

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

Release 7.3.0

PrISMS Contract

October 2000



National Aeronautics and  
Space Administration

**George C. Marshall Space Flight Center**  
Huntsville, AL 35812

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FOR THE  
ACQUISITION MANAGEMENT SYSTEM (AMS)  
RELEASE 7.3.0**

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HUNTSVILLE, ALABAMA

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Approved by

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
GEORGE C. MARSHALL SPACE FLIGHT CENTER  
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1.0 INTRODUCTION .....	1 - 1
1.1 IDENTIFICATION OF THE RELEASE .....	1 - 1
1.2 PURPOSE OF THE RELEASE .....	1 - 1
1.3 SCOPE .....	1 - 2
1.4 CONTACT POINTS .....	1 - 2
2.0 FUNCTIONAL INFORMATION.....	2 - 1
2.1 FUNCTIONAL CHANGES.....	2 - 1
2.2 FUNCTIONAL INTERFACES.....	2 - 1
2.3 CRITICAL ISSUES.....	2 - 1
2.4 AFFECTED DOCUMENTS .....	2 - 1
2.5 APPLICATION SYSTEM ADMINISTRATION .....	2 - 2
3.0 TECHNICAL INFORMATION .....	3 - 1
3.1 TECHNICAL SYSTEM INTERFACES .....	3 - 1
3.2 DATA DICTIONARY CHANGES.....	3 - 1
3.3 SOFTWARE OBJECT CHANGES.....	3 - 1
3.4 DATABASE ADMINISTRATION .....	3 - 1
3.4.1 RELEASE DATASET NAMES .....	3 - 1
3.4.2 INVENTORY OF OBJECTS.....	3 - 1
3.4.3 STORAGE CONSIDERATIONS .....	3 - 1
3.4.4 INSTALLATION PROCEDURES .....	3 - 1
3.5 OPERATIONAL PREPARATION.....	3 - 1
4.0 KNOWN AND OPEN PROBLEMS .....	4 - 1

## APPENDICES

<b>Appendix</b>	<b>Page</b>
A ABBREVIATIONS AND ACRONYMS .....	A - 1
B GLOSSARY .....	B - 1
C FUNCTIONAL CHANGE VALIDATION PROCEDURES .....	C - 1
D INSTALLATION INSTRUCTIONS.....	D - 1
E SAMPLE JOB CONTROL LANGUAGE .....	E - 1



## **1.0 INTRODUCTION**

This Version Description Document (VDD) describes the changes and installation procedures for Release 7.3.0 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 7.3.0 and has an effective release date of October 27, 2000.

This release must be implemented by November 27, 2000.

### **1.2 PURPOSE OF THE RELEASE**

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

**DR 1241** – If Contract had mod number 16, it is not shown in Cost History.

**DR 1242** – All delivery orders for one contract are not showing when using the Delivery Order Browse.

**RC 1252** – Additional FY 2001 Regulatory Changes to include the following:

- (1) The addition of the Multiple Award Contract Fair Opportunity field.
- (2) Addition of the Hubzone Small Business Concern, Hubzone Program Code and Veteran Owned Small Business Concern for small purchase orders.
- (3) A dataset will be produced that contains contracts and purchase orders that had the NAICS code selected during the online conversions when a one-to-many conversion existed between the SIC codes and NAICS codes. This information will be provided to NASA Headquarters for FACS.

### **1.3 SCOPE**

This VDD provides the functional and technical user of AMS with information regarding the contents, status, and structure of Release 7.3.0, including the following:

- Changes implemented since Release 7.2.0.
- 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: (256) 544-6673

Email: [charmaine.styles-oscarson@msfc.nasa.gov](mailto:charmaine.styles-oscarson@msfc.nasa.gov)

FAX: (256) 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**

This release should be implemented after the November 2000 FACS submission has been received by Headquarters.

The record length for the FACS history dataset and the FACS transmission dataset has been increased to 398 bytes. Any Job Control Language (JCL) referencing these datasets will need to be changed to reflect this increase. This includes JCL for the FACS Contract Lead Time Report, FACS Trial Run Submission, and the FACS Monthly Submission. See Appendix E for sample JCL.

The adhoc programs included in this release **must** be run in a specific order. Refer to Appendix D, Section 6, Post-Predict Data Conversion, for the order in which to run the adhoc programs.

The conversion program, CCR1252A, **must** run prior to the December 2000 FACS submission.

The program, CCR1252F, which generates a SIC code to NAICS code conversion dataset for NASA Headquarters, **must** run immediately after this

release is installed in production. Refer to Appendix D, Section 7, Release-Specific Procedures for additional run information.

#### **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**

Dictionary changes are detailed in Appendix D, Section 4.0.

#### **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 7.3.0 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
FACS	Financial and Contractual Status
FAX	Electronic Facsimile Transmission
JCL	Job Control Language
MSFC	Marshall Space Flight Center
NACC	NASA Automated Data Processing (ADP) Consolidation Center
NAICS	North American Industry Classification System
NASA	National Aeronautics and Space Administration
RC	Requirements Change
SESAAS	Sustaining Engineering Support for Agencywide Administrative Systems
SIC	Standard Industrial Classification
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.

<b>Section</b>	<b>CCR</b>	<b>Title</b>
1.0	1241	If Contract has Mod #16, it is not shown in Cost History.
2.0	1242	All Delivery Orders for one contract are not showing when using Delivery Order Browse.
3.0	1252	Regulatory Requirements Changes.

Details for the validation procedures are listed below.

### **1.0 Number 1241**

Modify the cost fee history screen for contracts to display all modification records for a contract including the modification 16 record.

#### **Description of Change**

The Contract Cost Fee History Screen was not displaying modification number 16 for a contract. The cost fee history screen will now display all contract modifications.

#### **Functional Impact**

All contract modifications will now display using the Contract Cost Fee History Screen.

#### **Validation Procedures**

- Verify the version number on the Banner Screen has been changed to 7.3.0.

#### **FROM**

Main Menu

Contract Menu

Contract Award Menu

#### **CHOOSE OPTION**

4

1

6

#### **Query Price/Cost**

1. Enter a contract number that has a mod 16.
2. Enter a 'C' in the OPTION field at the bottom of the screen for Cost/Fee History.
3. Press ENTER to display next contract mod.
4. Continue to press ENTER on the 'Browse Contract Cost/Fee History' screen until mod 16 is displayed.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
QGM00	SESSION INITIALIZATION	PGM
QCB80	COST TRACKING – FINANCIAL DATA	PGM

## 2.0 Number 1242

Modify the browse screen for delivery orders to display all modification records for a delivery order.

### Description of Change

The Delivery Order Browse Screen was displaying up to 14 modification records only for a delivery order. The browse screen will now display all delivery order modifications.

### Functional Impact

All delivery order modifications will now display using the Delivery Order Browse Screen.

### Validation Procedures

<u>FROM</u>	<u>CHOOSE OPTION</u>
Main Menu	4
Delivery Orders	5
Browse Delivery Order/ Delivery Order Mod	4
Delivery Order Sequence	1

## **Browse Delivery Order Sequence**

1. Use a contract delivery order with 16 or more mods. If one does not exist, create one using the Add a Delivery Order/ Delivery Order Mod option in the Contracts Delivery Order menu.
2. Verify that the title at the top of the screen reads "Delivery Order Browse by Delivery Order".
3. Verify that the Delivery Orders are sorted by Delivery Order.
4. Verify that all the contract mods appear on the browse screen in the order of Delivery Order Sequence. To advance the list, press ENTER key.
5. Enter '20' for the selection number. The following message should display at the top of the screen:

SELECT MUST BE '1' THRU '15'. PLEASE CORRECT.

6. Enter a valid selection number in the select field and confirm the associated Delivery Order is displayed.

<b><u>FROM</u></b>	<b><u>CHOOSE OPTION</u></b>
<b>Main Menu</b>	<b>4</b>
<b>Delivery Orders</b>	<b>5</b>
<b>Browse Delivery Order/ Delivery Order Mod</b>	<b>4</b>
<b>Award Date Sequence</b>	<b>2</b>

## **Browse By Award Date**

1. Use a contract delivery order with 16 or more mods. If one does not exist, create one using the Add a Delivery Order/ Delivery Order Mod option in the Contracts Delivery Order menu.
2. Verify that the title at the top of the screen reads "Delivery Order Browse by Award Date"
3. Verify that the Delivery Orders are sorted by Award Date.
4. Verify that all the Mods associated with the delivery order are accounted for on the Browse. Press the ENTER key to advance to screen and see more of the award date delivery.
5. Enter '20' for the selection number. The following message should display at the top of the screen:

SELECT MUST BE '1' THRU '15'. PLEASE CORRECT.

6. Enter a valid selection number in the select field and confirm the associated Delivery Order is displayed.

<u>FROM</u>	<u>CHOOSE OPTION</u>
Main Menu	4
Delivery Orders	5
Browse Delivery Order/ Delivery Order Mod	4
Administrator Code Sequence	3

### **Browse By Administrator Code Sequence**

1. Use a contract delivery order with 16 or more mods. If one does not exist, create one using the Add a Delivery Order/ Delivery Order Mod option in the Contracts Delivery Order menu.
2. Verify that the title at the top of the screen reads "Del Order Browse by Administrator Code"
3. Verify that the Delivery Orders are sorted by Administrator Code.
4. Verify that all the mods associated with the delivery order are accounted for on the Browse. Press the ENTER key to advance to screen and see more of the award date delivery.
5. Enter '20' for the selection number. The following message should display at the top of the screen:

SELECT MUST BE '1' THRU '15'. PLEASE CORRECT.

6. Enter a valid selection number in the select field and confirm the associated Delivery Order is displayed.

<u>FROM</u>	<u>CHOOSE OPTION</u>
Main Menu	4
Delivery Orders	5
Browse Delivery Order/ Delivery Order Mod	4
Required Delivery Date Sequence	4

### **Browse By Required Delivery Date Sequence**

1. Use a contract delivery order with 16 or more mods. If one does not exist create one using the Add a Delivery Order/ Delivery Order Mod option in the Contracts Delivery Order menu.
2. Verify that the title at the top of the screen reads "Del Order Browse by Required Del Date Sequence"
3. Verify that the Delivery Orders are sorted by Required Delivery Date Sequence.
4. Verify that all the mods associated with the delivery order are accounted for on the Browse. Press the ENTER key to advance to screen and see more of the mods.

5. Enter '20' for the selection number. The following message should display at the top of the screen:

SELECT MUST BE '1' THRU '15'. PLEASE CORRECT.

6. Enter a valid selection number in the select field and confirm the associated Delivery Order is displayed.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NADO04PB	BROWSE DELIVERY ORDERS	PGM

### **3.0 Number 1252**

Regulatory Requirements: (1) Addition of the Multiple Award Contract Fair Opportunity (MACFO) field. (2) Addition of the Hubzone Small Business Concern, Hubzone Program Code, and Veteran Owned Small Business Concern for small purchase orders. (3) A dataset will be provided to NASA Headquarters for FACS that contains records that had to have the NAICS codes selected during the online conversions for contracts and purchase orders when a one-to-many relationship existed between the SIC codes and NAICS codes respectively.

### **3.1 Regulatory Requirements**

#### **Description of Change**

Regulatory changes require the addition of one new field and the collection of existing fields for small purchase orders respectively as follows:

- Multiple Award Contract Fair Opportunity (MACFO-CODE)
- Hubzone Small Business Concern, Hubzone Program Code, and Veteran Owned Small Business Concern

#### **Functional Impact**

(1) AMS has been modified to collect and validate the new data element, MACFO code, to support the new regulations and reporting requirements for 507 reportable Purchase Order awards. This field was added to Page 3 of the 507 update/query functions. The business rules are as follows:

- Values can be Blank, A, B, C, D, E, F.
- If Kind of Action = 28, valid values are A, B, C, D, E.
- If Kind of Action = 23 or 24, value must be Blank.
- If Kind of Action is not 23, 24, or 28, value must be F.

(2) For small Purchase Order awards, AMS has been modified to collect Hubzone Small Business Concern, Hubzone Program Code, and Veteran Owned Small Business Concern to support the new regulations and reporting requirements. These fields were added to the screens for the add/update/query functions. For add and update processes, limited data validation will be performed. Since these records will not be reported, the 507 validation will not be invoked unless the Purchase Orders are marked accordingly.

The Hubzone Small Business Concern, Hubzone Program Code, and Veteran Owned Small Business Concern fields are required fields for adding and updating small Purchase Orders. The business rules are as follows:

- Hubzone Small Business Concern values can be Y or N only. A blank value is not permitted.
- Hubzone Program values are E only when Hubzone Small Business Concern value is N. A blank value is not permitted.
- Hubzone Program values are A, B, C, D, E only when Hubzone Small Business Concern value is Y. A blank value is not permitted.
- Veteran-Owned Small Business Concern values can be A, B, C only. A blank value is not permitted.

Because there is only one add function used for small and 507 reportable Purchase Orders, these business rules are initially applied to new reportable Purchase Orders. If the fields need to be blank because of the Purchase Order type (primarily determined by PPC), the update function for 507 data must be used to update these fields before validating the Purchase Order.

- (3) Each center will need to create a dataset containing contracts and purchase orders having SIC codes that converted to multiple NAICS codes during the batch conversion in the AMS 7.2.0 release. The dataset is to be created in batch and stored on the transient storage DASD volumes in order to allow NASA Headquarters to retrieve and process it. Refer to Appendix D, Section 7, Release-Specific Procedures.

## Validation Procedures

### 3.1.1 Multiple Award Contract Fair Opportunity (MACFO-CODE)

<u>FROM</u>	<u>CHOOSE OPTION</u>
Main Menu	3
Purchase Order Main Menu	1
Purchase Order Award Menu	2
Purchase Order Update	

1. Complete the required entries for Page 1 and Page 2 using a PPC of 'AL', KIND OF ACTION of '01' and CICA APPLICABILITY of '2'.
2. On Page 3, enter a 'D' in the OTHER PREFERENCE PROGRAM field, an 'N' in the HUBZONE SM BUS CNCRN field, an 'E' in the HUBZONE PROGRAM field, an 'F' in the SM DISADV BUS PROGRAM field and a 'C' in the

VETERAN OWNED SM BUS CNCRN field. Leave the HUBZONE PRICE EVAL PREF PCT field, the SDB PRICE EVAL ADJ PCT DIFF field and the MULT AWD CNTRCT FAIR OPPRTNTY field blank. Attempt to validate the purchase order.

3. The message displayed should be

ERR	FIELD NAME	507 NUM	ERROR	PAGE
1	MACFO CODE	77	MISSING	3

4. Enter 'P3' in the OPTION field. Press ENTER.  
 5. Enter an 'A' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order.

6. The message displayed should be

ERR	FIELD NAME	507 NUM	ERROR	PAGE
1	MACFO CODE	77	INVALID	3

7. Enter 'P3' in the OPTION field. Press ENTER.  
 8. Enter a 'B' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order.

9. The message displayed should be

ERR	FIELD NAME	507 NUM	ERROR	PAGE
1	MACFO CODE	77	INVALID	3

10. Enter 'P3' in the OPTION field. Press ENTER.  
 11. Enter a 'C' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order.

12. The message displayed should be

ERR	FIELD NAME	507 NUM	ERROR	PAGE
1	MACFO CODE	77	INVALID	3

13. Enter 'P3' in the OPTION field. Press ENTER.  
 14. Enter a 'D' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order.

15. The message displayed should be

ERR	FIELD NAME	507 NUM	ERROR	PAGE
1	MACFO CODE	77	INVALID	3

16. Enter 'P3' in the OPTION field. Press ENTER.  
 17. Enter a 'E' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order.

18. The message displayed should be

ERR	FIELD NAME	507 NUM	ERROR	PAGE
1	MACFO CODE	77	INVALID	3

19. Enter 'P3' in the OPTION field. Press ENTER.

20. Enter a 'F' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order. The purchase order should validate.

**FROM**

**CHOOSE OPTION**

**Main Menu**

**3**

**Purchase Order Main Menu**

**1**

**Purchase Order Award Menu**

**2**

**Purchase Order Update**

1. Complete the required entries for Page 1 and Page 2 using a PPC of 'PS', KIND OF ACTION of '28' and CICA APPLICABILITY of '2'.
2. On Page 3, enter a 'D' in the OTHER PREFERENCE PROGRAM field, an 'N' in the HUBZONE SM BUS CNCRN field, an 'E' in the HUBZONE PROGRAM field, an 'F' in the SM DISADV BUS PROGRAM field and a 'C' in the VETERAN OWNED SM BUS CNCRN field. Leave the HUBZONE PRICE EVAL PREF PCT field, the SDB PRICE EVAL ADJ PCT DIFF field and the MULT AWD CNTRCT FAIR OPPRTNTY field blank. Attempt to validate the purchase order.

3. The message displayed should be

ERR	FIELD NAME	507 NUM	ERROR	PAGE
1	MACFO CODE	77	MISSING	3

4. Enter 'P3' in the OPTION field. Press ENTER.
5. Enter an 'A' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order. The purchase order should validate.
6. Using the same Purchase Order above go to page three.
7. Enter a 'B' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order. The purchase order should validate.
8. Using the same Purchase Order above go to page three.
9. Enter a 'C' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order. The purchase order should validate.
10. Using the same Purchase Order above go to page three.
11. Enter a 'D' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order. The purchase order should validate.

12. Using the same Purchase Order above go to page three.
13. Enter a 'E' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order. The purchase order should validate.
14. Using the same Purchase Order above go to page three.
15. Enter a 'F' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order.
16. The message displayed should be

ERR	FIELD NAME	507 NUM	ERROR	PAGE
1	MACFO CODE	77	INVALID	3

<u>FROM</u>	<u>CHOOSE OPTION</u>
Main Menu	3
Purchase Order Main Menu	1
Purchase Order Award Menu	7
PO Award Update	

1. Complete the required entries for Page 1 and Page 2 using a PPC of 'AL', KIND OF ACTION of '01' and CICA APPLICABILITY of '2'.
2. On Page 3, enter a 'D' in the OTHER PREFERENCE PROGRAM field, an 'N' in the HUBZONE SM BUS CNCRN field, an 'E' in the HUBZONE PROGRAM field, an 'F' in the SM DISADV BUS PROGRAM field and a 'C' in the VETERAN OWNED SM BUS CNCRN field. Leave the HUBZONE PRICE EVAL PREF PCT field, the SDB PRICE EVAL ADJ PCT DIFF field and the MULT AWD CNTRCT FAIR OPPRTNTY field blank. Attempt to validate the purchase order.
3. The message displayed should be

ERR	FIELD NAME	507 NUM	ERROR	PAGE
1	MACFO CODE	77	MISSING	3

4. Enter 'P3' in the OPTION field. Press ENTER.
5. Enter an 'A' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order.
6. The message displayed should be

ERR	FIELD NAME	507 NUM	ERROR	PAGE
1	MACFO CODE	77	INVALID	3

7. Enter 'P3' in the OPTION field. Press ENTER.
8. Enter a 'B' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order.

9. The message displayed should be

ERR	FIELD NAME	507 NUM	ERROR	PAGE
1	MACFO CODE	77	INVALID	3

10. Enter 'P3' in the OPTION field. Press ENTER.

11. Enter a 'C' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order.

12. The message displayed should be

ERR	FIELD NAME	507 NUM	ERROR	PAGE
1	MACFO CODE	77	INVALID	3

13. Enter 'P3' in the OPTION field. Press ENTER.

14. Enter a 'D' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order.

15. The message displayed should be

ERR	FIELD NAME	507 NUM	ERROR	PAGE
1	MACFO CODE	77	INVALID	3

16. Enter 'P3' in the OPTION field. Press ENTER.

17. Enter a 'E' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order.

18. The message displayed should be

ERR	FIELD NAME	507 NUM	ERROR	PAGE
1	MACFO CODE	77	INVALID	3

19. Enter 'P3' in the OPTION field. Press ENTER.

20. Enter a 'F' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order. The purchase order should validate.

**FROM**

**Main Menu**

**Purchase Order Main Menu**

**Purchase Order Award Menu**

**PO Award Update**

**CHOOSE OPTION**

**3**

**1**

**7**

1. Complete the required entries for Page 1 and Page 2 using a PPC of 'PS', KIND OF ACTION of '28' and CICA APPLICABILITY of '2'.

2. On Page 3, enter a 'D' in the OTHER PREFERENCE PROGRAM field, an 'N' in the HUBZONE SM BUS CNCRN field, an 'E' in the HUBZONE PROGRAM field, an 'F' in the SM DISADV BUS PROGRAM field and a 'C' in the VETERAN OWNED SM BUS CNCRN field. Leave the HUBZONE PRICE EVAL PREF PCT field, the SDB PRICE EVAL ADJ PCT DIFF field and the MULT AWD CNTRCT FAIR OPPRTNTY field blank. Attempt to validate the purchase order.
3. The message displayed should be

ERR	FIELD NAME	507 NUM	ERROR	PAGE
1	MACFO CODE	77	MISSING	3

4. Enter 'P3' in the OPTION field. Press ENTER.
5. Enter an 'A' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order. The purchase order should validate.
6. Using the same Purchase Order above go to page three.
7. Enter a 'B' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order. The purchase order should validate.
8. Using the same Purchase Order above go to page three.
9. Enter a 'C' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order. The purchase order should validate.
10. Using the same Purchase Order above go to page three.
11. Enter a 'D' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order. The purchase order should validate.
12. Using the same Purchase Order above go to page three.
13. Enter a 'E' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order. The purchase order should validate.
14. Using the same Purchase Order above go to page three.
15. Enter a 'F' in the MULT AWD CNTRCT FAIR OPPRTNTY field. Attempt to validate the purchase order.
16. The message displayed should be

ERR	FIELD NAME	507 NUM	ERROR	PAGE
1	MACFO CODE	77	INVALID	3

The following list was prepared to assist with the testing for CCR1252. It contains all 507 edits pertaining to the MACFO field. These edits are formatted as they appear in Table 50.

KEY	RESULT
=====	=====
15 0177	R01N00F
15 0377	R01N00F
15 0577	R01N00F
15 0677	R01N00F
15 0777	R01N00F
15 0877	R01N00F
15 0977	R01N00F
15 1077	R01N00F
15 1177	R01N00F
15 1277	R01N00F
15 1377	R01N00F
15 1477	R01N00F
15 1577	R01N00F
15 1677	R01N00F
15 1777	R01N00F
15 2177	R01N00F
15 2377	B00N00
15 2477	B00N00
15 2577	R01N00F
15 2677	R01N00F
15 2777	R01N00F
15 2877	R05N00A B C D E

### 3.1.2 Addition of Hubzone Small Business Concern, Hubzone Program, and Veteran-Owned Small Business Concern to Small Purchase Orders.

<u>FROM</u>	<u>CHOOSE OPTION</u>
Main Menu	3
Purchase Order Main Menu	1
Purchase Order Award Menu	1

#### Purchase Order Add

1. Verify that the Screen Title reads Purchase Order Add.
2. Verify that the new fields, HUBZONE SML BUS CNCRN, HUBZONE PROGRAM and VETERAN OWNED SML BUS CNCRN have been added to the display screen.
3. Enter the fields to generate a new small Purchase Order.
4. Leave the HUBZONE SML BUS CNCRN field, the HUBZONE PROGRAM field, and the VETERAN OWNED SML BUS CNCRN field **BLANK**.
5. Press ENTER.
6. The following message should appear at the top of the screen and the cursor should return to the HUBZONE SML BUS CNCRN.

'INVALID FIELD VALUE'

7. Change the HUBZONE SML BUS CNCRN to 'Y'.
8. Press ENTER.
9. The following message should appear at the top of the screen and the cursor should return to the HUBZONE PROGRAM.

'INVALID FIELD VALUE'

10. Change the HUBZONE PROGRAM to 'E'.
11. Press ENTER.
12. The following message should appear at the top of the screen and the cursor should return to the VETERAN OWNED SML BUS CNCRN.

'INVALID FIELD VALUE'

13. Change the VETERAN OWNED SML BUS CNCRN to 'A'.
14. Press ENTER.

The record should be added.

<u>FROM</u>	<u>CHOOSE OPTION</u>
Main Menu	3
Purchase Order Main Menu	1
Purchase Order Award Menu	1

### Purchase Order Add

1. Verify that the Screen Title reads Purchase Order Add.
2. Verify that the new fields, HUBZONE SML BUS CNCRN, HUBZONE PROGRAM and VETERAN OWNED SML BUS CNCRN have been added to the display screen.
3. Enter the fields to generate a new small Purchase Order.
4. Leave the HUBZONE SML BUS CNCRN field, the HUBZONE PROGRAM field, and the VETERAN OWNED SML BUS CNCRN field **BLANK**.
5. Press ENTER.
6. The following message should appear at the top of the screen and the cursor should return to the HUBZONE SML BUS CNCRN.

'INVALID FIELD VALUE'

7. Change the HUBZONE SML BUS CNCRN to 'N'.
8. Press ENTER.
9. The following message should appear at the top of the screen and the cursor should return to the HUBZONE PROGRAM.

'INVALID FIELD VALUE'

10. Change the HUBZONE PROGRAM to 'A'.
11. Press ENTER.
12. The following message should appear at the top of the screen and the cursor should return to the VETERAN OWNED SML BUS CNCRN.

'INVALID FIELD VALUE'

13. Change the VETERAN OWNED SML BUS CNCRN to 'A'.
14. Press ENTER.
15. The following message should appear at the top of the screen and the cursor should return to the HUBZONE SML BUS CNCRN.

'INVALID USE OF HBZ SML BUS CNCRN IND AND HBZ PGM CODE'

16. Change the HUBZONE PROGRAM to 'E'.
17. Press ENTER.

The record should be added.

<u>FROM</u>	<u>CHOOSE OPTION</u>
Main Menu	3
Purchase Order Main Menu	1
Purchase Order Award Menu	2

### Purchase Order Update

1. Verify that the Screen Title reads Purchase Order Update.
2. Use an existing **small** Purchase Order.
3. Verify that the new fields HUBZONE SML BUS CNCRN, HUBZONE PROGRAM, and VETERAN OWNED SML BUS CNCRN have been added to the display screen.
4. Leave the HUBZONE SML BUS CNCRN, HUBZONE PROGRAM and the VETERAN OWNED SML BUS CNCRN fields **BLANK**.
5. Press ENTER.
6. The following error message should appear at the top of the screen.

'INVALID FIELD VALUE'

7. Change the HUBZONE SML BUS CNCRN field to 'Y'. Leave the HUBZONE PROGRAM field, and the VETERAN OWNED SML BUS CNCRN fields **BLANK**.
8. Press ENTER.
9. The following error message should appear at the top of the screen.

'INVALID FIELD VALUE'

10. Change the HUBZONE PROGRAM field to 'F'.
11. Press ENTER.
12. The following error message should appear at the top of the screen.

'INVALID FIELD VALUE'

13. Change the HUBZONE PROGRAM field to 'E' and VETERAN OWNED SML BUS CNCRN to 'C'.
14. Press ENTER.

The record should update.

15. Return to the Purchase Order menu by entering 'M' in the Option field.
16. Using the same Purchase Order above, enter '2' for the Purchase Order Update in the Option field.

17. Change the HUBZONE SML BUS CNCRN field to 'N' and leave HUBZONE PROGRAM, and VETERAN OWNED SML BUS CNCRN field **BLANK**.
18. Press ENTER.

19. The following error message should appear at the top of the screen.

'INVALID FIELD VALUE'

20. Change the HUBZONE PROGRAM field to 'A'. Leave the VETERAN OWNED SML BUSINESS CNCRN field **BLANK**.

21. Press **ENTER**.

22. The following error message should appear at the top of the screen.

'INVALID FIELD VALUE'

23. Change the VETERAN OWNED SML BUS CNCRN to 'C'.

24. The following error should appear at the top of the screen.

'INVALID USE OF HBZ SML BUS CNCRN IND AND HBZ PGM CODE'

25. Change the HUBZONE PROGRAM field to 'E'. Change the VETERAN OWNED SML BUS CNCRN field to **BLANK**.

26. The following message should appear at the top of the screen.

'INVALID FIELD VALUE'

27. Change the VETERAN OWNED SML BUS CNCRN to 'Z'.

28. The following message should appear at the top of the screen.

'INVALID FIELD VALUE'

29. Change the VETERAN OWNED SML BUS CNCRN IND field to 'C'.

30. Change the HUBZONE PROGRAM field to 'E'.

31. Press **ENTER**.

The record should update.

### 3.1.3 Table Changes

The table changes are as follows:

- Table AA (Master List of Tables) was changed to include the title for the new MACFO code table.
- Table 49 (Contract Field Names and Numbers for PPC Edits) was modified to add the MACFO code entry.
- Table 50 (507 Fatal Error Edits) was modified to add edits for MACFO. See listing of edits on page C-13.
- Table 68 – MACFO code table was created.

**Testing of Tables Functions:**

<b><u>FROM</u></b>	<b><u>CHOOSE OPTION</u></b>
<b>Main Menu</b>	<b>8</b>
<b>Tables System Menu</b>	<b>2</b>
<b>    with Table Number</b>	<b>AA</b>

1. Verify the entry for “QGA68T (68) MULTIPLE AWARD CONTRACT FAIR OPPORTUNITY” was added in the (AA) MASTERS LIST OF TABLES. The entry for “QGA68T” should be as follows:

KEY	RESULT
=====	=====
QGA68T	(68) MULTIPLE AWARD CONTRACT FAIR OPPORTUNITY KEY = MACFO-CODE(A1)

<b><u>FROM</u></b>	<b><u>CHOOSE OPTION</u></b>
<b>Main Menu</b>	<b>8</b>
<b>Tables System Menu</b>	<b>2</b>
<b>    with Table Number</b>	<b>49</b>

1. View Table 49 (Contract Field Names and Numbers). Verify that the entry for KEY = ‘77’ has the new entry for MACFO-CODE. The entry should appear as follows:

KEY	RESULT
=====	=====
77	MACFO -CODE                    03

<b><u>FROM</u></b>	<b><u>CHOOSE OPTION</u></b>
<b>Main Menu</b>	<b>8</b>
<b>Tables System Menu</b>	<b>2</b>
<b>    with Table Number</b>	<b>68</b>

1. Verify that the entries for “QGA68T” Table 68 (Multiple Award Contract Fair Opportunity) are correct. The table should be as follows:

KEY	RESULT
=====	=====
A	FAIR OPPORTUNITY PROCESS
B	URGENCY
C	ONE/UNIQUE SOURCE
D	FOLLOW-ON CONTRACT
E	MINIMUM GUARANTEE
F	NOT APPLICABLE

### 3.1.4 FACS Related Changes

#### Description of Change

The FACS dataset that is sent to Headquarters on a monthly basis will be restructured to add the new regulatory fields. These are as follows:

- Add a new field called Multiple Award Contract Fair Opportunity to the FACS History dataset and the FACS transmission dataset.

**\*\* IMPORTANT \*\***

**These changes will affect the overall record length increasing it from 397 to 398 in any Job Control Language referencing the FACS History file and the FACS transmission file. The following is an example of the new DCB statement:**

```
// DCB=(RECFM=FB,LRECL=398,BLKSIZE=3980)
```

#### Functional Impact

The record length of the FACS history dataset and the FACS transmission dataset was increased from 397 bytes to 398 bytes to allow the new fields to be included in the FACS submission to Headquarters. The new FACS layout is included below the validation procedures for the FACS process.

#### Validation Procedures

<u>FROM</u>	<u>CHOOSE OPTION</u>
Main Menu	7
General Reports Menu	3
FACS Tape Recovery	

Execute the FACS Recovery option in the **BATCH** environment to reset all flagged records from the last FACS run. The default dates on the screen may be used. Make a note of the Rec Reported Date as this will be used in subsequent steps. Verify the program executed successfully. To perform this task, select the core menu options or run using your site unique JCL.

<u>FROM</u>	<u>CHOOSE OPTION</u>
Main Menu	7
General Reports Menu	4
FACS Contract Lead Time Submission	

Execute the FACS Lead Time option. Enter the Rec Reported Date used in the previous step. The default correction cutoff date may be used or use the correction cutoff date from the last FACS run. Verify the program executed successfully. Compare the report to the report from the last FACS run. The results should be the same with the exception that the new fields should now be

reported. To perform this task, select the core menu options or run using your site unique JCL.

<u>FROM</u>	<u>CHOOSE OPTION</u>
Main Menu	7
General Reports Menu	2
FACS Dataset Submission	

Execute the Monthly FACS Submission option for a FACS Trial Run. Enter the Rec Reported Date used in the previous step. The default correction cutoff date may be used or use the correction cutoff date from the last FACS run. **Ensure the Trial Run option is chosen.** Verify all programs executed successfully. Compare the reports to the reports from the last FACS run. (The last report can be from actual FACS run.) The results should be the same with the exception that the new fields should now be reported. To perform this task, select the core menu options or run using your site unique JCL.

<u>FROM</u>	<u>CHOOSE OPTION</u>
Main Menu	7
General Reports Menu	2
FACS Dataset Submission	

Execute the Monthly FACS Submission option for an actual FACS run. (The dataset will not be sent to HQ unless you send it.) Enter the Rec Reported Date used in the previous step. The default correction cutoff date may be used or use the correction cutoff date from the last FACS run. **Ensure the Produce FACS Dataset option is chosen.** Verify all programs executed successfully. Compare the reports to the reports from the last FACS run. The results should be the same with the exception that the new fields should now be reported. To perform this task, select the core menu options or run using your site unique JCL.

The following listing was prepared to assist you in testing the FACS history dataset conversion (CCR1252A), the FACS Contract Lead Time Report, the FACS Trial Run Submission, and the FACS Monthly Submission. It details the new FACS file layout:

05	RECORD-TYPE	PICTURE X(2)	1-2
05	CONTRACT-NUM	PICTURE X(11)	3-13
05	MOD-NUM	PICTURE X(5)	14-18
05	AIN	PICTURE X(2)	19-20
05	ADD-DESCRIPTION	PICTURE X	21
05	NEW-OR-CORRECTION	PICTURE X	22
05	PIN	PICTURE X(2)	23-24
05	CIC	PICTURE X(7)	25-31
05	CONTRACTOR-NAME	PICTURE X(30)	32-61
05	CONTRACTOR-DIV	PICTURE X(20)	62-81
05	POP-CITY	PICTURE X(24)	82-105
05	POP-STATE	PICTURE X(2)	106-107
05	POP-ZIP-CODE	PICTURE X(9)	108-116
05	CONT-DT		
	07 CONTRACT-YR	PICTURE X(4)	117-120
	07 CONTRACT-MNTH	PICTURE X(2)	121-122
	07 CONTRACT-DAY	PICTURE X(2)	123-124
05	COMP-DT		
	07 COMPL-YR	PICTURE X(4)	125-128
	07 COMPL-MNTH	PICTURE X(2)	129-130
	07 COMPL-DAY	PICTURE X(2)	131-132
05	CLOSEOUT-DT		
	07 CLOSEOUT-YR	PICTURE X(4)	133-136
	07 CLOSEOUT-MNTH	PICTURE X(2)	137-138
	07 CLOSEOUT-DAY	PICTURE X(2)	139-140
05	PPC	PICTURE X(2)	141-142
05	KIND-ACTION	PICTURE X(2)	143-144
05	TYPE-CONTRACTOR	PICTURE X(2)	145-146
05	AWARD-OUTSIDE-US	PICTURE X	147
05	EXT-COMP	PICTURE X	148
05	EST-COST-OR-FIXED-PRICE	PICTURE S9(11)	149-159
05	TOTAL-FEE	PICTURE S9(11)	160-170
05	BAS-INCLUDING-OPTIONS	PICTURE S9(11)	171-181
05	VALUE-INCLUDING-OPTIONS	PICTURE S9(11)	182-192
05	TYPE-SERVICE-OR-PRODUCT	PICTURE X(4)	193-196
05	PHYSICAL-STATUS	PICTURE X	197
05	MOD-OBLIGATION	PICTURE S9(11)	198-208
05	BUNDLING-IND	PICTURE X	209
05	FSS-INDEF-DELIV-BOA	PICTURE X(15)	210-224
05	DESCRIPTION	PICTURE X(100)	225-324
05	CICA-APPLIC	PICTURE X	325

05 PROCUR-SYNOP	PICTURE X	326
05 TYPE-CONTRACT	PICTURE X(2)	327-328
05 NO-OF-OFFERS-SOLICITED	PICTURE X(3)	329-331
05 NO-OF-OFFERS-RECEIVED	PICTURE X(3)	332-334
05 COMP-SOLIC	PICTURE X	335
05 AUTH-FOR-OTHER	PICTURE X	336
05 SUBJ-LABOR-STATUTES	PICTURE X	337
05 NAICS-CODE	PICTURE X(6)	338-343
05 CONT-ADMIN-DELEG	PICTURE X	344
05 PREFERENCE-PROGRAM	PICTURE X	345
05 ADVISORY-ASSIST-SVC	PICTURE X	346
05 SUPPORT-CONTRACT	PICTURE X	347
05 COST-ACCTG-STD-CL	PICTURE X	348
05 NEW-TECH	PICTURE X	349
05 SUB-CONT-PGM-PLAN	PICTURE X	350
05 SBIR-AWARD	PICTURE X	351
05 WOMAN-OWNED	PICTURE X	352
05 FOREIGN-GOVT-ORG	PICTURE X	353
05 COST-PERFORM	PICTURE X	354
05 PROP-SPACE	PICTURE X	355
05 COMM-ACQUIS	PICTURE X	356
05 ETHNIC-GROUP	PICTURE X	357
05 PERFORM-BASED	PICTURE X	358
05 COUNTRY-OF-MANUF	PICTURE X(2)	359-360
05 STTR-AWARD	PICTURE X	361
05 DEMO-TEST-PROGRAM	PICTURE X	362
05 EMERGING-SMALL-BUS	PICTURE X	363
05 EMERG-SM-BUS-AWARD	PICTURE X	364
05 SMALL-BUS-SIZE	PICTURE X	365
05 BLANKET-DELEGATION	PICTURE X	366
05 POST-AWARD-AUDIT	PICTURE X	367
05 SECURITY	PICTURE X	368
05 COST-ACCT-STAND	PICTURE X	369
05 PROPERTY-ADMIN	PICTURE X	370
05 TRANSPORTATION	PICTURE X	371
05 QUALITY-ASSURANCE	PICTURE X	372
05 CONSENT-SUBCONTR	PICTURE X	373
05 CLOSEOUT	PICTURE X	374
05 ENG-PROD-SURVEIL	PICTURE X	375
05 OTHER	PICTURE X	376
05 VALUE-ENG	PICTURE X	377
05 LEAD-TIME	PICTURE 9(3)	378-380
05 MID-RANGE-PROC	PICTURE X	381
05 LEAD-TIME-2	PICTURE 9(3)	382-384
05 HBZ-SML-BUS-CNCRN-IND	PICTURE X	385
05 HBZ-PGM-CODE	PICTURE X	386

05 SDB-PGM-CODE	PICTURE X	387
05 HBZ-PRICE-EVAL-PREF-DIFF-PCT	PICTURE X(2)	388-389
05 SDB-PRICE-EVAL-ADJ-DIFF-PCT	PICTURE X(2)	390-391
05 VOSB-CNCRN-CODE	PICTURE X	392
05 MACFO-CODE	PICTURE X	393
05 SUBMISSION-DATE	PICTURE X(4)	394-397
05 FATAL-SWITCH	PICTURE X	398

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
CCR1252A	ADHOC – FACS HISTORY EXPANSION	PGM
CCR1252B	ADHOC – ADD MACFO TO PREDICT-AMS	PGM
CCR1252C	ADHOC - CREATES MACFO TABLE 68	PGM
CCR1252D	ADHOC - ADD MACFO TO TABLE 49	PGM
CCR1252E	ADHOC - ADD MACFO TABLE 50 EDITS	PGM
CCR1252F	CONTRACT/PO NAICS CODE CONVERSION DATASET CREATION	PGM
NAGR01PA	FACS LEAD TIME REPORT	PGM
QCA80	CONTRACT 507 EDIT DRIVER	PGM
QCA85	FORM 507 EDIT MODULE	PGM
QEMSA15	PO SHORT FORM ADD MAP	MAP
QEMSA15A	PO SHORT FORM ADD MAP	MAP
QEMSA16	PO SHORT FORM QUERY MAP	MAP
QEMSA17	PO SHORT FORM UPDATE MAP	MAP
QEMSA17A	PO SHORT FORM UPDATE MAP	MAP
QEMSA23	PO AWARD UPDATE PAGE 3 MAP	MAP
QEMSA23A	PO AWARD UPDATE PAGE 3 MAP	MAP
QEMSA28	PO AWARD QUERY PAGE 3 MAP	MAP
QENCA85	EXCEPTION EDIT SUBPROGRAM	SUBPROGRAM
QENGR14B	FACS REPORT; BUILD FACS RECORD	SUBPROGRAM
QENGR14C	FACS COMPARE HISTORY	SUBPROGRAM
QGR07	TRIAL FACS REPORT – CONTRACTS	PGM
QGR08	FACS TRIAL RUN – GRANTS	PGM
QGR09	FACS TRIAL RUN – PURCHASE ORDERS	PGM
QGR14	FACS REPORT – CONTRACTS	PGM
QGR15	CREATE FACS TAPE FOR POs	PGM
QGR16	CREATE FACS TAPE FOR GRANTS	PGM
QNA80	GRANT 507 EDIT DRIVER	PGM
QSA15	PO ADD (SHORT FORM)	PGM
QSA15L	LOCAL DATA AREA FOR QSA15	LDA
QSA16	PO QUERY (SHORT FORM)	PGM
QSA17	PO SHORT FORM UPDATE	PGM
QSA17L	LOCAL DATA AREA FOR QSA17	LDA
QSA23	PO AWARD UPDATE PAGE 3	PGM
QSA28	PO AWARD QUERY PAGE 3	PGM
QSA80	PO 507 EDIT DRIVER	PGM

**APPENDIX D**  
**INSTALLATION INSTRUCTIONS**  
**FOR AMS SOFTWARE RELEASE 7.3.0**

# INSTALLATION INSTRUCTIONS AND CHECKLIST FOR AMS SOFTWARE RELEASE 7.3.0

## Introduction

Release information:

System Name: AMS  
Release Number: 7.3.0  
Release Date: November 27, 2000  
Effective Date: October 27, 2000

This release must be implemented by November 27, 2000. The following datasets are located on the transient storage DASD volumes under the following data sets names:

- xxMOV.AMS.PROD.R730.R1000.DOC
- xxMOV.AMS.PROD.R730.R1000.PRD
- xxMOV.AMS.PROD.R730.R1000.SRC

Where "xx" is replaced by the appropriate NASA Center designation.

AR – ARC  
DF - DFRC  
GS - GSFC  
HQ - HQ  
J5 – JSC  
LA – LaRC  
LE – GRC (Glenn)  
KS – KSC  
MS – MSFC  
SS - SSC

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

Telephone: (256) 544-6673  
Email: [charmaine.styles-oscarson@msfc.nasa.gov](mailto:charmaine.styles-oscarson@msfc.nasa.gov)  
FAX: (256) 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 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 library from dataset xxMOV.AMS.PROD.R730.R1000.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:

<b>Natural Source Modules by type</b>	
GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	2
MAPS	8
HELP ROUTINES	0
SUBROUTINES	0
SUBPROGRAMS	3
PROGRAMS	25
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
<b>Total:</b>	<b>38</b>

### 2.2 List of Source Code Modifications

The following are the modules added, changed and deleted.

Added Modules: None

Changed Modules:

1. NADO04PB	Browse Delivery Orders	Program
2. NAGR01PA	FACS Lead Time Report	Program
3. QCA80	Contract 507 Edit Driver	Program
4. QCA85	Form 507 Edit Module	Program
5. QCB80	Cost Tracking – Financial Data	Program
6. QEMSA15	PO Short Form Add – Map 1	Map
7. QEMSA15A	PO Short Form Add – Map 2	Map
8. QEMSA16	PO Short Form Query – Map	Map
9. QEMSA17	PO Short Form Update – Map 1	Map
10. QEMSA17A	PO Short Form Update – Map 2	Map
11. QEMSA23	PO Award Update – Page 3 – Map 1	Map
12. QEMSA23A	PO Award Update – Page 3 – Map 2	Map
13. QEMSA28	PO Award Query – Page 3 – Map	Map
14. QENCA85	Exception Edit Subprogram	Subprogram

15. QENGR14B	FACS Compare History	Subprogram
16. QENGR14C	FACS Report; Build FACS Record	Subprogram
17. QGM00	Session Initialization	Program
18. QGR07	Trial FACS Report; Contract File	Program
19. QGR08	FACS Trial Run – Purchase Orders	Program
20. QGR09	FACS Trial Run – Grants	Program
21. QGR14	FACS Report; Contract File	Program
22. QGR15	Create FACS Tape for PO File	Program
23. QGR16	Create FACS Tape for Grant File	Program
24. QNA80	Grant 507 Edit Driver	Program
25. QSA15L	PO Short Form Add – Local Data Area	Local
26. QSA15	PO Short Form Add	Program
27. QSA16	PO Short Form Query	Program
28. QSA17	PO Short Form Update	Program
29. QSA17L	PO Short Form Update – Local Data Area	Local
30. QSA23	PO Award Update – Page 3	Program
31. QSA28	PO Award Query – Page 3	Program
32. QSA80	PO 507 Edit Driver	Program

Deleted Modules: None

The following programs were created specifically for this release:

1. CCR1252A FACS History Expansion.
2. CCR1252B Adds MACFO to the Predict-AMS File.
3. CCR1252C Builds the MACFO Table (Table 68).
4. CCR1252D Adds MACFO-CODE (Field 77) to Table 49.
5. CCR1252E Adds the edits for the MACFO-CODE (Field 77) to Table 50.
6. CCR1252F Contract/PO NAICS Code Conversion Dataset Creation

(These programs 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**

### **4.1 Data Dictionary Changes**

This release will include the new enhancements for version 7.3.0. 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 AMS-7.3.0.

Use SYSDICBE to load the PREDICT modifications from the dataset xxMOV.AMS.PROD.R730.R1000.PRD.

The following AMS DDM should be generated after the PREDICT load is completed.

PURCHASE-ORDER-FILE

#### **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 Object by Type:**

Keyword	-	1
Standard/Help files	-	1
ADABAS Files and Views	-	4

#### **4.1.2 Storage Considerations**

Not applicable with this release.

### 4.1.3 Physical File Changes

Add the following fields:

PURCHASE-ORDER-FILE		File # 204							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
	1	MACFO-CODE	A	1.0				CK	N

ADADBS NEWFIELD FILE=204  
ADADBS FNDEF='01,CK,1,A,NU'

### 5.0 Catalog Source Code

Run a batch job to catalog (CATALL) all AMS modules in the LAMSPROD or other named library. 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

Execute, in batch, the following adhoc in the order listed before performing any validation testing. See Appendix E for JCL examples.

CCR1252F (See section 7.0 Release-Specific Procedures below.)  
CCR1252B  
CCR1252C  
CCR1252D  
CCR1252E  
CCR1252A (Must be run prior to the December 2000 FACS submission.)

**(Remember to change the DCB for the new FACS history dataset to be created.)**

## 7.0 Release-Specific Procedures

The module, CCR1252F, will generate the dataset that NASA Headquarters needs for FACS. The dataset will contain the contracts and purchase orders that had to have NAICS codes manually selected during the AMS 7.2.0 release because the existing SIC codes for these records converted to multiple NAICS codes.

**CCR1252F must run immediately after this release is installed in production.** When it has completed and the dataset has been successfully created, please notify the following person at NASA Headquarters:

Thomas Kimm  
[tkimm@hq.nasa.gov](mailto:tkimm@hq.nasa.gov)  
703-442-5552

This program must execute in batch mode and store the dataset on the transient storage DASD. The dataset name must adhere to the following naming standard:

xxMOV.AMS.PROD.R730.NAICSCNV

The dataset will have a logical record length of 21 bytes. The record format must be fixed blocked. The layout of the dataset is as follows:

<u>FIELD</u>	<u>DATATYPE</u>	<u>LENGTH</u>
Document Number (contract or PO number)	Alphanumeric	11
SIC Code	Numeric	4
NAICS Code	Numeric	6

Refer to Appendix E for JCL examples. The JCL may need to be modified according to the environment for each site.

## 8.0 Local JCL Mods

The addition of the new field to the purchase order file will affect the record length of the FACS history dataset and the FACS transmission dataset, increasing it from 397 bytes to 398 bytes in any JCL referencing these datasets. See Appendix E for JCL examples.

## **9.0 Installation Checklist**

- 1.0 Back Up Existing Data
- 2.1 Copy Source Code
- 4.0 Install Predict
- 5.0 Catalog Source Code
- 6.0 Post-Predict Data Conversion
- 7.0 Release-Specific Procedures
- 8.0 Local JCL Mods



**APPENDIX E**  
**SAMPLE JOB CONTROL LANGUAGE FOR AMS**  
**RELEASE 7.3.0**

**SAMPLE JOB CONTROL LANGUAGE  
FOR ADHOC PROGRAMS IN RELEASE 7.3.0**

**Sample JCL is listed for the adhoc in Release 7.3.0.**

**1. JCL1**

For Program CCR1252A

```
***** ***** TOP OF DATA *****
000100 //CCR1252A JOB (MSIRMAMS0004),AMS730,
000200 // CLASS=D,MSGCLASS=A,
000300 // NOTIFY=XXXXX
000400 //*****
000500 /*
000600 //STEP01 EXEC N01Z,PRM='IM=D,MT=99999'
000700 //CMWKF01 DD DSN=MSIRM.AMS0DT.HIST507.FACS(0),DISP=SHR,
000800 // DCB=(RECFM=FB,LRECL=397,BLKSIZE=3970),
000900 // UNIT=SYSDA
001000 //CMWKF02 DD DSN=MSIRM.AMS0DT.HIST507.FACS(+1),
001100 // DISP=(NEW,CATLG,DELETE),
001200 // SPACE=(CYL,(13,9),RLSE),UNIT=SYSDA,
001300 // DCB=(RECFM=FB,LRECL=398,BLKSIZE=3980)
001400 //CMPRINT DD SYSOUT=@,DEST=XXXXX
001500 //CMSYNIN DD *
001600 AMDEVL,XXXXX,XXXXX
001700 CCR1252A
001800 FIN
001900 /*
002000 //
***** ***** BOTTOM OF DATA *****
```

**Remember to substitute the dataset names above with your site unique dataset names.**

**\*\*\*Be sure to change the DCB statement to reflect the increase in the record  
\*\*\*length of the FACS history file. This must also be changed on all other  
\*\*\* FACS related JCL.\*\*\***

## 2. JCL2

For Programs CCR 1252B through CCR1252E. Modify JCL accordingly for each program to be run.

```
***** ***** TOP OF DATA *****
000100 //CCR1252B   JOB (MSIRMAMS0004),AMS730,
000200 //           CLASS=D,MSGCLASS=A,
000300 //           NOTIFY=XXXXX
000400 //*****
000500 //*
000600 //STEP01     EXEC N01Z,PRM='IM=D,MT=99999'
000700 //CMPRINT   DD SYSOUT=@,DEST=XXXXX
000800 //CMSYNIN    DD *
000900 AMDEVL,XXXXX,XXXXX
001000 CCR1252B
001100 FIN
001200 /*
001300 //
***** ***** BOTTOM OF DATA *****
```

### 3. JCL3

For program CCR1252F. Modify JCL according to site environment.

```
***** ***** TOP OF DATA *****
000100 //CCR1252F JOB (MSIRMAMS0002),AMS730,
000200 //      CLASS=D,MSGCLASS=A,
000300 //      NOTIFY=XXXXX
000400 //*****
000500 //*
000600 //STEP01 EXEC N01Z,PRM='IM=D,MT=99999'
000700 //CMWKF01 DD DSN=xxMOV.AMS.PROD.R730.NAICSCNV,
000800 //      DISP=(NEW,CATLG,DELETE),
000900 //      SPACE=(CYL,(5,5),RLSE),UNIT=SYSDA,
001000 //      DCB=(RECFM=FB,LRECL=21,BLKSIZE=2100)
001100 //CMPRINT DD SYSOUT=(R),DEST=XXXXX
001200 //CMSYNIN DD *
001300 AMDEVL,XXXXX,XXXXX
001400 CCR1252F
001500 FIN
001600 /*
001700 //
***** ***** BOTTOM OF DATA *****
```