

The Depository Trust Company

IMPORTANT

B#: 4630R

DATE: April 28, 2003

TO: Participants and Other Users

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 National Securities Clearing Corporation (NSCC) will introduce a consolidated settlement system. The new consolidated settlement system will provide DTC and NSCC participants with consolidated reporting and a single point of access for all settlement information. The new consolidated settlement system will provide DTC and NSCC participants and their settling banks with a single set of enhanced Participant Terminal System (PTS) functions. Each participant will be able to view its DTC and NSCC settlement activity and will be provided a consolidated end-of-day netted DTC/NSCC settlement obligation. To provide an opportunity for participants to become familiar with the new combined screens, the consolidated screens will be implemented in parallel with the current DTC and NSCC settlement systems.

Although DTC and NSCC will calculate and display a single consolidated settlement obligation for each participant, the two organizations (DTC and NSCC) will remain separate legal entities and each participant will continue to have a separate settlement obligation to/from DTC and NSCC. The identity of settlement obligations by organization and product code will be maintained and shown separately. NSCC's and DTC's debits and credits 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.

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 or 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 its 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. for DTC) on separate PTS functions, (i.e., "FFS" for DTC activity and "NSCC" for NSCC activity). At a predetermined time, DTC and NSCC cease processing valued transactions, and each calculates a separate final settlement obligation for each participant.

Following the determination of final participant settlement obligations for each organization, a participant's credit balance at one clearing corporation will be netted against its debit balance at the other (a process referred to as "cross-endorsement"). Settling banks subsequently "acknowledge" the DTC and/or NSCC settlement obligation(s) on behalf of their participant customers, and then transmit or receive funds separately to or from DTC's account (and NSCC's sub account) at the FRBNY.

(The impact of the consolidated settlement system on DTC and NSCC settling banks is addressed in Important Notice #4631.)

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 Service (PBS). The SET functions (SETP and SETB) 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 net NSCC settlement balances will be separately summarized, and the final NSCC and DTC balances will be netted and/or aggregated to one ultimate DTC/NSCC balance for each participant.

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

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

Transaction Processing

Both DTC and NSCC process a number of different transactions types submitted via various input mechanisms. The consolidation of the DTC and NSCC settlement systems will have no effect on existing transaction input processes.

Cross Endorsement

Although participants can view a consolidated DTC/NSCC settlement obligation throughout the day, participants will continue to have separate obligations to/from both organizations. As in the current system, at approximately 3:40 p.m., a participant's credit balance due from one organization will be used to offset its debit balances due to the other organization.

Mutual Fund / Insurance Participants

Mutual Fund and Insurance participants that are NSCC-only participants, generally do not have access to DTC's PTS system. As such, settlement activity is generally distributed to Mutual Fund and Insurance participants via an automated file or via NSCC's PC Web Direct facility. These processes will remain unchanged. Mutual Fund participants that currently receive the NSCC Money Settlement Account Fund/SERV file (AutoRoute 02132518) will continue to do so. Likewise, Insurance participants that currently receive the Annuities Settlement file (AutoRoute # 02300709) will also continue to do so. Participant settlement data will also continue to be provided via the PC Web Direct facility.

Exempt Participants

Exempt participants are NSCC settling participants that are not required to utilize a designated settlement bank. Instead, exempt participants are responsible for coordinating the settlement of their NSCC settlement obligation through any bank they choose. With the implementation of the consolidated settlement system, exempt participant wire instructions will be changed. Since the banks used by exempt participants are not NSCC settling banks, it is the exempt participant's responsibility to coordinate the change in the wire instructions. The new wire instructions and the date the new instructions will be implemented will be announced in a future Important Notice.

Settlement Cutoffs

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

As part of the consolidation of the DTC and NSCC settlement systems, the following settlement- related reporting changes will be implemented:

Report Name	Auto route Number	Format	Status	Comments
NSCC Preliminary Settlement Statement	02130061	Print Image	Eliminated	Users should use on-line PTS SET inquiry screens or newly created NSCC Broker file.
NSCC Final Settlement Statement	02130058	Print Image	Eliminated	Users must convert to the DTC/NSCC Participant Settlement Super Statement.
FFS Participant Super Statement	05130660	Print Image	Eliminated	Users must convert to the DTC/NSCC Participant Settlement Super Statement.
DTC/NSCC Participant Settlement Super Statement	02131245	Print Image	New	Displays all DTC and NSCC participant activity for a given day.
Money Settlement File for Mutual Fund Activity (non-Y2K)	02130518	Machine Readable File	Eliminated	Users should convert to the Y2K compliant version of this file (auto route 02132518).
NSCC Debit/Credit File (non-Y2K)	02130065	Machine Readable File	Eliminated	Users should convert to the Y2K compliant version of this file (auto route 02132065).
NSCC Broker File	N/A (Available via MDH only)	Machine Readable File	New	Displays NSCC activity broken-out by individual NSCC activity code. File name MDH NSCC Sett Statement (MDHSCTN).

The new DTC/NSCC Participant Super Statement will contain a DTC statement, an NSCC statement and a consolidated section. DTC-only participants will receive only the DTC statement, NSCC-only participants will receive only the NSCC statement, and dual Participants will receive a complete report. Participants that currently receive either the NSCC Final Settlement Statement or the FFS Participant Super Statement will automatically receive the DTC/NSCC Participant Settlement Super Statement. The delivery method of all reports will remain unchanged.

During the parallel reporting period commencing on June 2, the current DTC and NSCC settlement reports will continue to be available. In addition, the new consolidated reports will also be available. At the end of the parallel period (the exact date of which will be announced in a future Notice) those reports and files marked for elimination will no longer be produced.

Although DTC and NSCC will be producing reports in both the old and new formats, the old report formats will remain 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.

All DTC and NSCC output reports and files not specifically addressed in this notice will remain unchanged.

Participant Failure To Settle

As mentioned earlier, DTC and NSCC will remain separate legal entities and each participant will continue to have a separate settlement obligation to/from DTC and NSCC. If a participant is unable to satisfy its settlement obligation to either or both organizations, each organization (DTC and NSCC) will invoke its respective Failure-To-Settle/Close-Out procedures for the obligation due from the failing participant. The existing Failure-To-Settle/Close-Out procedures will remain unchanged.

Consolidated Settlement Implementation (Parallel Phase)

To allow participants to become comfortable with the consolidated settlement screen display on the SETP function, DTC and NSCC will introduce the new screens in parallel with the existing settlement functions. During the parallel phase, participants will be able to access the PTS FFSP function to view DTC settlement data, the PTS NSCC function to view NSCC settlement data, and the PTS SETP function to view consolidated settlement activity.

The PTS functions and settlement output are expected to be available in parallel for several months. After that time, the FFSP function and the NSCC Money Settlement function will be disabled and all participant settlement activity will be available via the PTS SETP functions only. At the end of the parallel period, the current NSCC end of day settlement reports will be eliminated and replaced with the Consolidated DTC/NSCC Participant Super Statement.

As mentioned in this Notice, DTC and NSCC will distribute additional information regarding this topic as we move closer to the implementation of the consolidated DTC/NSCC settlement system.

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

Consolidated Settlement System

Modifications to Participant Terminal System (PTS) Screens



DTCC

*The Depository Trust &
Clearing Corporation*

Contents

- INTRODUCTION..... 3**
- PARTICIPANT SCREENS..... 4**
 - CONSOLIDATED PARTICIPANT ACCOUNT STATEMENT..... 5
 - DTC PARTICIPANT ACCOUNT STATEMENT 5
 - DTC ACTIVITY BALANCES 6
 - DTC LEGAL ENTITY ACCOUNT STATEMENT 6
 - DTC COLLATERAL GROUP ACCOUNT STATEMENT 7
 - DTC CROSS-ENDORSEMENT ADJUSTMENTS 8
 - DTC SPP REVERSAL/RETURN REQUEST 8
 - DTC P/I WITHDRAWAL REQUEST 9
 - DTC P/I REQUEST INQUIRY 9
 - BULLETIN BOARD INQUIRY 10
 - NSCC PARTICIPANT ACCOUNT STATEMENT 10
 - NSCC ACTIVITY BALANCES 11
 - NSCC ACTIVITY SUMMARY 11
 - NSCC LEGAL ENTITY ACCOUNT STATEMENT..... 12
 - NSCC CROSS-ENDORSEMENT ADJUSTMENTS 13
 - FUNDS TRANSFER 13
- BANK SCREENS..... 14**
 - CONSOLIDATED SETTLING BANK ACCOUNT STATEMENT 15
 - DTC SETTLING BANK ACCOUNT STATEMENT 16
 - NSCC SETTLING BANK ACCOUNT STATEMENT 18
 - FUNDS TRANSFER 19
 - BANK COMMUNICATION..... 20
 - SETTLING BANK ADJUSTMENT DETAIL 22
 - BULLETIN BOARD INQUIRY 23
- REFERENCE 24**
 - NSCC SETTLEMENT CODE DESCRIPTION..... 24

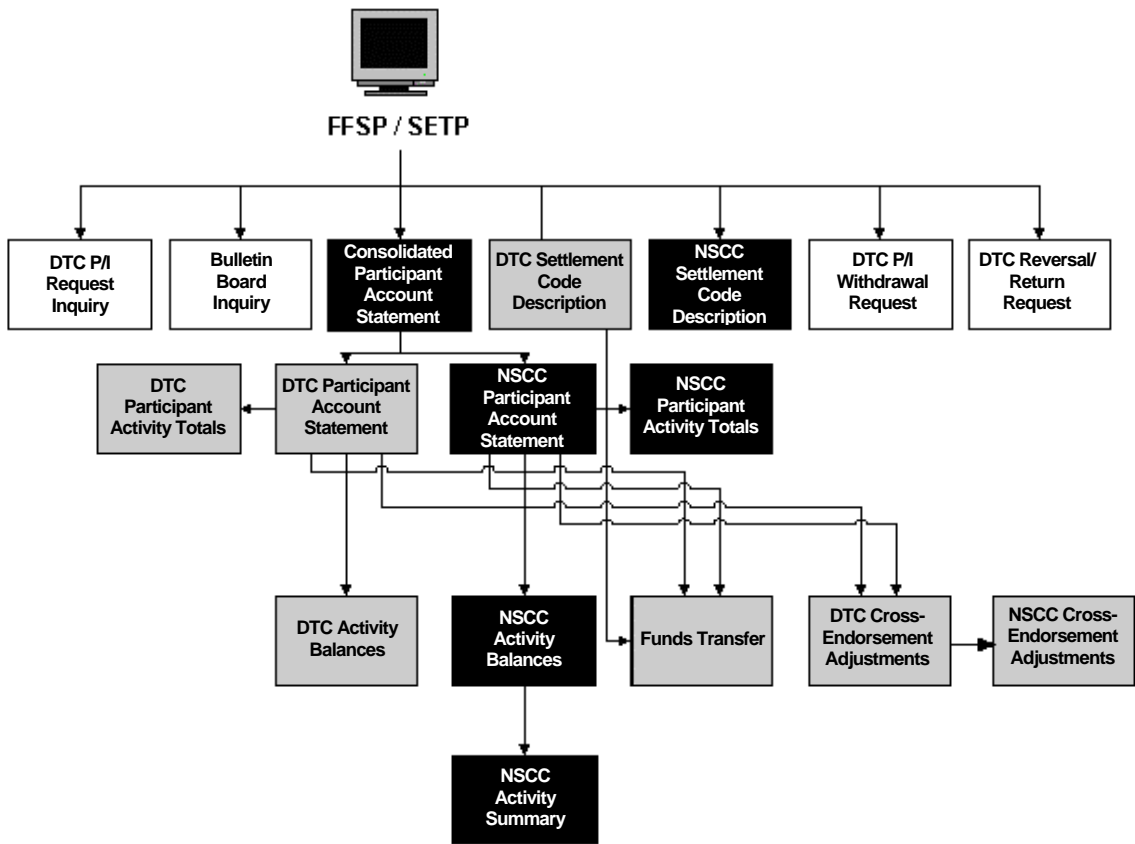
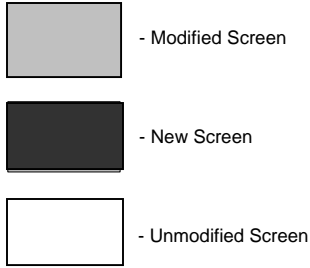
Introduction

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   000000000 12345     15:02:20     1.00   D0000000-00
-   R   000000000 12345     12:45:49    100.00  D0000000-00
-   R   000000000 234567    16:41:13   1,000.00 D0000000-00
-   R   000000000 234567    14:43:31     1.00   00000000-00
-   R   000000000 234567    14:42:52     2.00   00000000-00
-   R   000000000 234567    10:47:45    100.00  00000000-00
-   R   000000000 25        17:15:57     1.00   D0000000-00
-   R   000000000 25        12:45:49    200.00  D0000000-00
-   R   000000000 54        12:45:49    500.00  D0000000-00
-   S   000000000 930401    09:31:59    112.33  D0000000-00
-   R   000000000 930401    10:47:44    10.00   00000000-00
-   R   000000000 930401    10:14:14    101.99  00000000-00
-   R   000000000 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        FINAL FIGURES: 15:52
PARTICIPANT NUMBER: 2199
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
=====
                                           PAGE 01 OF 01

NSCC LEGAL ENTITY:      2199
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.

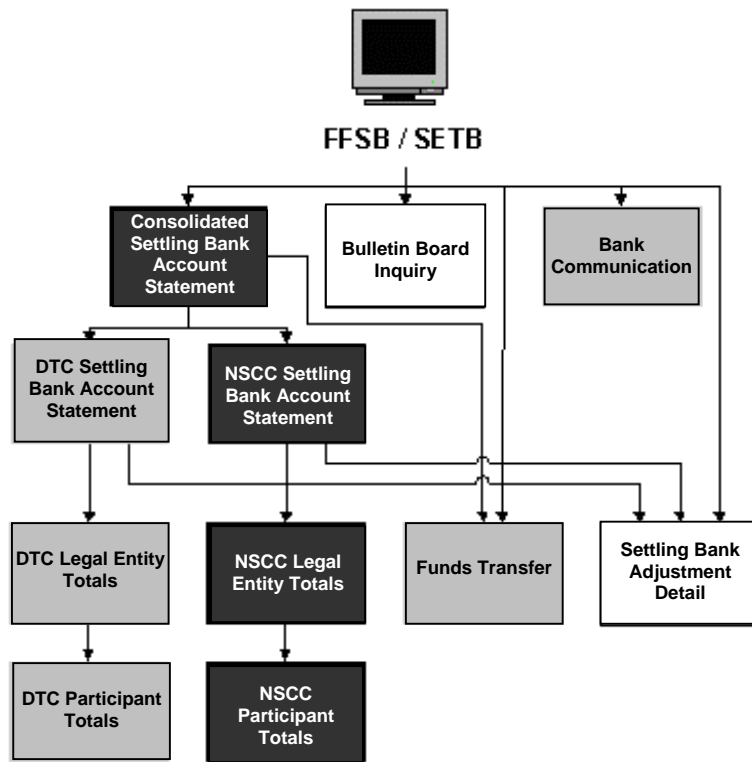
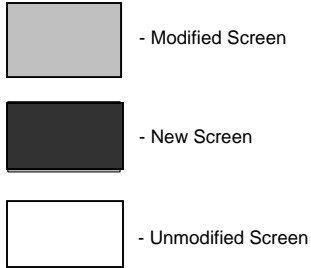
```
_ MENU _ ART _ PEND _ POS _ RMC I _ BULT _ _____ _ HELP

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



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                                     11/08/2002
12345678-03      NSCC SETTLING BANK ACCOUNT PARTICIPANT TOTALS      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                                     02/26/2003
12345678-03      FUNDS TRANSFER                                     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          12/17/2002
                                                         17:29:55
=====
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          12/18/2002
                                                         17:18:08
=====
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
          TYPE      SIGNON-ID      ENTERED      STATUS      AMOUNT

          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 SETTLMNT 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
```