

# VERSION DESCRIPTION DOCUMENT FOR THE ACQUISITION MANAGEMENT SYSTEM (AMS)

Release 6.1.1

PrISMS Contract

December 1997



National Aeronautics and  
Space Administration

George C. Marshall Space Flight Center  
Huntsville, AL 35812

VERSION DESCRIPTION DOCUMENT  
FOR THE  
ACQUISITION MANAGEMENT SYSTEM (AMS)  
RELEASE 6.1.1

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

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
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## 1.0 INTRODUCTION

This Version Description Document (VDD) describes the changes and installation procedures for Release 6.1.1 of the Acquisition Management System (AMS). 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 AMS, Release 6.1.1 and has an effective release date of December 31, 1997.

### 1.2 PURPOSE OF THE RELEASE

This release implements modifications necessitated by the following Change Control Request (CCR):

RC 1224 - AMS 507 edits need to be updated to allow 8(A) awards as simplified acquisitions

### 1.3 SCOPE

This VDD provides the functional and technical user of AMS with information regarding the contents, status, and structure of Release 6.1.1, including the following:

- Changes implemented since Release 6.1.0.
- 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 AMS is provided through the Consolidation Center (CC) located at Marshall Space Flight Center (MSFC). Questions regarding the functional and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (Identify yourself as SESAAS & AMS.)

Telephone: (205) 544-6673

Email: [charmaine.absher@msfc.nasa.gov](mailto:charmaine.absher@msfc.nasa.gov)

FAX: (205) 544-1836

## 2.0 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. Appendix E contains sample JCL that will be needed for release installation.

### 2.2 FUNCTIONAL INTERFACES

This release has no functional impact on interfaces with any SESAAS (Sustaining Engineering Support for Agencywide Administrative Systems) application.

### 2.3 CRITICAL ISSUES

There are no critical issues associated with 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.



### 3.0 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 AMS Software Release 6.1.1 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.



#### 4.0 KNOWN AND OPEN PROBLEMS

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

APPENDIX A  
ABBREVIATIONS AND ACRONYMS

## ABBREVIATIONS AND ACRONYMS

AMS	Acquisition Management System
CC	Consolidation Center
CCR	Change Control Request
DR	Discrepancy Report
FAX	Electronic Facsimile Transmission
JCL	Job Control Language
MSFC	Marshall Space Flight Center
NACC	NASA Automated Data Processing (ADP) Consolidation Center
NASA	National Aeronautics and Space Administration
RC	Requirements Change
SESAAS	Sustaining Engineering Support for Agencywide Administrative Systems
VDD	Version Description Document

APPENDIX B  
GLOSSARY

## GLOSSARY

### Database Administration

Responsibility for maintaining the physical database environment.

### Implementation

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

### Operational Preparation

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

### System Administration

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

APPENDIX C  
FUNCTIONAL CHANGE VALIDATION  
PROCEDURES

## FUNCTIONAL CHANGE VALIDATION PROCEDURES

Index of validation procedures for changes in this release.

Section	CCR	Title
1.0	001224	Add/update 507 edits to allow 8(A) awards as simplified acquisitions

Details for the validation procedures are listed below.

### 1. RC Number 1224

Add/update 507 edits to allow 8(A) awards as simplified acquisitions.

#### Description of Change

507 edits on Table 50 relating PPC CODES of PF and PS to CICA APPLICABILITY of 2, 3, and 4 need to be added/revised.

A list of these new/revised 507 edits is included below the test procedure.

#### Functional Impact

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

#### NOTICE:

Prior to executing the following test procedure, you must run the adhoc program CCR1224 to add records to Table 50. Sample JCL for this program is provided in Appendix E. After successfully executing the adhoc program and the following validation procedure in your PRODUCTION environment, delete the adhoc program.

Validation Procedures

- Use Option 8 (Tables) to view Table 50 (507 Fatal Error Edits). Randomly compare a few table entries with the listing provided after the validation procedures.
- Complete the validation tests listed below for each of the following processes:
  1. 4 - Contracts
    - 1 - Award
    - 1 - Add an Original Contract Award
  2. 4 - Contracts
    - 1 - Award
    - 2 - Update an Original Contract Award
  3. 3 - Purchase Orders
    - 1 - Award
    - 7 - Update 507 Data

- Verify that a Contract/PO cannot be entered with the following combinations of PPC CODE and CICA APPLICABILITY:

<u>PPC CODE</u>	<u>CICA</u>
PF	blank
PS	blank
PF	1
PS	1

- Verify that a Contract/PO can be entered and validated for each of the following combinations of PPC CODE and CICA APPLICABILITY:

<u>PPC CODE</u>	<u>CICA</u>
PF	2
PS	2
PF	3
PS	3
PF	4
PS	4

- Verify that each of the combinations listed above will validate with KIND OF ACTION = 27.
- Verify that, when PPC CODE = PF and CICA = 3, a Contract/PO will not validate unless the following four fields are all blank:
  - NUM-OFFERORS-SOLICITED
  - NUM-OFFERS-RECV
  - SOLICITATION-PROCEDURES
  - AUTHORITY-OTHER-THAN-OPEN

- Verify that, when PPC CODE = PS and CICA = 3, a Contract/PO will not validate unless the following four fields are all blank:  
NUM-OFFERORS-SOLICITED  
NUM-OFFERS-RECV  
SOLICITATION-PROCEDURES  
AUTHORITY-OTHER-THAN-OPEN
- Verify that, when PPC CODE = PF and CICA = 4, a Contract/PO will not validate unless NUM-OFFERS-RECV is completed and the following three fields are all blank:  
NUM-OFFERORS-SOLICITED  
SOLICITATION-PROCEDURES  
AUTHORITY-OTHER-THAN-OPEN
- Verify that, when PPC CODE = PS and CICA = 4, a Contract/PO will not validate unless NUM-OFFERS-RECV is completed and the following three fields are all blank:  
NUM-OFFERORS-SOLICITED  
SOLICITATION-PROCEDURES  
AUTHORITY-OTHER-THAN-OPEN
- Verify that, when PPC CODE = PF and CICA = 4, a Contract/PO will not validate unless COMMERCIAL-ITEM-ACQUISITION is 'Y'.
- Verify that, when PPC CODE = PS and CICA = 4, a Contract/PO will not validate unless COMMERCIAL-ITEM-ACQUISITION is 'Y'.
- Execute the Monthly FACS Submission option for a FACS Trial Run. Enter the Rec Reported Date. The default correction cutoff date may be used. Verify all programs executed successfully and any new documents or document changes are included in the report. (An actual FACS Submission may be run also to verify report results provided a FACS Recovery is run beforehand and the FACS dataset is not transmitted to HQ.) To perform the FACS Trial Run, select the following core menu options or run using your site unique JCL:  
7 - Reports  
2 - Monthly FACS Submission

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
CCR1224	Adhoc	PGM
QCA20	Contract Award Add Screen #1	PGM
QCA21	Contract Award Update Screen #1	PGM
QGM00	Session Initialization	PGM
QGR09	FACS Trial Run	PGM
QGR16	Create FACS Tape	PGM

The following listing was prepared to assist you in testing CCR1224. It contains all 507 edits that pertain to the PPC CODES of PF and PS. Pay special attention to the edits in bold. All edits are formatted as they appear in Table 50:

KEY	RESULT
14 2PF00	YSSBA 8(A) SET ASIDES
14 2PF15	R06R110103252627280708091011121314151617
14 2PF16	R01N0001
14 2PF16A	R02N00Y N
14 2PF17	O02N00L M
14 2PF18	R02O023 4 3 4
14 2PF21	R02N00Y N
14 2PF25	R03O03Y N U Y N U
14 2PF26	R11O1101020304050607080910120102030405060708091012
14 2PF27	R01O010101
14 2PF28	R01O010101
14 2PF29	R01O01K K
14 2PF30	B00B00
14 2PF31	R04N00N 1 3 4
14 2PF33	R02O02Y N Y N
14 2PF34	R01N00B
14 2PF35	R02N00Y N
14 2PF36	R02N00Y N
14 2PF37	R02O02Y N Y N
14 2PF38	R02N00Y N
14 2PF39	R03O03Y N W Y N W
14 2PF40	R01N00N
14 2PF41	R01N00N
14 2PF42	R02N00Y N
14 2PF43	R03O03N 2 3 N 2 3
14 2PF44	R02O02N Y N Y
14 2PF45A	R02B00Y N
14 2PF45B	R12B00A B C D E F G H J K L N
14 2PF75	O07B00A B C D E F N
14 2PS00	YSSBA 8(A)
14 2PS15	R06R110103252627280708091011121314151617
14 2PS16	R01N0001
14 2PS16A	R02N00Y N
14 2PS17	O02N00L M
14 2PS18	R02O025 6 5 6
14 2PS21	R02N00Y N
14 2PS25	R03O03Y N U Y N U
14 2PS26	R11O1101020304050607080910120102030405060708091012
14 2PS27	R01O010101
14 2PS28	R01O010101

14 2PS29	R01O01L L
14 2PS30	R01O01M M
14 2PS31	R04N00N 1 3 4
14 2PS33	R02O02Y N Y N
14 2PS34	R01N00B
14 2PS35	R02N00Y N
14 2PS36	R02N00Y N
14 2PS37	R02O02Y N Y N
14 2PS38	R02N00Y N
14 2PS39	R03O03Y N W Y N W
14 2PS40	R01N00N
14 2PS41	R01N00N
14 2PS42	R02N00Y N
14 2PS43	R03O03N 2 3 N 2 3
14 2PS44	R02O02N Y N Y
14 2PS45A	R02B00Y N
14 2PS45B	R12B00A B C D E F G H J K L N
14 2PS75	O07B00A B C D E F N
14 3PF00	YSSBA 8(A) SET ASIDES
14 3PF15	R06R110103252627280708091011121314151617
14 3PF16	R01N0001
14 3PF16A	R02N00Y N
14 3PF17	O02N00L M
14 3PF18	R02O023 4 3 4
14 3PF21	R02N00Y N
14 3PF25	R03O03Y N U Y N U
14 3PF26	R11O1101020304050607080910120102030405060708091012
14 3PF27	B00B00
14 3PF28	B00B00
14 3PF29	B00B00
14 3PF30	B00B00
14 3PF31	R04N00N 1 3 4
14 3PF33	R02O02Y N Y N
14 3PF34	R01N00B
14 3PF35	R02N00Y N
14 3PF36	R02N00Y N
14 3PF37	R02O02Y N Y N
14 3PF38	R02N00Y N
14 3PF39	R03O03Y N W Y N W
14 3PF40	R01N00N
14 3PF41	R01N00N
14 3PF42	R02N00Y N
14 3PF43	R03O03N 2 3 N 2 3
14 3PF44	R02O02N Y N Y
14 3PF45A	R02B00Y N
14 3PF45B	R12B00A B C D E F G H J K L N

14 3PF75	O07B00A B C D E F N
14 3PS00	YSSBA 8(A)
14 3PS15	R06R110103252627280708091011121314151617
14 3PS16	R01N0001
14 3PS16A	R02N00Y N
14 3PS17	O02N00L M
14 3PS18	R02O025 6 5 6
14 3PS21	R02N00Y N
14 3PS25	R03O03Y N U Y N U
14 3PS26	R11O1101020304050607080910120102030405060708091012
14 3PS27	B00B00
14 3PS28	B00B00
14 3PS29	B00B00
14 3PS30	B00B00
14 3PS31	R04N00N 1 3 4
14 3PS33	R02O02Y N Y N
14 3PS34	R01N00B
14 3PS35	R02N00Y N
14 3PS36	R02N00Y N
14 3PS37	R02O02Y N Y N
14 3PS38	R02N00Y N
14 3PS39	R03O03Y N W Y N W
14 3PS40	R01N00N
14 3PS41	R01N00N
14 3PS42	R02N00Y N
14 3PS43	R03O03N 2 3 N 2 3
14 3PS44	R02O02N Y N Y
14 3PS45A	R02B00Y N
14 3PS45B	R12B00A B C D E F G H J K L N
14 3PS75	O07B00A B C D E F N
14 4PF00	YSSBA 8(A) SET ASIDES
14 4PF15	R06R110103252627280708091011121314151617
14 4PF16	R01N0001
14 4PF16A	R02N00Y N
14 4PF17	O02N00L M
14 4PF18	R02O023 4 3 4
14 4PF21	R02N00Y N
14 4PF25	R03O03Y N U Y N U
14 4PF26	R11O1101020304050607080910120102030405060708091012
14 4PF27	B00B00
14 4PF28	R01O010101
14 4PF29	B00B00
14 4PF30	B00B00
14 4PF31	R04N00N 1 3 4
14 4PF33	R02O02Y N Y N
14 4PF34	R01N00B

14 4PF35	R02N00Y N
14 4PF36	R02N00Y N
14 4PF37	R02O02Y N Y N
14 4PF38	R02N00Y N
14 4PF39	R03O03Y N W Y N W
14 4PF40	R01N00N
14 4PF41	R01N00N
14 4PF42	R02N00Y N
14 4PF43	R03O03N 2 3 N 2 3
14 4PF44	R02O02N Y N Y
14 4PF45A	R01B00Y
14 4PF45B	R12B00A B C D E F G H J K L N
14 4PF75	O07B00A B C D E F N
14 4PS00	YSSBA 8(A)
14 4PS15	R06R110103252627280708091011121314151617
14 4PS16	R01N0001
14 4PS16A	R02N00Y N
14 4PS17	O02N00L M
14 4PS18	R02O025 6 5 6
14 4PS21	R02N00Y N
14 4PS25	R03O03Y N U Y N U
14 4PS26	R11O1101020304050607080910120102030405060708091012
14 4PS27	B00B00
14 4PS28	R01O010101
14 4PS29	B00B00
14 4PS30	B00B00
14 4PS31	R04N00N 1 3 4
14 4PS33	R02O02Y N Y N
14 4PS34	R01N00B
14 4PS35	R02N00Y N
14 4PS36	R02N00Y N
14 4PS37	R02O02Y N Y N
14 4PS38	R02N00Y N
14 4PS39	R03O03Y N W Y N W
14 4PS40	R01N00N
14 4PS41	R01N00N
14 4PS42	R02N00Y N
14 4PS43	R03O03N 2 3 N 2 3
14 4PS44	R02O02N Y N Y
14 4PS45A	R01B00Y
14 4PS45B	R12B00A B C D E F G H J K L N
14 4PS75	O07B00A B C D E F N



APPENDIX D  
INSTALLATION INSTRUCTIONS  
FOR AMS SOFTWARE RELEASE 6.1.1



# INSTALLATION INSTRUCTIONS AND CHECKLIST FOR AMS SOFTWARE RELEASE 6.1.1

## Introduction

### Release information:

System Name: AMS  
Release Number: 6.1.1  
Release Date: December 31, 1997  
Effective Date: December 31, 1997

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

- AIMS.AMS.PROD.REL611.REL1297.SRC
- AIMS.AMS.PROD.REL611.REL1297.DOC

In case of installation problems, contact the NACC Technical Services Center (Identify yourself as SESAAS & AMS.)

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

## 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 AMS files as a precautionary measure prior to installation.

## 2.0 Copy Source/Object Code

### 2.1 Copy Source Code

Load the AMS source library from dataset AIMS.AMS.PROD.REL611.REL1297.SRC. The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library LAMSPROD, 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	6
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
Total:	6

## 2.2 List of Source Code Modifications

The following are the modules added, modified and deleted.

### Added Modules:

There are no modules added in this release.

### Changed Modules:

1. QCA20	Contract Award Add Screen #1	Program
2. QCA21	Contract Award Update Screen #1	Program
3. QGM00	Session Initialization	Program
4. QGR09	FACS Trial Run	Program
5. QGR16	Create FACS Tape	Program

### Deleted Modules:

There are no modules deleted in this release.

The following program was created for this release:

1. CCR1224 Adhoc created to add/update 507 edits for PPC-CODEs of PF and PS as they relate to CICA-APPLICABILITY of 2, 3, and 4

(This program should be deleted after you successfully install this release in production.)

## 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 AMS or other named library. It is not necessary to catalog the Global Data Area. The SESAAS Batch standard parameters should be used for the compile.

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

## 6.0 Post-Predict Data Conversion

There is no post-Predict data conversion required.

## 7.0 Perform Release-Specific Procedures

There are no Release-Specific Procedures with this release.

## 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



APPENDIX E  
SAMPLE JOB CONTROL LANGUAGE FOR  
ADHOC PROGRAM IN RELEASE 6.1.1

SAMPLE JOB CONTROL LANGUAGE  
FOR ADHOC PROGRAM IN RELEASE 6.1.1

Sample JCL is listed for the adhoc in Release 6.1.1.

1. Adhoc CCR1224

```
***** ***** TOP OF DATA *****
000100 //CCR1224J   JOB (MSIRMAMS0004),AMS611,
000200 //                CLASS=D,MSGCLASS=A,
000300 //                NOTIFY=XXXXX
000400 //*****
000500 /*
000600 //ND01X       EXEC N01Z,PRM='IM=D,MT=99999'
000700 //CMPRINT   DD SYSOUT=*
000900 //CMSYNIN    DD *
001000 AMDEVL,XXXXX,XXXXX
001110 CCR1224
001200 FIN
001300 /*
001700 //
***** ***** BOTTOM OF DATA *****
```