

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

Release 4.3

NASA-NEMSCENT-VDD-13

PrISMS Contract

April 30, 1999



National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, AL 35812

**VERSION DESCRIPTION DOCUMENT FOR THE
NASA EQUIPMENT MANAGEMENT SYSTEM (NEMS) CENTRAL
RELEASE 4.3**

Submitted by

Neal Cantrell Functional Area Lead	Date
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Reviewed by

CSC

Steve Rowell Agencywide IRM, Property and Procurement Systems	Date
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Jim Cofer Configuration Management	Date
---------------------------------------	------

Hector Garcia Agencywide IRM	Date
---------------------------------	------

Richard Bishop DBA	Date
-----------------------	------

Prepared by

Computer Sciences Corporation, Contract NAS8-60000

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

April 30, 1999

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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) Central. 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 Central, Release 4.3 and has an effective release date of April 30, 1999.

1.2. PURPOSE OF THE RELEASE

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

<u>CCR</u>	<u>Title</u>
204	Remove transfers to JPL from Central Transfer File
208	Capitalization Value Calculation

1.3. SCOPE

This VDD provides the functional and technical user of NEMS Central with information regarding the contents, status, and structure of Release 4.3, including the following:

- Changes implemented since Release 4.1.
- 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 Central 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 Central)

Telephone: (256) 544-6673
Email: neal.cantrell@msfc.nasa.gov
FAX: (256) 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 changes related to this release.

2.2. FUNCTIONAL INTERFACES

This section is not applicable for this release.

2.3. CRITICAL ISSUES

This section is not applicable for this release.

2.4. AFFECTED DOCUMENTS

No documents are affected by this release.

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

This section is not applicable for this release.

3.2. DATA DICTIONARY CHANGES

Refer to Appendix D, Section 4.0, for the 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 Central Software Release 4.3 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 Agencywide 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
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1.0	204	Remove transfers to JPL from Central Transfer File
2.0	208	Capitalization Value Calculation

Details for the validation procedures follow:

1.0 CCR 204 Modifications to NEMS Central to accommodate JPL data

Remove transfers to JPL from Central Transfer File.

Description of Change

Code was added to delete all JPL transfer data off of the NEMS-CENT-TRANSFER File.

Functional Impact

A new job will be added to NEMS Central to be run once a month to delete the JPL transfer data.

Validation Procedures

- Run the batch job to delete the JPL transfer data off the NEMS-CENT-TRANSFER file.
Expected Results: JPL transfer data will be deleted from the NEMS-CENT-TRANSFER file.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
JPLXFDPA	Delete JPL Transfer records	Program

2.0 CCR 208 Capitalization Value calculation

Currently in NEMS an item is considered capital equipment if its COST is \$100,000 or greater. If the COST is less than \$100,000 and an adjustment is made to the item to increase the COST to \$100,000 or greater then the item is considered capital.

Requirement is to change the way an item is classified as capital equipment. If an item is added with a cost of \$100,000 then the item is considered capital. There will be 2 types of adjustments that can be made to an item: a correction or addition. If an item's value is being corrected to above \$100,000 then the entire \$100,000 is capital. If an addition is made to an item and the value of the addition is \$100,000 or greater then only the value of the addition is considered capital. The original amount is not considered in the capital value. If an addition is made to an item and the value of the addition is less than \$100,000 then the neither the original amount (even if the original amount plus the addition make the cost \$100,000 or greater) nor the addition is considered capital.

Description of Change

Changes were made to add transactions (NEMS – 01, 04, 05, 06,10, 11, 12, 13, 15, 16, 17, 18, 19, and 21; INV – I04, I06, I10, I11, I12, I13, I15, I18, and I19) and change transaction (NEMS - 25) to move the Capitalization Amount from the transfer file to the NEMS-CENT-EQUIP or HISTORY file. (All delete transactions will now move the Capitalization Amount from the Equipment file to the History file.)

Functional Impact

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

Validation Procedures

- Validate that add transactions (NEMS - 01, 05, 06, 10, 11, 12, 15, 16, 17, 18, 19, and 21. INV - I06, I10, I11, I12, I15, I18, and I19) will move the Capitalization Amount from the Transfer file to the Equipment file or History file.
Expected result: The Capitalization Amount will be equal to Capitalization on Transfer file.
 - Validate that change transaction (NEMS – 25) will move the Capitalization Amount from the Transfer file to the Equipment file or the History file.
Expected results: The Capitalization Amount will be equal to Capitalization on Transfer file.
 - Validate that all delete transactions in NEMS, INV, and PCM will move the Capitalization Amount from the Equipment file to the History file.
Expected results: The Capitalization Amount on the History file will be equal to the Capitalization Amount that was on the Equipment file.
-

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ADHOCENT	NEMS Adhoc Start Program (For Centers)	Program
ADHOC006	Adhoc Selection By ECN Central Transfer (Centers)	Program
ADHOC011	Adhoc Central Transfer Summary Screen (Centers)	Program
ADHOC012	Adhoc Central Transfer Summary Screen (Centers)	Program
ADHOC20A	Adhoc Central History File By ECN (For Centers)	Program
ADHOC20B	Adhoc Central History File By Old Tag No (Centers)	Program
ADHOC20C	Adhoc Central History File By Previous ECN (Centers)	Program
ADHOC20D	Adhoc Central History FileBy Contractor-Tag-No	Program
ADHOC201	Adhoc Central Equipment File By ECN (For Centers)	Program
ADHOC202	Adhoc Central Equipment File By Old-Tag-No (For Centers)	Program
ADHOC203	Adhoc Central Equipment File By Previous ECN (For Centers)	Program
ADHOC204	Adhoc Central Equipment File By Contractor-Tag-No (For Centers)	Program
ADHOC205	Adhoc Central Equipment File By Contractor-No-Acct (For Centers)	Program
ADHOC213	Adhoc Central History File By ECN (For Centers)	Program
ADHOC21F	Adhoc List Data Elements Available For Display (Centers)	Program
CAPITAL	Load Capitalization Amount from Cost	Program
CDBSTEP4	Sorted Data Duplicate Check	Program
MSD008PL	Recompile Of Transferred Data	Program
MSD008P1	Daily transaction extract program	Program
MSD008P2	Recompile Of Transferred Data	Program
MSD008P4	Sorted Data Duplicate Check	Program
NEMS	NEMS Start Program	Program
RPTEQUP1	Extract Equipment Records To Create Backup File	Program
RPTHSTP1	Extract History Records To Create Backup File	Program
RPT740P1		Program
TRNERRP1	Error Report Program	Program
TRNERRP2	Transfer Error Report Program	Program
TRNRELC1	Changes Due To CCR 208 (Capitalization Value Calculation)	Copycode
TRNX00P1	NPDMS Delete Transaction X00 (Final Disposition Of Item)	Program
TRNX15P1	NPDMS Add X15 (Receipt From Return Of Record From Historical File)	Program
TRNX60P1	Controlled Receipt/Reverse a Controlled Receipt/ Controlled Change: X60 (Record Data Change)	Program
TRNX65P1	Delete Transaction X65 (Transfer To Another NASA Installation)	Program
TRNX90P1	Change Transaction X90 (Disposition Of Equipment)	Program

TRN000P1	Central File Update Driver	Program
TRN000P2	Transaction Extract From Central To Centers	Program
TRN001P1	Add Transaction 01 (Receipt By Purchase-NASA Funded)	Program
TRN002P1	Add Transaction 02 (Receipt By Purchase-OGA Funded)	Program
TRN003P1	Add Transaction 03 (Rcpt By Purchase-Reported By Contr)	Program
TRN004P1	Add Transaction 04 (Rcpt By Transfer-From NASA Inst)	Program
TRN005P1	Add Transaction 05 (Receipt By Transfer-From OGA)	Program
TRN006P1	Add Transaction 06 (Rcpt By Transfer-From Contractor)	Program
TRN007P1	Add Transaction 07 (Rcpt By Transfer-Reported By Contr)	Program
TRN008P1	Add Transaction 08 (Receipt From Lease In)	Program
TRN009P1	Add Transaction 09 (Receipt From Loan In)	Program
TRN010P1	Add Transaction 10 (Receipt From Fabrication)	Program
TRN011P1	Add Transaction 11 (Receipt From Assembly /Disassembly)	Program
TRN012P1	Add Transaction 12 (Receipt From Found On Station)	Program
TRN013P1	Add Transaction 13 (Receipt From Excess)	Program
TRN014P1	Add Transaction 14 (Receipt From Retagging)	Program
TRN015P1	Add Transaction 15 (Receipt From Return Of Record From Historical File)	Program
TRN016P1	Add Transaction 16 (Receipt By Transfer From Real To Personal Property)	Program
TRN017P1	Add Transaction 17 (Receipt From Non-Gov Source)	Program
TRN018P1	Add Transaction 18 (Receipt From Not Previously Meeting Criteria For Tagging)	Program
TRN019P1	Add Transaction 19 (Reinstating Items Previously Surveyed)	Program
TRN020P1	Add Transaction 20 (Receipt From Borrow In)	Program
TRN021P1	Add Transaction 21 (Receipt – Lease To Purchase)	Program
TRN025P1	Change Transaction 25 (Cost Change)	Program
TRN026P1	Change Transaction 26 (Custodian Account Change)	Program
TRN027P1	Change Transaction 27 (Date Available Change)	Program
TRN028P1	Change Transaction 28 (Date Lease/Loan/Borrow Out Due Change)	Program
TRN029P1	Change Transaction 29 (Equipment Location Change)	Program
TRN030P1	Change Transaction 30 (Status Code Change)	Program
TRN031P1	Change Transaction 31 (User Number Change)	Program
TRN032P1	Change Transaction 32 (Inventory Change Transaction)	Program
TRN033P1	Change Transaction 33 (Inventory Change)	Program

	Transaction)	
TRN034P1	Change Transaction 34 (Inventory Change Transaction)	Program
TRN035P1	KSC Financial Reconciliation Transaction	Program
TRN038P1	Change Transaction 38 (Borrowed Out	Program
TRN039P1	Change Transaction 39 (Borrowed Out-Returned)	Program
TRN040P1	Change Transaction 40 (Loan/Lease Out)	Program
TRN041P1	Change Transaction 41 (Loan/Lease Out-Returned)	Program
TRN042P1	Change Transaction 42 (Loan Pool Out)	Program
TRN043P1	Change Transaction 43 (Loan Pool Out-Returned)	Program
TRN044P1	Change Transaction 44 (Storage In)	Program
TRN045P1	Change Transaction 45 (Storage In-Returned)	Program
TRN046P1	Change Transaction 46 (Cap/Sens Code And NSN Change)	Program
TRN050P1	Change Transaction 50 (Freeze Number Assignment)	Program
TRN051P1	Change Transaction 51 (Freeze Number Removal)	Program
TRN052P1	Change Transaction 52 (Excess Equipment Turn-In By Custodian)	Program
TRN053P1	Change Transaction 53 (Excess Equipment Turn-In By Contractor)	Program
TRN054P1	Change Transaction 54 (Calibration Update Change)	Program
TRN055P1	Change Transaction 55 (Inventory Update)	Program
TRN056P1	Change Transaction 56 (Repair Update Change)	Program
TRN057P1	Change Transaction 57 (Off-Site Repair Update)	Program
TRN060P1	Change Transaction 60 (NASA Held Equipment Record Data Change)	Program
TRN061P1	Change Transaction 61 (Contractor Held Equipment Record Data Change)	Program
TRN063P1	Change Transaction 63 (Reverse Add)	Program
TRN065P1	Delete Transaction 65 (Transfer To Another NASA Installation)	Program
TRN066P1	Delete Transaction 66 (Transfer To Other Government Agency)	Program
TRN067P1	Delete Transaction 67 (Transfer Of GFE To A Contractor)	Program
TRN068P1	Delete Transaction 68 (Transfer Of GFE By A Contractor)	Program
TRN069P1	Delete Transaction 69 (Lease In-Returned)	Program
TRN070P1	Delete Transaction 70 (Loan In-Returned)	Program
TRN071P1	Delete Transaction 71 (Survey (Missing Equipment))	Program
TRN072P1	Delete Transaction 72 (Decontrol (Removal Of Tag))	Program
TRN073P1	Delete Transaction 73 (Deletes Resulting From Assembly/Disassembly)	Program
TRN074P1	Delete Transaction 74 (Lost Tag)	Program
TRN075P1	Delete Transaction 75 (Lease In-Returned)	Program
TRN080P1	Delete Transaction 80 (Disposal Of NASA Held	Program

	Equipment By Custodian)	
TRN081P1	Delete Transaction 81 (Disposal Of NASA Held Equipment By EVS Coordinator)	Program
TRN082P1	Delete Transaction 82 (Disposal Of Contractor Held Equipment) (C.C. More Than 6) By Contr.)	Program
TRN083P1	Delete Transaction 83 (Disposal Of Contractor Held Equipment By EVS Coordinator)	Program
TRN084P1	Delete Transaction 84 (Removal Of Equipment From EVS-Reported By Contractor)	Program
TRN085P1	Delete Transaction 85 (Delete Resulting From Trade-In)	Program
TRN086P1	Delete Transaction 86 (Transfer To Real Property)	Program
TRN087P1	Delete Transaction 87 (Delete Lease To Purchase)	Program
TRN099P1	Change Transaction 99 (Date Inventoried Change)	Program
UPNCTS02	Table Update Utility	Program

APPENDIX D - INSTALLATION INSTRUCTIONS AND CHECKLIST FOR NEMS CENTRAL SOFTWARE RELEASE 4.3

Introduction

Release information:

System Name: NEMS Central
Release Number: 4.3
Release Date: April 30, 1999
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 Central)

Telephone: (256) 544-6673
Email: neal.cantrell@msfc.nasa.gov
FAX: (256) 544-1836

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

- AIMS.NEMC.PROD.REL430.REL0499.DOC
- AIMS.NEMC.PROD.REL430.REL0499.PRD
- AIMS.NEMC.PROD.REL430.REL0499.SRC

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 CENTRAL files as a precautionary measure prior to installation.

2.0 Copy Source/Object Code

2.1 Copy Source Code

Load the NEMS Central source library from dataset AIMS.NEMSC.PROD.REL430.REL0499.SRC. The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library NEMSCENT, replacing any existing programs of the same name. The source module counts included in this release are listed below:

Natural Source Modules by Type	
GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	0
MAPS	0
HELP ROUTINES	0
SUBROUTINES	0
SUBPROGRAMS	0
PROGRAMS	108
COPYCODE	1
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
Total:	109

2.2 List of Source Code Modifications

The following are the modules added, modified and deleted.

Added Modules

1. CAPITAL Load Capitalization Amount from Cost
2. JPLXFDPA Deletes JPL transfer records on NEMS-CENT-TRANSFER
3. TRNRELC1 Changes Due To CCR 208 (Capitalization Value Calculation)

Changed Modules

1. ADHOCENT NEMS Adhoc Start Program (For Centers)
2. ADHOC006 Adhoc Selection By ECN Central Transfer (Centers)
3. ADHOC011 Adhoc Central Transfer Summary Screen (Centers)

4. ADHOC012 Adhoc Central Transfer Summary Screen (Centers)
5. ADHOC20A Adhoc Central History File By ECN (For Centers)
6. ADHOC20B Adhoc Central History File By Old Tag No (Centers)
7. ADHOC20C Adhoc Central History File By Previous ECN (Centers)
8. ADHOC20D Adhoc Central History File By Contractor-Tag-No
9. ADHOC201 Adhoc Central Equipment File By ECN (For Centers)
10. ADHOC202 Adhoc Central Equipment File By Old-Tag-No (For Centers)
11. ADHOC203 Adhoc Central Equipment File By Previous ECN (For Centers)
12. ADHOC204 Adhoc Central Equipment File By Contractor-Tag-No (For Centers)
13. ADHOC205 Adhoc Central Equipment File By Contractor-No-Acct (For Centers)
14. ADHOC213 Adhoc Central History File By ECN (For Centers)
15. ADHOC21F Adhoc List Data Elements Available For Display (Centers)
16. CDBSTEP4 Sorted Data Duplicate Check
17. MSD008PL Recompile Of Transferred Data
18. MSD008P1 Daily transaction extract program
19. MSD008P2 Recompile Of Transferred Data
20. MSD008P4 Sorted Data Duplicate Check
21. NEMS NEMS Start Program
22. RPTEQUP1 Extract Equipment Records To Create Backup File
23. RPTHSTP1 Extract History Records To Create Backup File
24. RPT740P1
25. TRNERRP1 Error Report Program
26. TRNERRP2 Transfer Error Report Program
27. TRNX00P1 NPDMS Delete Transaction X00 (Final Disposition Of Item)
28. TRNX15P1 NPDMS Add X15 (Receipt From Return Of Record From Historical File)
29. TRNX60P1 Controlled Receipt/Reverse a Controlled Receipt/Controlled Change: X60 (Record Data Change)
30. TRNX65P1 Delete Transaction X65 (Transfer To Another NASA Installation)
31. TRNX90P1 Change Transaction X90 (Disposition Of Equipment)
32. TRN000P1 Central File Update Driver
33. TRN000P2 Transaction Extract From Central To Centers
34. TRN001P1 Add Transaction 01 (Receipt By Purchase-NASA Funded)
35. TRN002P1 Add Transaction 02 (Receipt By Purchase-OGA Funded)
36. TRN003P1 Add Transaction 03 (Rcpt By Purchase-Reported By Contr)
37. TRN004P1 Add Transaction 04 (Rcpt By Transfer-From NASA Inst)
38. TRN005P1 Add Transaction 05 (Receipt By Transfer-From OGA)
39. TRN006P1 Add Transaction 06 (Rcpt By Transfer-From Contractor)
40. TRN007P1 Add Transaction 07 (Rcpt By Transfer-Reported By Contr)
41. TRN008P1 Add Transaction 08 (Receipt From Lease In)
42. TRN009P1 Add Transaction 09 (Receipt From Loan In)
43. TRN010P1 Add Transaction 10 (Receipt From Fabrication)
44. TRN011P1 Add Transaction 11 (Receipt From Assembly/Disassembly)

- 45. TRN012P1 Add Transaction 12 (Receipt From Found On Station)
- 46. TRN013P1 Add Transaction 13 (Receipt From Excess)
- 47. TRN014P1 Add Transaction 14 (Receipt From Retagging)
- 48. TRN015P1 Add Transaction 15 (Receipt From Return Of Record From Historical File)
- 49. TRN016P1 Add Transaction 16 (Receipt By Transfer From Real To Personal Property)
- 50. TRN017P1 Add Transaction 17 (Receipt From Non-Gov Source)
- 51. TRN018P1 Add Transaction 18 (Receipt From Not Previously Meeting Criteria For Tagging)
- 52. TRN019P1 Add Transaction 19 (Reinstating Items Previously Surveyed)
- 53. TRN020P1 Add Transaction 20 (Receipt From Borrow In)
- 54. TRN021P1 Add Transaction 21 (Receipt – Lease To Purchase)
- 55. TRN025P1 Change Transaction 25 (Cost Change)
- 56. TRN026P1 Change Transaction 26 (Custodian Account Change)
- 57. TRN027P1 Change Transaction 27 (Date Available Change)
- 58. TRN028P1 Change Transaction 28 (Date Lease/Loan/Borrow Out Due Change)
- 59. TRN029P1 Change Transaction 29 (Equipment Location Change)
- 60. TRN030P1 Change Transaction 30 (Status Code Change)
- 61. TRN031P1 Change Transaction 31 (User Number Change)
- 62. TRN032P1 Change Transaction 32 (Inventory Change Transaction)
- 63. TRN033P1 Change Transaction 33 (Inventory Change Transaction)
- 64. TRN034P1 Change Transaction 34 (Inventory Change Transaction)
- 65. TRN035P1 KSC Financial Reconciliation Transaction
- 66. TRN038P1 Change Transaction 38 (Borrowed Out)
- 67. TRN039P1 Change Transaction 39 (Borrowed Out-Returned)
- 68. TRN040P1 Change Transaction 40 (Loan/Lease Out)
- 69. TRN041P1 Change Transaction 41 (Loan/Lease Out-Returned)
- 70. TRN042P1 Change Transaction 42 (Loan Pool Out)
- 71. TRN043P1 Change Transaction 43 (Loan Pool Out-Returned)
- 72. TRN044P1 Change Transaction 44 (Storage In)
- 73. TRN045P1 Change Transaction 45 (Storage In-Returned)
- 74. TRN046P1 Change Transaction 46 (Cap/Sens Code And NSN Change)
- 75. TRN050P1 Change Transaction 50 (Freeze Number Assignment)
- 76. TRN051P1 Change Transaction 51 (Freeze Number Removal)
- 77. TRN052P1 Change Transaction 52 (Excess Equipment Turn-In By Custodian)
- 78. TRN053P1 Change Transaction 53 (Excess Equipment Turn-In By Contractor)
- 79. TRN054P1 Change Transaction 54 (Calibration Update Change)
- 80. TRN055P1 Change Transaction 55 (Inventory Update)
- 81. TRN056P1 Change Transaction 56 (Repair Update Change)
- 82. TRN057P1 Change Transaction 57 (Off-Site Repair Update)
- 83. TRN060P1 Change Transaction 60 (NASA Held Equipment Record Data Change)

- 84. TRN061P1 Change Transaction 61 (Contractor Held Equipment Record Data Change)
- 85. TRN063P1 Change Transaction 63 (Reverse Add)
- 86. TRN065P1 Delete Transaction 65 (Transfer To Another NASA Installation)
- 87. TRN066P1 Delete Transaction 66 (Transfer To Other Government Agency)
- 88. TRN067P1 Delete Transaction 67 (Transfer Of GFE To A Contractor)
- 89. TRN068P1 Delete Transaction 68 (Transfer Of GFE By A Contractor)
- 90. TRN069P1 Delete Transaction 69 (Lease In-Returned)
- 91. TRN070P1 Delete Transaction 70 (Loan In-Returned)
- 92. TRN071P1 Delete Transaction 71 (Survey (Missing Equipment))
- 93. TRN072P1 Delete Transaction 72 (Decontrol (Removal Of Tag))
- 94. TRN073P1 Delete Transaction 73 (Delete Resulting From Assembly/Disassembly)
- 95. TRN074P1 Delete Transaction 74 (Lost Tag)
- 96. TRN075P1 Delete Transaction 75 (Lease In-Returned)
- 97. TRN080P1 Delete Transaction 80 (Disposal Of NASA Held Equipment By Custodian)
- 98. TRN081P1 Delete Transaction 81 (Disposal Of NASA Held Equipment By EVS Coordinator)
- 99. TRN082P1 Delete Transaction 82 (Disposal Of Contractor Held Equipment) (C.C. More Than 6 By Contr.)
- 100. TRN083P1 Delete Transaction 83 (Disposal Of Contractor Held Equipment By EVS Coordinator)
- 101. TRN084P1 Delete Transaction 84 (Removal Of Equipment From EVS-Reported By Contractor)
- 102. TRN085P1 Delete Transaction 85 (Delete Resulting From Trade-In)
- 103. TRN086P1 Delete Transaction 86 (Transfer To Real Property)
- 104. TRN087P1 Delete Transaction 87 (Delete Lease To Purchase)
- 105. TRN099P1 Change Transaction 99 (Date Inventoried Change)
- 106. UPNCTS02 Table Update Utility

2.3 Delete Source Modules

Not applicable with this release.

2.4 Copy Object Modules

Not applicable with this release.

3.0 Pre-Predict Data Conversion

Not applicable with this release.

4.0 Install Predict

4.1 Data Dictionary Changes

This release will include the new enhancements for version 4.3.0. Details for changes in this release can be found under paragraph 4.1.3 Physical File Changes or by performing Predict reporting on the keyword NEMS-CENT-4.3.0.

Use SYSDICBE to load the PREDICT modifications from the dataset AIMS.NEMC.PROD.REL430.REL0499.PRD.

The following NEMS DDMs should be generated after the PREDICT load is completed.

NEMS-CENT-EQUIP
NEMS-CENT-EQUIP-VIEW
NEMS-CENT-HISTORY
NEMS-CENT-HISTORY-VIEW
NEMS-CENT-TRANSFER
NEMS-NSN-TEST

4.1.1 Inventory of Objects

The object types and inventory listed below represent a comprehensive count of the Predict object modules for this release.

PREDICT Objects by Type:

Keyword	-	1
ADABAS Files and Views	-	6
Data Elements	-	337

4.1.2 Storage Considerations

Not applicable with this release.

4.1.3 Physical File Changes

Add the following field:

```
NEMS-CENT-EQUIP                               File # 040
  Ty L Field ID                               F Length Occ D U DB S
  *- - -----*-----*-----* * * -- *
      1 CAPITALIZATION-AMT                    N     9.2          DC N
```

ADADBS NEWFIELD FILE=040
ADADBS FNDEF='01,DC,11,U,NU'

Add the following field:

```
NEMS-CENT-HISTORY                             File # 041
  Ty L Field ID                               F Length Occ D U DB S
  *- - -----*-----*-----* * * -- *
      1 CAPITALIZATION-AMT                    N     9.2          DC N
```

ADADBS NEWFIELD FILE=041
ADADBS FNDEF='01,DC,11,U,NU'

Add the following field:

```
NEMS-CENT-TRANSFER                           File # 042
  Ty L Field ID                               F Length Occ D U DB S
  *- - -----*-----*-----* * * -- *
      1 CAPITALIZATION-AMT                    N     9.2          BE N
```

ADADBS NEWFIELD FILE=042
ADADBS FNDEF='01,BE,11,U,NU'

5.0 Catalog Source Code

Run a batch job to catalog (CATALL) all modules in the NEMSCENT or other named library. It is not necessary to catalog the Global Data Area. You should receive 5 NATURAL 0002 errors for modules beginning with ADHOC21* that concern trying to stow a dynamic program. It is not necessary to attempt to resolve the 5 errors. The NASA Batch standard parameters should be used for the compile.

After all objects are compiled, the NEMS CENTRAL 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

7.1 Run UPNCTS02 to update tables 252, S02, S07, and S10

252 – Change installation 0303 to John H. Glenn Research Center (GRC)

S02 – Change 9 error messages

S07 – Add 2 messages

S10 – Add transaction I18 (Receipt from not previously meeting criteria for tagging – (O))

7.2 Run CAPITAL to populate the Capitalization Amount

If the COST on the NEMS-EQUIPMENT file is \$100,000 or greater then the CAPITALIZATION-AMT will be populated with the amount from the COST field

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

7.1 Run UPNCTS02 to update tables 252, S02, S07, and S10

7.2 Run CAPITAL to populate the Capitalization Amount