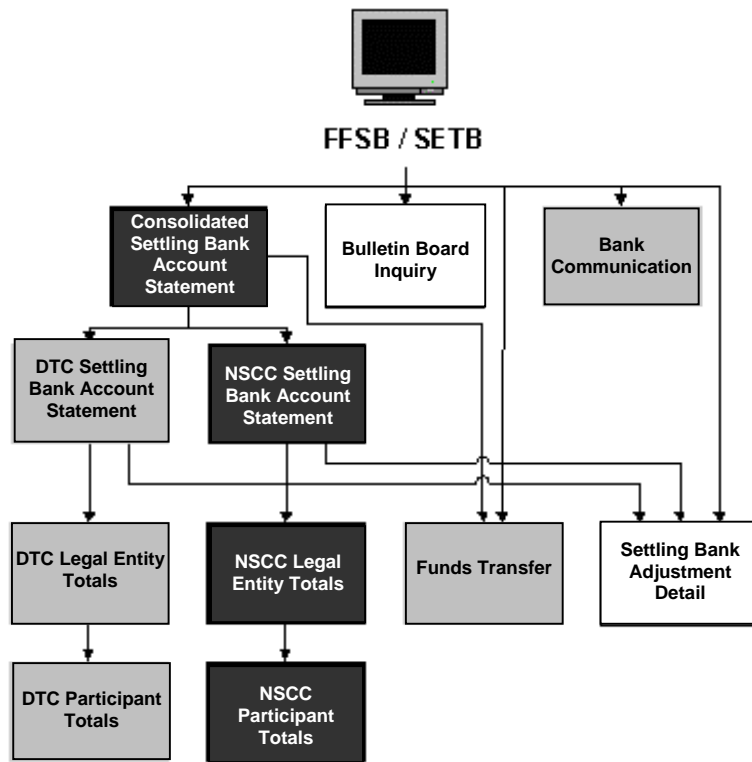
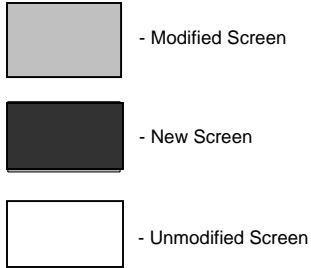
The Funds Transfer screen displays details of all incoming and outgoing wire payments.

```
_ MENU _ ART _ PEND _ POS _ RMC I _ BULT _ _ _ _ _ HELP

QABB                                     02/26/2003
00002199-01          FUNDS TRANSFER          18:06:43
=====
SETTLEMENT DATE: 02 / 24 / 2003          PAGE 01 OF 01
PARTICIPANT: 2199          COLL _
TEST BANK
=====THESE ARE HISTORICAL BALANCES=====
ORIGINATING ABA  TYPE      AMOUNT      TIME      MANUAL I.D.
012345678      SPP      500,000,000.00 CR  13:09:13
012345678      SPP      500,000,000.00 CR  13:10:41
012345678      SPP      500,000,000.00 CR  13:16:29

=====
ENTER:PROCESS  PF3/15:PREV DATE  PF6/18:PREV SCR  PF8/20:END      PF10/22:BKWD
                PF5/17:NEXT DATE  PF7/19:SET MENU  PF9/21:SIGNOFF  PF11/23:FRWD
```

Bank Screens



Consolidated Settling Bank Account Statement

NEW

The **new** Consolidated Settling Bank Account Statement screen displays both the DTC and NSCC balances as well as a combined balance.

```

Q$N@                      DTC / NSCC                      12/17/2002
12345678-03      CONSOLIDATED SETTLING BANK ACCOUNT STATEMENT      17:07:35
=====
SETTLEMENT DATE: 12 / 17 / 2002                      FINAL FIGURES 15:00
BANK: 12345678      TEST BANK

                DEBITS                      CREDITS
_ DTC TOTALS                      .00                      5,000,001.00
_ NSCC TOTALS                      1.00                      .00
_ SUB TOTAL                      1.00                      5,000,001.00

_ FUNDS TRANSFER                      10,338,121,929.68                      .00
_ ADJUSTMENTS                      .00                      100.00
  SUSPENSE                      30.00                      .00
  TOTAL                      10,338,121,960.68                      5,000,101.00

NET-NET BALANCE                      10,333,121,859.68      SEND WIRE
=====
01 ACKNOWLEDGE BALANCE                      9,518,017,182.50CR 08:26:17 0210000205
=====FFBS
PF3/15:PREV DATE PF6/18:PREV SCR PF8/20:END      PF10/22:BKWD
PF7/19:SET MENU PF9/21:SIGNOFF PF11/23:FRWD
    
```

Details of subtotal category by legal entity

```

_ _ FFSS _ _ MENU _ _ ART _ _ PEND _ _ POS _ _ RMCI _ _ BULT _ _ _____ _ HELP

Q$N@                      02/03/2003
D0002199-66      CONSOLIDATED SETTLING BANK ACCOUNT STATEMENT      16:53:44
=====
BANK DTC AND NSCC TOTALS BY LEGAL ENTITY
BANK: 12345678                      PAGE 1 OF 9
SETTLEMENT DATE: 02 / 03 / 2003

PART(DTC/NSCC)  DTC NET BALANCE      NSCC NET BALANCE      NET BALANCE
  174 174      23,942,217.40DB      599,513.95DB      24,541,731.35DB
_ 206 206      117,660,224.69DB      17,771.13DB      117,677,995.82DB
  212          .00          .22DB          .22DB
_ 230 230      46,764,861.45CR      35,545,005.84DB      11,219,855.61CR
_ 231 231      6,032,988.01DB      328.00DB      6,033,316.01DB
_ 243 243      31,837,089.41DB          .00      31,837,089.41DB
_ 245 245          213,513.21DB          .00      213,513.21DB
_ 248 248          932,180.00CR          .00      932,180.00CR
_ 253 253      11,624,718.68DB          .00      11,624,718.68DB
_ 271          .00          .00          .00
  296 296      984,365.72DB          .00      984,365.72DB
=====FFBS
ENTER:PROCESS      PF6/18:PREV SCR      PF8/20:END      PF10/22:BKWD      PF12/24:HELP
PF7/19:SET MENU      PF9/21:SIGNOFF      PF11/23:FRWD
    
```

Participant details for legal entity

QAAN		CONSOLIDATED SETTLING BANK ACCOUNT STATEMENT		11/08/2002	
12345678-03		BANK DTC AND NSCC TOTALS BY PARTICIPANT		10:49:32	
BANK: 12345678 TEST BANK				PAGE 1	
SETTLEMENT DATE: 11 / 08 / 2002					
PARTICIPANT	DTC NET BALANCE	NSCC NET BALANCE	NET BALANCE		
241	3,997,201,016.76 DB	.00	3,997,201,016.76 DB		
242	1,154,528,270.69 DB	1,311,742,114.97 CR	157,213,844.28 CR		
243	99,360,506.43 CR	70,144,972.83 DB	29,215,533.60 CR		
244	375,024,870.49 DB	387,640,884.15 CR	12,616,013.66 CR		
245	49,770,244.36 CR	119,975,333.16 DB	70,205,088.80 DB		
246		4,091,890.48 CR	4,091,890.48 DB		
247	1,198,050.22 DB	1,730,164.94 CR	532,114.72 CR		
248	1,106,908,321.41 CR	1,243,078,716.04 DB	136,170,394.63 DB		
249	2,920,188.68 CR	20,128,353.85 DB	17,208,165.17 DB		
259	148,197,859.47 DB	122,398,881.83 CR	25,798,977.64 DB		
260	4,575,703.17 DB	154,398,535.11 CR	149,822,831.94 CR		
261	523,543,581.39 CR	324,369,635.56 DB	199,173,945.83 CR		

=====FFBS
 ENTER:PROCESS PF6/18:PREV SCREEN PF8/20:END PF10/22:BKWD

DTC Settling Bank Account Statement

The DTC Settling Bank Account Statement screen allows a user to inquire on all aspects of the daily settlement process for a DTC settling bank account.

Q\$N@		DTC SETTLING BANK ACCOUNT STATEMENT		12/17/2002	
12345678-03				17:12:34	
=====					
SETTLEMENT DATE: 12 / 17 / 2002				FINAL FIGURES 15:00	
BANK: 12345678 TEST BANK					
		DEBITS		CREDITS	
_	ACTIVITY BALANCE	.00		5,000,000.00	
_	POST ACTIVITY	.00		1.00	
	TOTAL	.00		5,000,001.00	
NET-NET BALANCE		5,000,001.00		RECEIVE WIRE	

=====FFBS
 PF3/15:PREV DATE PF6/18:PREV SCR PF8/20:END PF10/22:BKWD
 PF7/19:SET MENU PF9/21:SIGNOFF PF11/23:FRWD

Details of activity balance by legal entity

```

QAAN
12345678-03      DTC SETTLING BANK ACCOUNT PARTICIPANT TOTALS      11/08/2002
                                                    17:39:30
=====
                ACTIVITY BALANCE DETAIL BY LEGAL ENTITY      PAGE 1 OF 6
BANK: 12345678      _ (D)B/(C)R      _ (A)SC/(D)ESC
SETTLEMENT DATE: 11 / 08 / 2002

PARTICIPANT      DEBIT      CREDIT      BALANCE
-      241      51,114.08      129,496.12      78,382.04 CR
-      242      123.00      .00      123.00 DB
-      243      2.00      .00      2.00 DB
-      244      .00      230.11      230.11 CR
-      245      .00      4,921,728.10      4,921,728.10 CR
-      246      .00      .00      .00
-      247      .00      .00      .00
-      248      .00      .00      .00
-      249      .00      .00      .00
-      259      .00      .00      .00
-      260      .00      .00      .00
=====FFBS
ENTER:PROCESS  PF6/18:PREV SCREEN  PF8/20:END      PF10/22:BKWD  PF12/24:HELP
                PF7/19:SET MENU      PF9/21:SIGNOFF  PF11/23:FRWD
    
```

Details of legal entity by participant

```

QAAN
12345678-03      DTC SETTLING BANK ACCOUNT PARTICIPANT TOTALS      11/08/2002
                                                    17:41:22
=====
                ACTIVITY BALANCE DETAIL BY PARTICIPANT      PAGE 1
BANK: 12345678      LEGAL ENTITY: 00000241
SETTLEMENT DATE: 11 / 08 / 2002

PARTICIPANT      DEBIT      CREDIT      BALANCE
      241      9.00      123,456.00      123,447.00 CR
      5301      .00      .00      .00

*****

CROSS ENDORSEMENT AMOUNT      45,064.96 DB

=====FFBS
ENTER:PROCESS  PF6/18:PREV SCREEN  PF8/20:END      PF10/22:BKWD
                PF7/19:SET MENU      PF9/21:SIGNOFF  PF11/23:FRWD
    
```

NSCC Settling Bank Account Statement

NEW

The **new** NSCC Settling Bank Account Statement screen allows a user to inquire on all aspects of the daily settlement process for an NSCC settling bank account, including details by legal entity and by participant.

```
Q$N@                                     12/17/2002
12345678-03      NSCC SETTLING BANK ACCOUNT STATEMENT      17:14:31
=====
SETTLEMENT DATE: 12 / 17 / 2002      FINAL FIGURES  15:00
BANK: 12345678  TEST BANK

      DEBITS      CREDITS
_  ACTIVITY BALANCE      .50      .00
_  POST ACTIVITY      .50      .00
      TOTAL      1.00      .00

NET-NET BALANCE      1.00  SEND WIRE

=====FFBS
PF3/15:PREV DATE PF6/18:PREV SCR PF8/20:END      PF10/22:BKWD
PF7/19:SET MENU PF9/21:SIGNOFF PF11/23:FRWD
```

Details of activity balance by legal entity

```
QAAN                                     11/08/2002
12345678-03      NSCC SETTLING BANK ACCOUNT PARTICIPANT TOTALS      17:39:30
=====
ACTIVITY BALANCE DETAIL BY LEGAL ENTITY      PAGE 1 OF 6
BANK: 12345678      _ (D)B/(C)R      _ (A)SC/(D)ESC
SETTLEMENT DATE: 11 / 08 / 2002

      PARTICIPANT      DEBIT      CREDIT      BALANCE
_      241      .50      .00      .50 DB
_      242      .50      .00      .50 DB

=====FFBS
ENTER:PROCESS PF6/18:PREV SCREEN PF8/20:END      PF10/22:BKWD PF12/24:HELP
PF7/19:SET MENU PF9/21:SIGNOFF PF11/23:FRWD
```

Details of legal entity by participant

```

QAAN
12345678-03          NSCC SETTLING BANK ACCOUNT PARTICIPANT TOTALS          11/08/2002
                                                                17:41:22
=====
                    ACTIVITY BALANCE  DETAIL BY PARTICIPANT                PAGE  1
BANK: 12345678      LEGAL ENTITY: 00000241
SETTLEMENT DATE: 11 / 08 / 2002

PARTICIPANT          DEBIT              CREDIT              BALANCE
    241                .75                  .00                  .75 DB
    5301                .00                  .25                  .25 CR

*****
CROSS ENDORSEMENT AMOUNT                                .00

=====FFBS
ENTER:PROCESS PF6/18:PREV SCREEN PF8/20:END      PF10/22:BKWD
              PF7/19:SET MENU   PF9/21:SIGNOFF PF11/23:FRWD
  
```

Funds Transfer

The Funds Transfer screen displays details of all incoming and outgoing wire payments.

Current business day

```

QABC
12345678-03          FUNDS TRANSFER          02/26/2003
                                                                17:56:23
=====
SETTLEMENT DATE: 02 / 26 / 2003          PAGE 01 OF 02
SETTLING BANK: 12345678
TEST BANK

ORIGINATING ABA          AMOUNT          TIME          MANUAL I.D.
    12345678          999,999,999.99 DB  16:29:02  D0000000-00
    12345678          999,999,999.99 DB  16:29:02  D0000000-00
    12345678          999,999,999.99 DB  16:29:02  D0000000-00
    12345678          999,999,999.99 DB  16:29:02  D0000000-00
    12345678          999,999,999.99 DB  16:29:02  D0000000-00
    12345678          999,999,999.99 DB  16:29:02  D0000000-00
    12345678          999,999,999.99 DB  16:29:02  D0000000-00
    12345678          999,999,999.99 DB  16:29:02  D0000000-00
    12345678          999,999,999.99 DB  16:29:02  D0000000-00
    12345678          999,999,999.99 DB  16:29:02  D0000000-00
    12345678          999,999,999.99 DB  16:29:02  D0000000-00
=====
ENTER:PROCESS PF3/15:PREV DATE PF6/18:PREV SCR PF8/20:END      PF10/22:BKWD
              PF7/19:SET MENU   PF9/21:SIGNOFF PF11/23:FRWD
  
```

Bank Communication

The Bank Communication function is used by settling banks to monitor, acknowledge, or refuse their balances.

```
TYPE AN "X" NEXT TO A SELECTION AND PRESS ENTER
Q$N@
12345678-03          BANK ACKNOWLEDGEMENT          12/17/2002
                                                    17:27:45
=====
BANK: 12345678     TEST BANK          FINAL FIGURES 15:00
DTC NET BALANCE:   $5,643,316,190.75 CR
NSCC NET BALANCE:   $10.00
FUNDS TRANSFER:    $9,518,017,182.50 DB
ADJUSTMENTS:       $100.00 CR
SUSPENSE:           $0.00

TOTAL BALANCE:     $3,874,700,901.75 DB

AGREE TO TOTAL BALANCE      ==>  _
REFUSE TO SETTLE DTC        ==>  _
REFUSE TO SETTLE NSCC      ==>  _

=====FFBC
ENTER:PROCESS          PF6/18:PREVIOUS
PF7/19:SET MENU        PF8/20:END          PF9/21:SIGNOFF
```

Refusal for DTC participant

```
PLEASE ENTER PARTICIPANT NUMBER
Q$N@
12345678-03          BANK ACKNOWLEDGEMENT          12/18/2002
                                                    17:16:10
=====
BANK: 12345678     TEST BANK          FINAL FIGURES 15:41
DTC NET BALANCE:   $8,769,170,522.43 CR

REFUSE TO SETTLE FOR DTC PART      ==>

=====FFBC
ENTER:PROCESS          PF6/18:PREVIOUS
PF7/19:SET MENU        PF8/20:END          PF9/21:SIGNOFF
```

Refusal for NSCC participant



```

PLEASE ENTER PARTICIPANT NUMBER
Q$N@
12345678-03          BANK ACKNOWLEDGEMENT
=====
BANK: 12345678      TEST BANK
                                FINAL FIGURES 00:00

                                NSCC NET BALANCE:          $10.00

REFUSE TO SETTLE FOR NSCC PART  ==>

=====FFBC
ENTER:PROCESS          PF6/18:PREVIOUS
PF7/19:SET MENU       PF8/20:END          PF9/21:SIGNOFF

```

Details of refusal for DTC obligations

```

PRESS PF1/13 TO CONFIRM REFUSAL FOR DTC OBLIGATIONS ONLY
Q$N@
12345678-03          BANK ACKNOWLEDGEMENT
=====
BANK: 12345678 TEST BANK
                                FINAL FIGURES 15:41

                                DTC NET BALANCE:          $8,769,170,522.43 CR

+-----+
|          PARTICIPANTS LISTING FOR LEGAL ENTITY : 00000241          |
|          241          242          243          5148          |
|          5701          5702          5703          5704          |
|          5705          5705          5706          |
+-----+

PF1/13 ==> CONFIRM DTC REFUSAL

===== +-----+ =====FFBC
PF1/13:CONFIRM          PF6/18:PREVIOUS          PF8/20:END
PF7/19:SET MENU       PF9/21:SIGNOFF

```

Details of refusal for NSCC obligations

```

PRESS PF1/13 TO CONFIRM REFUSAL FOR NSCC OBLIGATIONS ONLY
Q$N@
12345678-03          BANK ACKNOWLEDGEMENT          12/18/2002
                                                           17:18:08
=====
                                                           FINAL FIGURES 15:41
BANK: 12345678 TEST BANK
NSCC NET BALANCE:          $8,769,170,522.43 CR

+-----+
|          PARTICIPANTS LISTING FOR LEGAL ENTITY : 00000241          |
|          241          |
+-----+
PF1/13 ==> CONFIRM NSCC REFUSAL

===== +-----+ =====PFBC
PF1/13:CONFIRM          PF6/18:PREVIOUS          PF8/20:END
PF7/19:SET MENU          PF9/21:SIGNOFF
  
```

Settling Bank Adjustment Detail

The Settling Bank Adjustment Detail screen displays your adjusted transactions.

```

X$29          DTC PARTICIPANT TERMINAL SYSTEM          11/08/2002
12345678-03   SDF'S SETTLING BANK ADJUSTMENT DETAIL    11:41:33
SETTLING BANK: 12345678
TEST BANK

          TYPE          SIGNON-ID          TIME          STATUS          AMOUNT
          ENTERED

PF6/18 => PREV          PF8/20 => END          PF10/22 => BKWD
PF7/19 => MAIN          PF9/21 => SOFF          PF11/23 => FRWD          FFAI
  
```

Bulletin Board Inquiry

The Bulletin Board Inquiry screen displays the details of a message selected from the List of Bulletin Board Subjects screen, which displays a list of Settlement messages for the current day.

EAAF	THE DEPOSITORY TRUST COMPANY	11/08/2002
12345678-03	SAME DAY FUNDS SETTLEMENT (SDFS) SERVICES	11:42:54
	BULLETIN BOARD INQUIRY	PAGE 1 OF 1
SUBJECT SECOND SETTLEMENT		
BULLETIN TIME: 17:15:28		BULLETIN CREATOR: D0000000-00
TO: ALL PARTICIPANTS AND SETTLING BANKS		
SECOND SETTLEMENT ALLOCATIONS HAVE OCCURRED. SETTLING BANKS WITH ALLOCATIONS WILL RECEIVE THEIR WIRES SHORTLY.		
ENTER:PROCESS PF6/18:PREV SCREEN PF8/20:EXIT PF10/22:BKWD		

Reference

NSCC Settlement Code Description NEW

The **new** NSCC Settlement Code Description screen allows Settlement users to view all NSCC settlement categories and their descriptions.

```
_ FFSS _ MENU _ ART _ PEND _ POS _ RMCI _ BULT _ _____ _ HELP
QAAE                                03/11/2003
D0000390-14          NSCC SETTLEMENT CODE DESCRIPTION          11:41:25
=====
                                           PAGE 1 OF 3
SETTLEMENT          SETTLEMENT
CATEGORY  DESCRIPTION          CATEGORY  DESCRIPTION
001      DTC BROAD MONEY STLMNT          013      DSS RECLAMATIONS
002      CLEARANCE CASH ADJUSTMENT        016      CNS REORG MARK-DEBIT
003      ENVELOPE STLMT SERVICES          017      CNS REORG MARK-CREDIT
004      FUNDSERV BALANCE TRANSFER        018      MUTUAL FUND COMMISSIONS
005      ACATS INTERFACE REJECTS         020      RECAPS CASH ADJUSTMENTS
006      ACATS SETTLEMENT                 030      DTC CANADIAN DIVIDENDS
007      ACATS FUNDSERV STLMNT           031      CNS CANADIAN DIVIDENDS
008      ACATS NEXT DAY SETTLEMENT        032      DSS CANADIAN DIVIDENDS
009      MUTUAL FUNDS DEBITS              033      CMS CLEARING FUND
010      MUTUAL FUNDS CREDITS             035      OCC COLLATERAL PLEDGE
011      DIVIDEND SETTLEMENT SERV.        040      PREV MUTUAL FUND DIVIDEND
012      FUNDS ONLY SETTLEMENT            041      SAME DAY MUTUAL FUND DIVD
=====
ENTER:PROCESS          PF6/18:PREV SCREEN    PF8/20:EXIT          PF10/22:BKWD
                       PF7/19:FFS MENU          PF9/21:SIGNOFF      PF11/23:FRWD
===== FFCD
```



CCF/CCF-II/MDH Transmission Guides

05.23 Fed Funds Settlement / Settling Bank Balances (FFSBST): Function User's Guide



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Document History:

03/06/2003: New document



05.23 Fed Funds Settlement / Settling Bank Balances (FFSBST): Function User's Guide

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1.0 Overview

The FFSBST function will provide Settling Banks with a Legal Entity Settlement balance file. The file will be produced at approximately 4:00 P.M. each day after Final Figures, and will consist of the Bank's Legal Entity Participant accounts and their corresponding NSCC and DTC settlement balances. A net settlement balance will be provided for each participant along with the participants' net debits and credits. NSCC and DTC balances will be listed separately and will be distinguished by an indicator on each record.

1.1 Holiday Processing

All Closed:

Banks, Exchange, DTC and NSCC are all closed: (New Years Day, Martin Luther King Day, Presidents Day, Memorial Day, Independence Day (July 4th), Labor Day, Thanksgiving Day and Christmas Day.

Processing will not occur and the file will not be available during this time.

Banks Closed, Exchange, DTC and NSCC Open: (Columbus Day, Veterans Day)

Processing will not occur and the file will not be available during this time.

Banks and DTC Open, Exchange and NSCC Closed: (e.g. Good Friday)

Normal processing will occur and the file will be available during this time.



1.2 The CCF Header Record

The first record on the function file will be a header record when "HEADER=YES" is specified as a CCFDTFDB parameter. The Header Record contains information regarding the creation of the file.

Note: NDM Users executing NDMDTF01 and RJE 3770 Users executing RJESDTF2 will receive the following CCF Header record:

The CCF Header Record's format is as follows:

Position	Length	Format	Field Name	CCF Header Record Description
1	6	Character	Data Type Requested	Data type name with which this data was requested (FFSBST).
7	6	Character	Data Type Created	Data Type name with which this data was created (FFSBST).
13	8	Character	Creation Date	Date of data (MM/DD/YY).
21	8	Character	Spool Date	DTCC data load date (MM/DD/YY).
29	8	Character	Load Time	DTCC data load time (HH:MM:SS).
37	2	Binary	Record Size	Size of each data record.
39	4	Binary	Block Count	Number of data blocks input to CCFDTFDB.
43	4	Binary	Record Count	Number of data records.
47	???	Character	Filler	DTCC use only. Do not use.



1.3 The CCF-II Header and Trailer Records

The format of each CCF-II Header and Trailer record is as described below. Please note that the Header and Trailer records are identical except for the first and last field of each record.

Position	Length	Format	Field Name	CCF II Header and Trailer Record Description (DTCC Transmits to User)
1	3	Character	Record ID	"HDR" or "TLR".
4	4	Character	SIGNON ID	Signon ID.
8	6	Character	Data Type Requested	FFSBST
14	6	Character	Data Type Created	FFSBST
20	8	Character	Creation Date	Data Creation Dat. (MM/DD/YY).
28	8	Character	Spool Date	Data Load Date (MM/DD/YY).
36	8	Character	Load Time	Data Load Tim (HH:MM:SS).
44	4	Numeric	Record Length	Record Length of data requested.
48	8	Numeric	Record Count	Number of data records in file.
56	4	Numeric	80-Byte Record Count	Number of 80-bytes records per data type requested.
60	15	Character	Filler	DTCC use only. Do not use.
75	6	Numeric	Sequence Number	Numbering Sequence. Used as a data integrity check. HDR ==> 000000 TLR ==> 999999



2.0 The FFSBST Detail Record

Position	Length	Format	Field Name	FFSBST Detail Record Description
1	1	Character	CCF-TYPE-IND	'*'
2	1	Character	CCF-TEST-PROD-IND	'P' Production / 'T' Test
3	6	Character	CCF-REC-TYPE	Function name 'FFSBST'.
9	2	Character	CCF-REC-SUFFIX	'01'
11	2	Numeric	CCF-REC-VERSION	Version 01
13	6	Character	CCF-USER-REF	User Reference number.
19	8	Numeric	CCF-ORG-ID	Bank Organization ID.
27	8	Numeric	CCF-BANK-ACCOUNT	Settling Bank number.
35	8	Numeric	CCF-LEGAL-ENTITY	Legal Entity Account number.
43	17	Numeric	CCF-GROSS-DEBIT	Gross Debit Balance.
60	17	Numeric	CCF-GROSS-CREDIT	Gross Credit Balance.
77	17	Numeric	CCF-NET-DEBIT	Netted Balance if Debit
94	17	Numeric	CCF-NET-CREDIT	Netted Balance if Credit
111	1	Character	CCF-PART-IND	'D' DTC Balance / 'N' NSCC Balance
112	47	Character	Filler	Spaces



3.0 CCF and CCF-II Tape Backup Procedure

If a user is not able to retrieve data via CCF/CCF-II because of modem or telephone line equipment failure at their site, and the data is critical, the user should call DTCC Customer Support Center to specify the data type desired, and make arrangements to have a magnetic tape picked up via messenger.

When the magnetic tape is created by DTCC, it will have the following format:

For CCF Users

- 1 - Non-labeled
- 2 - 1600/6250 bpi
- 3 - RECFM = VB
- 4 - LRECL = 1504
- 5 - BLKSIZE = 1508

The tape will contain the data in exactly the same format as it would have been received at the user's computer site.

CCF users must use CCFDTFDB to deblock the tape.

For CCF-II Users

- 1 - Non-Labeled
- 2 - 1600/6250 bpi
- 3 - RECFM = FB
- 4 - LRECL = Refer to the specific User Guide
- 5 - BLKSIZE = Efficient block size

The tape will contain the data in exactly the same format as it would have been received at the user's computer site.

If the user is unable to pickup a magnetic tape at DTCC (as in the case of a regional participants), their alternative at the present time is to wait until their equipment problems are resolved or fall back to an alternative method of



communication such as PTS. If they are resolved within the same day, and the function is available, they can receive the function normally.

If the problems are not quickly resolved, DTCC using a backup procedure for delivering non-current data, can make the user's data available to them anytime within the next five business days. This data will be spooled out to the database using a special data type name ("SPECx", where "x" is a one character numeric) and must be requested by the user using this data type name.