

VERSION DESCRIPTION DOCUMENT FOR THE ACQUISITION MANAGEMENT SYSTEM (AMS)

Release 9.0

UNITeS Contract

October 2004



National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, AL 35812

**VERSION DESCRIPTION DOCUMENT
FOR THE
ACQUISITION MANAGEMENT SYSTEM (AMS)
RELEASE 9.0**

Submitted by

Charmaine Styles-Oscarson
Technical Area Lead

Reviewed by

SAIC

Ahmad Abu-Alrub
Agencywide Procurement Systems

Jim Cofer
Configuration Management

Steve Rowell
Agencywide IRM

Richard Bishop
DBA

Prepared by

Unified NASA Information Technology Services (UNITeS)
Contract NNM04AA02C

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

October 2004

**VERSION DESCRIPTION DOCUMENT
FOR THE
ACQUISITION MANAGEMENT SYSTEM (AMS)
RELEASE 9.0**

Approved by

Marisa Wofford
Consolidation Center Project Manager

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

October 2004

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 - 3
2.5 APPLICATION SYSTEM ADMINISTRATION	2 - 3
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 - 2
3.5 OPERATIONAL PREPARATION	3 - 2
4.0 KNOWN AND OPEN PROBLEMS.....	4 - 1

APPENDICES

Appendix	Page
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
F PURCHASE ORDER REQUIREMENTS SPREADSHEET	F - 1
G RECALCULATE PRICE/EST COST DATA UTILITY USER'S GUIDE	G - 1
H WEB SERVICES INSTALLATION INSTRUCTIONS.....	H - 1

1.0 INTRODUCTION

This Version Description Document (VDD) describes the changes and installation procedures for Release 9.0 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 9.0 and has an effective release date of October 8, 2004.

This release must be implemented after Headquarters has received the September 2004 FACS submission and before any fiscal year 2005 processing can begin.

1.2 PURPOSE OF THE RELEASE

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

CCR 1345 – AMS Load from FPDS-NG.

Also included in this release are the CCRs that have been released since AMS Release 8.0:

CCR1342 – Implement 507 field requirements on HQ provided spreadsheet as specified for POs <= \$25K and FSS.

CCR1343 – Data not saved on Page 1 of Contracts because of IDV/Type Code/Website URL error message.

CCR1344 – Implement 507 field requirements on HQ provided spreadsheet as specified for Intragovernmentals.

CCR1346 – Receive error message when entering a micro-purchase of \$250 and a PPC of 'PC'. Added the capability for online reconciliation of 507 validation conflicts. Implement additional regulatory requirements for PO Modifications based on AMS Input spreadsheet changes.

CCR1347 – Regulatory changes made since Emergency Release #3.

CCR1348 – FACS record type for new Purchase Orders is blank.

1.3 SCOPE

This VDD provides the functional and technical user of AMS with information regarding the contents, status, and structure of Release 9.0, including the following:

- Changes implemented since Release 8.0.0.
- 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: 1-866-419-6297

Email: 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

Since the agency will be entering their procurement transactions directly into FPDS-NG, the monthly FACS submission (QGR14) will no longer be required. Records imported from FPDS-NG will not have to be validated.

When the agency begins using FPDS-NG, all vendor and place of performance data will be obtained from FPDS-NG. NASA Headquarters will no longer need to assign CIC numbers and download the CIC file to the Centers, eliminating the need for the Centers to maintain their own vendor data.

Please refer to Appendix C, Functional Change Validation Procedures, for a complete 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

The transition to direct regulatory reporting using FPDS-NG replaces the FACS interface to NASA Headquarters, and the NASA Procurement Management System (NPMS) Online Query tool.

2.3 CRITICAL ISSUES

2.3.1 FACS

This release must be implemented **after** Headquarters has received the September 2004 FACS submission and before any fiscal year 2005 processing can begin.

2.3.2 Adhoc from Emergency Release

There is an adhoc, CCR1341A, included in this release which was in the first AMS 8.0 emergency release that is not required for centers to run at this time. CCR1341 from the AMS 8.0 release corrected a problem henceforth in the AMS contract delivery order module. However, one center specifically requested a utility to correct existing record errors caused prior to CCR1341. This center will be performing alpha testing with the module. In the event your center does want to run the utility, here is a summary of what it will do. The utility updates the completion date, physical completion date, and the ultimate completion date on contract composite records with non-blank values based on the latest award date

of mod records that are not contract delivery order mod records. It then updates contract delivery order mod records with the composite record values. A JCL example is included in Appendix E.

2.3.2 PDWS Changes

JCL modifications will be necessary for your center's PDWS extract job. A core utility, LPDWSJCL, was developed for AMS Release 7.7.0 to load the PDWS JCL from a dataset into the AMS JCL tables Table 97 and Table 98. The dataset can be modified and reloaded into the AMS JCL tables as needed. See Appendix C, Validation Procedures for change details and Appendix D for the name of the dataset containing the PDWS JCL.

2.3.3 Total Value

FPDS-NG does not provide separate amounts for each of the following fields: Price/Est-Cost, Base Fee, Incentive Fee, and Award Fee. FPDS-NG only provides Base and Exercise Options Value which will be downloaded into the Total Value field in AMS.

Because of this Total Value will no longer be a calculated field. It will be a field users can enter. An adhoc program, CCR1345A, is provided to update the field (TOTAL-VALUE-AMT) on the AMS Dlvry Ord'r File and the AMS PO Dlvry Ord'r File. The adhoc program CCR1345F will update the field on the Contract File and the Purchase Order File during the data reload. If a user chooses to update one of the Fee fields or the Price/Est-Cost field without updating the Total Value field (or vice versa), it may cause the amount in the Total Value field to appear to be wrong. Users should be aware that the value in the Total Value field will no longer be dependent upon the Fees and Price/Est Cost fields. The combined total of the Fees and the Price/Est Cost may no longer be the amount in the Total Value field.

2.3.4 Reason Not Small Business

The Reason Not Small Business field is being changed from a numeric format, N2, to an alphanumeric format, A2, on the Contract file, the Purchase Order file, and the Grant file. Two adhoc programs are provided to convert the existing numeric values to alphanumeric values in these files. The first program, CCR1345E, **must be executed before any PREDICT file changes are made.** The second program, CCR1345F, **must be executed after PREDICT file changes are made.** Please refer to Appendix D for Installation Instructions and PREDICT changes.

2.3.5 Duns Number

The Duns Number field is being changed from a numeric format, N9, to an alphanumeric format, A13, on the Vendor file. This format change is necessary because the FPDS-NG field is defined as an alphanumeric and some of the values contain leading zeroes. Two adhoc programs are provided to convert the existing numeric values to alphanumeric values. The first program, CCR1345G, **must be executed before any PREDICT file changes are made.** The second program, CCR1345H, **must be executed after PREDICT file changes are made.** Please refer to Appendix D for Installation Instructions and PREDICT changes.

2.3.6 CIC Number

The CIC Number is being changed from a numeric format, N7, to an alphanumeric format, A13, on the Contract file, the Purchase Order file, the Grant file, the Vendor file, and the AMS CIC file. This format change is necessary because the DUNS Number from FPDS-NG will be stored as the CIC Number during the FPDS-NG data import into AMS. The adhoc programs, CCR1345E and CCR1345F will convert the existing numeric values to alphanumeric values on the Contract file, the Purchase Order file, and the Grant file. The adhoc programs, CCR1345G and CCR1345H will convert the existing numeric values to alphanumeric values on the Vendor file and the AMS CIC file.

2.3.7 PIN

The PIN is being added to the PR file and the PR X Reference file to support the integration and consolidation of NMO data with HQ data in HQ AMS.

2.3.8 Place of Performance Zip Code (POP Zip Code)

The POP Zip Code is being changed from a numeric format, N5 to A10 on the AMS CIC File. This format change is necessary because it will contain the Place of Performance Zip Code from FPDS-NG which is defined in the FPDS-NG database as A10. The adhoc programs, CCR1345G and CCR1345H will convert the existing numeric values to alphanumeric values on the AMS CIC file.

2.3.9 Miscellaneous

All adhoc programs must be run before executing any validation procedures. See Appendix D for installation instructions.

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

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

A new interface has been developed for this release to retrieve documents created and modified in FPDS-NG and import them into AMS. The interface entails an automatically scheduled process that will perform several web service calls to FPDS-NG to extract NASA procurement actions on a daily basis. The data will be parsed to separate it by center and written to data files that will be transferred to the Transient Storage Pool. Each Center will retrieve their data file and run a utility to import the data into their AMS database.

There are logical record length changes to numerous datasets for the PDWS interface. These are detailed under 2.3 Critical Issues and Appendix C, Validation Procedures for CCR 1345.

Maintenance and support for the FACS interface will no longer be required.

The NAIS NPMS Online Query tool will be removed from the NAIS system as a result of the discontinuation of FACS transmissions.

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 9.0 for detailed software installation procedures.

3.5 OPERATIONAL PREPARATION

***** Scheduling the FPDS-NG/AMS Import Job *****

The Web Service Calls to FPDS-NG will run on a nightly basis starting at 8:00 pm Central time. The FPDS-NG/AMS Import job should be scheduled to start at each center at least 90 minutes later in their time zone. See below for suggested start times.

Eastern: 10:30 pm
Central: 9:30 pm
Mountain: 8:30 pm
Pacific: 7:30 pm

The duration of the Web Service Calls will be monitored and should they take longer than 90 minutes, the schedule will have to be adjusted accordingly.

Refer to the procedure described in Appendix D for additional 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
FACS	Financial and Contractual Status
FPDS-NG	Federal Procurement Data System – New Generation
HQ	NASA Headquarters
JCL	Job Control Language
JPL	Jet Propulsion Laboratory
MSFC	Marshall Space Flight Center
NACC	NASA Automated Data Processing (ADP) Consolidation Center
NAIS	NASA Acquisition Internet Service
NASA	National Aeronautics and Space Administration
NMO	NASA Management Office-JPL
PDWS	Procurement Data Warehouse System
PIN	Procurement Installation Number
RC	Requirements Change
SAP	Systems, Applications, and Products in Data Processing
SESAAS	Sustaining Engineering Support for Agencywide Administrative Systems
TSP	Transient Storage Pool
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	1342	Implement 507 field requirements on HQ provided spreadsheet as specified for POs <= \$25K and FSS (Originally released as AMS 8.0 Emergency Release Fix #1)
	1343	Data not saved on Page 1 of Contracts because of IDV/Type Code/Website URL error message. (Originally released as AMS 8.0 Emergency Release Fix #1)
	1344	Implement 507 field requirements for HQ provided spreadsheet as specified for Intragovernmentals. (Originally released as AMS 8.0 Emergency Release Fix #2)
	1346	Receive error message when entering a micro-purchase of \$250 and a PPC of 'PC'. Added the capability for online reconciliation of 507 validation conflicts. Implement additional regulatory requirements for PO modifications based on AMS Input spreadsheet changes. (Originally released as AMS 8.0 Emergency Release Fix #3)
	1347	Regulatory changes made since Emergency Release #3. (Originally released as AMS 8.0 Emergency Release Fix #4)
2.0	1348	FACS Record Type for New Purchase Orders is Blank (Originally released as AMS 8.0 Emergency Release Fix #5)
3.0	1345	AMS Load from FPDS-NG

Details for the validation procedures are listed below.

1.0 Numbers 1342, 1343, 1344, 1346, 1347

Regulatory Changes

Description of Change

- The changes made for CCR 1342 and CCR1344 primarily address reporting requirements for small and large POs, Federal Supply Schedules (FSS), Blanket Purchase Agreements (BPA), Delivery Orders (DO) PO modifications, and micro purchases (POs <= \$2500.00).
- The changes made for CCR1343 now allow data entered on page 1 of a contract award to be saved even if there is a conflict between Type of IDV and Website URL.
- Changes made for CCR1346 address the following:
 1. Receive error message "Inconsistent PPC and Price/Est-Cost. Please correct PPC or Price/Est-Cost". Micropurchase PPCs ending in 'C' and a Price/Est-Cost <= \$2500 should not receive this error message.
 2. Added the capability for online reconciliation of 507 validation conflicts.
 3. All of the price/cost data for Purchase Orders will now be entered on the Price/Cost Update screen just as it is for Contracts with the exception of the price/estimated cost. The price/estimated cost can be entered when adding or updating a PO or it can be entered on the Price/Cost Update Screen. It is not required to be entered when adding or updating an award/modification. However, it is required for validating an award.
 4. The function for adding PO modifications was changed to pre-fill certain fields with values from the base award. These values may be changed or removed when adding or updating the modification. The fields are as follows:
 - Performance Based Contracting
 - Subcontract Prog Plan
 - Labor Statutes
 - Cont Foreign Govt/Intl Org
 - Equip Code
 - Funding Agency DODAAC Code
 - Funding Agency Code
 5. Percent Performance Based (#38) is now optional for PO Mods.
 6. Labor Statutes (#43) is optional for PO Mods.
 7. Subcontracting Program Plan (#52) is now optional for PO Mods.
 8. Contract for Foreign Gov't or International Organization (#55) is optional for PO Mods.
 9. Property Financial Reporting (# 57) is now optional for FSS/BPA/DO. The spreadsheet formerly had a ? in this row/column.
 10. Equipment Code (#68) is now optional for PO Mods.
 11. Funding Agency (#95) is now optional for PO Mods.
 12. Funding Agency DODAAC (#96) is now optional for PO Mods.

13. Funding Agency – Clinger-Cohen Act (#98) is now optional for FSS, Delivery Orders, and BPA Calls.
 14. Fee Paid for Use of IDV (# 120) is now optional for BPAs/DOs. This field is not applicable for FSS (PPC of AY, BY, FY, KY).
- Changes made for CCR1347 address the following:
1. Property Financial Reporting will be allowed to be blank for Delivery Orders.
 2. According to the spreadsheet, the Size of Small Business field (#63) is required to be filled if the Demonstration Test Program field is 'Y'. This field should not be required if Kind of Action is 27 and Lg-Sm Bus is 'L'.
 3. Number of Offers Received (#40) should not be required for a Large Purchase Order if the Kind of Action is 27 (Simplified Acquisition) and the CICA Applicability is 3.
 4. Solicitation Procedures (#41) should not be required for a Large Purchase Order if the Kind of Action is 27 (Simplified Acquisition). It should be required for all other Large Purchase Orders.
 5. The Total Oblig amount displayed in the Cumulative Purchase Order column on the Query Original Purchase Order Price/Cost Data screen was showing the Total Oblig amount for the Original Purchase Order.
 6. The Total Oblig amount was not displayed in the Current PO Mod column on the Query Purchase Order Mod Price/Cost Data screen.
 7. The Total Oblig amount was not displayed in the Cumulative Purchase Order column on the Update Composite Purchase Order Data screen.
 8. A utility, Recalculate Price/Est Cost Data, has been added to the System Administration Menu. Only users with System Admin privileges may use this function.

Functional Impact

Regulatory requirements have been implemented. Reporting requirements for Purchase Order fields depend upon the type of Purchase Order—Intragovernmental, FSS, Delivery Order, BPA, Small Purchase Order, or Large Purchase Order. See Appendix F for details.

A new utility has been added to the System Administration Menu that allows users with System Admin privileges to recalculate Price/Est Cost and Fee data.

Validation Procedures

1. Entry and Validation of Purchase Orders for CCR 1342, CCR 1344, and CCR 1346.

NASA Headquarters provided a spreadsheet identifying reporting requirements for purchase orders--Intragovernmentals, FSS, Delivery Orders, BPA Calls, large Purchase Orders, and small Purchase Orders. The changes for these requirements also impacted PO modifications. A copy of the spreadsheet is

included in Appendix F. Use it as a guideline for the following validation steps to verify that fields specified to be required have to be entered and fields specified to be optional are allowed to be blank or to be entered:

- a. Add a small PO verifying that fields specified to be required have to be entered and fields specified to be optional allow them to be blank or to be entered. Validate the PO to confirm there are no 507 errors generated.
- b. Update an existing small PO verifying that fields specified to be required have to be entered and fields specified to be optional allow them to be blank or to be entered. Validate the PO to confirm there are no 507 errors generated.
- c. Add a FSS/BPA/DO verifying that fields specified to be required have to be entered and fields specified to be optional allow them to be blank or to be entered. Validate the PO to confirm there are no 507 errors generated.
- d. Update an existing FSS/BPA/DO verifying that fields specified to be required have to be entered and fields specified to be optional allow them to be blank or to be entered. Validate the PO to confirm there are no 507 errors generated.
- e. Add an Intragovernmental verifying that fields specified to be required have to be entered and fields specified to be optional allow them to be blank or to be entered. Validate the PO to confirm there are no 507 errors generated.
- f. Update an existing Intragovernmental verifying that fields specified to be required have to be entered and fields specified to be optional allow them to be blank or to be entered. Validate the PO to confirm there are no 507 errors generated.
- g. Add a large PO verifying that fields specified to be required have to be entered and fields specified to be optional allow them to be blank or to be entered. Validate the PO to confirm there are no 507 errors generated.
- h. Update an existing large PO verifying that fields specified to be required have to be entered and fields specified to be optional allow them to be blank or to be entered. Validate the PO to confirm there are no 507 errors generated.
- i. Add or update a PO modification verifying that fields specified to be required have to be entered and fields specified to be optional allow them to be blank or to be entered. Validate the PO to confirm there are no 507 errors generated.

Micro purchases (POs <= \$2500.00) may be entered into AMS, but are no longer required to be validated and reported in the FACS transmission.

- a. Add a micro purchase entering all pertinent fields. After pressing enter to save the data, verify a message displays indicating the PO has been added and does not state it must be validated.
- b. Update an existing micro purchase. After pressing enter to save the data, verify a message displays indicating the PO has been updated and does not state it must be validated.
- c. Verify that a modification can be added to a micro purchase that has not been validated.

Add a PO modification for a PO award that had values entered for the fields listed below. Verify that the values for the award are correctly pre-filled for the new modification record. Remove or change the values in these fields. After the PO modification has been saved, query the modification to verify the new values were retained.

- Performance Based Contracting
- Subcontract Prog Plan
- Labor Statutes
- Cont Foreign Govt/Intl Org
- Equip Code
- Funding Agency DODAAC Code
- Funding Agency Code

CCR1342A updates the pertinent 507 edits on Table 50 to implement the FSS reporting requirements. The edit changes are listed below and formatted as they appear on Table 50:

KEY	RESULT
=====	=====
20 AY55	R02N00Y N
20 AY83	R01N00D
20 AY85	R01N00E
20 AY87	R01N00F
20 BY55	R02N00Y N
20 BY83	R01N00D
20 BY85	R01N00E
20 BY87	R01N00F
20 FY55	R02N00Y N
20 FY83	R04N00A B D E
20 FY85	R05N00A B C D E
20 FY87	R06N00A B C D E F
20 KY55	R02N00Y N
20 KY83	R04N00A B D E
20 KY85	R05N00A B C D E
20 KY87	R06N00A B C D E F

2. CCR 1343

When an A or F for Type of IDV was being entered on page 1 for a contract award, an error message would be generated if the Website URL on page 3 was

blank and any data entered on page 1 would not be saved. This required the user to go to page 3, enter the data into the Website URL field, return to page 1 and reenter the data so it could be saved. This process has changed so that the data on page 1 will be saved even if this condition exists. However, the contract should not validate until the condition is corrected.

Verify the contract will not validate until this condition is corrected by either entering the Website URL or changing the Type of IDV to a value other than A or F.

3. CCR 1347

Verify that the Property Financial Reporting field is optional on a Purchase Order with a Kind of Action of '25'.

- a. Verify that the Purchase Order validates when the Property Financial Reporting field is left blank.
- b. Verify that the Purchase Order validates when the Property Financial Reporting field is filled with a valid value.

Verify that the Size of Small Business field is not required to be filled with a valid value if the Demonstration Test Program field is equal to 'Y', the Kind of Action is '27', the PPC used is a PPC for a large business, and the Price/Est Cost is greater than \$25,000.

Verify that the Total Oblig amounts are now displayed correctly.

- a. Add a Purchase Order. Enter amounts in the Price/Est Cost field, the Cost Oblig field, and the Fee Oblig field on the Price/Cost Update screen.
- b. Add some mods to the Purchase Order. Enter amounts in the Price/Est Cost field, the Cost Oblig field, and the Fee Oblig field.
- c. View the following screens and verify that all amounts in all fields are correct:
 - Query Original Purchase Order Price/Cost Data
 - Query Purchase Order Mod Price/Cost Data
- d. View the Update Composite Purchase Order Data screen and verify that the Total Oblig amount is displayed in the Cumulative Purchase Order column.

A function, Recalculate Price/Est Cost Data, has been added to the System Administration Menu. A short user's guide is provided in Appendix G. Please use this to verify that this utility functions correctly.

4. 507 Edit Reconciliation

A new 507 administrative option has been created to allow reconciliation for conflicts between table edits, PPC edits, and field level cross edits that occur during 507 validation. This option is the 507 Edit Reconciliation option. It allows adjustments for all 507 fields for all document types. Core baseline settings have

already been established for the agency. Application administrators may use this option to adjust the settings for their centers in the event the tables used for validation are not synchronized with core tables.

To access this option from the Master Menu, choose Tables (Option #8), FACS Edit Tables Menu (Option #4), and 507 Edit Reconciliation (Option #1). Enter the 507 Form Field Number and press enter. The 507 Edit Reconciliation Screen will be displayed. Entering an 'X' or removing an existing 'X' beside a corresponding document type such as a large PO indicates that the 507 validation will be adjusted for the specified field. However, no changes should be made at this time. Any changes will alter current baseline settings.

5. FACS Verification

To ensure the purchase order records will be correctly reported to Headquarters, the FACS submission must be run. First, submit a trial run to determine the reporting results by reviewing the report that is generated and comparing it to the records and fields expected to be reported. Second, run the FACS monthly submission to perform the actual updates to the database. Do NOT transmit the dataset to Headquarters. Finally, review this report to determine if the records and fields expected to be reported are identified on the report because this is the final list that would be submitted to Headquarters.

<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 for the date the POs were created or changed. The default Correction Cutoff Date may be the same as the Rec Reported Date. Ensure the Trial Run option is chosen. Verify all programs executed successfully. Compare the FACS report to the records expected to be reported. The report should display only new validated base or mod records created or validated records that had changes made to the 507 data fields. 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 and Correction Cutoff Date used in the previous step. Ensure the Produce FACS Dataset option is chosen. Verify all programs executed successfully. The results should be the same as the results in the trial run executed above. The only

difference is that the records on the report will actually be updated in the database to indicate they have been reported. To perform this task, select the core menu options or run using your site unique JCL.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
CCR1341A	Adhoc	Program
CCR1341B	Parameter for Adhoc	Parameter
CCR1341C	Adhoc	Subprogram
CCR1341D	LDA for Adhoc	Local
CCR1342A	Adhoc	Program
CCR1344A	Adhoc	Program
CCR1344B	Adhoc	Program
CCR1344C	Adhoc	Program
CCR1344D	LDA for Adhoc	Local
NAXBOAPA	Browse Referenced Contract Number	Program
QCA21	Contract Award Update – Page 1	Program
QCA23	Contract Award Update – Page 3	Program
QCA25	Contract Award Update – Page 2	Program
QCA80	Contract 507 Edit Driver	Program
QCA85	Form 507 Edit Module	Program
QCA87	Contract 507 Edit Message Display	Program
QCA88	Table 507 Display for Error Help	Program
QCA89	PPC Edit Value Display for 507 Error Help	Program
QCB53	Update Contract Mod – Page 2	Program
QEMGU03	Map 1 for QGU03	Map
QEMGU03A	Map 2 for QGU03	Map
QEMSA15	Map 1 for QSA15	Map
QEMSA15A	Map 2 for QSA15	Map
QEMSA21	Map 1 for QSA21	Map
QEMSA21A	Map 2 for QSA21	Map
QEMSA22	Map for QSA22	Map
QEMSA23	Map 1 for QSA23	Map
QEMSA23A	Map 2 for QSA23	Map
QEMSA28	Map for QSA28	Map
QEMSB38	Map for QSB38	Map
QEMSB50	Map 1 for QSB50	Map
QEMSB50A	Map 2 for QSB50	Map
QEMSB51A	Map for QSB51	Map
QEMSB52	Map for QSB52	Map
QEMSB56	Map 1 for QSB56	Map
QEMSB56A	Map 2 for QSB56	Map
QEMSB57	Map for QSB57	Map
QEMSD01	Map 1 for QSD01	Map
QEMSD01A	Map 2 for QSD01	Map
QEMSD01B	Map 3 for QSD01	Map
QENCA85	Exception Edit Subprogram	Subprogram
QENGR14C	Build FACS Record	Subprogram
QENGR15E	FACS Compare Subroutine – Unique Field Compare for PO's >= \$25K	Subprogram
QENGR15F	FACS Build Record Subroutine	Subprogram
QGM00	Session Initialization	Program
QGR08	FACS Trial Run – Purchase Orders	Program
QGR08H	FACS Trial Run – Purchase Orders – History	Program
QGR09	Trial Run FACS for Grants	Program
QGR15	FACS Submission for Grants	Program

QGR15H	FACS Submission for Grants – History	Program
QGR16	Create FACS Tape for Grant File	Program
QGU00	System Administration Master Menu	Program
QGU03	Update Base and Composite Dollar Amounts	Program
QNFACSL	Local Data Area for FACS	Local
QPX01	PR to Document Cross Reference	Program
QSA00	PO Award Menu	Program
QSA15	PO Add	Program
QSA21	Purchase Order Update – Page 1	Program
QSA23	Large PO Award Update – Page 3	Program
QSA25	Purchase Order Update – Page 2	Program
QSA28	PO Award Query – Page 3	Program
QSA50	PO/PR Cross Reference Tracking Update	Program
QSA51	PO/PR Cross Reference Tracking Inquiry	Program
QSA61	PO File Browse By PO Number	Program
QSA62	PO File Browse By Organization Code	Program
QSA63	PO File Browse By Award Date	Program
QSA64	PO File Browse By Compl Date	Program
QSA65	PO File Browse By Kind of Action	Program
QSA67	PO File Browse By Administrator Code	Program
QSA68	PO File Browse By Required Delivery Date	Program
QSA80	PO 507 Edit Driver	Program
QSB00	PO Administration Menu	Program
QSB33	Cost Tracking – Financial Data for Basic Purchase Order Add	Program
QSB34	Cost Tracking – Financial Data for Basic Purchase Order Update	Program
QSB35	Cost Tracking – Financial Data for Purchase Order Modification Add or Update	Program
QSB37	Cost Tracking – Financial Data for Basic Purchase Order Inquiry	Program
QSB38	Cost Tracking – Financial Data for Purchase Order Modification Query	Program
QSB50	Large Purchase Order Mod Add – Page 1	Program
QSB51	Large Purchase Order Mod Update – Page 1	Program
QSB52	PO Modification Query	Program
QSB56	PO Modification Update – Page 2	Program
QSB57	PO Modification Query – Page 2	Program
QSD01	Update Purchase Order Composite Record	Program
QSFACSL	Local Data Area for FACS	Local
QSFACSP	Parameter Data for FACS	Parameter
QTM03	Form 507 Edit Table File Update Main Menu	Program
QTU49	Document Edit Field Name and Number Update	Program

2.0 Number 1348

FACS Record Type for New Purchase Orders is Blank.

Description of Change

This change involves modifying one of the PO FACS modules to generate a description indicator and a record type that is used to indicate a new reportable PO when FACS is transmitted and processed at NASA Headquarters.

The changes to the FACS module impact positions 21 and 22 of the FACS dataset that is transmitted to NASA HQ for new reportable PO awards and modifications. The HQ FACS import process requires an 'A' in position 21 and a 'N' in position 22 for all new reportable awards and modifications. These values are system generated when the centers submit their FACS jobs. Contracts and grants records already contained these values. However, these values were not being generated for POs. This change does not impact the format, size, or length of the dataset.

Functional Impact

These values will be generated for the PO records and will be correctly reported to Headquarters.

Validation Procedures

To ensure these values are being generated for the PO records and will be correctly reported to Headquarters, the FACS submission must be run. To prepare for the FACS submission, add and/or modify several contracts, POs, and grants in AMS. Then, run the Monthly FACS Submission either as a standalone job or online via the menu options listed below.

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

Enter the Rec Reported Date for the date the records were created or changed and the Correction Cutoff Date if the default date of the Rec Reported Date will not be used. Submit the job. When execution is complete, verify all programs executed successfully. In TSO, browse the dataset that was created as workfile 3 in the FACS JCL to verify that an 'A' appears in position 21 for each record in the dataset and a 'N' is in position 22 for new reportable PO awards and modifications. A 'N' or 'C' should also be in position 22 for each record in the dataset. A 'N' indicates a new award or modification, and a 'C' indicates a correction record.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
QENGR15F	FACS Build Record Subroutine	Subprogram

3.0 Number 1345

AMS Load from FPDS-NG.

Description of Change

For Fiscal Year 2005, all NASA Centers will use FPDS-NG directly to process their reportable procurement actions. To avoid re-entering of data into AMS, an interface was developed to extract the data from FPDS-NG via web service calls and written to datasets to be used by the centers to import into their AMS database. To facilitate this interface, several changes had to be made to the database. They are as follows:

- Change VID-NUM field attributes from A7 to A15 on Commodity File and Vendor File.
- Change CONTRACTOR-VID field attributes from A7 to A15 on Contract File and Purchase Order File.
- Change INSTITUTION-VID and ONR-VID field attributes from A7 to A15 on Grant File.
- Change DUNS-NUM field attributes from N9 to A13 on Vendor File.
- Change CIC-NUM field attributes from N7 to A13 on Vendor File, AMS CIC File, Contract File, Grant File, and Purchase Order File.
- Change Corporate-VID field attributes from A7 to A15 on Vendor File.
- Change DCAA-VID and DCAS-VID field attributes from A7 to A15 on Contract File and Purchase Order File.
- Increase the size of PROPOSAL-NUM from A14 to A18 on the Grant File.
- Add CNGRSNL-DISTRICT-CODE (A6) to the AMS CIC File.
- Change POP-ZIP-CODE field attributes from N5 to A10 on the AMS CIC File.
- Add DUNS-NUM (A13) to the AMS CIC File and make it a descriptor.
- Add INSTLTN-UNQ-TEXT (A9) to the Contract File, Grant File, and Purchase Order File, AMS Delivery Order File, and AMS PO Delivery Order File.
- Add CLOSEOUT-PR-IND (A1) to the PR X Reference file.

- Add FPDS-IMPORT-DATE (N8) to the AMS CIC File, AMS Delivery Order File, AMS PO Delivery Order File, Commodity File, Contract File, Purchase Order File, Grant File, PR File, PR X Reference File, and Vendor File.
- Add TOTAL-VALUE-AMT (N9.2) to the Purchase Order File and the AMS PO Delivery Order File.
- Add TOTAL-VALUE-AMT (N11.0) to the Contract File and the AMS Delivery Order File.
- Change REASON-NOT-SM-BUS from (N2) to (A2) on the Contract File, the Purchase Order File, and the Grant File.
- Add PIN (N2) to the PR File and PR X Reference file.

The Reason Not Small Business Code Table (Table 22) has five new entries. A conversion program is provided to convert the data in existing records from numeric to alpha.

A new field TOTAL-VALUE-AMT was added to the Contract File, the Purchase Order File, the Contract Delivery Order File and the PO Delivery Order File.

PDWS

- New fields were added to the PDWS extracts.
- Some existing fields were expanded in the PDWS extracts.
- Tildes will be removed from PDWS description and remark fields.
- The timestamp field was moved in some programs so that the timestamp field is the last field in the record out.

Due to the fields being added/expanded in the files, the PDWS JCL was modified. All new fields were added to the end of the file but before the time stamp. The 'before' and 'after' record lengths of the dataset are shown below.

	<u>LRECL</u> <u>BEFORE</u>	<u>LRECL</u> <u>AFTER</u>
CIC FILE		
put 'MSIRM. AMS0DT.CIC.DAT' cic.txt	155	196
put 'MSIRM. AMS0DT.CIC.CPOP' cpop.txt	155	169
COMMODITY FILE		
put 'MSIRM. AMS0DT.COMMOD.DAT' comm.txt	81	98
CONTRACTS		
put 'MSIRM.AMS0DT.CONTR.BASIC' conbas.txt	1799	1861
put 'MSIRM.AMS0DT.CONTR.COMP' concomp.txt	1799	1861
put 'MSIRM.AMS0DT.CONTR.MODS' conmod.txt	1799	1861

put 'MSIRM.AMS0DT.CONTR.DELIV' condelv.txt	107	116
put 'MSIRM.AMS0DT.CONTR.POP' conpop.txt	96	105
put 'MSIRM.AMS0DT.CONTR.CLOSE' conclus.txt	92	101
put 'MSIRM.AMS0DT.CONTR.REMAR' conrmrk.txt	107	116

CONTRACT DELIVERY ORDERS

put 'MSIRM.AMS0DT.DELORDER.DAT' delvryordr.txt	306	338
--	-----	-----

GRANTS

put 'MSIRM.AMS0DT.GRANT.BASIC' grntbas.txt	1119	1164
put 'MSIRM.AMS0DT.GRANT.COMP' grntcomp.txt	1119	1164
put 'MSIRM.AMS0DT.GRANT.MODS' grntmod.txt	1119	1164
put 'MSIRM.AMS0DT.SEMI.DATA' grnrptdates.txt	55	64
put 'MSIRM.AMS0DT.CNTR1356.DATA' contract1356.txt	1045	1080
put 'MSIRM.AMS0DT.GRANT.REMARK' grntrmrks.txt	107	116

PURCHASE ORDERS

put 'MSIRM.AMS0DT.PURORDER.BASIC' pobas.txt	1339	1402
put 'MSIRM.AMS0DT.PURORDER.COMP' pocomp.txt	1339	1402
put 'MSIRM.AMS0DT.PURORDER.MODS' pomod.txt	1339	1402
put 'MSIRM.AMS0DT.PURORDER.DELV' podelv.txt	108	117
put 'MSIRM.AMS0DT.PURORDER.OPT' pooption.txt	47	56

PURCHASE ORDER DELIVERY ORDERS

put 'MSIRM.AMS0DT.PURDLVRY.DAT' podlvry.txt	228	261
put 'MSIRM.AMS0DT.PURDLVRY.DESC' podesc.txt	89	98

PR FILE

put 'MSIRM.AMS0DT.PR.MASTER' pr.txt	369	384
put 'MSIRM.AMS0DT.PR-MILESTON' prmlstn.txt	68	83
put 'MSIRM.AMS0DT.PR.MILEXREF' prmlstnref.txt	58	73
put 'MSIRM.AMS0DT.PR.REMARKS' prremrks.txt	110	125
put 'MSIRM.AMS0DT.PR.DOC' prdoc.txt	59	74
put 'MSIRM.AMS0DT.PR.PROP' prpropcode.txt	52	67

PR CROSS REFERENCE

put 'MSIRM.AMS0DT.PRXREF.DATA' prxref.txt	76	93
---	----	----

VENDOR FILE

put 'MSIRM.AMS0DT.VENDOR.VDATA' vend.txt	504	539
put 'MSIRM.AMS0DT.VENDOR.TYPE' vendtypbus.txt	29	46

Functional Impact

Reportable procurement actions will no longer be entered into AMS first and later transmitted to HQ via the FACS transmission. Instead, NASA Centers will create their initial procurement actions in SAP. A batch interface for SAP will extract the procurement data and transmit it to FPDS-NG wherein draft documents will be created. Using FPDS-NG, the centers will complete the documents by entering other required data. The documents will be extracted from FPDS-NG and imported into AMS so that the information will not have to be

re-entered manually. This new functionality eliminates the requirement for running the monthly FACS submission.

Validation Procedures

BANNER SCREEN

1. Verify the version number on the Banner Screen has been changed to 9.0.

REASON NOT SMALL BUSINESS

1. Verify that Table 22 (REASON NOT SMALL BUS CODES) has 15 entries. They should be as follows:

KEY	RESULT
=====	=====
A	NO KNOWN SMALL BUSINESS SOURCE
B	SB NOT SOLICITED - THERE WAS A KNOWN SMALL BUSINESS SOURCE, BUT IT WAS NOT SOLICITED.
C	SB SOLICITED AND NO OFFER RECEIVED - SMALL BUSINESS WAS SOLICITED BUT IT DID NOT SUBMIT OFFER OR OFFER WAS NOT LOW
D	SB SOLICITED AND OFFER WAS NOT LOW - SMALL BUSINESS WAS NOT THE LOW OR MOST ADVANTAGEOUS OFFER OR A
Z	OTHER REASON - A SMALL BUSINESS DID NOT RECEIVE THE AWARD FOR ANY OTHER REASON.
01	NOT SOLICITED - NO KNOWN SMALL BUSINESS SOURCE
02	NOT SOLICITED - UNSOLICITED PROPOSAL
03	NOT SOLICITED - OTHER NONCOMPETITIVE AWARDS
04	NOT SOLICITED - OTHER
05	SOLICITED - BID NOT RECEIVED
06	SOLICITED - BID NOT LOW
07	SOLICITED - BID/PROPOSAL NOT RESPONSIVE
08	SOLICITED - PROPOSAL NOT ACCEPTED
09	SOLICITED - COMPANY NOT RESPONSIBLE
10	SOLICITED - OTHER

2. Verify that the Reason Not Small Business field in existing records was converted correctly. To do this, query each of the following types of records:
 - a. Purchase Order
 - b. Purchase Order Mod
 - c. Contract Award
 - d. Contract Mod
 - e. Grant

SAP/FPDS-NG/AMS Interface

1. Create procurement documents in SAP.

2. When SAP/FPDS-NG batch interface is run and the draft documents have been loaded into FPDS-NG, retrieve documents, enter all required data, and save/validate/approve document.
3. Notify SESAAS team that data is ready to be imported into AMS.
4. When notified that the datasets have been placed on the TSP, run the FPDSIMPO batch job to import the data into AMS. See Appendix E for FPDSIMPO JCL.
5. Verify that the records that were created in SAP and processed in FPDS-NG can be queried. Verify the accuracy of the data.
6. Verify that a PR record was created if +PR-REQUIRED-IND = 'Y'.
7. Verify that the PR DATE COMPLETED is updated for an existing PR if Closeout PR was checked in FPDS-NG for the award or IDV.
8. Verify the Vendor record was created for an award if the Vendor record did not already exist.

PDWS

To validate the changes made to PDWS, run the PDWS extract. A full load of AMS data must be submitted. Technical personnel will need to verify that the AMS data was loaded successfully into their center's PDWS database. Testing will need to be coordinated with the NAIS (NASA Acquisition Internet Service) team at Marshall Space Flight Center.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
CCR1345A	Adhoc to compute value for TOTAL-VALUE-AMT field	Program
CCR1345B	Adhoc to update Predict AMS table	Program
CCR1345C	Adhoc to add DUNS number to CIC and Vendor files	Program
CCR1345D	Adhoc to add values to Reason Not Small Business Codes Table	Program
CCR1345E	Adhoc to unload PO, Contract, and Grant files to flat files for Reason Not Small Business format change	Program
CCR1345F	Adhoc to reload PO, Contract, and Grant files from flat files for Reason Not Small Business format change	Program
CCR1345G	Adhoc to unload Vendor file to flat file for Duns Number format change	Program
CCR1345H	Adhoc to reload Vendor file from flat file for Duns Number format change	Program
COMMON	Global Data Area	Global
NACB50NA	Edit Checks for QCB50 and QCB51	Subprogram
NACB51LA	LDA for QCB51	Local
NACC01MA	Map for QCC20 and QCC22	Map
NACC22MA	Map for QCC22	Map
NADO01MB	Map 2 for NADO01PA	Map
NADO01NC	Edit Fields for Delivery Orders	Subprogram
NADO01PA	Add/Update Delivery Orders	Program
NADO02MB	Map 2 for NADO02PA	Map
NADO02PA	Add/Update Delivery Order Mods	Program
NADO03MA	Map 1 for NADO03PA	Map
NADO03MB	Map 2 for NADO03PA	Map
NADO03PA	Query Delivery Order	Program
NADO05MA	Map 1 for NADO05PA	Map
NADO05MC	Map 3 for NADO05PA	Map
NADO05PA	Price/Cost Update for Contract Delivery Orders	Program
NADO06PA	Query Price/Cost Contract Del Order/Mod	Program
NADO07MA	Map for NADO07PA	Map
NADO07PA	Query Composite Delivery Order	Program
NADO08PA	Delete Entire Delivery Order	Program
NADO09PA	Delete Delivery Order Modification	Program
NAQSC1MA	Map for NAQSC1PA	Map
NAQSC1PA	Quick Status – Document Query	Program
QAGXPDWS	AMS CIC File Extract	Program
QBC02	Commodity Records Add	Program
QBC03	Vendor/Commodities Delete	Program
QBC04	Vendor/Commodities Inquiry	Program

QBC05	Range of Commodity Records Add	Program
QBC07	Update Commodities	Program
QBCXPDWS	AMS Commodity File Extract	Program
QBLXPDWS	AMS Bid List File Extract	Program
QBR00	Batch Vendor/Commodity Reports Menu	Program
QBR33	List All Vendors with a Particular Commodity	Program
QBR34	List All Vendors with a Particular Commodity - 150 or More Records	Program
QBR37	Alphabetical Listing of Vendors	Program
QBR40	Complete CIC Listing	Program
QBR42	System Generated CPOP VID Report	Program
QBV01	Vendor Update Option Menu	Program
QBV02	Vendor Record Add	Program
QBV02M1	Map for QBV02	Map
QBV03	Vendor Record Update	Program
QBV03M1	Map for QBV03	Map
QBV04	Vendor Record Inquiry	Program
QBV05	Vendor Alpha Name Lookup	Program
QBV10	Vendor Delete	Program
QBV20	Vendor Record Add (Small Purchase)	Program
QBV21	Vendor Record Add (Small Purchase)	Program
QBV30	CPop Vendor Record Add	Program
QBV31	CPop Vendor Record Update	Program
QBV35	CIC Alphabetical Listing	Program
QBV36	CPop Alphabetical Listing	Program
QBV37	Store Last CPOP-VID in AMS-CIC-File for Automatic Generation of Next CPOP-VID	Program
QBV41	Batch Print of Previously Marked Vendors	Program
QBV42	Batch Purge of Previously Marked Vendors	Program
QBV90	Vendor Record Key Change	Program
QBVXPDWS	AMS Vendor File Extract	Program
QCA20	Contract Award Add Screen #1	Program
QCA21	Contract Award Update Screen #1	Program
QCA23	Contract Award Update – Page 3	Program
QCA25	Contract Award Update – Page 2	Program
QCA25L	Local Data Area for QCA25	Local
QCA28	Contract Award Query – Page 3	Program
QCA30	Contract Case (Form 1356) Processing Update	Program
QCA35	Contract Case (Form 1356) Processing Query	Program
QCB10	Contract Administration Update	Program
QCB15	Contract Administration Query	Program
QCB33	Cost Tracking – Financial Data for Basic Contract Add	Program
QCB34	Cost Tracking – Financial Data for Basic Contract Update	Program

QCB35	Cost Tracking – Financial Data for Contract Modification Add or Update	Program
QCB37	Cost Tracking – Financial Data for Basic Contract Inquiry	Program
QCB38	Cost Tracking – Financial Data for Contract Modification Query	Program
QCB50	Add Contract Mod – Page 1	Program
QCB51	Update Contract Mod	Program
QCB53	Update Contract Mod – Page 2	Program
QCB54	Contract Mod Query – Page 2	Program
QCB61	Contract Mod Deletion	Program
QCB71	Contract Cost Tracking Report	Program
QCB80	Cost Tracking – Financial Data for Contract Modification History Query	Program
QCD01	Update Contract Composite Record	Program
QCDJPDWS	AMS Contract Delivery Order File Extract For NMO/JPL Data	Program
QCDXPDWS	AMS Contract Delivery Order File Extract	Program
QCGJPDWS	AMS Contract File Extract for NMO/JPL Data	Program
QCGXPDWS	AMS Contract File Extract	Program
QCR14	Listing of Contracts Awarded by Award Date	Program
QCR17	Name Search of Vendor File	Program
QCR18	Additional Contract Information	Program
QCR19A	Contract Growth Report – Detail	Program
QCR19B	Contract Growth Report – Summary	Program
QEMBC02	Map 1 for QBC02	Map
QEMBC02B	Map 2 for QBC02	Map
QEMBC03	Map for QBC03	Map
QEMBC04	Map for QBC04	Map
QEMBC05	Map for QBC05	Map
QEMBC07A	Map 1 for QBC07	Map
QEMBC07B	Map 2 for QBC07	Map
QEMBV10A	Map 1 for QBV10	Map
QEMBV10E	Map 2 for QBV10	Map
QEMBV30	Map for QBV30	Map
QEMBV31	Map for QBV31	Map
QEMBV33	Map for QBV33	Map
QEMBV34A	Map for QBV34	Map
QEMC01	Map for QEWC01	Map
QEMCA20	Map 1 for QCA20	Map
QEMCA20A	Map 2 for QCA20	Map
QEMCA21	Map 1 for QCA21	Map
QEMCA21A	Map 2 for QCA21	Map
QEMCA22	Map for QCA22	Map
QEMCA23	Map 1 for QCA23	Map
QEMCA23A	Map 2 for QCA23	Map
QEMCA25	Map 1 for QCA25	Map
QEMCA25A	Map 2 for QCA25	Map

QEMCA25B	Map 3 for QCA25	Map
QEMCA27	Map for QCA27	Map
QEMCA28	Map for QCA28	Map
QEMCB33	Map for QCB33	Map
QEMCB34	Map for QCB34	Map
QEMCB35	Map for QCB35	Map
QEMCB37	Map for QCB37	Map
QEMCB38	Map for QCB38	Map
QEMCB51	Map 1 for QCB51	Map
QEMCB51A	Map 2 for QCB51	Map
QEMCB53	Map 1 for QCB53	Map
QEMCB53A	Map 2 for QCB53	Map
QEMCB54	Map for QCB54	Map
QEMCB80	Map for QCB80	Map
QEMCD01	Map 1 for QCD01	Map
QEMCD01A	Map 2 for QCD01	Map
QEMCD01B	Map 3 for QCD01	Map
QEMGU03A	Map 2 for QGU03	Map
QEMNA20	Map 1 for QNA20	Map
QEMNA20A	Map 2 for QNA20	Map
QEMNA21	Map 1 for QNA21	Map
QEMNA21A	Map 2 for QNA21	Map
QEMNA22	Map for QNA22	Map
QEMNB51	Map 1 for QNB51	Map
QEMNB51A	Map 2 for QNB51	Map
QEMNB52	Map for QNB52	Map
QEMPU01	Map for QPU01	Map
QEMSA15	Map 1 for QSA15	Map
QEMSA15A	Map 2 for QSA15	Map
QEMSA21	Map 1 for QSA21	Map
QEMSA21A	Map 2 for QSA21	Map
QEMSA22	Map for QSA22	Map
QEMSA23	Map 1 for QSA23	Map
QEMSA23A	Map 2 for QSA23	Map
QEMSA25	Map 1 for QSA25	Map
QEMSA25A	Map 2 for QSA25	Map
QEMSA27	Map for QSA27	Map
QEMSA28	Map for QSA28	Map
QEMSA40A	Map 1 for QSA40	Map
QEMSA40B	Map 2 for QSA40	Map
QEMSA42A	Map 1 for QSA42	Map
QEMSA42B	Map 2 for QSA42	Map
QEMSB33	Map for QSB33	Map
QEMSB34	Map for QSB34	Map
QEMSB35	Map for QSB35	Map
QEMSB50	Map 1 for QSB50	Map
QEMSB50A	Map 2 for QSB50	Map
QEMSB51A	Map for QSB51	Map
QEMSB52	Map for QSB52	Map

QEMSB56	Map 1 for QSB56	Map
QEMSB56A	Map 2 for QSB56	Map
QEMSB57	Map for QSB57	Map
QEMSB80	Map for QSB80	Map
QEMSD01	Map 1 for QSD01	Map
QEMSD01A	Map 2 for QSD01	Map
QEMSD01B	Map 3 for QSD01	Map
QENA25	Contract Update Validation Check	Subprogram
QENCN01	Composite Field Update (Grants)	Subprogram
QENCN02	Composite Field Update (Grants-Supp-Num)	Subprogram
QENCPDWS	Write Contract Work Files	Subprogram
QENNPDWS	Write Grant Work Files	Subprogram
QENSPDWS	Write Purchase Order Work Files	Subprogram
QEVACF	Local Data Area	Local
QEVVF	Local Data Area for QNR17	Local
QEWBV10B	Query Contract Award	Subprogram
QEWBV10C	Query Grant Award	Subprogram
QEWC01	Alphabetic Listing of CIC Table/CPOP Data	Subprogram
QGM00	Session Initialization	Program
QGRAFPDS	AMS Data Elements	Parameter
QGRBFPDS	Import Data Elements	Parameter
QGRCFPDS	FPDS Contract Function	Subprogram
QGRDFPDS	FPDS Import Driver	Program
QGREFPDS	FPDS Import Error Report	Program
QGRGFPDS	FPDS Grant Function	Subprogram
QGRLFPDS	FPDS Shared Variable Definitions	Local
QGRMFPDS	Import Mapping Function	Subprogram
QGRFPDWS	FPDS Purchase Order Function	Subprogram
QGRRFPDS	PR X-Ref Params	Parameter
QGRSFPDS	Shared Data Elements	Parameter
QGRVFPDS	FPDS Vendor Function	Subprogram
QGRXFPDS	FPDS PR-X-Ref Function	Subprogram
QGR1FPDS	FPDS Purchase Order Edits	Subprogram
QGR2FPDS	FPDS Contract Edits	Subprogram
QGR3FPDS	FPDS Grant Edits	Subprogram
QGR4FPDS	FPDS Write AMS Field Contents	Copycode
QGR5FPDS	FPDS Write FPDS-NG Field Contents	Copycode
QGU01	Update System Generated Flags and Dates	Program
QGU02	Change Document or Mod Number for a Contract, PO, or Grant	Program
QGU03	Update Base and Composite Dollar Amounts	Program
QNA20	Grant Award Add Screen	Program
QNA21	Grant Award Update Screen	Program
QNA22	Grant Award Query Screen	Program
QNA30	Grant Case (Form 1356) Processing Update	Program

QNA35	Grant Case (Form 1356) Processing Query	Program
QNB10	Grant Administration Update	Program
QNB15	Grant Administration Query	Program
QNB34	Cost Tracking – Financial Data for Basic Grant Update	Program
QNB50	Grant Supplement Addition	Program
QNB51	Grant Supplement Update	Program
QNB52	Grant Supplement Query	Program
QNB61	Grant Mod Deletion	Program
QNC20	Update Closeout Data for a Grant	Program
QND01	Update Grant Composite Record	Program
QNGJPDWS	AMS Grant File Extract for NMO/JPL Data	Program
QNGXPDWS	AMS Grant File Extract	Program
QNR17	Name Search of Vendor File	Program
QNR18	Additional Grant Information	Program
QPGJPDWS	AMS Purchase Request File Extract for NMO/JPL Data	Program
QPGXPDWS	AMS Purchase Request File Extract	Program
QPQ01	Query a PR Record	Program
QPU01	Update a PR Record	Program
QPXJPDWS	AMS PR X-Ref File Extract for NMO/JPL Data	Program
QPXXPDWS	AMS PR X-Ref File Extract	Program
QSA15	PO Add	Program
QSA15L	Local Data Area for QSA15	Local
QSA21	Purchase Order Update – Page 1	Program
QSA22	Large PO Award Query – Page 1	Program
QSA23	Purchase Order Update – Page 3	Program
QSA25	Purchase Order Update – Page 2	Program
QSA28	Purchase Order Query – Page 3	Program
QSB10	Purchase Order Administration Update	Program
QSB15	Purchase Order Administration Query	Program
QSB33	Cost Tracking – Financial Data for Basic Purchase Order Add	Program
QSB34	Cost Tracking – Financial Data for Basic Purchase Order Update	Program
QSB35	Cost Tracking – Financial Data for Purchase Order Modification Add or Update	Program
QSB37	Cost Tracking – Financial Data for Basic Purchase Order Inquiry	Program
QSB38	Cost Tracking – Financial Data for Purchase Order Modification Query	Program
QSB50	Large Purchase Order Mod Add – Page 1	Program
QSB51	Large PO Modification Update – Page 1	Program
QSB52	PO Modification Query	Program
QSB56	Update PO Mod – Page 2	Program
QSB57	PO Mod Query – Page 2	Program

QSB61	PO Mod Deletion	Program
QSB71	PO Cost Tracking Report	Program
QSB80	Cost Tracking – Financial Data for Purchase Order Modification History Query	Program
QSD01	Update Purchase Order Composite Record	Program
QSDJPDWS	AMS Purchase Order Delivery Order File Extract for NMO/JPL Data	Program
QSDO01MB	Map 2 for QSDO01PA	Map
QSDO01NC	Edit Fields for PO Delivery Orders	Subprogram
QSDO01PA	Add/Update PO Delivery Orders	Program
QSDO02MB	Map 2 for QSDO02PA	Map
QSDO02PA	Add/Update PO Delivery Order Mods	Program
QSDO03MA	Map 1 for QSDO03PA	Map
QSDO03MB	Map 2 for QSDO03PA	Map
QSDO03PA	Query PO Delivery Order	Program
QSDO05MA	Map 1 for QSDO05MA	Map
QSDO05MC	Map 3 for QSDO05MA	Map
QSDO05PA	Price/Cost Update for Purchase Order Delivery Orders	Program
QSDO06PA	Query Price/Cost Purchase Order Del Order/Mod	Program
QSDO07MA	Map for QSDO07PA	Map
QSDO07PA	Query Composite PO Delivery Order	Program
QSDO08PA	Delete Entire PO Delivery Order	Program
QSDO09PA	Delete PO Delivery Order Modification	Program
QSDXPDWS	AMS Purchase Order Delivery Order File Extract	Program
QSGJPDWS	AMS Purchase Order File Extract for NMO/JPL Data	Program
QSGXPDWS	AMS Purchase Order File Extract	Program
QSR12	Purchase Order by Specific Referenced Contract Number Online Report	Program
QSR13	Purchase Order by Specific Referenced Contract Number Batch Report	Program
QSR17	Alphabetic Search of Vendor File	Program
QSR18	Additional PO Information	Program

APPENDIX D
INSTALLATION INSTRUCTIONS
FOR AMS SOFTWARE RELEASE 9.0

INSTALLATION INSTRUCTIONS AND CHECKLIST FOR AMS SOFTWARE RELEASE 9.0

Introduction

Release information:

System Name: AMS
Release Number: 9.0
Release Date: October 8, 2004
Effective Date: October 15, 2004

The following dataset is located on the transient storage DASD volumes under the following data set name:

- xxMOV.AMS.PROD.R900.R1004.SRC
- xxMOV.AMS.PROD.R900.R1004.PRD
- xxMOV.AMS.PROD.R900.R1004.TBL049
- xxMOV.AMS.PROD.R900.R1004.PDWSJCL
- xxMOV.AMS.PROD.R900.R1004.CIC.DATA

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: 1-866-419-6297
Email: 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
- 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

2.1 Copy Source Code

Load the AMS library from dataset xxMOV.AMS.PROD.R900.R1004.SRC. Using NATLOAD, the programs will be loaded to the application library named LAMSPROD, replacing any existing programs of the same name. Verify the modules loaded (output from the batch NATLOAD job) against the VDD list of source code modifications.

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

Natural Source Modules by type	
GLOBAL DATA AREA	1
LOCAL/PARAM DATA AREA	16
MAPS	100
HELP ROUTINES	0
SUBROUTINES	0
SUBPROGRAMS	26
PROGRAMS	180
COPYCODE	2
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
Total:	325

2.2 List of Source Code Modifications

The following are the modules added, modified and deleted.

Added Modules:

1. QCDJPDWS	AMS Contract Delivery Order File Extract for NMO/JPL Data	Program
2. QCGJPDWS	AMS Contract File Extract for NMO/JPL Data	Program
3. QEMNB51	Map 1 for QNB51	Map
4. QGR08H	FACS Trial Run – PO's (For Historical Purposes Only)	Program
5. QGR15H	Create FACS Tape for PO File (For Historical Purposes Only)	Program
6. QGRAFPDS	AMS Data Elements	Parameter
7. QGRBFPDS	Import Data Elements	Parameter
8. QGRCFPDS	FPDS Contract Function	Subprogram
9. QGRDFPDS	FPDS Import Driver	Program
10. QGREFPDS	FPDS Import Error Report	Program
11. QGRGFPDS	FPDS Grant Function	Subprogram
12. QGRLEFPDS	FPDS Shared Variable Definitions	Local
13. QGRMFPDS	Import Mapping Function	Subprogram
14. QGRPFDPDS	FPDS Purchase Order Function	Subprogram
15. QGRRFPDS	PR X-Ref Parms	Parameter
16. QGRSFPDS	Shared Data Elements	Parameter
17. QGRVFPDS	FPDS Vendor Function	Subprogram
18. QGRXFPDS	FPDS PR-X-Ref Function	Subprogram
19. QGR1FPDS	FPDS Purchase Order Edits	Subprogram
20. QGR2FPDS	FPDS Contract Edits	Subprogram
21. QGR3FPDS	FPDS Grant Edits	Subprogram
22. QGR4FPDS	FPDS Write AMS Field Contents	Copycode
23. QGR5FPDS	FPDS Write FPDS-NG Field Contents	Copycode
24. QNGJPDWS	AMS Grant File Extract for NMO/JPL Data	Program
25. QPGJPDWS	AMS Purchase Request File Extract for NMO/JPL Data	Program
26. QPXJPDWS	AMS PR X-Ref File Extract for NMO/JPL Data	Program
27. QSDJPDWS	AMS Purchase Order Delivery Order File Extract for NMO/JPL Data	Program
28. QSGJPDWS	AMS Purchase Order File Extract for NMO/JPL Data	Program

Changed Modules:

1. COMMON	Global Data Area	Global
2. NACB50NA	Edit Checks for QCB50 and QCB51	Subprogram
3. NACB51LA	LDA for QCB51	Local
4. NACC01MA	Map for QCC20 and QCC22	Map
5. NACC22MA	Map for QCC22	Map
6. NADO01MB	Map 2 for NADO01PA	Map
7. NADO01NC	Edit Fields for Delivery Orders	Subprogram

8. NADO01PA	Add/Update Delivery Orders	Program
9. NADO02MB	Map 2 for NADO02PA	Map
10. NADO02PA	Add/Update Delivery Order Mods	Program
11. NADO03MA	Map 1 for NADO03PA	Map
12. NADO03MB	Map 2 for NADO03PA	Map
13. NADO03PA	Query Delivery Order	Program
14. NADO05MA	Map 1 for NADO05PA	Map
15. NADO05MC	Map 3 for NADO05PA	Map
16. NADO05PA	Price/Cost Update for Contract Delivery Orders	Program
17. NADO06PA	Query Price/Cost Contract Del Order/Mod	Program
18. NADO07MA	Map for NADO07PA	Map
19. NADO07PA	Query Composite Delivery Order	Program
20. NADO08PA	Delete Entire Delivery Order	Program
21. NADO09PA	Delete Delivery Order Modification	Program
22. NAQSC1MA	Map for NAQSC1PA	Map
23. NAQSC1PA	Quick Status – Document Query	Program
24. NAXBOAPA	Browse Referenced Contract Number	Program
25. QAGXPDWS	AMS CIC File Extract	Program
26. QBC02	Commodity Records Add	Program
27. QBC03	Vendor/Commodities Delete	Program
28. QBC04	Vendor/Commodities Inquiry	Program
29. QBC05	Range of Commodity Records Add	Program
30. QBC07	Update Commodities	Program
31. QBCXPDWS	AMS Commodity File Extract	Program
32. QBLXPDWS	AMS Bid List File Extract	Program
33. QBR00	Batch Vendor/Commodity Reports Menu	Program
34. QBR33	List All Vendors with a Particular Commodity	Program
35. QBR34	List All Vendors with a Particular Commodity - 150 or More Records	Program
36. QBR37	Alphabetical Listing of Vendors	Program
37. QBR40	Complete CIC Listing	Program
38. QBR42	System Generated CPOP VID Report	Program
39. QBV01	Vendor Update Option Menu	Program
40. QBV02	Vendor Record Add	Program
41. QBV02M1	Map for QBV02	Map
42. QBV03	Vendor Record Update	Program
43. QBV03M1	Map for QBV03	Map
44. QBV04	Vendor Record Inquiry	Program
45. QBV05	Vendor Alpha Name Lookup	Program
46. QBV10	Vendor Delete	Program
47. QBV20	Vendor Record Add (Small Purchase)	Program
48. QBV21	Vendor Record Add (Small Purchase)	Program
49. QBV30	CPop Vendor Record Add	Program
50. QBV31	CPop Vendor Record Update	Program
51. QBV35	CIC Alphabetical Listing	Program

52. QBV36	CPOP Alphabetical Listing	Program
53. QBV37	Store Last CPOP-VID in AMS-CIC-File for Automatic Generation of Next CPOP-VID	Program
54. QBV41	Batch Print of Previously Marked Vendors	Program
55. QBV42	Batch Purge of Previously Marked Vendors	Program
56. QBV90	Vendor Record Key Change	Program
57. QBVXPDWS	AMS Vendor File Extract	Program
58. QCA20	Contract Award Add Screen #1	Program
59. QCA21	Contract Award Update – Page 1	Program
60. QCA23	Contract Award Update – Page 3	Program
61. QCA25	Contract Award Update – Page 2	Program
62. QCA25L	Local Data Area for QCA25	Local
63. QCA28	Contract Award Query – Page 3	Program
64. QCA30	Contract Case (Form 1356) Processing Update	Program
65. QCA35	Contract Case (Form 1356) Processing Query	Program
66. QCA80	Contract 507 Edit Driver	Program
67. QCA85	Form 507 Edit Module	Program
68. QCA87	Contract 507 Edit Message Display	Program
69. QCA88	Table 507 Display for Error Help	Program
70. QCA89	PPC Edit Value Display for 507 Error Help	Program
71. QCB10	Contract Administration Update	Program
72. QCB15	Contract Administration Query	Program
73. QCB33	Cost Tracking – Financial Data for Basic Contract Add	Program
74. QCB34	Cost Tracking – Financial Data for Basic Contract Update	Program
75. QCB35	Cost Tracking – Financial Data for Contract Modification Add or Update	Program
76. QCB37	Cost Tracking – Financial Data for Basic Contract Inquiry	Program
77. QCB38	Cost Tracking – Financial Data for Contract Modification Query	Program
78. QCB50	Add Contract Mod – Page 1	Program
79. QCB51	Update Contract Mod	Program
80. QCB53	Update Contract Mod – Page 2	Program
81. QCB54	Contract Mod Query – Page 2	Program
82. QCB61	Contract Mod Deletion	Program
83. QCB71	Contract Cost Tracking Report	Program
84. QCB80	Cost Tracking – Financial Data for Contract Modification History Query	Program
85. QCD01	Update Contract Composite Record	Program
86. QCDXPDWS	AMS Contract Delivery Order File Extract	Program
87. QCGXPDWS	AMS Contract File Extract	Program
88. QCR14	Listing of Contracts Awarded by Award Date	Program
89. QCR17	Name Search of Vendor File	Program

90. QCR18	Additional Contract Information	Program
91. QCR19A	Contract Growth Report – Detail	Program
92. QCR19B	Contract Growth Report – Summary	Program
93. QEMBC02	Map 1 for QBC02	Map
94. QEMBC02B	Map 2 for QBC02	Map
95. QEMBC03	Map for QBC03	Map
96. QEMBC04	Map for QBC04	Map
97. QEMBC05	Map for QBC05	Map
98. QEMBC07A	Map 1 for QBC07	Map
99. QEMBC07B	Map 2 for QBC07	Map
100. QEMBV10A	Map 1 for QBV10	Map
101. QEMBV10E	Map 2 for QBV10	Map
102. QEMBV30	Map for QBV30	Map
103. QEMBV31	Map for QBV31	Map
104. QEMBV33	Map for QBV33	Map
105. QEMBV34A	Map for QBV34	Map
106. QEMC01	Map for QEWC01	Map
107. QEMCA20	Map 1 for QCA20	Map
108. QEMCA20A	Map 2 for QCA20	Map
109. QEMCA21	Map 1 for QCA21	Map
110. QEMCA21A	Map 2 for QCA21	Map
111. QEMCA22	Map for QCA22	Map
112. QEMCA23	Map 1 for QCA23	Map
113. QEMCA23A	Map 2 for QCA23	Map
114. QEMCA25	Map 1 for QCA25	Map
115. QEMCA25A	Map 2 for QCA25	Map
116. QEMCA25B	Map 3 for QCA25	Map
117. QEMCA27	Map for QCA27	Map
118. QEMCA28	Map for QCA28	Map
119. QEMCB33	Map for QCB33	Map
120. QEMCB34	Map for QCB34	Map
121. QEMCB35	Map for QCB35	Map
122. QEMCB37	Map for QCB37	Map
123. QEMCB38	Map for QCB38	Map
124. QEMCB51	Map 1 for QCB51	Map
125. QEMCB51A	Map 2 for QCB51	Map
126. QEMCB53	Map 1 for QCB53	Map
127. QEMCB53A	Map 2 for QCB53	Map
128. QEMCB54	Map for QCB54	Map
129. QEMCB80	Map for QCB80	Map
130. QEMCD01	Map 1 for QCD01	Map
131. QEMCD01A	Map 2 for QCD01	Map
132. QEMCD01B	Map 3 for QCD01	Map
133. QEMGU03	Map 1 for QGU03	Map
134. QEMGU03A	Map 2 for QGU03	Map
135. QEMNA20	Map 1 for QNA20	Map
136. QEMNA20A	Map 2 for QNA20	Map
137. QEMNA21	Map 1 for QNA21	Map

138. QEMNA21A	Map 2 for QNA21	Map
139. QEMNA22	Map for QNA22	Map
140. QEMNB51A	Map 2 for QNB51	Map
141. QEMNB52	Map for QNB52	Map
142. QEMPU01	Map for QPU01	Map
143. QEMSA15	Map 1 for QSA15	Map
144. QEMSA15A	Map 2 for QSA15	Map
145. QEMSA21	Map 1 for QSA21	Map
146. QEMSA21A	Map 2 for QSA21	Map
147. QEMSA22	Map for QSA22	Map
148. QEMSA23	Map 1 for QSA23	Map
149. QEMSA23A	Map 2 for QSA23	Map
150. QEMSA25	Map 1 for QSA25	Map
151. QEMSA25A	Map 2 for QSA25	Map
152. QEMSA27	Map for QSA27	Map
153. QEMSA28	Map for QSA28	Map
154. QEMSA40A	Map 1 for QSA40	Map
155. QEMSA40B	Map 2 for QSA40	Map
156. QEMSA42A	Map 1 for QSA42	Map
157. QEMSA42B	Map 2 for QSA42	Map
158. QEMSB33	Map for QSB33	Map
159. QEMSB34	Map for QSB34	Map
160. QEMSB35	Map for QSB35	Map
161. QEMSB38	Map for QSB38	Map
162. QEMSB50	Map 1 for QSB50	Map
163. QEMSB50A	Map 2 for QSB50	Map
164. QEMSB51A	Map for QSB51	Map
165. QEMSB52	Map for QSB52	Map
166. QEMSB56	Map 1 for QSB56	Map
167. QEMSB56A	Map 2 for QSB56	Map
168. QEMSB57	Map for QSB57	Map
169. QEMSB80	Map for QSB80	Map
170. QEMSD01	Map 1 for QSD01	Map
171. QEMSD01A	Map 2 for QSD01	Map
172. QEMSD01B	Map 3 for QSD01	Map
173. QENA25	Contract Update Validation Check	Subprogram
174. QENCA85	Exception Edit Subprogram	Subprogram
175. QENCN01	Composite Field Update (Grants)	Subprogram
176. QENCN02	Composite Field Update (Grants-Supp-Num)	Subprogram
177. QENCPDWS	Write Contract Work Files	Subprogram
178. QENGR14C	Build FACS Record	Subprogram
179. QENGR15E	FACS Compare Subroutine – Unique Field Compare for PO's >= \$25K	Subprogram
180. QENGR15F	FACS Build Record Subroutine	Subprogram
181. QENNPDWS	Write Grant Work Files	Subprogram
182. QENSPDWS	Write Purchase Order Work Files	Subprogram
183. QEVACF	Local Data Area	Local
184. QEVVF	Local Data Area for QNR17	Local
185. QEWBV10B	Query Contract Award	Subprogram
186. QEWBV10C	Query Grant Award	Subprogram

187. QEWC01	Alphabetic Listing of CIC Table/CPOP Data	Subprogram
188. QGM00	Session Initialization	Program
189. QGR08	FACS Trial Run – Purchase Orders	Program
190. QGR09	Trial Run FACS for Grants	Program
191. QGR15	FACS Submission for Grants	Program
192. QGR16	Create FACS Tape for Grant File	Program
193. QGU00	System Administration Master Menu	Program
194. QGU01	Update System Generated Flags and Dates	Program
195. QGU02	Change Document or Mod Number for a Contract, PO, or Grant	Program
196. QGU03	Update Base and Composite Dollar Amounts	Program
197. QNA20	Grant Award Add Screen	Program
198. QNA21	Grant Award Update Screen	Program
199. QNA22	Grant Award Query Screen	Program
200. QNA30	Grant Case (Form 1356) Processing Update	Program
201. QNA35	Grant Case (Form 1356) Processing Query	Program
202. QNB10	Grant Administration Update	Program
203. QNB15	Grant Administration Query	Program
204. QNB34	Cost Tracking – Financial Data for Basic Grant Update	Program
205. QNB50	Grant Supplement Addition	Program
206. QNB51	Grant Supplement Update	Program
207. QNB52	Grant Supplement Query	Program
208. QNB61	Grant Mod Deletion	Program
209. QNC20	Update Closeout Data for a Grant	Program
210. QND01	Update Grant Composite Record	Program
211. QNFACSL	Local Data Area for FACS	Local
212. QNGXPDWS	AMS Grant File Extract	Program
213. QNR17	Name Search of Vendor File	Program
214. QNR18	Additional Grant Information	Program
215. QPGXPDWS	AMS Purchase Request File Extract	Program
216. QPQ01	Query a PR Record	Program
217. QPU01	Update a PR Record	Program
218. QPXXPDWS	AMS PR X-Ref File Extract	Program
219. QPX01	PR to Document Cross Reference	Program
220. QSA00	PO Award Menu	Program
221. QSA15	PO Add	Program
222. QSA15L	Local Data Area for QSA15	Local
223. QSA21	Purchase Order Update – Page 1	Program
224. QSA22	Large PO Award Query – Page 1	Program
225. QSA23	Large PO Award Update – Page 3	Program
226. QSA25	Purchase Order Update – Page 2	Program
227. QSA28	PO Award Query – Page 3	Program
228. QSA50	PO/PR Cross Reference Tracking Update	Program
229. QSA51	PO/PR Cross Reference Tracking Inquiry	Program

230. QSA61	PO File Browse By PO Number	Program
231. QSA62	PO File Browse By Organization Code	Program
232. QSA63	PO File Browse By Award Date	Program
233. QSA64	PO File Browse By Compl Date	Program
234. QSA65	PO File Browse By Kind of Action	Program
235. QSA67	PO File Browse By Administrator Code	Program
236. QSA68	PO File Browse By Required Delivery Date	Program
237. QSA80	PO 507 Edit Driver	Program
238. QSB00	PO Administration Menu	Program
239. QSB10	Purchase Order Administration Update	Program
240. QSB15	Purchase Order Administration Query	Program
241. QSB33	Cost Tracking – Financial Data for Basic Purchase Order Add	Program
242. QSB34	Cost Tracking – Financial Data for Basic Purchase Order Update	Program
243. QSB35	Cost Tracking – Financial Data for Purchase Order Modification Add or Update	Program
244. QSB37	Cost Tracking – Financial Data for Basic Purchase Order Inquiry	Program
245. QSB38	Cost Tracking – Financial Data for Purchase Order Modification Query	Program
246. QSB50	Large Purchase Order Mod Add – Page 1	Program
247. QSB51	Large Purchase Order Mod Update – Page 1	Program
248. QSB52	PO Modification Query	Program
249. QSB56	PO Modification Update – Page 2	Program
250. QSB57	PO Modification Query – Page 2	Program
251. QSB61	PO Mod Deletion	Program
252. QSB71	PO Cost Tracking Report	Program
253. QSB80	Cost Tracking – Financial Data for Purchase Order Modification History Query	Program
254. QSD01	Update Purchase Order Composite Record	Program
255. QSDO01MB	Map 2 for QSDO01PA	Map
256. QSDO01NC	Edit Fields for PO Delivery Orders	Subprogram
257. QSDO01PA	Add/Update PO Delivery Orders	Program
258. QSDO02MB	Map 2 for QSDO02PA	Map
259. QSDO02PA	Add/Update PO Delivery Order Mods	Program
260. QSDO03MA	Map 1 for QSDO03PA	Map
261. QSDO03MB	Map 2 for QSDO03PA	Map
262. QSDO03PA	Query PO Delivery Order	Program
263. QSDO05MA	Map 1 for QSDO05MA	Map
264. QSDO05MC	Map 3 for QSDO05MA	Map
265. QSDO05PA	Price/Cost Update for Purchase Order Delivery Orders	Program
266. QSDO06PA	Query Price/Cost Purchase Order Del Order/Mod	Program
267. QSDO07MA	Map for QSDO07PA	Map

268. QSD007PA	Query Composite PO Delivery Order	Program
269. QSD008PA	Delete Entire PO Delivery Order	Program
270. QSD009PA	Delete PO Delivery Order Modification	Program
271. QSDXPDWS	AMS Purchase Order Delivery Order File Extract	Program
272. QSFACSL	Local Data Area for FACS	Local
273. QSFACSP	Parameter Data for FACS	Parameter
274. QSGXPDWS	AMS Purchase Order File Extract	Program
275. QSR12	Purchase Order by Specific Referenced Contract Number Online Report	Program
276. QSR13	Purchase Order by Specific Referenced Contract Number Batch Report	Program
277. QSR17	Alphabetic Search of Vendor File	Program
278. QSR18	Additional PO Information	Program
279. QTM03	Form 507 Edit Table File Update Main Menu	Program
280. QTU49	Document Edit Field Name and Number Update	Program

Deleted Modules:

There are no modules deleted in this release.

The following modules were created for the source fixes for Release 8.0:

(They should only be executed if they were not run when the source fixes for Release 8.0 were distributed.)

Please review Section 2.3 (Critical Issues) before executing CCR1341A.

1. CCR1341A	Adhoc to Correct Contract Delivery Order Records	Program
2. CCR1341B	Parameter for Adhoc CCR1341A	Parameter
3. CCR1341C	Subprogram for CCR1341A	Subprogram
4. CCR1341D	LDA for Adhoc CCR1341A	Local
5. CCR1342A	Adhoc to Update Table 50	Program
6. CCR1344A	Adhoc to Update Predict AMS Table	Program
7. CCR1344B	Adhoc to Unload Table 49 to a Flat File	Program
8. CCR1344C	Adhoc to Reload Table 49 from a Flat File	Program
9. CCR1344D	LDA for Adhocs CCR1344B & CCR1344C	Local

(These programs should be deleted after you successfully install the release in production.)

The following programs were created for this release:

1. CCR1345A	Adhoc to compute value for TOTAL-VALUE-AMT field
2. CCR1345B	Adhoc to update Predict AMS table
3. CCR1345C	Adhoc to add DUNS number to CIC and Vendor files
4. CCR1345D	Adhoc to add values to Reason Not Small Business Codes Table
5. CCR1345E	Adhoc to unload PO, Contract, and Grant files to flat files for format change for Reason Not Small Business Codes
6. CCR1345F	Adhoc to reload PO, Contract, and Grant files from flat files

- format change for Reason Not Small Business Codes
7. CCR1345G Adhoc to unload Vendor file to flat file for format change for Duns Number
 8. CCR1345H Adhoc to reload Vendor file to flat file for format change for Duns Number

(These programs should be deleted after you successfully install the release in production.)

3.0 Pre-Predict Data Conversion

Catalog and run the following programs: **(see important note below)**

- CCR1345E – Adhoc to unload PO, Contract, and Grant files to flat files for format change for Reason Not Small Business Codes and CIC Number.
- CCR1345G - Adhoc to unload Vendor file to flat file for format change for Duns Number and CIC Number. An unload of AMS CIC File is done for format change for CIC Number and POP Zip Code.

******* IMPORTANT NOTE *******

CCR1345E and CCR1345G must be cataloged against the AMS 8.0.0 version of Predict. Since an earlier Beta version of AMS 9.0.0 has been installed in many Test databases, AMS Predict will have to be restored to 8.0.0 at this time, for at least the following files: (remember to regenerate the DDMs)

**NA-STANDARD-1
210 AMS-CIC-FILE
202 CONTRACT-FILE
203 GRANT-FILE
204 PURCHASE-ORDER-FILE
207 VENDOR-FILE**

Also for RE-installation in Test databases. Remember to restore all AMS physical (data) files back to AMS 8.0.0 in your Test database.

Production databases should still be at version 8.0.0, and should not be a concern here.

******* END IMPORTANT NOTE *******

4.0 Install Predict

4.1 Data Dictionary Changes

This release includes the enhancements for version 9.0.0. 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-9.0.0.

Use SYSDICBE to load the PREDICT modifications from the dataset xxMOV.AMS.PROD.R900.R1004.PRD.

The following AMS Data Definition Modules (DDMs) must be generated after the PREDICT load is complete.

AMS-CIC-FILE
AMS-DLVRY-ORDR-FILE
AMS-PO-DLVRY-ORDR-FILE
AMS-SOLICIT-VENDOR-FILE
AMS-SOLICIT-VENDOR-VIEW
COMMODITY-FILE
CONTRACT-AWARD-VIEW
CONTRACT-BROWSE-VIEW
CONTRACT-CLOSEOUT-VIEW
CONTRACT-COMPOSITE-VIEW
CONTRACT-FILE
CONTRACT-FINANCIAL-VIEW
GRANT-AWARD-VIEW
GRANT-CLOSEOUT-VIEW
GRANT-COMPOSITE-VIEW
GRANT-FILE
GRANT-1356-DATA-VIEW
PR-FILE
PR-X-REFERENCE
PURCHASE-ORDER-COMPOSITE-VIEW
PURCHASE-ORDER-FILE
PURCHASE-ORDER-507-DATA-VIEW
VENDOR-FILE
VENDOR-SF129-VIEW

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
Standard Files	1
Conceptual Files	0
ADABAS Files and Views	41

4.1.2 Storage Considerations

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

4.1.3 Physical File Changes

After making sure the Pre-Predict Data Conversions have run successfully, the following files need to be rebuilt empty, based on the new file layouts defined in Predict.

- 210 AMS-CIC-FILE
- 202 CONTRACT-FILE
- 203 GRANT-FILE
- 204 PURCHASE-ORDER-FILE
- 207 VENDOR-FILE

*** The VENDOR-FILE must be UNCOUPLED from the COMMODITY-FILE before rebuilding the VENDOR-FILE.

Using the following commands:

```
//DDKARTE DD *
ADADBS UNCOUPLE FILES=207,208
/*
```

Use the ADABAS Utility commands listed below to build the JCL for the remaining file changes. Cut and paste the ADADBS control statements directly into the TSO ISPF editor. Call RICK BISHOP (256)544-5352 with any questions or problems.

Release the following Descriptors/Superdescriptors:

COMMODITY-FILE		File # 208					
Ty	L Field ID	F	Length	Occ	D	U	DB S
*- -	-----	*-	-----	-----	*	*	-- *
	1 VID-NUM	A	7.0		D		HA
SP	1 VID-NAICS-KEY	A	13.0		D		AB N
SP	1 VID-SIC-KEY	A	15.0		D		IA

Using the following commands:

```
//DDKARTE DD *  
ADADBS RELEASE FILE=208,DESCRIPTOR='HA'  
ADADBS RELEASE FILE=208,DESCRIPTOR='AB'  
ADADBS RELEASE FILE=208,DESCRIPTOR='IA'  
/*
```

Modify the length for the following field:

```
COMMODITY-FILE                               File # 208
Ty L Field ID                               F Length Occ D U DB S
*-- - - - - *-- - - - - *-- - - - - * * -- *
  1 VID-NUM                                 A   7.0   D   HA
changed to
  1 VID-NUM                                 A   15.0  D   HA
```

Using the following commands:

```
//DDKARTE DD *
ADADBS CHANGE FILE=208,FIELD=HA,LENGTH=15
/*
```

Add the following field:

```
COMMODITY-FILE                               File # 208
Ty L Field ID                               F Length Occ D U DB S
*-- - - - - *-- - - - - *-- - - - - * * -- *
  1 FPDS-IMPORT-DATE                       N   8.0   AC N
```

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=208
ADADBS FNDEF='01,AC,8,U,NU'
/*
```

Invert the following Descriptor:

```
COMMODITY-FILE                               File # 208
Ty L Field ID                               F Length Occ D U DB S
*-- - - - - *-- - - - - *-- - - - - * * -- *
  1 VID-NUM                                 A   15.0  D   HA
```

Using the following commands:

```
//DDKARTE DD *
ADAINV INVERT FILE=208
ADAINV TEMPSIZE=??,SORTSIZE=??
ADAINV FIELD='HA'
/*
```

Invert the following Superdescriptors:

COMMODITY-FILE		File # 208							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
SP	1	VID-NAICS-KEY	A	21.0		D		AB	N
SP	1	VID-SIC-KEY	A	23.0		D		IA	

Using the following commands:

```
//DDKARTE DD *
ADAINV INVERT FILE=208
ADAINV TEMPSIZE=??,SORTSIZE=??
ADAINV SUPDE='IA=HA(1,15),HK(1,8)'
ADAINV SUPDE='AB=HA(1,15),AA(1,6)'
/*
```

COUPLE the VENDOR-FILE and COMMODITY-FILE using the following commands:

```
//DDKARTE DD *
ADAINV COUPLE FILES=207,208
ADAINV DESCRIPTOR='AA,HA'
ADAINV TEMPSIZE=??,SORTSIZE=??
/*
```

Release the following Descriptors/Superdescriptors:

AMS-SOLICIT-VENDOR-FILE		File # 212							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
	1	VID-NUM	A	7.0		D		AB	N
SP	1	SYS-SOLICIT-VID-KEY	A	25.0		D		S1	N

Using the following commands:

```
//DDKARTE DD *
ADADBS RELEASE FILE=212,DESCRIPTOR='AB'
ADADBS RELEASE FILE=212,DESCRIPTOR='S1'
/*
```

Modify the length for the following field:

```
AMS-SOLICIT-VENDOR-FILE          File # 212
Ty L Field ID                      F Length  Occ   D U DB S
*-- - - - - - - - - - - - - - - *-- - - - - - - - - - * * -- *
      1 VID-NUM                      A      7.0      D   AB N
changed to
      1 VID-NUM                      A     15.0      D   AB N
```

Using the following commands:

```
//DDKARTE DD *
ADADBS CHANGE FILE=212,FIELD=AB,LENGTH=15
/*
```

Invert the following Descriptor:

```
AMS-SOLICIT-VENDOR-FILE          File # 212
Ty L Field ID                      F Length  Occ   D U DB S
*-- - - - - - - - - - - - - - - *-- - - - - - - - - - * * -- *
      1 VID-NUM                      A     15.0      D   AB N
```

Using the following commands:

```
//DDKARTE DD *
ADAINV INVERT FILE=212
ADAINV TEMPSIZE=??,SORTSIZE=??
ADAINV FIELD='AB'
/*
```

Invert the following Superdescriptor:

```
AMS-SOLICIT-VENDOR-FILE          File # 212
Ty L Field ID                      F Length  Occ   D U DB S
*-- - - - - - - - - - - - - - - *-- - - - - - - - - - * * -- *
SP 1 SYS-SOLICIT-VID-KEY          A     33.0      D   S1 N
```

Using the following commands:

```
//DDKARTE DD *
ADAINV INVERT FILE=212
ADAINV TEMPSIZE=??,SORTSIZE=??
ADAINV SUPDE='S1=AA(1,18),AB(1,15)'
/*
```

Add the following fields:

PR-FILE		File # 206							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
	1	FPDS-IMPORT-DATE	N	8.0				BN	N
	1	PIN	N	2.0				BO	N
	1	PR-ACNT-INSTLTN-NMBR	N	2.0				BP	N

Using the following commands:

```
//DDKARTE DD *  
ADADBS NEWFIELD FILE=206  
ADADBS FNDEF='01,BN,8,U,NU'  
ADADBS FNDEF='01,BO,2,U,NU'  
ADADBS FNDEF='01,BP,2,U,NU'  
/*
```

Add the following fields:

PR-X-REFERENCE		File # 209							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
	1	CLOSEOUT-PR-IND	A	1.0				AC	N
	1	FPDS-IMPORT-DATE	N	8.0				AD	N
	1	PIN	N	2.0				AE	N
	1	PR-ACNT-INSTLTN-NMBR	N	2.0				AF	N

Using the following commands:

```
//DDKARTE DD *  
ADADBS FNDEF='01,AC,1,A,NU'  
ADADBS FNDEF='01,AD,8,U,NU'  
ADADBS FNDEF='01,AE,2,U,NU'  
ADADBS FNDEF='01,AF,2,U,NU'  
/*
```

Add the following fields:

AMS-DLVRY-ORDR-FILE		File # 213				
Ty	L	Field ID	F	Length	Occ	D U DB S
1		FPDS-IMPORT-DATE	N	8.0		AF N
1		INSTLTN-UNQ-TEXT	A	9.0		BE N
1		TOTAL-VALUE-AMT	N	11.0		BF N

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=213
ADADBS FNDEF='01,AF,8,U,NU'
ADADBS FNDEF='01,BE,9,A,NU'
ADADBS FNDEF='01,BF,11,U,NU'
/*
```

Add the following fields:

AMS-PO-DLVRY-ORDR-FILE		File # 214				
Ty	L	Field ID	F	Length	Occ	D U DB S
1		FPDS-IMPORT-DATE	N	8.0		BE N
1		INSTLTN-UNQ-TEXT	A	9.0		BF N
1		TOTAL-VALUE-AMT	N	9.2		BG N

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=214
ADADBS FNDEF='01,BE,8,U,NU'
ADADBS FNDEF='01,BF,9,A,NU'
ADADBS FNDEF='01,BG,11,U,NU'
/*
```

5.0 Catalog Source Code

Run a batch job to catalog (CATALL) all AMS modules in the LAMSPROD or other named library. **The AMS GDA, named COMMON, will have to be recataloged.** The SESAAS Batch standard parameters should be used for the compile, with an **ESIZE=128**.

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

The following modules will not catalog, which is ok.

Program	Error Number	Error Line	
QENGR14C	0291	1425	
QENGR15F	0011	2410	
CCR1345E	0300	5090	(unload program from 3.0 Pre-Predict Data Conversion Step)
CCR1345G	0300	1400	(unload program from 3.0 Pre-Predict Data Conversion Step)
QAR01	0011	2470	
QAR02	0011	1360	
QGR09	0011	3105	
QGR16	0011	3880	
QSA17	0300	1788	
QSA18	0011	3280	
QSB58	0011	3270	

6.0 Post-Predict Data Conversion

Before performing any validation testing, execute the following programs in batch. See Appendix E for JCL examples.

- CCR1345F – Adhoc to reload PO, Contract, and Grant files from flat files for format change for Reason Not Small Business Codes and CIC Number. It also computes value for TOTAL-VALUE-AMT field on the PO and Contract files.
- CCR1345H – Adhoc to reload Vendor file from flat file for format change for Duns Number and CIC Number. It also reloads the AMS CIC File for format change for CIC Number and POP Zip Code.
- CCR1345A – Adhoc to compute value for TOTAL-VALUE-AMT field on the AMS Delivery Order File and the AMS PO Delivery Order File.
- CCR1345B – Adhoc to update Predict AMS table.
- CCR1345C – Adhoc to add DUNS number to AMS CIC File and Vendor File.
- CCR1345D – Adhoc to add values to Reason Not Small Business Codes Table.
- CCR1345I - Adhoc to compute the Obligations for all base awards and Modifications for POs and contracts. Then, the obligation amounts for the PO and contract composite records are updated with the total of obligation amounts for base and mod records.
- LPDWSJCL - Loads PDWS JCL to Table 97 and Table 98. (Before submitting, please read release-specific procedures below.)

The following programs should only be executed if they were not run when the source fixes for Release 8.0 were distributed:

- CCR1341A – Adhoc to correct Contract Delivery Order records (Please review Section 2.3, Critical Issues, before executing CCR1341A)

- CCR1342A – Adhoc to update Table 50
- CCR1344A – Adhoc to update Predict AMS table
- CCR1344B – Adhoc to unload Table 49 to a flat file
- CCR1344C – Adhoc to reload Table 49 from a flat file

7.0 Release-Specific Procedures

LPDWSJCL is a reusable job and will attempt to delete these members before adding them to the tables. The input file (xxMOV.AMS.PROD.R900.R1004.PDWSJCL) will have to be modified to fit each site's currently running PDWS JCL. Use the NAIS production server name, files, user-ids, and passwords currently being used in the batch PDWS JCL at each site to replace the generic names in the input file. The top part of the input file (down to the EOH card) contains the PDWSSTND header, which will become a member of the QGA97T Table. **DO NOT REMOVE THE EOH CARD!!!** The bottom part of the input file (from the EOH card to the bottom of the input file) contains the psuedo-JCL for QGR13, which will become a member of the QGA98T table. QGR13 can be added, edited, or deleted using the table edit screens in the AMS system, but due to the size of the JCL it is recommended any changes be made in the input file and loaded into the table using LPDWSJCL.

8.0 Local JCL Mods

JCL modifications will be necessary for your center's PDWS extract job. A core utility, LPDWSJCL, was developed for AMS Release 7.7.0 to load the PDWS JCL from a dataset into the AMS JCL tables Table 97 and Table 98. The dataset can be modified and reloaded into the AMS JCL tables as needed. See Appendix D for the name of the dataset containing the PDWS JCL.

The record length changes for the PDWS JCL are as follows:

	<u>LRECL BEFORE</u>	<u>LRECL AFTER</u>
CIC FILE		
put 'MSIRM. AMS0DT.CIC.DAT' cic.txt	155	196
put 'MSIRM. AMS0DT.CIC.CPOP' cpop.txt	155	169
COMMODITY FILE		
put 'MSIRM. AMS0DT.COMMOD.DAT' comm.txt	81	98
CONTRACTS		
put 'MSIRM.AMS0DT.CONTR.BASIC' conbas.txt	1799	1861
put 'MSIRM.AMS0DT.CONTR.COMP' concomp.txt	1799	1861
put 'MSIRM.AMS0DT.CONTR.MODS' conmod.txt	1799	1861
put 'MSIRM.AMS0DT.CONTR.DELIV' condelv.txt	107	116
put 'MSIRM.AMS0DT.CONTR.POP' conpop.txt	96	105
put 'MSIRM.AMS0DT.CONTR.CLOSE' conclus.txt	92	101

put 'MSIRM.AMS0DT.CONTR.REMAR' conmrk.txt	107	116
---	-----	-----

CONTRACT DELIVERY ORDERS

put 'MSIRM.AMS0DT.DELORDER.DAT' delvryordr.txt	306	338
--	-----	-----

GRANTS

put 'MSIRM.AMS0DT.GRANT.BASIC' grntbas.txt	1119	1164
put 'MSIRM.AMS0DT.GRANT.COMP' grntcomp.txt	1119	1164
put 'MSIRM.AMS0DT.GRANT.MODS' grntmod.txt	1119	1164
put 'MSIRM.AMS0DT.SEMI.DATA' grnrptdates.txt	55	64
put 'MSIRM.AMS0DT.CNTR1356.DATA' contract1356.txt	1045	1080
put 'MSIRM.AMS0DT.GRANT.REMARK' grntrmrks.txt	107	116

PURCHASE ORDERS

put 'MSIRM.AMS0DT.PURORDER.BASIC' pobas.txt	1339	1402
put 'MSIRM.AMS0DT.PURORDER.COMP' pocomp.txt	1339	1402
put 'MSIRM.AMS0DT.PURORDER.MODS' pomod.txt	1339	1402
put 'MSIRM.AMS0DT.PURORDER.DELV' podelv.txt	108	117
put 'MSIRM.AMS0DT.PURORDER.OPT' pooption.txt	47	56

PURCHASE ORDER DELIVERY ORDERS

put 'MSIRM.AMS0DT.PURDLVRY.DAT' podlvry.txt	228	261
put 'MSIRM.AMS0DT.PURDLVRY.DESC' podesc.txt	89	98

PR FILE

put 'MSIRM.AMS0DT.PR.MASTER' pr.txt	369	384
put 'MSIRM.AMS0DT.PR-MILESTON' prmlstn.txt	68	83
put 'MSIRM.AMS0DT.PR.MILEXREF' prmlstnxref.txt	58	73
put 'MSIRM.AMS0DT.PR.REMARKS' prremrks.txt	110	125
put 'MSIRM.AMS0DT.PR.DOC' prdoc.txt	59	74
put 'MSIRM.AMS0DT.PR.PROP' prproPCODE.txt	52	67

PR CROSS REFERENCE

put 'MSIRM.AMS0DT.PRXREF.DATA' prxref.txt	76	93
---	----	----

VENDOR FILE

put 'MSIRM.AMS0DT.VENDOR.VDATA' vend.txt	504	539
put 'MSIRM.AMS0DT.VENDOR.TYPE' vendtypbus.txt	29	46

9.0 Installation Checklist

- 1.0 Back Up Existing Data
- 2.1 Copy Source 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

APPENDIX E
SAMPLE JOB CONTROL LANGUAGE FOR
AMS RELEASE 9.0

SAMPLE JOB CONTROL LANGUAGE FOR ADHOC PROGRAMS IN RELEASE 9.0

Sample JCL is listed for the adhoc in Release 9.0.

1. JCL1

For program CCR1341A:

```
*****                ***** TOP OF DATA *****
000100 //CCR1341A JOB (XXXXXXXXXXXXX),XXXXXXX,
000200 //                CLASS=D,MSGCLASS=A,NOTIFY=XXXXXXX
000300 //*****
000400 /** ADHOC FIX TO DATES ON DELIVERY ORDER RECORDS
000410 /** TO SUBMIT A TRIAL RUN, PUT AN X ON LINE 5067,
000420 /** OTHERWISE LEAVE IT BLANK TO UPDATE THE DATABASE
000430 //*****
000440 //ND02          EXEC N01Z,PRM='IM=D,MT=99999'
000450 //CMPRINT      DD SYSOUT=*
000452 //CMPRT01     DD SYSOUT=*
000460 //CMWKF01      DD DSN=MSIRM.AMS0DT.CCR1341A.TEMP01,
000470 //                DISP=(NEW,DELETE,DELETE),
000480 //                DCB=RECFM=FB,UNIT=SYSDA,
000490 //                SPACE=(CYL,(5,1),RLSE)
000500 //CMWKF02      DD DSN=MSIRM.AMS0DT.CCR1341A.TEMP02,
000501 //                DISP=(NEW,DELETE,DELETE),
000502 //                DCB=RECFM=FB,UNIT=SYSDA,
000503 //                SPACE=(CYL,(5,1),RLSE)
000504 //CMSYNIN      DD *
000505 AMDEVL,XXXXXXXX,XXXXXXXX
000506 CCR1341A
000507 X
000508 FIN
000509 /*
000510 //
*****                ***** BOTTOM OF DATA *****
```

** Note: To submit a trial run, put an X on line 507. Otherwise, leave line blank to update the database. In the above example, substitute a dataset name with your center's high level qualifiers. However, the work files referenced in the JCL are only used for manipulating data. There is no need to catalog the datasets unless your center wants to retain them.

2. JCL2

For program CCR1342A:

```
*****      ***** TOP OF DATA *****
000100 //CCR1342A JOB (XXXXXXXXXXXX),XXXXXX,
000200 //      CLASS=D,MSGCLASS=A,NOTIFY=XXXXXX
000300 //*****
000400 //* ADHOC TO UPDATE FSS 507 EDITS ON TABLE 50
000411 //* TO SUBMIT A TRIAL RUN, PUT AN X ON LINE 490,
000420 //* OTHERWISE LEAVE IT BLANK TO UPDATE THE DATABASE
000430 //*****
000440 //ND02      EXEC N01Z,PRM='IM=D,MT=99999'
000450 //CMPRINT   DD SYSOUT=*
000453 //CMPRT01   DD SYSOUT=*
000460 //CMSYNIN   DD *
000470 AMDEVL,XXXXXX,XXXXXX
000480 CCR1342A
000490
000500 FIN
000501 /*
000502 //
*****      ***** BOTTOM OF DATA *****
```

** Note: To submit a trial run, put an X on line 490. Otherwise, leave line 490 blank to update the database.

3. JCL3

For program CCR1344A:

```
*****      ***** TOP OF DATA *****
000100 //CCR1344A JOB (XXXXXXXXXXXX),AMS900,
000200 //          CLASS=D,MSGCLASS=A,
000300 //          NOTIFY=XXXXX
000400 //*****
000500 //*
000600 //STEP01 EXEC N01Z,PRM='IM=D,MT=99999'
000700 //CMPRINT DD SYSOUT=*
000800 //CMSYNIN DD *
000900 AMDEVL,XXXXX,XXXXX
001000 CCR1344A
001100 FIN
001200 /*
001300 //
*****      ***** BOTTOM OF DATA *****
```

4. JCL4

For program CCR1344B:

```
*****      ***** TOP OF DATA *****
000100 //CCR1344B JOB (XXXXXXXXXXXX),AMS900,
000200 //          CLASS=D,MSGCLASS=A,
000300 //          NOTIFY=XXXXX
000400 //*****
000500 //*
000600 //STEP01 EXEC N01Z,PRM='IM=D,MT=99999'
000700 //CMWKF01 DD DSN=MSIRM.AMS.TBLDATA.TBL49B,
000800 //          DISP=(NEW,CATLG,DELETE),
000900 //          DCB=(LRECL=246,BLKSIZE=4428,RECFM=FB),
001000 //          UNIT=SYSDA,
001100 //          SPACE=(CYL,(5,1),RLSE)
001200 //CMPRINT DD SYSOUT=*
001300 //CMSYNIN DD *
001400 AMDEVL,XXXXX,XXXXX
001500 CCR1344B
001600 FIN
001700 /*
001800 //
*****      ***** BOTTOM OF DATA *****
```

** Note: In the above example, substitute a dataset name with your center's high level qualifiers.

5. JCL5

For program CCR1344C:

```
*****      ***** TOP OF DATA *****
000100 //CCR1344C JOB (XXXXXXXXXXXX),AMS900,
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.R900.R1004.TBL49,
000800 //          DISP=SHR
001200 //CMPRINT DD SYSOUT=*
001300 //CMSYNIN DD *
001400 AMDEVL,XXXXX,XXXXX
001500 CCR1344C
001600 FIN
001700 /*
001800 //
*****      ***** BOTTOM OF DATA *****
```

6. JCL6

For programs CCR1345A, CCR1345B, CCR1345D, and CCR1345I. Modify JCL accordingly for each program to be run.

```
*****      ***** TOP OF DATA *****
000100 //CCR1345A JOB (XXXXXXXXXXXX),AMS900,
000200 //          CLASS=D,MSGCLASS=A,
000300 //          NOTIFY=XXXXX
000400 //*****
000500 //*
000600 //STEP01 EXEC N01Z,PRM='IM=D,MT=99999'
000700 //CMPRINT DD SYSOUT=*
000800 //CMSYNIN DD *
000900 AMDEVL,XXXXX,XXXXX
001000 CCR1345A
001100 FIN
001200 /*
001300 //
*****      ***** BOTTOM OF DATA *****
```

7. JCL7

For program CCR1345C.

```
*****
***** TOP OF DATA *****
000100 //CCR1345C JOB (XXXXXXXXXXXX),AMS900,
000200 //          CLASS=D,MSGCLASS=A,
000300 //          NOTIFY=XXXXX
000400 //*****
000500 //* UPDATE AMS CIC AND VENDOR FILES WITH DUNS NUMBER
000600 //*****
000700 //*
000800 //STEP01 EXEC N01Z,PRM='IM=D,MT=99999'
000900 //CMWKF01 DD DSN= xxMOV.AMS.PROD.R900.R1004.CIC.DATA,
001000 //          DISP=SHR
001100 //CMPRINT DD SYSOUT=*
001200 //CMPRT01 DD SYSOUT=*
001300 //CMPRT02 DD SYSOUT=*
001400 //CMSYNIN DD *
001500 AMDEVL,XXXXX,XXXXX
001600 CCR1345C
001700 FIN
001800 /*
001900 //
*****
***** BOTTOM OF DATA *****
```

8. JCL8

For program CCR1345E.

```
*****      ***** TOP OF DATA *****
000100 //CCR1345E JOB (XXXXXXXXXXXX),AMS900,
000200 //          CLASS=D,MSGCLASS=A,
000300 //          NOTIFY=XXXXX
000400 //*****
000500 //* UNLOAD CONTRACT, GRANT, AND PO FILES TO FLAT FILES FOR
000600 //* LATER RELOAD
000700 //*****
000800 //*
000900 //ND05      EXEC N05Z,PRM='IM=D,MT=99999'
001000 //CMWKF01  DD DSN=MSIRM.AMS0DT.UNLOAD.CONTRACT,
001100 //          DISP=(NEW,CATLG,DELETE),
001200 //          DCB=(RECFM=FB,LRECL=11071,BLKSIZE=11071),
001300 //          UNIT=SYSDA,
001400 //          SPACE=(CYL,(200,50),RLSE)
001500 //CMWKF02  DD DSN=MSIRM.AMS0DT.UNLOAD.GRANT,
001600 //          DISP=(NEW,CATLG,DELETE),
001700 //          DCB=(RECFM=FB,LRECL=9301,BLKSIZE=9301),
001800 //          UNIT=SYSDA,
001900 //          SPACE=(CYL,(200,50),RLSE)
002000 //CMWKF03  DD DSN=MSIRM.AMS0DT.UNLOAD.PO,
002100 //          DISP=(NEW,CATLG,DELETE),
002200 //          DCB=(RECFM=FB,LRECL=1936,BLKSIZE=3872),
002300 //          UNIT=SYSDA,
002400 //          SPACE=(CYL,(200,50),RLSE)
002500 //CMPRINT DD SYSOUT=*
002600 //CMSYNIN  DD *
002700 AMDEVL,XXXXX,XXXXX
002800 CCR1345E
002900 FIN
003000 /*
003100 //
*****      ***** BOTTOM OF DATA *****
```

9. JCL9

For program CCR1345F.

```
*****      ***** TOP OF DATA *****
000100 //CCR1345F  JOB (XXXXXXXXXXXX),AMS900,
000200 //          CLASS=D,MSGCLASS=A,
000300 //          NOTIFY=XXXXX
000400 //*****
000500 //* RELOAD CONTRACT, GRANT, AND PO FILES FROM EARLIER
000600 //* UNLOAD IN CCR1345E
000700 //*****
000800 //ND05      EXEC N05Z,PRM='IM=D,MT=99999'
000900 //CMWKF01   DD DSN=MSIRM.AMS0DT.UNLOAD.CONTRACT,
001000 //          DISP=SHR
001100 //CMWKF02   DD DSN=MSIRM.AMS0DT.UNLOAD.GRANT,
001200 //          DISP=SHR
001300 //CMWKF03   DD DSN=MSIRM.AMS0DT.UNLOAD.PO,
001400 //          DISP=SHR
001500 //CMPRINT   DD SYSOUT=*
001600 //CMSYNIN   DD *
001700 AMDEVL,XXXXX,XXXXX
001800 CCR1345F
001900 FIN
002000 /*
002100 //
*****      ***** BOTTOM OF DATA *****
```

10. JCL10

For Program LPDWSJCL.

```
***** ***** TOP OF DATA *****
000100 //LPDWSJCL  JOB (XXXXXXXXXXXX),AMS900,
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.R900.R1004.PDWSJCL,
000800 //          DISP=SHR,DCB=(RECFM=FB,LRECL=79,BLKSIZE=7900),
000900 //          UNIT=SYSDA
001000 //CMPRINT   DD SYSOUT=(R),DEST=XXXXX
001100 //CMSYNIN   DD *
001200 AMDEVL,XXXXX,XXXXX
001300 LPDWSJCL
001400 FIN
001500 /*
001600 //
***** ***** BOTTOM OF DATA *****
```

11. JCL11

For Job FPDSIMPO to run import programs QGRDFPDS and QGREFPDS.

```
*****
***** TOP OF DATA *****
000001 //FPDSIMPO JOB (XXXXXXXXXXXX,4201),'IMPORT',
000002 // CLASS=D,MSGCLASS=A,
000003 // NOTIFY=XXXXXX
000004 //*****
000005 //* COPY TSP DATASET TO CENTER SPECIFIC GENERATION DATASET
000006 //*****
000007 //*
000008 //STEP1 EXEC PGM=IEBGENER,COND=(0,NE)
000009 //SYSIN DD DUMMY
000010 //SYSPRINT DD SYSOUT=*
000011 //SYSUT1 DD DSN=XXMOV.AMS.PROD.FPDSDATA,DISP=SHR
000012 //SYSUT2 DD DSN=MSIRM.AMS0DT.FPDSDATA(+1),
000013 // DCB=(RECFM=VB,LRECL=8000,BLKSIZE=32000),
000014 // DISP=(NEW,CATLG,DELETE),
000015 // UNIT=SYSDA,SPACE=(CYL,(15,5),RLSE)
000016 //*
000017 //*****
000018 //* DELETE FPDS DATASET FROM TSP
000019 //*****
000020 //*
000021 //STEP2 EXEC PGM=IEFBR14
000022 //DD2 DD DSN=XXMOV.AMS.PROD.FPDSDATA,
000023 // DISP=(MOD,DELETE,DELETE),
000024 // UNIT=SYSDA,SPACE=(CYL,(15,5),RLSE)
000025 //*****
000026 //* IMPORT FPDS DATA INTO AMS
000027 //*****
000028 //*
000029 //STEP3 EXEC N05Z,PRM='IM=D,MT=99999'
000030 //CMWKF01 DD DSN=MSIRM.AMS0DT.FPDSDATA(0),DISP=SHR
000031 //CMWKF02 DD DSN=&&TEMP,
000032 // DISP=(NEW,DELETE,DELETE),
000033 // UNIT=SYSDA,SPACE=(CYL,(150,50),RLSE),
000034 // DCB=(RECFM=FB)
000035 //CMWKF03 DD DSN=&&TEMP,
000036 // DISP=(NEW,DELETE,DELETE),
000037 // UNIT=SYSDA,SPACE=(CYL,(150,50),RLSE),
000038 // DCB=(RECFM=FB)
000039 //CMPRINT DD SYSOUT=*
000040 //CMPRT01 DD SYSOUT=*
000041 //CMPRT02 DD SYSOUT=*
000042 //CMPRT03 DD SYSOUT=*
000043 //CMSYNIN DD *
000044 AMMAINT,XXXXX,XXXXX
000045 QGM00
000046 QGRDFPDS
000047 QGREFPDS
000048 FIN
000049 /*
000050 //
*****
***** BOTTOM OF DATA *****
```

For Step 1 of this job, a Generation Data Group using your center's high level qualifiers needs to be created to store copies of the TSP FPDS dataset because it needs to be deleted in Step 2 of the job. The recommended number of generations is 30. Step 3 of the job performs the actual data import. Work file 1 is used as input to QGRDFPDS and contains the FPDS data. Work file 2 is used to temporarily hold the FPDS data that has been mapped to AMS data elements. It is

sorted by base records first and mod records last. Work file 3 temporarily holds error records that will be used in an error report generated by QGREFPDS.

The JCL above is an example. The job may be separated into 3 individual jobs. Step 2 may be performed after Step 3. The centers are entitled to modify according to their own policies and their own environments.

***** Scheduling of this Job *****

The Web Service Calls to FPDS-NG will run on a nightly basis starting at 8:00 pm Central time. The FPDS-NG/AMS Import job should be scheduled to start at each center at least 90 minutes later in their time zone. See below for suggested start times.

Eastern: 10:30 pm
Central: 9:30 pm
Mountain: 8:30 pm
Pacific: 7:30 pm

The duration of the Web Service Calls will be monitored and should they take longer than 90 minutes, the schedule will have to be adjusted accordingly.

12. JCL12

For program CCR1345G.

```
***** ***** Top of Data *****
000100 //CCR1345G JOB (XXXXXXXXXX),XXXXXX,
000200 //      CLASS=D,MSGCLASS=A,NOTIFY=XXXXXX
000300 //*****
000400 /* UNLOAD VENDOR FILE AND AMS CIC FILE TO FLAT FILES FOR LATER
000410 /* RELOAD
000500 //*****
000501 //ND06 EXEC N06Z,PRM='IM=D,MT=99999'
000502 //CMWKF01 DD DSN=MSIRM.AMS0DT.UNLOAD.VENDOR,
000503 //      DISP=(NEW,CATLG,DELETE),
000507 //      DCB=(RECFM=FB,LRECL=852,BLKSIZE=4260),
000508 //      UNIT=SYSDA,
000509 //      SPACE=(CYL,(200,50),RLSE)
000510 //CMWKF02 DD DSN=MSIRM.AMS0DT.UNLOAD.CIC,
000511 //      DISP=(NEW,CATLG,DELETE),
000513 //      DCB=(RECFM=FB,LRECL=143,BLKSIZE=4576),
000514 //      UNIT=SYSDA,
000515 //      SPACE=(CYL,(200,50),RLSE)
000518 //CMPRINT DD SYSOUT=*
000519 //CMSYNIN DD *
000520 AMTESTDR,XXXXXX,XXXXXX
000521 CCR1345G
000522 FIN
000523 /*
000524 //
***** ***** Bottom of Data *****
```

13. JCL13

For program CCR1345H.

```
***** ***** TOP OF DATA *****
000100 //CCR1345H   JOB (XXXXXXXXXXXXXXXXX),AMS900,
000200 //           CLASS=D,MSGCLASS=A,NOTIFY=XXXXXX
000300 //*****
000400 //* RELOAD OF VENDOR AND AMS CIC FILES FROM FLAT FILES
000450 //* CREATED IN CCR1345G
000500 //*****
000600 //ND05        EXEC N05Z,PRM='IM=D,MT=99999'
000700 //CMWKF01    DD DSN=MSIRM.AMS0DT.UNLOAD.VENDOR,
000800 //           DISP=SHR
000825 //CMWKF02  DD DSN=MSIRM.AMS0DT.UNLOAD.CIC,
000875 //           DISP=SHR
000900 //CMPRINT   DD SYSOUT=*
001000 //CMSYNIN   DD *
001100 AMMAINT,XXXXXX,XXXXXX
001200 CCR1345H
001300 FIN
001400 /*
001500 //
***** ***** BOTTOM OF DATA *****
```

APPENDIX F
PURCHASE ORDER REQUIREMENTS
SPREADSHEET

FIELDS REQUIRED ON AMS INPUT SHEETS						
Item #	Field Name	Intragov't	PO LT/ EQ \$25k	PO GT \$25k	Delivery Orders/ BPA Calls	PO Mods
1	Contract/Grant No. (10 positions)	R	R	R	R	R
2	Offeror's Proposal Number (18 positions)	N/A	N/A	O	O	N/A
3	PR Number (12 positions)	O	O	O	O	O
4	Closeout PR (1 position) Y or blank	O	O	O	O	O
5	Contractor VID (7 positions)	R	R	R	R	R
6	CIC Number (7 positions)	R	R	R	R	N/A
7	Contractor CPOP (7 positions)	R	R	R	R	R
8	Procuring Installation Number (2 positions)	R	R	R	R	R
9	Contractor Name (29 positions)	R	R	R	R	O
10	Contractor Division (20 positions)	O	O	O	O	O
11	Contractor Street/Zip (26 positions)**	R	R	R	R	O
12	Contractor Address City/State (26 positions)	R	R	R	R	O
13	Contractor Telephone Number (10 positions)**	R	R	R	R	O
14	CAGE Code (5 positions)**	R	R	R	R	O
15	Taxpayer Identification Number (TIN) (9 positions)**	N/A	R	R	R	O
16	Place of Performance City/State (26 positions)	R	R	R	R	O
16a	Place of Performance Street (26 positions)**	R	R	R	R	O
17	POP Zip Code (9 positions)	R	R	R	R	O
18	Contract Award Date: (8 positions) YYYYMMDD	R	R	R	R	R
19	Multiple or Single Award IDC (1 position) M-Multiple Award, S-Single Award	N/A	N/A	N/A	N/A	N/A
20	Procurement Placement Code (See Matrix) (2 positions)	R	R	R	R	R(New Work Only)
21	Kind of Action:	R	R	R	R	R
22	Type of IDV: (1 positions) A-GWAC, B-IDC, D-BOA, E-BPA, F-Multiagency Contract	N/A	N/A	N/A	N/A	N/A
23	Contractor Type: (2 positions) 01-8(a) Disadvantaged, 03-Disadvantaged Direct, 04-Not Disadvantaged, 05-Educational (Non-Minority), 06-Hospital, 08-Other Nonprofit, 09-Educational (Non-Minority-state), 10-Hospital (state), 12-Other State/Local Gov't, 15-Educational (HBCU), 18-Other Nonprofit (Minority), 19-Educational (HBCU-state), 25-Educational (Other Minority), 29-Educational (Other Minority-state),	N/A	R	R	R	O
24	Women-Owned Business: (1 position) Y-Yes, N-No	N/A	R	R	R	O
25	Award Outside US: (1 position) L-Foreign Firm, M-Domestic Firm Performing Outside U.S.	O	O	O	O	N/A
26	Extent of Competition: (1 position) 2-Sealed Bid, 3-Competed Action-SEB, 4-Other Competed Action, 5-Follow-on to Competed Action, 6-Other Not Competed	N/A	R	R	R	O
27	Product or Service Code : (4 positions) Use "A" codes for R&D effort, Use "B" through "Z" for other services, Use Codes 1005 through 9999 for supplies and equipment	R	N/A	R	R	N/A
28	Solicitation Issue Date (8 positions) YYYYMMDD	O	O	O	O	N/A
29	Solicitation Identifier (max 25 positions)	O	O	O	O	N/A
30	Bundling of Contract Requirements: (1 position) A-Mission Critical, B-OMB Circular A-76, C-Other, N-No	N/A	N/A	R	R	N/A

31	Referenced Contract No. (max 25 positions)	N/A	N/A	N/A	R	N/A
32	Description of Contract: (max 200 Positions)	R	R	R	R	R
33	CICA Applicability: (1 position) 1-Pre-CICA, 2-Post-CICA, 3-Simplified Acquisition Procedures, 4-Commercial Item Under Test Program	N/A	N/A	R	O	N/A
35	Contract Type: (2 positions) 01-Fixed Price-Firm, 02-Fixed Price Redetermination, 03-Fixed Price Economic Price Adjustment, 04-Fixed Price Incentive, 05-Cost No Fee, 06-Cost Sharing, 07-Cost Plus Fixed Fee, 08-Cost Plus Incentive Fee, 09-Time and Materials, 10-Labor Hour, 12-Cost Plus Award Fee, 13-Fixed Price Level of Effort, 14-Fixed Price Award Fee, 15-Order Dependent, 16-Combination, 17-Other	N/A	O	R	R	N/A
36	Pre-Award Synopsis Requirement: (1 position) Y-Synopsized, N-Not Synopsized	N/A	O	R	R	N/A
37	Synopsis Waiver Exception: (1 position) Y-Not Synopsized under SBA/OFPP Waiver Pilot Program, N-Not Applicable	N/A	O	R	R	N/A
38	Percent Performance Based: (1 position) A-100%, B-90-99, C-80-89, D-70-79, E-60-69, F-50-59, G-40-49, H-30-39, J-20-29, K-10-19, L-1-9, N-0/Not PBC	N/A	O	R	R	O
40	Number of Offers Received: (3 positions)	N/A	O	R	R	N/A
41	Solicitation Procedures: (1 position) A-Full & Open Competition-Sealed Bid, B-Full & Open Competition-Competitive, C-Full & Open Competition-Combination, D-Architect Engineer, E-NRA/AO, F-Multiple Award Schedule, G-Alternate Sources, K-Set-Asides, L-Other Than Full & Open Competition	N/A	N/A	R (unless KOA = 27)	R	N/A
42	Authority for Other than Full and Open Competition: (1 position) A-Unique Source, B-Follow on Contract, C-Unsolicited Research Proposal, D-Patent/Data Rights, E-Utilities, F-Standardization, G-Only One Source-Other, H-Urgency, J-Mobilization, Essential R&D Capabilities, or Expert Services, L-International Agreement, M-Authorized by Statute, N-Authorized for Resale, P-National Security, Q-Public Interest	N/A	N/A	R- If Sol. Procedures = L otherwise Blank	R- If Sol. Procedures = L otherwise Blank	N/A
43	Labor Statutes: (1 position) N-Not Subject to Labor Statutes, 1-Walsh Healey Act, 2-Reserved, 3-Service Contract Act, 4-Davis Bacon Act	N/A	O	R	N/A	O
44	Contract Financing (1 position) A-FAR 52.232-16 Progress Payments, C-Percentage of Completion Progress Payments, D-Unusual Progress Payments or Advance Payments, E-Commercial Financing, F-Performance-Based Financing, Z-Not Applicable	N/A	N/A	O	O	N/A
45	North American Industry Classification System (NAICS): (6 positions)	N/A	N/A	R	N/A	N/A
46	Contract Administration Delegated: (1 position) Y-Yes, N-No. If yes enter Y or N for following: Blanket Delegation, Post Award Audit, Security, Cost Accounting Standards, Property Administration, Transportation, Quality Assurance, Consent to Subcontract, Closeout, Engineering/Product Surveillance, Other	N/A	N/A	R	N/A	N/A
47	Multiyear Contract (1 position) Y-Yes/N-No	N/A	N/A	R	R	N/A
48	Advisory/Assistance Services Contract: (1 position) Y-Yes, N-No	N/A	N/A	R	N/A	N/A
49	Support Services Type Contract: (1 position) Y-Yes, N-No	N/A	N/A	R	N/A	N/A
50	Cost Accounting Standards Clause: (1 position) Y-Yes, N-No	N/A	N/A	R	N/A	N/A

51	New Technology or Patent Rights Clause: (1 position) Y-Yes, N-No	N/A	N/A	R	N/A	N/A
52	Subcontracting Program Plan: (1 position) A-Plan Not Included (No Subcontracting Possibilities), B-Plan Not Required, C-Plan Required-Incentive Not Included, D-Plan Required-Incentive Included	N/A	N/A	R	N/A	O
53	SBIR Award: (1 position) N-Not SBIR, 1-Phase I, 2-Phase II, 3-Phase III	N/A	N/A	N/A	N/A	N/A
54	STTR Award: (1 position) N-Not STTR, 1-Phase I, 2-Phase II, 3-Phase III	N/A	N/A	N/A	N/A	N/A
55	Contract for Foreign Gov't or International Organization: (1 position) Y-Yes, N-No	N/A	R	R	R	O
56	MRR: Cost and Performance Reporting: (1 position) N-None required, 2-NF533M only, 3-NF533M & 533Q	N/A	N/A	R	N/A	N/A
57	Property Financial Reporting: (1 position) Y-Yes, N-No	N/A	N/A	R	O	N/A
58	Commercial Item Acquisition: (1 position) Y-Yes, N-No	N/A	N/A	R	N/A	N/A
59	Country of Manufacture: (2 positions)	N/A	N/A	R	R	N/A
60	Demonstration Test Program: (1 position) Y-Yes, N-No	N/A	N/A	R	N/A	N/A
61	Emerging Small Business: (1 position) Y-Yes, N-No	N/A	N/A	R-If Demo Test is Yes & Lg-Sm Bus = S	N/A	N/A
62	Emerging Small Business Reserve Award: (1 position) Y-Yes, N-No	N/A	N/A	R-If Demo Test is Yes & Lg-Sm Bus = S	N/A	N/A
63	Size of Small Business: (1 position) <i>No. of Employees:</i> A-50 or less, B - 51-100, C-101-250, D-251-500, E-501-750, F-751-1000, G-Over 1000; <i>Gross Revenue:</i> M-1,000,000 or less, N-1,000,001-2,000,000, P-2,000,001-3,500,000, R-3,500,001-5,000,000, S-5,000,001-10,000,000, T-10,000,001-17,000,000, Z-Over 17,000,000	N/A	N/A	R-If Demo Test is Yes & Lg-Sm Bus = S	N/A	N/A
64	Value Engineering Clause: (1 position) Y-Yes, N-No	N/A	N/A	N/A	N/A	N/A
65	Ethnic Type: (1 position) A-Asian-Indian American, B-Asian-Pacific American, C-Black American, D-Hispanic American, E-Native American, F-Other Certified, N-No Representation	N/A	N/A	O	N/A	N/A
66	Effective Date: (8 positions) YYYYMMDD	R	R	R	R	R
67	Security Code: (1 position) A-ADP Unclassified, B-ADP Classified, C-Confidential, N-Unclassified, S-Secret, T-Top Secret	N/A	N/A	O	N/A	N/A
68	Equipment Code: (1 position) Y-Yes, N-No	N/A	O	R	R	O
69	Adminstrator Code: (3 positions)	R	R	R	R	R
70	Contracting Officer Code: (3 positions)	O	O	O	O	O
71	Negotiator Code: (3 positions)	R	R	R	R	R
72	COTR Name: (15 positions)	O	O	O	O	N/A
73	Org. Code: (5 positions)	O	O	O	O	N/A
74	Contract Fund Code: (1 position) F-Fully Funded, I-Incrementally Funded, U-Unfunded	N/A	O	O	O	N/A

75	Reason Not Small Business: (2 positions) 01-NOT SOL-No known small bus. Source, 02-NOT SOL-Unsolicited Proposal, 03-NOT SOL-Other noncompetitive awards, 04-NOT SOL-Other, 05-SOL-Bid not received, 06-SOL-Bid not low, 07-SOL-Bid/Proposal not responsive, 08-SOL-Prop. Not accepted, 09-SOL-Co. not resp. 10-SOL-Other	N/A	O	O	O	N/A
76	A-76 (FAIR Act) Action (1 position) Y-Yes/N-No	N/A	N/A	O	N/A	N/A
77	Purchase Card as Payment Method (1 position)	N/A	R	R	R	N/A
80	Current Completion Date: (8 positions) YYYYMMDD	R	R	R	R	R
81	Ultimate Completion Date (8 positions) YYYYMMDD	N/A	O	R	R	R
82	Physically Complete: (8 positions) If "Y" Enter Date (YYYYMMDD)	O	O	O	O	N/A
83	Other Preference Programs: (1 position) A-Directed to JWOD Nonprofit Agency, B-Small Business Set-Aside, C-Reserved, D-No Preference Program, E-Very Small Business Set-aside, F-Reserved	N/A	R	R	R	N/A
84	Hubzone Small Business Concern: (1 position) Y-Yes, N-No	N/A	R	R	R	N/A
85	Hubzone Program: (1 position) A-HubZone Sole Source, B-HubZone Set-aside, C-HubZone Price Evaluation Preference, D-Combined HubZone Preference/Small Disadvantaged Business Price Adjustment, E-Not Applicable	N/A	R	R	R	N/A
86	Veteran Owned Small Business Award: (1 position) A-Service Disabled Veteran Owned Small Business, B-Veteran Owned Small Business, C-Not Veteran Owned Small Business	N/A	R	R	R	N/A
87	Small Disadvantaged Business Programs: (1 position) A-8(a) Contract Award, B-8(a) with HubZone Priority, C-SDB Set-aside, D-SDB Price Evaluation Adj., E-SDB Participation Program, F-Not Applicable	N/A	R	R	R	N/A
88	Hubzone Price Evaluation Percent Difference: (2 positions)	N/A	O	O	O	N/A
89	SDB Price Evaluation Adjustment Percent Difference: (2 positions)	N/A	O	O	O	N/A
90	EPA Designated Products: (1 position) A-EPA designated product or products were purchased and all contained the required minimum recovered material content, B-EPA-designated product or products were purchased without required minimum recovered material content and a justification was completed based on inability to acquire the products competitively within a reasonable time, C-EPA-designated product or products were purchased without the required minimum recovered material content and a justification was completed based on inability to acquire the products at a reasonable price, D-EPA-designated product or products were purchased without the required minimum recovered material content and a justification was completed based on inability to acquire the products to reasonable performance standards in the specifications, E-No EPA-designated products were required.	N/A	O	R	R	
91	Recoverd Materials Clause: (1 position) A-Recovered Material Clauses. Report this code only if the contract includes FAR 52.223-4, Recovered Material Certification or FAR 52.223-4, Recovered Material Certification and FAR 52.223-9, Estimate of Percentage of Recovered Material Content for EPA Designated Products., B-Report this code if neither clause is included in the contract.	N/A	O	O	O	N/A
92	Major Program (max 100 positions)	O	O	O	O	N/A
93	Program Acronym (max 25 characters)	O	O	O	O	N/A

94	Funding Agency - Commercial Item: (1 position) A-Commercially Available Off-the-shelf, B-Other Commercial Item, C-Nondevelopmental Item, D-Noncommercial Item, E-Commercial Service, F-Noncommercial Service	N/A	O	O	O	N/A
95	Funding Agency: (4 positions) FIPS 95 4-digit code (blank if NASA)	N/A	O	O	O	O
96	Funding Agency DODAAC: (6 positions) 6-digit Department of Defense Activity Address Code	N/A	O	O	O	O
97	Funding Agency - Reason for Purchase: (1 position) A-Convenience and Economy, B-Expertise, C-Specifically Authorized, D-Authorized by Executive Order, E-Modification or Extension, F-Other	N/A	O	O	O	N/A
98	Funding Agency - Clinger-Cohen Act: (1 position) Y-Yes, N-No	N/A	O	O	O	N/A
99	DOD Claimant Program Code: (3 positions)	N/A	O	O	O	N/A
100	Indefinite Delivery Vehicle Last Date to Order (8 positions) YYYYMMDD	N/A	N/A	N/A	N/A	N/A
101	Other Statutory Authority (1 position) A-Space Act, B-IG Act	N/A	N/A	N/A	N/A	N/A
102	Web Site URL (max 100 positions)	N/A	N/A	N/A	N/A	N/A
103	Who Can Use (max 255 positions)	N/A	N/A	N/A	N/A	N/A
104	Maximum Order Limit (max 20 positions)	N/A	N/A	N/A	N/A	N/A
105	Fee for Use of Service (3 positions)	N/A	N/A	N/A	N/A	N/A
106	Fixed Fee Value (4 positions)	N/A	N/A	N/A	N/A	N/A
107	Fee Range Lower Value (4 positions)	N/A	N/A	N/A	N/A	N/A
108	Fee Range Upper Value (4 positions)	N/A	N/A	N/A	N/A	N/A
109	Center Unique: (9 positions)	O	O	O	O	N/A
110	Total Contract Value Including Options: (11 positions)	N/A	O	O	R	R
111	Estimated Cost or Fixed Price: (11 positions)	R	R	R	R	O
112	Fee: (11 positions)	N/A	N/A	O	O	O
113	Action Obligation: (11 positions)	R	R	R	R	O
114	Funded Thru Date: (8 positions) YYYYMMDD	O	O	O	O	O
115	Multiple Award Contract Fair Opportunity	N/A	N/A	N/A	R (If KOA=28)	N/A
116	Modification Prefix	N/A	N/A	N/A	N/A	R
117	Modification Number	N/A	N/A	N/A	N/A	R
120	Fee Paid for Use of IDV	N/A	N/A	N/A	O	N/A
121	CCR Exception - NEW FIELD	O	O	O	O	N/A
	NOTE: R = Required, O=Optional, N/A=Not Applicable. However, O does not necessarily mean it can always be blank.					
	Judgment must be used. Optional fields may only be required in certain circumstances, as an example					
	Size of Small Business and Emerging Small Business are only required if Demonstration Test Program is coded Yes.					
	Delivery Orders that are done in the Delivery Order Module of AMS are treated like modifications outside of AMS.					
	** Required on AMS Input Sheet Only					
	All delivery orders regardless of dollar amount should follow the requirements in the Delivery Order/BPA Call column					

APPENDIX G
RECALCULATE PRICE/EST COST DATA UTILITY
USER'S GUIDE

**USER'S GUIDE FOR THE
RECALCULATE PRICE/EST COST UTILITY
RELEASE 9.0**

The following is a detailed description for the use of the Recalculate Price/Est Cost Utility which was released in Release 8.0.0, Source Fix #4. Only users with System Admin privileges may use this function.

This process can be used to correct/update the amounts on the Contract and Purchase Order composite records.

- Each of the following fields will be totaled for the base record and all of the mods to verify that the amount on the composite record is correct:
 - PRICE/EST-COST
 - BASE-FEE
 - INCENTIVE-FEE
 - AWARD-FEE
 - TOTAL-PROFIT/FEE
 - COST-OBLIGATION
 - FEE-OBLIGATION
 - TOTAL-OBLIGATION
- TOT-xxx-VAL-INCL-OPTIONS will be calculated as the sum of PRICE/EST-COST + TOT-PROFIT/FEE on the base record and all mods (**unless** the mod is KOA 15). The amounts on a mod with KOA 15 will not be used to calculate the composite TOT-xxx-VAL-INCL-OPTIONS.

If any of these amounts are found to be out of sync with what is currently on the composite record, the user will be queried to see if they want to update the composite record with the calculated amount.

1. System Navigation.

The Recalculation Screen can be accessed starting from the AMS Master Menu.

```
QGM10-01          NASA ACQUISITION MANAGEMENT SYSTEM    DATE: 2004/06/29
                  MASTER MENU                            TIME: 09:23

      A C Q U I S I T I O N   S Y S T E M   O P T I O N S

          1 - PURCHASE REQUESTS
          2 - BIDDERS
          3 - PURCHASE ORDERS
          4 - CONTRACTS
          5 - GRANTS
          6 - VENDORS
          7 - REPORTS
          8 - TABLES
          9 - CENTER UNIQUE
         10 - ADHOC/QUERY REPORTING SYSTEM
         11 - QUICK STATUS
           E - END
           H - HELP

          ENTER OPTION - __

DIRECT COMMAND: _____
```

Select Option 8 (TABLES) on the Master Menu. This will progress to the Tables System Menu shown below.

```
QTM00-01          NASA ACQUISITION MANAGEMENT SYSTEM          DATE: 2004/06/29
                   TABLES SYSTEM MENU                        TIME: 09:23

                   1 - SELECT A TABLE FROM A LIST
                   2 - QUERY/UPDATE TABLE
                   3 - PR MILESTONE TABLE MENU
                   4 - FACS EDIT TABLES MENU
                   5 - BATCH - PRINT A TABLE
                   6 - BATCH - PRINT ALL TABLES
                   7 - BATCH - PRINT NAICS CODE TABLE IN ALPHA SEQUENCE
                   8 - SYSTEM ADMINISTRATION
                   M - MENU
                   E - END
                   H - HELP

                   ENTER OPTION:  _
                   TABLE NUMBER:  __

DIRECT COMMAND:  _____
```

Select Option 8 (SYSTEM ADMINISTRATION) on the Tables System Menu.
This will progress to System Administration Menu shown below.

```
QGU00-01          NASA ACQUISITION MANAGEMENT SYSTEM      DATE: 2004/06/29
                  SYSTEM ADMINISTRATION MENU              TIME: 09:24

                  1 - CHANGE SYSTEM GENERATED DATES AND FLAGS
                  2 - UPDATE DOCUMENT NUMBERS
                  3 - DISPLAY FILE STATISTICS
                  4 - AMS METRICS REPORT
                  5 - SIC TO NAICS ONLINE CONVERSION
                  6 - RECALCULATE PRICE/EST COST DATA
                  M - MENU
                  E - END
                  H - HELP

                  ENTER OPTION: _

DIRECT COMMAND: _____
```

Select Option 6 (RECALCULATE PRICE/EST COST DATA) on the System Administration Menu. The following screen will be displayed.

QGU03-01	NASA ACQUISITION MANAGEMENT SYSTEM RECALCULATE PRICE/EST COST DATA	DATE: 2004/06/29 TIME: 09:24
----------	---	---------------------------------

ENTER CONTRACT OR PURCHASE ORDER NUMBER: _____

OPTION: ___ M=MENU H=HELP E=END

2. Use.

The first screen allows the user to enter a Contract number or Purchase Order number. (This function is not applicable to Grants.)

```
QGU03-01          NASA ACQUISITION MANAGEMENT SYSTEM      DATE: 2004/06/29
                  RECALCULATE PRICE/EST COST DATA        TIME: 09:24

ENTER CONTRACT OR PURCHASE ORDER NUMBER: _____

OPTION:  __ M=MENU H=HELP E=END
```

The following options are available on this screen:

1. 'M' will return the user to the System Administration Menu.
2. 'H' will activate the Help Menu.
3. 'E' will exit AMS.

The user should enter the document number on which they wish to synchronize the money data. If the document's money data is already in sync, a message will be displayed stating so.

```
PURCHASE ORDER AMOUNTS ARE IN SYNC.  
QGU03-01          NASA ACQUISITION MANAGEMENT SYSTEM      DATE: 2004/06/29  
                  RECALCULATE PRICE/EST COST DATA        TIME: 09:24
```

```
ENTER CONTRACT OR PURCHASE ORDER NUMBER: NNM04XB01P
```

```
OPTION: __ M=MENU H=HELP E=END
```

If the document's money data is not in sync, the user will have the opportunity to update the record or leave it as it is.

The actual amount and the calculated amount for each field will be displayed. An 'N' will be displayed beside the fields that are out of sync. If the user wishes to change the amount stored on the composite record to the calculated amount shown in the "PO Base + Mods" column, a 'Y' should be entered in the "Update" column.

If more than one field is out of sync, the user can choose to update all fields, update only one field, or update none of the fields.

If the user presses <Enter> without entering a 'Y' in the "Update" column, no updates will be made to the composite record.

QGU03-01	NASA ACQUISITION MANAGEMENT SYSTEM		DATE: 2004/06/29
	RECALCULATE PRICE/EST COST DATA		TIME: 09:30
PO NUM: NNM04XB02P	TESTING NEW UTILITY		
	RECALCULATE PRICE/EST COST DATA		
COMPOSITE TOTAL VALUE INCLUDING OPTIONS:	24,500		UPDATE
BASE + MODS TOTAL VALUE INCLUDING OPTIONS:	25,206		(Y OR N)
			N
	COMPOSITE PO	PO BASE + MODS	
	-----	-----	
PRICE/EST COST:	24,203	24,203	
BASE/FIXED FEE:	1	1	
INCENTIVE FEE:	1	1	
AWARD FEE:	1	1	
TOTAL FEE:	3	1,003	N
=====			
COST OBLIG:	1	1	
FEE OBLIG:			
TOTAL OBLIG:	500	800	N
OPTION: __ M=MENU H=HELP E=END N=NEXT DOCUMENT			

The following options are available on this screen:

1. 'M' will return the user to the System Administration Menu without updating.
2. 'H' will activate the Help Menu.
3. 'E' will exit AMS.
4. 'N' will return to the previous screen without updating.

In the following example, the user chooses to update the Total Fee and the Total Oblig fields. A 'Y' is entered in the "Update" column beside each of these fields.

QGU03-01	NASA ACQUISITION MANAGEMENT SYSTEM		DATE: 2004/06/29
	RECALCULATE PRICE/EST COST DATA		TIME: 09:30
PO NUM: NNM04XB02P TESTING NEW UTILITY			
RECALCULATE PRICE/EST COST DATA			
COMPOSITE TOTAL VALUE INCLUDING OPTIONS:			24,500
BASE + MODS TOTAL VALUE INCLUDING OPTIONS:			25,206
			UPDATE (Y OR N)
			N
	COMPOSITE PO	PO BASE + MODS	
	-----	-----	
PRICE/EST COST:	24,203	24,203	
BASE/FIXED FEE:	1	1	
INCENTIVE FEE:	1	1	
AWARD FEE:	1	1	
TOTAL FEE:	3	1,003	Y
=====			
COST OBLIG:	1	1	
FEE OBLIG:			
TOTAL OBLIG:	500	800	Y

OPTION: ___ M=MENU H=HELP E=END N=NEXT DOCUMENT			

The screen displayed below shows that the Total Fee and the Total Oblig fields were updated but the Total Value Including Options field remains the same.

```
RECORD UPDATED.  PRESS ENTER TO CONTINUE.
QGU03-01          NASA ACQUISITION MANAGEMENT SYSTEM      DATE: 2004/06/29
                  RECALCULATE PRICE/EST COST DATA        TIME: 09:35

      PO NUM: NNM04XB02P  TESTING NEW UTILITY
                  RECALCULATE PRICE/EST COST DATA

      COMPOSITE TOTAL VALUE INCLUDING OPTIONS:           24,500
      BASE + MODS TOTAL VALUE INCLUDING OPTIONS:         25,206

                COMPOSITE PO                PO BASE + MODS
      -----
PRICE/EST COST:                24,203                24,203
BASE/FIXED FEE:                  1                    1
INCENTIVE FEE:                   1                    1
AWARD FEE:                        1                    1
TOTAL FEE:                        1,003                1,003
=====
      COST OBLIG:                  1                    1
      FEE OBLIG:
TOTAL OBLIG:                      800                800

-----
OPTION: N_ M=MENU H=HELP E=END N=NEXT DOCUMENT
```