Decision Support System (DSS)

Technical Manual

Software Version 3.0 Patch ECX*3.0*170



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Table of Contents

1	Introduction	1
	1.1 Overview	1
	1.2 Purpose	1
	1.3 Functions of the Software	1
2	Orientation	3
	2.1 User Responses	
3	General Information	3
	3.1 Namespace Information	
	3.2 Background Job Options	
	3.3 Resource Requirements	
	3.3.1 Special Note on IVP and UDP Extracts	
	3.3.2 Special Note on Pharmacy Extract Files	
	3.3.3 Time Estimates for Extracts	
	3.4 Secure Data Transmission	6
4	Implementation and Maintenance	7
5	Routines	9
	5.1 Routine List	9
	5.2 Callable Routines/Entry Points/Application Programmer Interfaces	9
	5.3 Routines to Map	
	5.4 External Interfaces	9
6	Files	10
	6.1 Global Placement	
	6.2 File List	
	6.3 Field List	
	6.3.1 Templates and File Flow	
7	Exported Options	18
	7.1 Menu Online	18
	7.2 Menu Diagrams	
	7.3 Stand-alone Options	
	7.4 VA FileMan Access Codes	18
	7.5 Security Management	20
	7.6 Security Keys	20
	7.7 Mail Groups and Alerts	
	7.8 Remote Systems	
	7.9 Contingency Planning	
	7.10 Interfacing	

7.11	Electronic Signatures	21
8 Arcl	niving, Deleting or Purging	22
8.1	Archiving	
8.2	Deleting or Purging	
8.2.		
	ernal Relations	
9.1 9.2	Minimum Software Versions Required Database Integration Agreements (DBIAs)	
	rnal Relations	
	kage-wide Variables	
	v to Generate Online Documentation	
	XINDEX	
	Inquire to Option File	
	Print Options File	
12.4	List File Attributes	
Appendi		
Appendi	•	
Appendi		
Appendi	x D Index	D-2
	List of Tables	
Table 1:	Required Queued Background Tasks	3
Table 2:	Extract Name/Bytes per Record	4
Table 3:	Steps to Recreate IVP and UDP Holding Files	
Table 4:	Audited Fields When Updates Occur	5
Table 5:	Extract Time Estimates	5
Table 6:	Management Menu Options & Activities	7
Table 7:	Steps to List DSS Routines	9
Table 8:	File List Table	10
Table 9:	Field Changes in DSS for Current Release	11
Table 10:	Steps to List DSS Templates & Map Menu Options	17
Table 11:	Extract Manager's Options	18
Table 12:	Steps to Obtain Information on Exported Menus	18

Table 13:	VA FileMan Access Codes	18
Table 14:	Steps to Obtain Security Key Information	20
Table 15:	Recreate IVP & UDP Holding File Options	22
Table 16:	External Package Minimum Versions Required	24
Table 17:	Steps to Obtain DBIAs	25
Table 18:	Acronyms and Abbreviations Table	A-1
Table 19:	Glossary	B-1
Table 20:	Reference & Related Manuals on the VDL	C-1
	List of Figures	
Figure 1:	Data Transmission Header	6

DSS FY19 Technical Manual 1 - Introduction

1 Introduction

The Decision Support System (DSS) is the designated Managerial Cost Accounting (MCA) System of the Department of Veterans Affairs (VA) as mandated in the Veterans Health Administration (VHA) Directive 1750 VHA Managerial Cost Accounting System (Decision Support System (DSS)), March 24, 2015.

DSS is a derived database built from standard VHA data sources. The Managerial Cost Accounting Office (MCAO) uses clinical and financial data to provide state-of-the-art activity-based costing and clinical productivity analyses.

This is a design-to-schedule project with a compulsory Patch Release date of no later than November 1 of the new Fiscal Year (FY). This project enables the MCAO to accurately accommodate changes to the primary Clinical Transaction Systems made during the preceding year, ensuring the workload data has been accurately captured and costed to the Product Level.

MCA Cost Data is used at all levels of the VA for functions such as budgeting and resource allocation. Additionally, the system contains a rich repository of clinical information used to promote a proactive approach to the care of high-risk (i.e., diabetes and acute coronary patients) and high-cost patients.

1.1 Overview

The DSS Extracts Version 3.0 software provides a means of exporting data from selected Veterans Health Information Systems and Technology Architecture (VistA) software modules and transmitting it to a DSS database residing at the Austin Information Technology Center (AITC).

This transfer is accomplished through a set of extract routines, intermediate files, and transmission routines. Data from VistA packages is stored by the extract routines in the intermediate files, where it is temporarily available for local use and auditing. The data is then transmitted to the AITC, where it is formatted and uploaded into commercial software. After the data has been successfully uploaded into the commercial software, it is purged from the intermediate files.

1.2 Purpose

The DSS Technical Manual serves the following purposes:

- Provides technical information to aid Automated Data Processing Application Coordinators (ADPACs) and Information Resource Management (IRM) service staff responsible for implementing and maintaining the software.
- Provides technical information to aid Database Administrator (DBA) personnel responsible for maintaining database files.
- Provides security information for Information Security Officer (ISO) and Regional Information Security Officer (RISO) staff.

1.3 Functions of the Software

The DSS Extracts software provides the following functionalities:

- Implements Extracts Processes
- Schedules Extracts
- Verifies Extracts against other VistA Reports
- Transmits Extracts to Commercial Software

DSS FY19 Technical Manual 1 - Introduction

- Verifies Transmissions
- Allows Deletion of Extracts

 Allows Purging of Holding Files for the Intravenous (IV) Detail Extract (IVP), the Unit Dose Local Extract (UDP), and the VistA Blood Establishment Computer Software (VBECS) Blood Bank Extract (LBB).

2 Orientation

This manual is recommended as a reference document for technical users (e.g., ADPACs or IRMs). Package security information is located in the Security Management and Security Keys sections of this manual.

2.1 User Responses

User responses in the examples presented in this manual are displayed in **bold** type.

3 General Information

This section contains general information to aid in the understanding and use of this document.

3.1 Namespace Information

The namespace assigned to the DSS Extracts software is ECX (Event Capture Extract).

3.2 Background Job Options

There are no routine background jobs that must run to maintain normal package operation for DSS Extracts. However, users performing a DSS data extract must execute it as a background task (queued through TaskManager).

Both Statistical Analysis System (SAS) and Extract Audit reports can be displayed on the user's screen, printed immediately to a print device, or queued to a print device. All other reports can only be printed as queued background jobs and cannot be stopped through the TaskMan User [XUTM USER] option.

Table 1 lists the functions that must be queued as background tasks.

Table 1: Required Queued Background Tasks

Function	Menu Option	Details
Transmit extract data	[ECXTRANS]	Transmit Data from Extract Files
Stop extract Background Task	[XUTM USER]	 TaskMan user option. Users are able to stop the Extract Background Task while it is running by using the TaskMan user [XUTM USER] option.
		Data in any resulting incomplete extract should be deleted using the <i>Delete Extract Files</i> [ECXDELEF] option.
		If queued as a background task, users can stop the background task while it is running by using the TaskMan user [XUTM USER] option.
Delete extract data	[ECXDELEF]	Delete Extract Files
Purge extract holding	[ECXPURG]	Purge Extract Holding Files.
files		Data in the holding files for the IVP, UDP and VBECS files can be purged using the <i>Purge Extract Holding Files</i> [ECXPURG] option.

3.3 Resource Requirements

Table 2 provides information on extract files. The bytes per record estimates in this table include the file cross-reference.

Table 2: Extract Name/Bytes per Record

Extract Name	Bytes per Record (Estimated Mean Size)
ADM - Admissions Extract	350
BCM - Bar Code Medication Administration (BCMA) Extract	450
CLI - Clinic Extract	485
ECQ - Quality: Audiology and Speech Pathology Audit & Review (QUASAR) Extract	450
ECS - Event Capture Local Extract	450
IVP - IV Detail Extract	500
LAB - Laboratory Extract	250
LAR - Lab Results Extract	200
LBB - Blood Bank Extract	200
MOV - Physical Movement Extract	225
PRE - Prescription Extract	425
PRO - Prosthetics Extract	400
RAD - Radiology Extract	300
SUR - Surgery Extract	425
TRT - Treating Specialty Change Extract	275
UDP - Unit Dose Local Extract	375

3.3.1 Special Note on IVP and UDP Extracts

IV orders will accumulate in the IV EXTRACT DATA file (#728.113), and Unit Dose orders will accumulate in the UNIT DOSE EXTRACT DATA file (#728.904). These files are loaded dynamically as Pharmacy orders for IV, and unit dose medicines are processed. Each record in these files uses approximately 100 bytes.

Extreme caution must be used when performing maintenance on the IV EXTRACT DATA file (#728.113) and the UNIT DOSE EXTRACT DATA file (#728.904). If data in either file is purged, the IVP or UDP monthly extract may be incomplete. It is strongly recommended that, at a minimum, sites maintain all data from the current fiscal year.

The holding files for IVP and UDP can be purged. Two functions were created to regenerate purged IVP and UDP holding file data. The steps shown in Table 3 must be executed from the Systems Manager Menu to access these options:

Table 3: Steps to Recreate IVP and UDP Holding Files

Step	Action/Menu Option	
1	Extract Manager's Options	
2	Transmission Management	

Step	Action/Menu Option	
3	Recreate Extract Holding Files	

Note: Holding files can become quite large if appropriate purging is not performed. The option, Purge Extract Holding Files [ECXPURG] purges holding files from IVP and UDP by date range.

3.3.2 Special Note on Pharmacy Extract Files

The Pharmacy DSS Extract files shown in Table 4 are audited when entries are edited through the menu option Pharmacy Volume Edit [ECX PHA VOL EDIT]. Entries are stored in the AUDIT file (#1.1).

Table 4: Audited Fields When Updates Occur

File	File#	Audited Fields
PRESCRIPTION EXTRACT	#727.81	The QUANTITY and UNIT OF ISSUE fields are audited.
UNIT DOSE LOCAL EXTRACT	#727.809	Only updates to the QUANTITY field are audited.
IV DETAIL EXTRACT	#727.819	Updates to the QUANTITY and TOTAL DOSES PER DAY fields are audited.
BCMA EXTRACT	#727.833	Updates to the COMPONENT DOSE GIVEN and COMPONENT UNITS fields are audited.

3.3.3 Time Estimates for Extracts

Extracts generally require approximately two to four minutes per 1000 records extracted and should be queued to run during a non-peak system usage period.

Table 5 contains examples of approximate run times for extracts.

Table 5: Extract Time Estimates

Extract Name	Approximate Length of Time
Admissions (ADM)	Less than ten minutes
Clinic (CLI)	5 hours for 48,000 records
Laboratory (LAB)	6 hours for 100,000 records
Physical Movement (MOV)	Less than ten minutes
Prescription (PRE)	3.5 hours for 49,000 records
Treating Specialty Change (TRT)	Less than ten minutes

3.4 Secure Data Transmission

Data is transmitted to the AITC using VA MailMan mail messages. The first line of each message is a header that identifies the following entities: Site, Extract, Year and Month, and SAS version identifier in the format shown in Figure 1:

Figure 1: Data Transmission Header

521RAD199710007

Site	Extract	Year and Month	Version ID
521	RAD	199710	007

During the transmission process, its Internal Entry Number (IEN) is entered in the MESSAGE NUMBER field (#301) of the DSS EXTRACT LOG file (#727). There are options that allow the Extract Manager or designee to monitor this file. As confirmation messages are received from the AITC, multiple entries in the MESSAGE NUMBER field (#301) are deleted.

4 Implementation and Maintenance

The Management Menu enables the Extract Manager or designee to perform a variety of functions, listed in Table 6:

Table 6: Management Menu Options & Activities

Manu Ontion Activity		
Menu Option	Activity	
Perform Maintenance Activities	Produce Community Based Outpatient Clinic (CBOC) Activity Reports	
	Perform Current Procedural Terminology (CPT) and International Classification of Diseases (ICD) Inquiries	
	Perform DSS Ward Management Activities	
	Perform Laboratory Results Translation Table Maintenance Activities	
	Generate Lab Results Extract Untranslatable Results Report	
	 Produce Laboratory Results DSS Logical Observation Identifiers, Names, and Codes (LOINC) Code Reports 	
	Add or Modify Pharmacy IV Room Division Entries	
	Print Pharmacy IV Room Worksheet	
	Perform Pharmacy National Drug Code (NDC) Lookup	
	Produce Pharmacy Volume Log Maintenance Activities	
	Print Feeder Key Listings	
	Print Feeder Location Listings	
	Produce Prosthetics Reports	
	Maintain Prosthetics Extract Quantity Information	
	Perform DSS Clinic Setup Activities	
	Produce DSS Clinic Setup Reports	
	Perform Inpatient Census Setup Activities	
	Produce Test Patient List	
	View Gains and Losses (G&L) Corrections Listings	
Perform Pre-Extract Audit Activities	Produce Event Capture Pre-Extract Unusual Volume Report	
	Produce Laboratory Blood Bank (LBB) Pre-Extract Audit	
	Produce Pharmacy Pre-Extract Incomplete Feeder Key Reports	
	Produce Pharmacy Pre-Extract Unusual Cost Reports	
	Produce Pharmacy Pre-Extract Unusual Volume Reports	
	Produce IVP/UDP Source Audit Reports	
	Produce Prosthetic Pre-Extract Unusual Cost Report	
	Produce Surgery Pre-Extract Volume Report	
	Produce Surgery Pre-Extract Unusual Volume Report	

Menu Option	Activity
Produce Package Extracts	Produce Admissions Extract
	Produce BCMA Extract
	Produce Blood Bank Extract
	Produce Clinic Extract
	Produce Event Capture Extract
	Produce IV Extract
	Produce Lab Extract
	Produce Lab Results Extract
	Produce Physical Movement Extract
	Produce Prescription Extract
	Produce Prosthetics Extract
	Produce QUASAR Extract
	Produce Radiology Extract
	Produce Surgery Extract
	Produce Treating Specialty Change Extract
	Produce Unit Dose Extract
Produce SAS Extract Audit Reports	Create the SAS Extract Audit Reports
Produce Extract Audit Reports	Create Extract Audit Reports
	Create Radiology Extract CPT Code Audit Report
	Create Extract Stop Code Validity Reports
Perform Extract Transmission	Review Extracts for Transmission
Management Activities	Transmit Extract Files
	Produce Summary Report of Extract Logs
	Delete Extract Files
	Purge Extract Holding Files
	Recreate Extract Holding Files

Refer to the <u>DSS Extracts v3.0 Installation/Rollback Guide</u> for more information about installing and implementing the software.

Technical Manual 5 - Routines

5 Routines

This section describes relevant technical aspects of DSS Application routines.

5.1 Routine List

From the Systems Manager Menu, perform the steps outlined in Table 7 to obtain a list of routines contained in the DSS package:

Table 7: Steps to List DSS Routines

Step	Action/Menu Option	
1	Programmer Options	
2	Routine Tools	
3	First Line Routine Print	
4	All Routines? No => <enter></enter>	
5	Routine: ECX *	
6	Routine: <enter></enter>	
7	(A)lpha, (D)ate, (P)atched, OR (S)ize ORDER: A// <enter></enter>	
8	Include line (2), Include lines 2&(3), (N)one: None/ <enter></enter>	
9	DEVICE: HOME// <enter> HOME (CRT) Right Margin: 80// <enter></enter></enter>	

5.2 Callable Routines/Entry Points/Application Programmer Interfaces

The DSS Extracts software has no callable Application Programmer Interfaces (APIs).

5.3 Routines to Map

There are no routines in DSS Extracts that are recommended for mapping.

5.4 External Interfaces

There are no external interfaces used by DSS Extracts.

6 Files

This section contains information pertaining to the files manipulated by the DSS application software.

6.1 Global Placement

DSS Extracts use one global file for data storage: ^ECX. During first-time installation, use global protection and placement when appropriate.

6.2 File List

The DSS Extracts software with all patches installed exports the files that appear in Table 8. Use the Systems Manager Menu > VA FileMan > Data Dictionary Utilities > List File Attributes option to print the Data Dictionary (DD).

Note: <u>VA Directive 6402, Standardization of VistA National Software, August 28, 2013</u> prohibits local modification of these files.

Table 8 lists the file names, associated file numbers, and extract abbreviations (where applicable):

Table 8: File List Table

File Number	Abbreviation	File Name
727	-	DSS EXTRACT LOG
727.1	-	EXTRACT DEFINITIONS
727.2	-	DSS Lab Tests
727.29	-	DSS LOINC FILE
727.3	-	DSS DIVISION IDENTIFIER
727.4	-	DSS WARD
727.5	-	DSS MH TESTS
727.7	-	LAB RESULTS TRANSLATION
727.802	ADM	ADMISSION EXTRACT
727.804	-	CLINIC NOSHOW EXTRACT
727.805	-	NURSING EXTRACT
727.806	-	DENTAL EXTRACT
727.808	MOV	PHYSICAL MOVEMENT EXTRACT
727.809	UDP	UNIT DOSE LOCAL EXTRACT
727.81	PRE	PRESCRIPTION EXTRACT
727.811	SUR	SURGERY EXTRACT
727.812	-	MENTAL HEALTH EXTRACT
727.813	LAB	LABORATORY EXTRACT
727.814	RAD	RADIOLOGY EXTRACT
727.815	ECS	EVENT CAPTURE LOCAL EXTRACT
727.816	-	CLINIC I EXTRACT
727.817	TRT	TREATING SPECIALTY CHANGE EXTRACT

File Number	Abbreviation	File Name
727.818	-	CLINIC II EXTRACT
727.819	IVP	IV DETAIL EXTRACT
727.82	-	ADMISSION SETUP EXTRACT
727.821	-	PHYSICAL MOVEMENT SETUP EXTRACT
727.822	-	TREATING SPECIALTY CHANGE SETUP EXTRACT
727.823	-	PAI EXTRACT
727.824	LAR	LAB RESULTS EXTRACT
727.825	ECQ	QUASAR EXTRACT
727.826	PRO	PROSTHETICS EXTRACT
727.827	CLI	CLINIC EXTRACT
727.829	LBB	BLOOD BANK EXTRACT
727.831	-	DSS TREATING SPECIALTY TRANSLATION
727.833	BCM	BCMA EXTRACT
728	-	DSS EXTRACTS
728.113	-	IV EXTRACT DATA
728.44	-	CLINICS AND STOP CODES
728.441	-	NATIONAL CLINIC
728.442	-	MCA LABOR CODE
728.45	-	DSS NUTRITION PRODUCT WORKSHEET
728.46	-	DSS NUTRITION DIVISION WORKSHEET
728.506	-	DSS DRUG PRODUCT CODE
728.832	-	NUTRITION EXTRACT
728.904	-	UNIT DOSE EXTRACT DATA
729	-	DSS PRODUCTION UNIT

6.3 Field List

The modifications associated with the release of DSS FY19 Extract Sustainment Patch ECX*3.0*170 include the following list (Table 9) of modified field names and numbers by extract.

Table 9: Field Changes in DSS for Current Release

Field Name	Field Numbe r	File Name	File Number
IN OUT PATIENT INDICATOR	#7	ADMISSION EXTRACT	#727.802
PLACEHOLD PRIMARY CARE TEAM	#9	ADMISSION EXTRACT	#727.802
MOVEMENT FILE #	#30	ADMISSION EXTRACT	#727.802
PLACEHOLD PC PROVIDER	#34	ADMISSION EXTRACT	#727.802
PLACEHOLD RACE	#35	ADMISSION EXTRACT	#727.802
PLACEHOLD PC PROV PERSON CLASS	#48	ADMISSION EXTRACT	#727.802

Field Name	Field Numbe r	File Name	File Number
PLACEHOLD ASSOC PC PROVIDER	#49	ADMISSION EXTRACT	#727.802
PLACEHOLD AS PC PROV PERSON CL	#50	ADMISSION EXTRACT	#727.802
PLACEHOLD ETHNICITY	#64	ADMISSION EXTRACT	#727.802
PLACEHOLD RACE 1	#65	ADMISSION EXTRACT	#727.802
PLACEHOLD ASSOC PC PROV NPI	#84	ADMISSION EXTRACT	#727.802
PLACEHOLD PC PROVIDER NPI	#86	ADMISSION EXTRACT	#727.802
IN OUT PATIENT INDICATOR	#7	BCMA EXTRACT	#727.833
PLACEHOLD PC PROVIDER	#20	BCMA EXTRACT	#727.833
PLACEHOLD PC PROV PERSON CLASS	#21	BCMA EXTRACT	#727.833
PLACEHOLD PC PROVIDER NPI	#22	BCMA EXTRACT	#727.833
PLACEHOLD PRIMARY CARE TEAM	#23	BCMA EXTRACT	#727.833
PLACEHOLD ETHNICITY	#57	BCMA EXTRACT	#727.833
PLACEHOLD RACE 1	#58	BCMA EXTRACT	#727.833
IN OUT PATIENT INDICATOR	#7	BLOOD BANK EXTRACT	#727.829
IN OUT PATIENT INDICATOR	#7	CLINIC EXTRACT	#727.827
PLACEHOLD PRIMARY CARE TEAM	#14	CLINIC EXTRACT	#727.827
PLACEHOLD PC PROVIDER	#15	CLINIC EXTRACT	#727.827
PLACEHOLD PC PROV PERSON CLASS	#16	CLINIC EXTRACT	#727.827
PLACEHOLD CPT QTY & MODS #1	#19	CLINIC EXTRACT	#727.827
PLACEHOLD CPT QTY & MODS #2	#20	CLINIC EXTRACT	#727.827
PLACEHOLD CPT QTY & MODS #3	#21	CLINIC EXTRACT	#727.827
PLACEHOLD CPT QTY & MODS #4	#22	CLINIC EXTRACT	#727.827
PLACEHOLD CPT QTY & MODS #5	#23	CLINIC EXTRACT	#727.827
PLACEHOLD CPT QTY & MODS #6	#24	CLINIC EXTRACT	#727.827
PLACEHOLD CPT QTY & MODS #7	#25	CLINIC EXTRACT	#727.827
PLACEHOLD CPT QTY & MODS #8	#26	CLINIC EXTRACT	#727.827
PLACEHOLD RACE	#35	CLINIC EXTRACT	#727.827
PLACEHOLD ASSOC PC PROVIDER	#56	CLINIC EXTRACT	#727.827
PLACEHOLD AS PC PROV PERSON CL	#57	CLINIC EXTRACT	#727.827
PLACEHOLD ETHNICITY	#73	CLINIC EXTRACT	#727.827
PLACEHOLD RACE 1	#74	CLINIC EXTRACT	#727.827
PLACEHOLD ASSOC PC PROV NPI	#90	CLINIC EXTRACT	#727.827
PLACEHOLD PC PROVIDER NPI	#91	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #1	#133	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #2	#134	CLINIC EXTRACT	#727.827

Field Name	Field Numbe r	File Name	File Number
CPT, QTY & MODIFIERS #3	#135	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #4	#136	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #5	#137	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #6	#138	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #7	#139	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #8	#140	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #9	#141	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #10	#142	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #11	#143	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #12	#144	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #13	#145	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #14	#146	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #15	#147	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #16	#148	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #17	#149	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #18	#150	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #19	#151	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #20	#152	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #21	#153	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #22	#154	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #23	#155	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #24	#156	CLINIC EXTRACT	#727.827
CPT, QTY & MODIFIERS #25	#157	CLINIC EXTRACT	#727.827
IN OUT PATIENT INDICATOR	#7	EVENT CAPTURE LOCAL EXTRACT	#727.815
PLACEHOLD PRIMARY CARE TEAM	#26	EVENT CAPTURE LOCAL EXTRACT	#727.815
PLACEHOLD PC PROVIDER	#27	EVENT CAPTURE LOCAL EXTRACT	#727.815
PLACEHOLD PC PROV PERSON CLASS	#47	EVENT CAPTURE LOCAL EXTRACT	#727.815
PLACEHOLD ASSOC PC PROVIDER	#49	EVENT CAPTURE LOCAL EXTRACT	#727.815
PLACEHOLD AS PC PROV PERSON CL	#50	EVENT CAPTURE LOCAL EXTRACT	#727.815
PLACEHOLD ETHNICITY	#72	EVENT CAPTURE LOCAL EXTRACT	#727.815
PLACEHOLD RACE 1	#73	EVENT CAPTURE LOCAL EXTRACT	#727.815

Field Name	Field Numbe r	File Name	File Number
PLACEHOLD ASSOC PC PROV NPI	#92	EVENT CAPTURE LOCAL EXTRACT	#727.815
PLACEHOLD PC PROVIDER NPI	#93	EVENT CAPTURE LOCAL EXTRACT	#727.815
IN OUT PATIENT INDICATOR	#7	IV DETAIL EXTRACT	#727.819
PLACEHOLD PRIMARY CARE TEAM	#21	IV DETAIL EXTRACT	#727.819
PLACEHOLD PC PROVIDER	#22	IV DETAIL EXTRACT	#727.819
ADMISSION DATE	#24	IV DETAIL EXTRACT	#727.819
ADMISSION TIME	#25	IV DETAIL EXTRACT	#727.819
PLACEHOLD PC PROV PERSON CLASS	#30	IV DETAIL EXTRACT	#727.819
PLACEHOLD ASSOC PC PROVIDER	#31	IV DETAIL EXTRACT	#727.819
PLACEHOLD AS PC PROV PERSON CL	#32	IV DETAIL EXTRACT	#727.819
PLACEHOLD ETHNICITY	#65	IV DETAIL EXTRACT	#727.819
PLACEHOLD RACE 1	#66	IV DETAIL EXTRACT	#727.819
PLACEHOLD ASSOC PC PROV NPI	#84	IV DETAIL EXTRACT	#727.819
PLACEHOLD PC PROVIDER NPI	#86	IV DETAIL EXTRACT	#727.819
FACILITY	#3	LABORATORY EXTRACT	#727.813
IN OUT PATIENT INDICATOR	#7	LABORATORY EXTRACT	#727.813
PLACEHOLD PRIMARY CARE TEAM	#20	LABORATORY EXTRACT	#727.813
PLACEHOLD PC PROVIDER	#21	LABORATORY EXTRACT	#727.813
PLACEHOLD PC PROV PERSON CLASS	#26	LABORATORY EXTRACT	#727.813
PLACEHOLD ASSOC PC PROVIDER	#27	LABORATORY EXTRACT	#727.813
PLACEHOLD AS PC PROV PERSON CL	#28	LABORATORY EXTRACT	#727.813
PRODUCTION DIVISION	#35	LABORATORY EXTRACT	#727.813
PLACEHOLD ASSOC PC PROV NPI	#39	LABORATORY EXTRACT	#727.813
PLACEHOLD PC PROVIDER NPI	#40	LABORATORY EXTRACT	#727.813
CPT, QTY & MODIFIERS #1	#53	LABORATORY EXTRACT	#727.813
IN OUT PATIENT INDICATOR	#7	LAB RESULTS EXTRACT	#727.824
PLACEHOLD RESULTS	#10	LAB RESULTS EXTRACT	#727.824
LONG RESULT	#36	LAB RESULTS EXTRACT	#727.824
IN OUT PATIENT INDICATOR	#7	PHYSICAL MOVEMENT EXTRACT	#727.808
ADMISSION DATE	#10	PHYSICAL MOVEMENT EXTRACT	#727.808
DISCHARGE DATE	#11	PHYSICAL MOVEMENT EXTRACT	#727.808
ADMISSION TIME	#21	PHYSICAL MOVEMENT EXTRACT	#727.808
IN OUT PATIENT INDICATOR	#7	PRESCRIPTION EXTRACT	#727.81

Field Name	Field Numbe r	File Name	File Number
PLACEHOLD PRIMARY CARE TEAM	#30	PRESCRIPTION EXTRACT	#727.81
PLACEHOLD PC PROVIDER	#31	PRESCRIPTION EXTRACT	#727.81
PLACEHOLD RACE	#33	PRESCRIPTION EXTRACT	#727.81
PLACEHOLD PC PROV PERSON CLASS	#42	PRESCRIPTION EXTRACT	#727.81
PLACEHOLD ASSOC PC PROVIDER	#51	PRESCRIPTION EXTRACT	#727.81
PLACEHOLD AS PC PROV PERSON CL	#52	PRESCRIPTION EXTRACT	#727.81
PLACEHOLD ETHNICITY	#71	PRESCRIPTION EXTRACT	#727.81
PLACEHOLD RACE 1	#72	PRESCRIPTION EXTRACT	#727.81
PLACEHOLD ASSOC PC PROV NPI	#94	PRESCRIPTION EXTRACT	#727.81
PLACEHOLD PC PROVIDER NPI	#95	PRESCRIPTION EXTRACT	#727.81
IN OUT PATIENT INDICATOR	#7	PROSTHETICS EXTRACT	#727.826
PLACEHOLD PRIMARY CARE TEAM	#12	PROSTHETICS EXTRACT	#727.826
PLACEHOLD PC PROVIDER	#13	PROSTHETICS EXTRACT	#727.826
PLACEHOLD PC PROV PERSON CLASS	#40	PROSTHETICS EXTRACT	#727.826
PLACEHOLD RACE	#41	PROSTHETICS EXTRACT	#727.826
PLACEHOLD ASSOC PC PROVIDER	#50	PROSTHETICS EXTRACT	#727.826
PLACEHOLD AS PC PROV PERSON CL	#51	PROSTHETICS EXTRACT	#727.826
PLACEHOLD ETHNICITY	#65	PROSTHETICS EXTRACT	#727.826
PLACEHOLD RACE 1	#66	PROSTHETICS EXTRACT	#727.826
PLACEHOLD ASSOC PC PROV NPI	#85	PROSTHETICS EXTRACT	#727.826
PLACEHOLD PC PROVIDER NPI	#86	PROSTHETICS EXTRACT	#727.826
IN OUT PATIENT INDICATOR	#7	QUASAR EXTRACT	#727.825
PLACEHOLD PRIMARY CARE TEAM	#26	QUASAR EXTRACT	#727.825
PLACEHOLD PC PROVIDER	#27	QUASAR EXTRACT	#727.825
PLACEHOLD PC PROV PERSON CLASS	#47	QUASAR EXTRACT	#727.825
PLACEHOLD ASSOC PC PROVIDER	#49	QUASAR EXTRACT	#727.825
PLACEHOLD AS PC PROV PERSON CL	#50	QUASAR EXTRACT	#727.825
PLACEHOLD ETHNICITY	#72	QUASAR EXTRACT	#727.825
PLACEHOLD RACE 1	#73	QUASAR EXTRACT	#727.825
PLACEHOLD ASSOC PC PROV NPI	#92	QUASAR EXTRACT	#727.825
PLACEHOLD PC PROVIDER NPI	#93	QUASAR EXTRACT	#727.825
IN OUT PATIENT INDICATOR	#7	RADIOLOGY EXTRACT	#727.814
PLACEHOLD PRIMARY CARE TEAM	#21	RADIOLOGY EXTRACT	#727.814

Field Name	Field Numbe r	File Name	File Number
PLACEHOLD PC PROVIDER	#22	RADIOLOGY EXTRACT	#727.814
PLACEHOLD PC PROV PERSON CLASS	#27	RADIOLOGY EXTRACT	#727.814
PLACEHOLD ASSOC PC PROVIDER	#28	RADIOLOGY EXTRACT	#727.814
PLACEHOLD AS PC PROV PERSON CL	#29	RADIOLOGY EXTRACT	#727.814
PLACEHOLD ASSOC PC PROV NPI	#44	RADIOLOGY EXTRACT	#727.814
PLACEHOLD PC PROVIDER NPI	#46	RADIOLOGY EXTRACT	#727.814
IN OUT PATIENT INDICATOR	#7	SURGERY EXTRACT	#727.811
PLACEHOLD PRIMARY CARE TEAM	#34	SURGERY EXTRACT	#727.811
PLACEHOLD PC PROVIDER	#35	SURGERY EXTRACT	#727.811
PLACEHOLD PC PROV PERSON CLASS	#43	SURGERY EXTRACT	#727.811
PLACEHOLD ASSOC PC PROVIDER	#44	SURGERY EXTRACT	#727.811
PLACEHOLD AS PC PROV PERSON CL	#45	SURGERY EXTRACT	#727.811
PLACEHOLD ETHNICITY	#59	SURGERY EXTRACT	#727.811
PLACEHOLD RACE 1	#60	SURGERY EXTRACT	#727.811
PLACEHOLD ASSOC PC PROV NPI	#92	SURGERY EXTRACT	#727.811
PLACEHOLD PC PROVIDER NPI	#94	SURGERY EXTRACT	#727.811
IN OUT PATIENT INDICATOR	#7	TREATING SPECIALTY CHANGE EXTRACT	#727.817
IN OUT PATIENT INDICATOR	#7	UNIT DOSE LOCAL EXTRACT	#727.809
ADMISSION DATE	#20	UNIT DOSE LOCAL EXTRACT	#727.809
ADMISSION TIME	#21	UNIT DOSE LOCAL EXTRACT	#727.809
PLACEHOLD PRIMARY CARE TEAM	#50	UNIT DOSE LOCAL EXTRACT	#727.809
PLACEHOLD PC PROVIDER	#51	UNIT DOSE LOCAL EXTRACT	#727.809
PLACEHOLD PC PROV PERSON CLASS	#53	UNIT DOSE LOCAL EXTRACT	#727.809
PLACEHOLD ASSOC PC PROVIDER	#54	UNIT DOSE LOCAL EXTRACT	#727.809
PLACEHOLD AS PC PROV PERSON CL	#56	UNIT DOSE LOCAL EXTRACT	#727.809
PLACEHOLD ETHNICITY	#60	UNIT DOSE LOCAL EXTRACT	#727.809
PLACEHOLD RACE 1	#61	UNIT DOSE LOCAL EXTRACT	#727.809
PLACEHOLD ASSOC PC PROV NPI	#79	UNIT DOSE LOCAL EXTRACT	#727.809
PLACEHOLD PC PROVIDER NPI	#80	UNIT DOSE LOCAL EXTRACT	#727.809

6.3.1 Templates and File Flow

Perform the steps listed in Table 10 from the Systems Manager Menu are used to obtain information about the templates and mapped file-flow relationships for DSS Extracts when all patches are installed.

Table 10: Steps to List DSS Templates & Map Menu Options

Step	Actions/Menu Options for Templates	Actions/Menu Options for File Flows (Relationships between Files)
1	VA FileMan	VA FileMan
2	Print File Entries	Data Dictionary Utilities
3	OUTPUT FROM WHAT FILE: Print Template or Sort Template	Map Pointer Relations
4	SORT BY: NAME// Name	Select PACKAGE NAME: DSS EXTRACTS
5	START WITH NAME: FIRST// ECX	Remove FILE: < Enter>
6	GO TO NAME: LAST// ECXZ	Add FILE:
		> Enter name or number for files to include in the output.
		Note: This prompt will repeat.
7	WITHIN NAME, SORT BY: < Enter>	Add FILE: <enter></enter>
8	FIRST PRINT FIELD: Name	Enter name of file group for optional graph header: DSS EXTRACTS// <enter></enter>
9	THEN PRINT FIELD: < Enter>	DEVICE: <enter> HOME (CRT) <enter></enter></enter>
10	Heading (S/C): PRINT TEMPLATE LIST// <enter></enter>	Not Applicable (N/A)
11	START AT PAGE: 1// <enter></enter>	N/A
12	DEVICE: < Enter> HOME (CRT) Right Margin: 80// < Enter>	N/A

7 Exported Options

This section provides relevant information on DSS application software exported options.

7.1 Menu Online

The DSS Extracts software contains one primary menu option, Extract Manager's Options [ECXMGR], which contains options for the following six submenus. These options are fixed and are not subject to modification except by the Software Developers. These options are accessed by entering Extract Manager's Options from the Systems Manager Menu; the menu options are listed in Table 11.

 Menu Option
 Description

 M
 Maintenance

 R
 Pre-Extract Audit Reports

 P
 Package Extracts

 S
 SAS Extract Audit Reports

 E
 Extract Audit Reports

 T
 Transmission Management

Table 11: Extract Manager's Options

7.2 Menu Diagrams

From the Systems Manager Menu, perform the following steps listed in Table 12 to obtain information concerning the menus exported with the DSS Extracts software:

Step	Action/Menu Option	
1	Menu Management	
2	Display Menus and Options	
3	Menu Diagrams (with Entry/Exit Actions)	
4	Select USER (U.xxxxx) or OPTION (O.xxxxx) name: ECXMGR	
5	DEVICE: HOME// <enter> HOME (CRT) Right Margin: 80// <enter></enter></enter>	

Table 12: Steps to Obtain Information on Exported Menus

7.3 Stand-alone Options

All of the DSS Extracts options are designed to be stand-alone.

7.4 VA FileMan Access Codes

Table 13 lists the recommended VA FileMan access codes for the DSS Extract Software.

Table 13: VA FileMan Access Codes

File Name	File #	Data Definition (DD)	Read Access (RD)	Write Access (WR)	Delete Access (DEL)	Learn-As- You-Go (LAYGO)
DSS EXTRACT LOG	727	@	N/A	@	@	@

File Name	File #	Data Definition (DD)	Read Access (RD)	Write Access (WR)	Delete Access (DEL)	Learn-As- You-Go (LAYGO)
EXTRACT DEFINITIONS	727.1	٨	N/A	۸	۸	٨
DSS LOINC FILE	727.29	٨	N/A	۸	۸	٨
DSS DIVISION IDENTIFIER	727.3	٨	N/A	۸	۸	٨
DSS WARD	727.4	٨	N/A	۸	۸	٨
DSS MH TESTS	727.5	٨	N/A	۸	۸	٨
LAB RESULTS TRANSLATION	727.7	@	N/A	N/A	N/A	N/A
ADMISSION EXTRACT	727.802	@	@	@	@	@
CLINIC NOSHOW EXTRACT	727.804	N/A	N/A	N/A	N/A	N/A
NURSING EXTRACT	727.805	N/A	N/A	N/A	N/A	N/A
DENTAL EXTRACT	727.806	N/A	N/A	N/A	N/A	N/A
PHYSICAL MOVEMENT EXTRACT	727.808	@	@	@	@	@
UNIT DOSE LOCAL EXTRACT	727.809	@	@	@	@	@
PRESCRIPTION EXTRACT	727.81	@	@	@	@	@
SURGERY EXTRACT	727.811	@	@	@	@	@
LABORATORY EXTRACT	727.813	@	@	@	@	@
RADIOLOGY EXTRACT	727.814	@	@	@	@	@
EVENT CAPTURE LOCAL EXTRACT	727.815	@	@	@	@	(9)
CLINIC I EXTRACT	727.816	@	@	@	@	@
TREATING SPECIALTY CHANGE EXTRACT	727.817	@	@	@	@	@
CLINIC II EXTRACT	727.818	@	@	@	@	@
IV DETAIL EXTRACT	727.819	@	@	@	@	@
ADMISSION SETUP EXTRACT	727.82	@	@	@	@	@
PHYSICAL MOVEMENT SETUP EXTRACT	727.821	@	@	@	@	@
TREATING SPECIALTY CHANGE SETUP EXTRACT	727.822	@	@	@	@	@
PAI EXTRACT	727.823	N/A	N/A	N/A	N/A	N/A
LAB RESULTS EXTRACT	727.824	@	@	@	@	@
QUASAR EXTRACT	727.825	@	@	@	@	@
PROSTHETICS EXTRACT	727.826	@	@	@	@	@
CLINIC EXTRACT	727.827	@	@	@	@	@
BLOOD BANK EXTRACT	727.829	@	@	@	@	@
DSS TREATING SPECIALTY TRANSLATION	727.831	@	@	@	@	@

File Name	File #	Data Definition (DD)	Read Access (RD)	Write Access (WR)	Delete Access (DEL)	Learn-As- You-Go (LAYGO)
BCMA EXTRACT	727.833	@	@	@	@	@
DSS EXTRACTS	728	@	N/A	@	@	@
IV EXTRACT DATA	728.113	@	@	@	@	@
CLINICS AND STOP CODES	728.44	@	N/A	@	@	@
NATIONAL CLINIC	728.441	@	N/A	@	@	@
DSS DRUG PRODUCT CODE	728.506	N/A	N/A	N/A	N/A	N/A
UNIT DOSE EXTRACT DATA	728.904	@	@	@	@	@
DSS PRODUCTION UNIT	729	٨	N/A	٨	٨	۸

7.5 Security Management

There are no additional security management related concerns associated with the DSS application.

The DSS Extracts software does not impose any additional legal requirements on the user, nor does it relieve the user of any legal requirements.

7.6 Security Keys

From the System Manager's Menu, perform the steps listed in Table 14 to obtain the security keys information contained in the DSS Extracts Package:

Step **Action/Menu Option** VA FileMan 1 2 **Print File Entries** 3 Output from what File: AUDIT// SECURITY KEY 4 Sort by: NAME// < Enter> 5 Start with NAME: FIRST// ECX 6 Go to NAME: LAST// ECXZ 7 Within NAME, Sort by: < Enter> 8 First Print FIELD: NAME Then Print FIELD: **DESCRIPTION** (word-processing) 9 10 Then Print FIELD: < Enter> 11 Heading (S/C): SECURITY KEY List// < Enter> 12 START at PAGE: 1// < Enter> 13 DEVICE: HOME (CRT) Right Margin: 80// < Enter>

Table 14: Steps to Obtain Security Key Information

7.7 Mail Groups and Alerts

DSS Extracts utilize a number of mail groups. The name of each mail group is prefaced with the letters "DSS". There is a mail group for each type of data extract (e.g., DSS-BCM, DSS-ADM, etc.) for the purpose of receiving messages when extracts are generated and data is transmitted to the AITC. DSS

also utilizes mail groups DMS, DMV and DMU for the purpose of receiving confirmation messages from the AITC. DSS Extracts do not utilize alerts.

7.8 Remote Systems

DSS Extracts transmit messages containing extracted data to a specified queue located at the AITC. Data is transmitted via VA MailMan at the site's discretion. Confirmation messages are received from the AITC indicating the extract messages were successfully transmitted.

7.9 Contingency Planning

Technical users of the DSS software should ensure that a local contingency plan is used in the event of application problems in a live environment. The plan should identify the procedure(s) for maintaining the functionality provided by the DSS Extracts software in the event of a system outage. Field Station ISOs can get assistance from the RISO.

7.10 Interfacing

There is no special interfacing required for the VistA DSS Extracts software.

7.11 Electronic Signatures

The DSS Extracts software does not use electronic signatures.

DSS FY19 ECX*3.0*170 21 Release: November 2018

8 Archiving, Deleting or Purging

This section provides information on DSS application software features related to archiving, deleting, and purging of DSS data.

8.1 Archiving

DSS Extracts have no archiving capability. There is an option to delete the local extract files after transmission to the commercial software.

8.2 Deleting or Purging

DSS Extracts export the Delete Extract Files [ECXDELEF] option which can be used to delete individual extracts residing in files #727.802 through #727.833, or a range of extracts.

Data that resides in the holding files for VBECS (VBECS DSS EXTRACT file (#6002.03)), IVP (IV EXTRACT DATA file (#728.113)), and UDP (UNIT DOSE EXTRACT DATA file (#728.904)) extracts can be purged using the Purge Extract Holding Files [ECXPURG].

Extreme caution should be exercised when purging or deleting data for the following reasons:

- Any existing extract may be deleted (including transmitted and un-transmitted), as well as extracts that did not run to completion due to errors or system problems.
- Choosing a range of extracts or holding files sometimes results in an excessively large number of
 records to be deleted or purged, and may be very resource intensive. These tasks should be
 scheduled for non-peak hours, and the number of deleted or holding files purged should be limited to
 a single queued session.
- Extreme caution must be used when performing maintenance to the IV EXTRACT DATA file
 (#728.113) and the UNIT DOSE EXTRACT DATA file (#728.904). If data in either file is purged, the
 IVP or UDP monthly extract may be incomplete. It is strongly recommended that, at a minimum, sites
 maintain all data from the *current fiscal year*.
- A user can only delete extracts that are associated with the division assigned in their NEW PERSON file (#200).
- Two functions were created to regenerate IVP and UDP holding file data that has been purged.
 These functions are located at:
 - Extract Manager's Options > Transmission Management > Recreate Extract Holding Files

The functions are listed in Table 15:

Table 15: Recreate IVP & UDP Holding File Options

Option	Description
I	Recreate IVP Extract Holding File (#728.113)
U	Recreate UDP Extract Holding File (#728.904)

8.2.1 Recommendations

Purging of any local VistA extract data or VistA source of extract data (i.e., lab data, etc.) is not recommended until a facility has successfully created extracts, transmitted them to the AITC, audited the counts, loaded the data into DSS, and the validation results are successful.

The IV EXTRACT DATA file (#728.113) and UNIT DOSE EXTRACT DATA file (#728.904) can become quite large if appropriate purging is not performed. The file purge option, Purge Extract Holding Files [ECXPURG], removes the data from these files by date range. It is recommended that records over two fiscal years old should be purged from the IV EXTRACT DATA file (#728.113) and the UNIT DOSE EXTRACT DATA file (#728.904).

VBECS holding files can also be purged. The VBECS holding file cannot be regenerated; therefore, extreme care must be used when purging these files.

Technical Manual 9 – External Relations

9 External Relations

This section contains information related to external packages with which the DSS application software interacts.

9.1 Minimum Software Versions Required

The DSS Extract Package relies on the following external packages based upon the minimum software versions depicted in Table 16.

Table 16: External Package Minimum Versions Required

Software Product Name	Acronym	Minimum Version Required
Admission Discharge Transfer	ADT	5.3
Bar Code Medication Administration	BCMA	3.0
DSS Extracts	DSS	3.0
Event Capture	-	2.0
FileMan	-	22.2
Health Level 7	HL7	1.6
Kernel	-	8.0
Laboratory	-	5.2
Lab: Blood Bank	-	5.2
MailMan	-	8.0
Mental Health	-	5.01
Order Entry/Results Reporting	OE/RR	3.0
Patient Care Encounter	PCE	1.0
Pharmacy: Data Management	PDM	1.0
Pharmacy: Inpatient Medications	-	5.0
Pharmacy: National Drug File	NDF	4.0
Pharmacy: Outpatient Pharmacy	-	7.0
Prosthetics	-	3.0
Quality: Audiology and Speech Pathology Audit & Review	QUASAR	3.0
Radiology	-	5.0
Registration	-	5.3
Scheduling	-	5.3
Surgery	-	3.0

DSS FY19 ECX*3.0*170 24 Release: November 2018

Technical Manual 9 – External Relations

9.2 Database Integration Agreements (DBIAs)

Perform the steps in Table 17 from the FORUM Menu to obtain the DBIAs for DSS Extracts 3.0:

Table 17: Steps to Obtain DBIAs

Step	Custodial Package	Subscriber Package
1	DBA MENU	DBA MENU
2	INTEGRATION CONTROL REGISTRATIONS (ICR)	INTEGRATION CONTROL REGISTRATIONS
3	Custodial Package Menu	Subscriber Package Menu
4	ACTIVE ICRs by Custodial Package	Print ACTIVE by Subscribing Package
5	Select PACKAGE NAME: DSS	START WITH SUBSCRIBING PACKAGE: A// DSS
6	DEVICE: HOME// <enter> SSH VIRTUAL TERMINAL <enter> Note: Secure Shell (SSH)</enter></enter>	GO TO SUBSCRIBING PACKAGE: ZZZ// DSS
7	N/A	DEVICE: <enter> SSH VIRTUAL TERMINAL</enter>

Technical Manual 10 – Internal Relations

10 Internal Relations

All of the DSS Extracts options have been designed to be stand-alone options. Each option may be independently invoked.

DSS FY19 ECX*3.0*170 26 Release: November 2018

11 Package-wide Variables

The DSS Extracts software does not contain any package-wide variables that must be defined or are required for the package to run.

12 How to Generate Online Documentation

This section describes some of the various methods for users to access DSS Technical documentation. Online DSS technical documentation pertaining to the DSS software, in addition to that which is located in the Help prompts and Online Help screens, are imbedded throughout the DSS package and can be accessed through utilization of several KERNEL options. These include, but are not limited to, *XINDEX*, *Menu Management Inquire Option File*, *Print Option File*, and *FileMan List File Attributes*.

Entering question marks at the "Select ... Option:" prompt provides users with valuable technical information. For example:

- A single question mark (?) lists all options accessible from the current option.
- Entering two question marks (??) lists all options accessible from the current option displaying the formal name and lock for each.
- Three question marks (???) displays a brief description for each option in a menu while an option name preceded by a single question mark (?) displays extended Help, if available, for that option.

To obtain a listing of the available options and additional information about other utilities for online technical information, refer to the VistA Kernel Technical Manual.

12.1 XINDEX

This option analyzes the structure of a routine(s) to determine if the routine(s) adhere(s) to VistA Programming Standards. The XINDEX output includes the following components:

- Compiled list of errors and warnings
- Routine listing
- Local variables
- Global variables
- Naked globals
- Label references
- External references

When the user executes XINDEX for a specified set of routines, deviations from VistA Programming Standards in the selected routine(s) and routines interactions including routines called or called by other routines, are displayed.

To run XINDEX for the DSS software, specify the following namespaces at the "routine(s)? >" prompt: **ECX***.

When XINDEX runs the DSS initialization routines residing in the User Class Identifier (UCI), compiled template routines and local routines found within the ECX namespace should be omitted at the "routine(s)?" prompt. To omit routines from selection, prefacing the namespace with a minus sign (-) is required.

12.2 Inquire to Option File

To access information about DSS options, the user must specify the name or namespace of the desired option(s). The Menu Manager option provides the following information about user-specified option(s):

Option name

- Menu text
- Option description
- Type of option
- Lock (if any)

12.3 Print Options File

Use this utility to generate a listing of options from the OPTION file (#19). Users can choose to print all of the entries in this file specifying a single option or a range of options. To obtain a list of DSS options, enter "ECX" when prompted for the namespace.

12.4 List File Attributes

Use the "List Attributes" option in FileMan to generate documentation pertaining to files and file structures. Use the Standard format option to obtain the following data dictionary information for a specified file(s):

- File name and description
- Identifiers
- Cross-references
- Files pointed to by the file specified
- Files which point to the file specified
- Input, print, and sort templates

In addition, the following information is supplied for each field in the selected file:

- Field name and number
- Global location
- Description
- Help prompt
- Cross-reference(s)
- Input transform
- Date last edited
- Notes

Use the Global Map format option to generate an output listing of the following:

- All cross-references for the selected file
- Global location of each field in the file
- Input, print, and sort templates

Appendix A Acronyms and Abbreviations

Abbreviations and acronyms used throughout the DSS Technical Manual appear in Table 18.

Table 18: Acronyms and Abbreviations Table

Acronym	Description
ADM	Admissions Extract
ADPAC	Automated Data Processing Application Coordinator
ADT	Admission Discharge Transfer
AITC	Austin Information Technology Center
API	Application Programmer Interface
BCM	BCMA Extract
ВСМА	Bar Code Medication Administration
CBOC	Community Based Outpatient Clinic
CLI	Clinic Extract
CPT	Current Procedural Terminology
CRT	Cathode Ray Tube
DBA	Database Administrator
DBIA	Database Integration Agreement
DCM	Department Cost Manager
DD	Data Dictionary
DEC	Digital Equipment Corporation
DEL Access	Delete Access
DSS	Decision Support System
ECS	Event Capture Extract
ECQ	QUASAR Extract
ECX	DSS Extracts Namespace
HL7	Health Level 7
ICD	International Classification of Diseases
ICR	Integration Control Registration
IEN	Internal Entry Number
IRM	Information Resource Management
ISO	Information Security Officer
IV	Intravenous
IVP	IV Detail Extract
LAB	Laboratory Extract
LAR	Lab Results Extract
LAYGO	Learn-As-You-Go
LBB	Blood Bank Extract
LOINC	Logical Observation Identifiers, Names, and Codes

Acronym	Description
MCAO	Managerial Cost Accounting Office
MOV	Physical Movement Extract
N/A	Not Applicable
NDC	National Drug Code
NDF	National Drug File
OE/RR	Order Entry/Results Reporting
PCE	Patient Care Encounter
PDM	Pharmacy Data Management
PRE	Prescription Extract
PRO	Prosthetics Extract
QUASAR	Quality: Audiology and Speech Pathology Audit & Review
RAD	Radiology Extract
RD	Read Access
RISC	Reduced Instruction Set Computer/Computing
RISO	Regional Information Security Officer
SAS	Statistical Analysis System
SSH	Secure Shell
SUR	Surgery Extract
TRT	Treating Specialty Change Extract
UCI	User Class Identifier
UDP	Unit Dose Local Extract
VA	Department of Veterans Affairs
VAMC	Veterans Affairs Medical Center
VBECS	VistA Blood Establishment Computer Software
VDL	VA Software Document Library
VHA	Veterans Health Administration
VistA	Veterans Health Information Systems and Technology Architecture
WR Access	Write Access

Technical Manual Appendix B – Glossary

Appendix B Glossary

Table 19 lists terms used throughout the Technical Manual.

Table 19: Glossary

Term	Definition
FileMan	This system implements the VistA database engine and is the basis for several patient safety controls, as well as fiscal integrity controls. It implements security, confidentiality, and privacy controls, and is a critical component in meeting the requirements of Enterprise Architecture.
Kernel	This system implements security, confidentiality, and privacy controls for VistA, including user authentication algorithms. It provides many tools for the safe construction of local software, and it implements many national control files, including, but not limited to, New Person, Institution, State, etc. This system is a critical component in meeting the requirements of Enterprise Architecture.
Remote Procedure Call (RPC)	This system supports client and/or server messaging used by CPRS, Bar Code Medication Administration (BCMA), and others, to access the MUMPS database through APIs. It provides a development kit for local development, and it implements security, confidentiality, and privacy controls. This system is a critical component in meeting the requirements of Enterprise Architecture.

Technical Manual Appendix D – Index

Appendix C References and Related Materials

Table 20 lists the manuals related to DSS that are available to view on the <u>VA Software Document Library (VDL) for DSS</u> and the <u>VDL for the Kernel Infrastructure</u>.

Table 20: Reference & Related Manuals on the VDL

File Name	Manual Name	Description
DSS FY19 Installation/Rollback Guide	DSS Extracts V3.0 Installation/Rollback Guide	Provides instructions on the installation of DSS Extracts application software.
DSS_3_FY2019_D D	DSS Extracts V3.0 Data Definitions	Provides detailed information that defines the data terminology.
DSS_3_FY2019_U M	DSS Extracts V3.0 User Manual	Provides guidance for users of the DSS application software.
DSS_3_FY2019_R N	DSS Extracts V3.0 Release Notes	Provides an overview of the new functionality and enhancements on the current release of the DSS application software.
Kernel Technical Manual	VistA Kernel Technical Manual Version 8.0	Provide users with technical information for Kernel operations.

DSS FY19 ECX*3.0*170 C-1 Release: November 2018

Technical Manual Appendix D – Index

Appendix D Index

ADPAC	
AITC	
Alerts	
Application Programmer Interfaces	
Archiving	
Background Job Options	2
Callable Routines	
CBOC	
Contingency Planning	20
CPT	
Data Transmission	
Database Integration Agreements	
DBA	
DBIA	
Deleting	
ECX namespace	
Electronic Signatures	
Entry Points	
Exported Options	
External Interfaces	
External Relations	
Field List	
File Flow	
File List	
FileMan	
FileMan Access Codes	
Files	
Functions of the Software	
General Information	
Global Placement	
Help	
IEN	
Implementation	
Information Resource Management	
Information Security Officers	
Inquire To Option File	
Interfacing	
Internal Relations	
Introduction	
Kernel	
List File Attributes	
Mail Groups	
MailMan	
Maintenance	
MCA	
MCAO	
Menu Diagrams	
Menu Online	
Minimum Software Versions Required	
Namespace	
Online Documentation	
Online Help Screens	
r	

Technical Manual Appendix D – Index

Orientation	1
Overview	
Package-Wide Variables	26
Print Options File	28
Purging	21
Purpose	
Remote Systems	
Resource Requirements	
RISO	
Routine List	8
Routines	8
Routines to Map	
SAS	2, 7
Security Keys	
Security Management	
Standalone Options	
Statistical Analysis System	2
TaskMan	2
TaskManager	2
Templates	
UCI	27
User Class Identifier	27
User Responses	1
VBECS	2, 21, 22
VistA	
XINDEX	27