

VERSION DESCRIPTION DOCUMENT FOR THE NASA EQUIPMENT MANAGEMENT SYSTEM (NEMS)

Release 3.9

NASA-NEMS-VDD-13

PrISMS Contract

March 25, 1997



National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, AL 35812

**VERSION DESCRIPTION DOCUMENT FOR THE
NASA EQUIPMENT MANAGEMENT SYSTEM (NEMS)
RELEASE 3.9**

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

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RELEASE 3.9**

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1. INTRODUCTION

This Version Description Document (VDD) describes the changes and installation procedures for this release of the NASA Equipment Management System (NEMS). This section identifies the release, describes its purpose, defines its scope, and identifies its contact points.

1.1 IDENTIFICATION OF THE RELEASE

This software release is identified as NEMS, Release 3.9 and has an effective release date of March 25, 1997.

1.2 PURPOSE OF THE RELEASE

This release implements modifications for the following Change Control Requests (CCRs):

<u>CCR</u>	<u>Title</u>
30	Update Inventory Date Field for Overages
90	Transaction I-34 - Reflected on NEMS Report 020
92	Force User to Enter Ending Account for '141' Report
134	Error in Processing NEMS Inventory Transaction I29
149	Inventory by Exception
150	Inventory Close Modification
152	Manager does not have access to all of the custodian records by sub-installation

This release implements modifications necessitated by the following Discrepancy Reports (DRs):

<u>CCR</u>	<u>Title</u>
132	Overage NEMS Report Displaying Only 5 Positions of Building
133	C52 Transaction in PCM Allows to Process to a Non-Existent Account Number
140	NEMS RPT410P1 Program Problem Caused by the NPDMS X15 Transaction
141	Multiple Returns Required on an Approval in PCM
142	A Blank Page is Produced in the Screen Sequences
144	System does not clear fields when a pending transaction is cleared from the Pending file
145	Report 240 Custodian Transaction in Pending Status Reporting Records Not in Requester Confines

146	Report 246 Transactions Awaiting Action (Equipment Managers) - Abnormally Terminates if No Records Are Found
147	Program Allow Entry of a Custodian Account Number entered into the System that is not on the Custodian Table
148	Transaction 74 (Delete For Retag) the History Record MU field is being Populated with Trans 14
153	Custodian Not Printing on RPT762P2 and the ECN Line on the Report is Printing Twice
155	Custodian can not delete a transaction 26 from pending file after Rel. 3.8

1.3 SCOPE

This VDD provides the functional and technical user of NEMS with information regarding the contents, status, and structure of Release 3.9, including the following:

- Changes implemented since Release 3.8.
- Validation procedures to ensure the reliability of release changes.
- References to other documentation affected by this release.
- Detailed software installation instructions.

No waivers are associated with this release.

1.4 CONTACT POINTS

Sustaining Engineering for NEMS is provided through the Consolidation Center (CC) located at Marshall Space Flight Center (MSFC). Questions regarding the function and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (Use following Key Words: SESAAS & NEMS)

Telephone: (205) 544-6673
 Email: jim.crowell@msfc.nasa.gov
 FAX: (205) 544-1836

2. FUNCTIONAL INFORMATION

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

2.1 FUNCTIONAL CHANGES

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Instructions, describes all Software PREDICT and SYSERR changes related to this release.

2.2 FUNCTIONAL INTERFACES

This release has no functional impact on interfaces with any NASA application.

2.3 CRITICAL ISSUES

This section is not applicable for this release.

2.4 AFFECTED DOCUMENTS

The following documents are affected by this release:

- Inventory Operations Guide
- Inventory Users Guide
- PCM Users Operations Guide
- PCM Detail Design Specifications
- NEMS Users Guide
- NEMS Operations Guide

These documents in their entirety will be available on the SESAAS webpage by the end of the March 1997. They can be printed, read, and downloaded using Adobe Acrobat (see the web page for instructions).

2.5 APPLICATION SYSTEM ADMINISTRATION

There are no application system administration changes associated with this release.

3. TECHNICAL INFORMATION

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

3.1 TECHNICAL SYSTEM INTERFACES

There are no technical systems interface issues with this release.

3.2 DATA DICTIONARY CHANGES

There are no data dictionary changes in this release.

3.3 SOFTWARE OBJECT CHANGES

Modules affected by this release are included in Appendix D, Section 2.2.

3.4 DATABASE ADMINISTRATION

This section describes the database administration activities for installation of this release.

3.4.1 Release Dataset Names

Refer to Appendix D, Introduction section, for the release dataset names.

3.4.2 Inventory of Objects

Refer to Appendix D, Paragraph 2.1, for an inventory of Natural object types.

3.4.3 Storage Considerations

The changes represented by this release should not affect storage requirements.

3.4.4 Installation Procedures

Refer to Appendix D, Installation Instructions for NEMS Software Release 3.9 for detailed software installation procedures.

3.5 OPERATIONAL PREPARATION

Refer to the procedure described in Appendix D for assistance in preparing for proper installation and operational use of this release.

4. KNOWN AND OPEN PROBLEMS

The are no known or open problems related to this release.

Appendix A - ABBREVIATIONS AND ACRONYMS

CC	Consolidation Center
CCR	Change Control Request
CSC	Computer Sciences Corporation
DBA	Database Administrator
DR	Discrepancy Report
FAX	Electronic Facsimile Transmission
IRM	Information Resources Management
JCL	Job Control Language
MSFC	Marshall Space Flight Center
NACC	NASA Automated Data Processing (ADP) Consolidation Center
NASA	National Aeronautics and Space Administration
NEMS	NASA Equipment Management System
NPDMS	NASA Property Disposal Management System
SESAAS	Sustaining Engineering Support for Agency wide Administrative Systems
VDD	Version Description Document

Appendix B - GLOSSARY

Database Administration

Responsibility for maintaining the physical database environment.

Implementation

The process by which a NASA site installs a NASA software release and places it into operational use.

Operational Preparation

Preparation by a NASA site for installation and use of a NASA application release.

System Administration

Responsibility for administrative functions such as application security and table data maintenance associated with a NASA application.

Appendix C - FUNCTIONAL CHANGE VALIDATION PROCEDURES

Index of validation procedures for changes in this release.

Section	CCR	Title
1.0	30	Update Inventory Date Field for Overages
2.0	90	Transaction I-34 - Reflected on NEMS Report 020
3.0	92	Force User to Enter Ending Account for '141' Report
4.0	132	Overage NEMS Report Displaying Only 5 Positions of Building
5.0	133	C52 Transaction in PCM Allows to Process to a Non-Existent Account Number
6.0	134	Error in Processing NEMS Inventory Transaction I29
7.0	140	NEMS RPT410P1 Program Problem Caused by the NPDMS X15 Transaction
8.0	141	Multiple Returns Required on an Approval in PCM
9.0	142	A Blank Page is Produced in the Screen Sequences
10.0	144	System does not clear fields when a pending transaction is cleared from the Pending file
11.0	145	Report 240 Custodian Transaction in Pending Status Reporting Records Not in Requester Confines
12.0	146	Report 246 Transactions Awaiting Action (Equipment Managers) - Abnormally Terminates if No Records are found
13.0	147	Program Allow Entry of a Custodian Account Number entered into the System that is not on the Custodian Table
14.0	148	Transaction 74 (Delete For Retag) the History Record MU field is being Populated with Trans 14
15.0	149	Inventory by Exception

16.0	150	Inventory Close Modification
17.0	152	Manager does not have access to all of the custodian records by sub-installation
18.0	153	Custodian Not Printing on RPT762P2 and the ECN Line on the Report is Printing Twice
19.0	155	Custodian can not delete a transaction 26 from pending file after Rel. 3.8

Specific test scripts used in Alpha and Beta Testing for this release are available upon request.

Details for the validation procedures follow:

1.0 CCR 30 (Inventory Date Field for Overages)

Currently, Inventories are conducted by Custodial Account. In locations where there are more than one custodial account, equipment other than that of the current account is scanned resulting in numerous overages. A large manual effort is required to disposition each overage item. In many cases those same items are scanned again and again during other accounts.

Description of Change

If the scanned account is for another custodian/location within the same sub-installation an overage is not created.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Verify that the overages listed on Report 761 are true overages and not overages because of belonging to another account.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
INVBBIP1	Bar Code Data Against Equipment File	Program	30
INVBBIP4	Location Bar Code Data Equipment File	Program	30
INVBBIS1	Bar Code Data Against Equipment File	Subprogram	30
INVBBIS4	Bar Code Data Against Equipment File	Subprogram	30
TRNUPDPA	Determine New Values for Date-Inventoried	Subprogram	30
INVSELP1	Inventory Select Menu	Program	30

2.0 CCR 90 (Transaction I-34 - Reflected on NEMS Report 020)

I-34 transactions (No Change Transactions), reflected on the Custodian Monthly Report, NEMS RPT020P1, are causing confusion for the Custodians. When I-34 items appear on the 020 reports, custodians incorrectly interpret this to mean that the item has been transferred to their account.

Description of Change

NEMS report 020 has been adjusted so that I-34 transactions are not reflected on the report.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Run the NEMS 020 report and validate that I-34 transactions do not show up.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
RPT020P1	Custodian Monthly Transaction Report	Program	90

3.0 CCR 92 (Force User to Enter Ending Account for '141' Report)

Resources are wasted when users order a report for a certain account but only enter the number in the "Beginning Custodian Account Number" Field. The "Ending Custodian Account Number" field is defaulted to '99999'.

Description of Change

The "Ending Custodian Account Number" will default to the "Beginning Custodian Account Number" and the "Ending Custodian Number" will default to the "Beginning Custodian Number".

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Schedule the 141 report accepting the default values. The report should run with the values of 'A' for the Beginning Custodian Account Number, Ending Custodian Account Number, Beginning Custodian Number, and Ending Custodian Number.
- Schedule the 141 report entering a different value for each of the following fields: Beginning Custodian Account Number, Ending Custodian Account Number, Beginning Custodian Number, and Ending Custodian Number. The report should run with these values as the selection criteria.
- Schedule the 141 report entering a value for the following fields: Beginning Custodian Account Number and Beginning Custodian Number. The report should run using the value for the Beginning Custodian Account Number as the Ending Custodian Account Number and the Beginning Custodian Number as the Ending Custodian Number.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
PRM141P1	Custodian Account Property Report Selection Menu	Program	92

4.0 CCR 132 (Overage NEMS Report Displaying Only 5 Positions of Building)

NEMS Reports RPT761P1 and RPT761P2 are only displaying 5 positions of the Building.

Description of Change

Modified reports RPT761P1 and RPT761P2 to display 10 positions of the Building.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Schedule and run the 761 report. Validate that the building field has enough space to print 10 characters for the Building.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
RPT761P1	Custodian Account Overage Items Report	Program	132
RPT761P2	Grid Location Overage Items Report	Program	132

5.0 CCR 133 (C52 Transaction in PCM Allows to Process to a Non-Existent Account Number) (See CCR 147)

It was discovered that a C52 transaction would process against a Custodian Account Number that wasn't on the 078 Custodian Table, but it will not allow the transaction to be approved stating that the transaction must be approved by gaining custodian.

Description of Change

Modified the process to validate that the Custodian Account Number is currently on the 078 Custodian Account Table. If it does not exist then a warning that cannot be overridden is displayed saying that the Custodian Account Number is not on the table.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- While processing a C52 transaction enter an invalid Custodian Account Number. Validate that the error message: ERROR 490 - CUSTODIAN ACCOUNT NUMBER NOT ON TABLE 078 is displayed.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
TRNC52P1	Change Transaction 52 (Excess Equipment Turn-in By Custodian)	Program	133

6.0 CCR 134 (Error in Processing NEMS Inventory Transaction I29)

When processing an I29 transaction to correct an underage in Custodian Account 'A' that has the same ECN as an overage in Custodian Account 'B', the underage on the Inventory File and the appropriate counts in the cost on the Inventory Status File record are corrected. Also the overage on the Bar Code is corrected but the appropriate counts and cost on the Inventory Status File record for Custodian Account 'B' are not corrected.

Description of Change

Code was changed so that a NEMS Inventory I29 transaction will update the correct Inventory status File record for an overage when correcting an underage in Custodian Account 'A' and an overage in Custodian Account 'B' for the same ECN.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Validate that the counts and costs for overages are corrected in the status file.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
TRNI29P1	Change Transaction I29 (Equipment Location Change)	Program	134

7.0 CCR 140 (NEMS RPT410P1 Program Problem Caused by the NPDMS X15 Transaction)

When an X15 Add Transaction processes in NEMS Equipment and a Delete Transaction is processed afterwards, but in the same month, the X15 is not picked up in the contents of the 410 report (1324 Controlled Equipment). An X15 Add is counted only if the ECN is still active at the time the report processes. This does not affect the total number of assets and dollar values because they are pulled from the current database. It does, however, cause an out-of-balance problem when calculating the Semi-Annual Headquarters 1324. The 1324 requires using item and dollar value counts from the adds and deletes of the 410 report instead of the current monthly database totals.

Description of Change

Corrected RPT410P1 to include all X15s

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Schedule and run report 410. Verify that all X15s are included in the report.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
RPT410P1	1324 - Controlled Equipment Report	Program	140

8.0 CCR 141 (Multiple returns Required on an Approval in PCM)

When approving signatures in the PCM the user is required to press return multiple times.

Description of Change

Modified code so that the user will only have to enter once.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- When approving transactions as a manager select a transaction by using the arrow keys to move the cursor up to a line with an ECN to approve. Enter 'U' to update the record. The next window that appears requests the user to enter his Signature/Password. Validate that you only have to enter your Signature/Password one time on this screen.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
TRNUPDP1	NEMS Update Transaction from the Pending File Records	Program	141

9.0 CCR 142 (A Blank Page is Produced in the Screen Sequences)

A blank screen is produced under Electronic Signatures/Password option 2 when there are not any Pending Transactions with Approval Needed equal 'C' for the Custodian Account.

Description of Change

Modified code so that if the Custodian Account Number does not have any Pending Transactions with Approval Needed equal 'C' then the message '*** CUSTODIAN ACCT HAS PENDING TRANSACTIONS REQUIRING SIGNATURE' does not appear on the MAIN SELECTION SCREEN. Also, on the ELECTRONIC SIGNATURES/PASSWORD screen if option 2 is selected and the Custodian Account Number does not have any Pending Transactions with Approval Needed equal 'C' then the error message 'THERE ARE NO TRANSACTIONS REQUIRING GAINING CUSTODIAN'S SIGNATURE' is displayed instead of taking the user to a blank screen.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Validate that when the Custodian Account does not have any Pending Transaction records equal 'C' that the message '*** CUSTODIAN ACCT HAS PENDING TRANSACTIONS REQUIRING SIGNATURE' is not displayed on the MAIN SELECTION SCREEN.
- Validate that when the Custodian Account does not have any Pending Transaction records equal 'C' that the message 'THERE ARE NO TRANSACTIONS REQUIRING GAINING CUSTODIAN'S SIGNATURE' is displayed when option 2 is selected off the ELECTRONIC SIGNATURES/PASSWORD screen.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
SGN003P1	Pending File for Gaining Custodian	Program	142
MNUC01P1	Main Menu Program	Program	142

10.0 CCR 144 (System does not clear fields when a pending transaction is cleared from the Pending File)

When a C26 Transaction is rejected there is a reason text attached. If the transaction is modified by the sender or a manager the reason reject text should be cleared on the modified transaction but is not. The system does not clear the PEND-ACTION-ACC-REJ, PEND-ACTION-ACC-REJ-DATE, and PEND-ACTION-ACC-REJ-REASON fields when a Pending Transaction is cleared from the Pending File.

Description of Change

Modified code so the PEND-ACTION-ACC-REJ, PEND-ACTION-ACC-REJ-DATE, and PEND-ACTION-ACC-REJ-REASON fields are cleared when the transaction is modified by the sender or a manager.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Validate that when a C26 transaction is modified after having been rejected that the PEND-ACTION-ACC-REJ, PEND-ACTION-ACC-REJ-DATE, and PEND-ACTION-ACC-REJ-REASON fields are cleared.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
TRNC26P1	Change Transaction 26 (Custodian Account Change)	Program	144
PCM000LC		LDA	144

11.0 CCR 145 (Report 240 Custodian Transaction in Pending Status Reporting Records Not in Requester Confines)

Report 240 is not limited to reporting only the transactions for the installation sub-installation of the requester. Also not performing an error routine when the program encounters a no record found condition, which is causing an abnormal termination of processing.

Description of Change

Modified code to limit the records found to stay within the installation sub-installation of the requester. Also, a message will print on the report that states no records are found.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Schedule and run report 240.
- Validate that only records for the installation sub-installation of the requester are displayed on the report.
- Validate that when no data is found that the error message "NO PENDING RECORDS FOUND" is displayed.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
RPT240P1	Pending Transaction Report	Program	145

12.0 CCR 146 (Report 246 Transactions Awaiting Action (Equipment Managers) - Abnormally Terminates if No Records Are Found)

Report 246 abnormally terminates if no records are found.

Description of Change

Modified code to include an error routine and print message "NO PENDING RECORDS ARE FOUND" if no records are found.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Schedule and run report 246.
- Validate that when no records are found on the pending file that the program terminates normally and the message "NO PENDING RECORDS ARE FOUND" is displayed.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
RPT246P1	Awaiting Manager's Approval Report	Program	146

13.0 CCR 147 (Program Allow Entry of a Custodian Account Number entered into the System that is not on the Custodian Table) (see CCR 133)

C52 transactions allow entry of a Custodian Account Number entered into the system that is not on the custodian table.

Description of Change

Modified the process to validate that the Custodian Account Number is currently on the 078 Custodian Account Table. If it does not exist then a warning that cannot be overridden is displayed saying that the Custodian Account Number is not on the table.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- While processing a C52 transaction enter an invalid Custodian Account Number. Validate that the error message: ERROR 490 - CUSTODIAN ACCOUNT NUMBER NOT ON TABLE 078 is displayed.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
TRNC52P1	Change Transaction 52 (Excess Equipment Turn-in By Custodian)	Program	147

14.0 CCR 148 (Transaction 74 (Delete for Retag) the History Record MU field is being Populated with Trans 14)

History record is being populated with the wrong transaction in the last MU field.

Description of Change

Modified the recording of the History record so that the last field will be 74 and not 14.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Validate that when a transaction 14 (Receipt from Retagging) is processed for an ECN that the History record does not contain a 14 in the last position of the TRANSACTION numbers for the Previous ECN. (Under NEMS ADHOC INQUIRIES MENU option 5).

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
TRN014P2	Transaction 14 Processing Program	Program	148

15.0 CCR 149 (Inventory by Exception)

NASA Equipment Management Policy permits Inventory by Exception as an allowable method for performing the equipment inventory. NEMS does not currently accommodate this method.

Description of Change

Changed code to allow the following NEMS change transactions to update the DATE LAST INVENTORIED: 26, 31, 39, 41, 43, 45, and 46.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Verify that the date last inventoried was updated after processing these transactions.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
TRN026P1	Change Transaction 26 (Custodian Account Change)	Program	149
TRN031P1	Change Transaction 31 (User Number Change)	Program	149
TRN039P1	Change Transaction 39 (Borrowed Out - Returned)	Program	149
TRN041P1	Change Transaction 41 (Loan/Lease Out - Returned)	Program	149
TRN043P1	Change Transaction 43 (Loan Pool Out - Returned)	Program	149
TRN045P1	Change Transaction 45 (Storage In - Returned)	Program	149
TRN046P1	Change Transaction 46 (Cap/Sen Code and NSN Change)	Program	149

16.0 CCR 150 (Inventory Close Modification)

NASA Equipment Management Policy permits Inventories to be managed by the centers without involving Headquarters in the close process.

Description of Change

The Inventory Close process was modified to disregard any existing conditions in the NEMS Inventory System. All Edits were removed so that whenever a center chooses to close an inventory it will close resetting all of the inventory files.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Verify that there is an open inventory with outstanding overages and underages.
- Verify that after selecting the option to close the inventory you receive the message 'INVENTORY FOR INSTALLATION: XX IS SCHEDULED TO BE CLOSED' when you have scheduled the close.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
INVCLSP1	Schedule Inventory Cycle to be Close	Program	150
INVPRCP1	Inventory Process/Close	Program	149, 150
INVPRCP2	Inventory Process/Close	Program	149, 150

17.0 CCR 152 (Manager does not have access to all of the custodian records by sub-installation)

When release 3.8 came out the manager was not allowed to see custodian accounts if he was not assigned to the custodian. The center allows any manager within a sub-installation authority to act for one another on all custodian accounts.

Description of Change

Code was changed so that the manager will have authority for all Custodian Accounts within his sub-installation.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Validate that the Manager has access to all Custodian Accounts within his sub-installation.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
SGN003P2	Pending File for Manager	Program	152

18.0 CCR 153 (Custodian Not Printing on RPT762P2 and the ECN Line of the Report is Printing Twice)

The RPT762P2 report is printing the ECN data line twice on the report and the Custodian Number is not printing on the report

Description of Change

RPT762P2 was corrected so that the Custodian Number is printing on the report.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Schedule and run the 762 report (for Grid location).
- Validate that the custodian number prints on the report.
- Validate that the ECN data line only prints one time.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
RPT762P2	Inventory Location Change Report	Program	153

19.0 CCR 155 (Custodian cannot delete a Transaction 26 from Pending File after Rel 3.8)

After release 3.8 the custodian is not allowed to delete a Transaction 26 from the Pending File. There is not a way that a custodian can delete a record added to the Pending File in error.

Description of Change

Changed code to allow the Custodian capability to delete a Transaction 26 from the Pending File.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Verify for option 4 (Transactions Awaiting Other Acceptance/Approval) on the ELECTRONIC SIGNATURES/PASSWORD screen that you now have the capability to delete a Transaction 26.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
SGN005P1	Pending Transactions by Custodian	Program	155

Appendix D - INSTALLATION INSTRUCTIONS AND CHECKLIST FOR NEMS SOFTWARE RELEASE 3.9

Introduction

Release information:

System Name: NEMS
Release Number: 3.9
Release Date: March 25, 1997
Effective Date: Immediately

In case of installation problems, contact the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical Services Center (Use following Key Words: SESAAS & NEMS)

Telephone: (205) 544-6673
Email: jim.crowell@msfc.nasa.gov
FAX: (205) 544-1836

The following datasets are located on the NASA Central Distribution Facility as NASA data sets.

- AIMS.NEMS.PROD.REL390.REL0397.SRC
- AIMS.NEMS.PROD.REL390.REL0397.SRCALT
- AIMS.NEMS.PROD.REL390.REL0397.DOC

Installation Sequence

The sequence in which the installation of this release should occur is provided in the following list. A checklist is provided in section 9.0 to assist in tracking the installation of this release.

- 1.0 Back Up Existing Data
- 2.0 Copy Source/Object Code
- 3.0 Pre-Predict Data Conversion
- 4.0 Install Predict
- 5.0 Catalog Source Code
- 6.0 Post-Predict Data Conversion
- 7.0 Perform Release-Specific Procedures
- 8.0 Local JCL Mods
- 9.0 Installation Checklist

1.0 Back Up Existing Data

It is advisable to back up all NEMS files as a precautionary measure prior to installation.

2.0 Copy Source/Object Code

2.1 Copy Source Code

The following data sets are supplied with this release version

AIMS.NEMS.PROD.REL390.REL0397.SRC - use sub sections A.

AIMS.NEMS.PROD.REL390.REL0397.SRCALT - use sub sections B.

Install either data set not both.

A. Source code is installed in three separate libraries. Source code for programs modified in this release version were unloaded in the NATUNLD format, these programs all have specific destination libraries as shown below. All the NEMS programs have a destination of NEMS; NEMSINV programs have a destination of NEMSINV; and NEMSPCM programs have a destination of NEMSPCM.

1. Load the NEMS source library from dataset:

AIMS.NEMS.PROD.REL390.REL0397.SRC.

The source programs were unloaded using the Natural utility NATUNLD.

The NEMS programs:

INVBBIP1	Program
INVBBIP4	Program
INVBBIS1	Subprogram
INVBBIS4	Subprogram
NEMS	Program
PRM141P1	Program
RPT020P1	Program
RPT240P1	Program
RPT246P1	Program
RPT410P1	Program
RPT761P1	Program
RPT761P2	Program
RPT762P2	Program
TRN014P2	Program
TRN026P1	Program
TRN031P1	Program
TRN039P1	Program
TRN041P1	Program
TRN043P1	Program
TRN045P1	Program

TRN046P1 Program
TABLE39 Program

will be loaded to the application library NEMS, replacing any existing programs of the same name.

2. Load the NEMSINV source library from dataset:
AIMS.NEMS.PROD.REL390.REL0397.SRC.
The source programs were unloaded using the Natural utility NATUNLD.
The programs:

INV Program
INVCLSP1 Program
INVPRCP1 Program
INVPRCP2 Program
INVSELP1 Program
TRNI29P1 Program

will be loaded to the application library NEMSINV, replacing any existing programs of the same name.

3. Load the NEMSPCM source library from dataset:
AIMS.NEMS.PROD.REL390.REL0397.SRC.
The source programs were unloaded using the Natural utility NATUNLD.
The programs:

MNUC01P1 Program
PCMMAP Map
PCM000LC Local
SGN003P1 Program
SGN003P2 Program
SGN005P1 Program
TRNC26P1 Program
TRNC52P1 Program
TRNUPDPA Subprogram
TRNUPDP1 Program

will be loaded to the application library NEMSPCM, replacing any existing programs of the same name.

The source module counts included in this release are listed below:

Natural Source Modules by type	
COPYCODE	0
GLOBALS	0
HELP	0
LDA	1
MAP	1
PDA	0
PROGRAM	33
SUB PGM	3
SUBROUTINES	0
TEXT	0
Total:	38

B. Source code is installed into one library. Source code for programs modified in this release version were unloaded in the NATUNLD format, these programs all have a destination of TESTNEMS.

1. Load the source programs from dataset:

AIMS.NEMS.PROD.REL390.REL0397.SRCALT.

The source programs were unloaded using the Natural utility NATUNLD.

The TESTNEMS programs:

INVBBIP1	Program
INVBBIP4	Program
INVBBIS1	Subprogram
INVBBIS4	Subprogram
NEMS	Program
PRM141P1	Program
RPT020P1	Program
RPT240P1	Program
RPT246P1	Program
RPT410P1	Program
RPT761P1	Program
RPT761P2	Program
RPT762P2	Program
TRN014P2	Program
TRN026P1	Program
TRN031P1	Program
TRN039P1	Program
TRN041P1	Program
TRN043P1	Program

TRN045P1 Program
 TRN046P1 Program
 TABLE39 Program
 INV Program
 INVCLSP1 Program
 INVPRCP1 Program
 INVPRCP2 Program
 INVSELP1 Program
 TRNI29P1 Program
 MNUC01P1 Program
 PCMMAP Map
 PCM000LC Local
 SGN003P1 Program
 SGN003P2 Program
 SGN005P1 Program
 TRNC26P1 Program
 TRNC52P1 Program
 TRNUPDPA Subprogram
 TRNUPDP1 Program

will be loaded to the application library TESTNEMS, replacing any existing programs of the same name. (See sub-section A above for proper library distribution).

The source module counts included in this release are listed below:

Natural Source Modules by type	
COPYCODE	0
GLOBALS	0
HELP	0
LDA	1
MAP	1
PDA	0
PROGRAM	33
SUB PGM	3
SUBROUTINES	0
TEXT	0
Total:	38

2.2 List of Source Code Modifications

The following are the modules added, and modified.

Added Modules

1. TABLE39 Update Tables for Release 3.9
2. INVBBIS1 Bar Code Data Against Equipment File
3. INVBBIS4 Bar Code Data Against Equipment File

Modified Modules

1. INV Inventory Banner Page
2. INVBBIP1 Bar Code Data Against Equipment File
3. INVBBIP4 Location Bar Code Data Against Equipment File
4. INVCLSP1 Schedule Inventory Cycle to be Close
5. INVPRCP1 Inventory Process/Close
6. INVPRCP2 Inventory Process/Close
7. INVSELP1 Inventory Select Menu
8. MNUC01P1 Main Menu Program
9. NEMS NEMS Banner Page
10. PCM000LC
11. PCMMAP PCM Banner Page
12. PRM141P1 Custodian Account Property Report Selection Menu
13. RPT020P1 Custodian Monthly Transaction Report
14. RPT240P1 Pending Transaction Report
15. RPT246P1 Awaiting Manager's Approval Report
16. RPT410P1 1324 - Controlled Equipment Report
17. RPT761P1 Custodian Account Overage Items Report
18. RPT761P2 Grid Location Overage Items Report
19. RPT762P2 Inventory Location Change Report
20. SGN003P1 Pending File for Gaining Custodian
21. SGN003P2 Pending File for Manager
22. SGN005P1 Pending Transactions By Custodian
23. TRN014P2 Transaction 14 Processing Program
24. TRN026P1 Change transaction 26 (Custodian Account Change)
25. TRN031P1 Change transaction 31 (User Number Change)
26. TRN039P1 Change transaction 39 (Borrowed Out - Returned)
27. TRN041P1 Change transaction 41 (Loan/Lease Out - Returned)
28. TRN043P1 Change transaction 43 (Loan Pool Out - Returned)
29. TRN045P1 Change transaction 45 (Storage In - Returned)
30. TRN046P1 Change transaction 46 (Cap/Sen Code and NSN Change)
31. TRNC26P1 Change transaction 26 (Custodian Account Change)
32. TRNC52P1 Change Transaction 52 (Excess Equipment Turn-in By Custodian)
33. TRNI29P1 Change Transaction I29 (Equipment Location Change)
34. TRNUPDPA Determine New Values for Date-Inventoried
35. TRNUPDP1 NEMS Update Transaction from the Pending File Records

2.3 Copy Object Modules

Not applicable with this release.

3.0 Pre-Predict Data Conversion

Not applicable with this release.

4.0 Install Predict

Not applicable with this release.

5.0 Catalog Source Code

"Run a batch job to catalog (CATALL) all modules in the NEMSINV and NEMSPCM libraries using the NASA Batch standard parameters. It is not necessary to catalog the Global Data Area (GDA). There should be no errors received.

Run a batch job to catalog (CATALL) all modules in the NEMS library using the NASA Batch standard parameters replacing the existing PS and LS with the following values: PS=23 and LS=80. It is not necessary to catalog the Global Data Area (GDA). You should receive 31 NATURAL 0890 errors for modules beginning with ADH* or RPT* that concern trying to stow a dynamic program. These are valid. You should also receive 40 NATURAL 0303 errors for modules that begin with RPT* that concern page overflow. To compile these correctly, run another CATALL for the RPT* modules in the NEMS library using the NASA Batch standard parameters. Twelve RPT955* programs will produce NATURAL 0002 errors. These errors are to be **IGNORED** because these objects are dynamic.

After all objects are compiled, the NEMS application will run under the NASA On-line standard parameter.

6.0 Post-Predict Data Conversion

There is no post-Predict data conversion required.

7.0 Perform Release-Specific Procedures

From the next prompt or a batch job execute module **TABLE39** to update tables. Updates table 252. The following updates should be made.

0992 - Johnson Space Center (SPOC - USA West)

1016 - Kennedy Space Center (SPOC/USA East/GrSp)

1019 - Kennedy Space Center (SPOC/USA East/Dpt)

8.0 Local JCL Mods

There are no Local JCL Mods with this release.

9.0 Installation Checklist

1.0 Back Up Existing Data

2.1 Copy Source Code

5.0 Catalog Source Code

Update the Password to the NEMS-PCM-AUTH file in PCM programs: MNUC01P1; TRNC26P1; TRNC52P1; TRNUPDP1. This step is optional if the Center chose not to put a password on the NEMS-PCM-AUTH file.

A. Find out from your DBA the ADABAS Security password assigned to the NEMS-PCM-AUTH file at your Installation.

B. Logon to the NEMSPCM and use the Scan utility to search the NEMSPCM programs listed above for the word:

PASSWORD = 'NEMSPCM' and replace it with:

PASSWORD = 'Your site Password'. This scan and replace will change all references to the password, found in the newly released NEMS Release Version 3.9 modules, with your Installation's password.

7.0 Perform Release-Specific Procedures