

# DISTRIBUTION STANDARD SYSTEM (DSS)

## EQUIPMENT CONTROL SYSTEM (ECS)

### DATABASE DESIGN DESCRIPTION (DBDD) (DI-IPSC-81437)

Revision 7/Change 5



U.S. DEPARTMENT OF DEFENSE  
DEFENSE LOGISTICS AGENCY  
April 14, 2004

Prepared by:  
DLA Systems Integration Office  
for Distribution and Base Support (DSIO)  
New Cumberland, PA

Prepared for:  
Defense Distribution Center  
(DDC)  
New Cumberland, PA

Developer	Acquirer
-----------	----------

Official Signatures

**TABLE OF CONTENTS**

1.0	SCOPE .....	1
1.1	Identification .....	1
1.2	Database Overview .....	1
1.3	Document Overview .....	1
2.0	REFERENCED DOCUMENTS .....	1
3.0	DATABASE-WIDE DESIGN DECISIONS .....	1
4.0	DETAILED DESIGN OF THE DATABASE (except Lower Tier New Cumberland) .....	1
4.1	Upper Tier Tables .....	2
4.1.1	Tray Format Detail (TFD) .....	2
4.1.1.1	Data Elements In TFD .....	2
4.1.1.2	TFD Key Access .....	2
4.1.2	Shipment Units in the Pack Station Carousel (SUC) .....	3
4.1.2.1	Data Elements In The SUC .....	3
4.1.2.2	SUC Key Access .....	3
4.1.3	Parameter Record Formats .....	4
4.1.3.1	DAWS/DSS Terminal Cross Reference Parameter .....	4
4.1.3.2	ECS Type Receipt Parameter .....	4
4.1.3.3	ECS Parameter Record .....	5
4.2	Upper Tier Table Changes .....	6
4.2.1	General Work Queue (GWQ) .....	6
4.2.1.1	Data Elements In The GWQ .....	7
4.2.1.2	GWQ Key Access .....	9
4.2.2	Aisle Work Header (AWH) .....	10
4.2.2.1	Data Elements In The AWH .....	10
4.2.2.2	AWH Key Access .....	11
4.2.3	Pallet ID Table (PIT) .....	12
4.2.3.1	Data Elements In The PIT .....	12
4.2.4	Material Movement Table .....	13
4.2.5	RF Pick Work Table .....	13
4.2.6	RF Conveyance ID Header Table (RCH) .....	13
4.2.7	RF Conveyance ID Detail Table (RCD) .....	14
4.3	Lower Tier Tables .....	15
4.3.1	AGVS Record .....	15
4.3.1.1	Data Elements In The AGVS .....	15
4.3.1.2	AGVS Key Access .....	15
4.3.2	ALAN Record .....	16

# DISTRIBUTION STANDARD SYSTEM

## Equipment Control System

April 14, 2004

4.3.2.1	Data Elements In The ALAN .....	16
4.3.2.2	ALAN Key Access .....	16
4.3.3	AMVE Record .....	17
4.3.3.1	Data Elements in the AMVE .....	17
4.3.3.2	AMVE Key Access.....	17
4.3.4	AREA Record .....	18
4.3.4.1	Data Elements In The AREA.....	18
4.3.4.2	AREA Key Access.....	18
4.3.5	ASAQ Record .....	19
4.3.5.1	Data Elements In The ASAQ.....	19
4.3.5.2	ASAQ Key Access.....	19
4.3.6	ASRS Record.....	20
4.3.6.1	Data Elements In The ASRS.....	20
4.3.6.2	ASRS Key Access.....	20
4.3.7	ASUN Record .....	21
4.3.7.1	Data Elements In The ASUN.....	21
4.3.7.2	ASUN Key Access.....	21
4.3.8	ASWQ Record .....	22
4.3.8.1	Data Elements In The ASWQ.....	22
4.3.8.2	ASWQ Key Access.....	22
4.3.9	AWOS Record .....	23
4.3.9.1	Data Elements In The AWOS.....	23
4.3.9.2	AWOS Key Access.....	23
4.3.10	CHNS Record .....	24
4.3.10.1	Data Elements In The CHNS .....	24
4.3.10.2	CHNS Key Access.....	24
4.3.11	CONS Record .....	25
4.3.11.1	Data Elements In The CONS .....	25
4.3.11.2	CONS Key Access.....	25
4.3.12	CNVR Record.....	26
4.3.12.1	Data Elements In The CNVR .....	26
4.3.12.2	CNVR Key Access .....	26
4.3.13	CRSL Record .....	27
4.3.13.1	Data Elements In The CRSL.....	27
4.3.13.2	CRSL Key Access.....	27
4.3.14	HIST Record .....	28

**DISTRIBUTION STANDARD SYSTEM****Equipment Control System**

April 14, 2004

4.3.14.1	Data Elements In The HIST.....	28
4.3.14.2	HIST Key Access.....	28
4.3.15	LANE Record .....	29
4.3.15.1	Data Elements In The LANE.....	29
4.3.15.2	LANE Key Access .....	29
4.3.16	LOAD Record.....	30
4.3.16.1	Data Elements In The LOAD .....	30
4.3.16.2	LOAD Key Access .....	30
4.3.17	MODS Record .....	31
4.3.17.1	Data Elements In The MODS .....	31
4.3.17.2	MODS Key Access .....	32
4.3.18	MOVE Record .....	33
4.3.18.1	Data Elements In The MOVE.....	33
4.3.18.2	MOVE Key Access.....	33
4.3.19	SECT Record .....	34
4.3.19.1	Data Elements In The SECT.....	34
4.3.19.2	SECT Key Access.....	34
4.3.20	SPAL Record .....	35
4.3.20.1	Data Elements In The SPAL.....	35
4.3.20.2	SPAL Key Access.....	35
4.3.21	STKQ Record.....	36
4.3.21.1	Data Elements In STKQ .....	36
4.3.21.2	STKQ Key Access .....	36
4.3.22	STKR Record.....	37
4.3.22.1	Data Elements In The STKR .....	37
4.3.22.2	STKR Key Access .....	37
4.3.23	STND Record.....	38
4.3.23.1	Data Elements In The STND .....	38
4.3.23.2	STND Key Access .....	39
4.3.24	SYST Record .....	40
4.3.24.1	Data Elements In The SYST .....	40
4.3.24.2	SYST Key Access.....	40
4.3.25	TOTE Record.....	41
4.3.25.1	Data Elements In The TOTE .....	41
4.3.25.2	TOTE Key Access .....	41
4.3.26	TRAN Record .....	42

**DISTRIBUTION STANDARD SYSTEM****Equipment Control System**

April 14, 2004

4.3.26.1	Data Elements In The TRAN.....	42
4.3.26.2	TRAN Key Access.....	42
4.3.27	WRKQ Record.....	43
4.3.27.1	Data Elements In WRKQ.....	43
4.3.27.2	WRKQ Key Access .....	43
4.3.28	WKST Record.....	44
4.3.28.1	Data Elements In The WKST .....	44
4.3.28.2	WKST Key Access .....	44
4.3.29	ZONE Record .....	45
4.3.29.1	Data Elements In The ZONE.....	45
4.3.29.2	ZONE Key Access .....	45
5.0	NEW CUMBERLAND - DETAILED DESIGN OF THE LOWER TIER	
	DATABASE .....	1
5.1	New Tables .....	2
5.1.1	ALAN Record.....	2
5.1.1.1	Data Elements In The ALAN .....	2
5.1.1.2	ALAN Key Access .....	2
5.1.2	AMVE Record .....	3
5.1.2.1	Data Elements in the AMVE .....	3
5.1.2.2	AMVE Key Access.....	3
5.1.3	ASAQ Record .....	4
5.1.3.1	Data Elements In The ASAQ.....	4
5.1.3.2	ASAQ Key Access.....	4
5.1.4	ASRS Record .....	5
5.1.4.1	Data Elements In The ASRS.....	5
5.1.4.2	ASRS Key Access.....	5
5.1.5	ASUN Record .....	6
5.1.5.1	Data Elements In The ASUN.....	6
5.1.5.2	ASUN Key Access.....	6
5.1.6	ASWQ Record .....	7
5.1.6.1	Data Elements In The ASWQ.....	7
5.1.6.2	ASWQ Key Access.....	7
5.1.7	AWOS Record .....	8
5.1.7.1	Data Elements In The AWOS.....	8
5.1.7.2	AWOS Key Access.....	8
5.1.8	CHNS Record .....	9
5.1.8.1	Data Elements In The CHNS .....	9

**DISTRIBUTION STANDARD SYSTEM****Equipment Control System**

April 14, 2004

---

5.1.8.2	CHNS Key Access .....	9
5.1.9	CHUT Record .....	10
5.1.9.1	Data Elements In The CHUT .....	10
5.1.9.2	CHUT Key Access .....	10
5.1.10	CONV Record .....	11
5.1.10.1	Data Elements In The CONV .....	11
5.1.10.2	CONV Key Access .....	11
5.1.11	FUNC Record .....	12
5.1.11.1	Data Elements In The FUNC .....	12
5.1.11.2	FUNC Key Access .....	12
5.1.12	GCCN Record .....	13
5.1.12.1	Data Elements In The GCCN .....	13
5.1.12.2	GCCN Key Access .....	13
5.1.13	HIST Record .....	14
5.1.13.1	Data Elements In The HIST .....	14
5.1.13.2	HIST Key Access .....	14
5.1.14	LANE Record .....	15
5.1.14.1	Data Elements In The LANE .....	15
5.1.14.2	LANE Key Access .....	15
5.1.15	MOVE Record .....	16
5.1.15.1	Data Elements In The MOVE .....	16
5.1.15.2	MOVE Key Access .....	16
5.1.16	PALT Record .....	17
5.1.16.1	Data Elements in the PALT .....	17
5.1.16.2	PALT Key Access .....	17
5.1.17	PARM Record .....	18
5.1.17.1	Data Elements In The PARM .....	18
5.1.17.2	Key Access .....	19
5.1.18	PLCS Record .....	20
5.1.18.1	Data Elements In The PLCS .....	20
5.1.18.2	PLCS Key Access .....	20
5.1.19	QUES Record .....	21
5.1.19.1	Data Elements In The QUES .....	21
5.1.19.2	QUES Key Access .....	21
5.1.20	RQST Record .....	22
5.1.20.1	Data Elements In The RQST .....	22

---

**DISTRIBUTION STANDARD SYSTEM****Equipment Control System**

April 14, 2004

---

5.1.20.2	RQST Key Access .....	22
5.1.21	SPAL Record .....	23
5.1.21.1	Data Elements In The SPAL.....	23
5.1.21.2	SPAL Key Access.....	23
5.1.22	TOWC Record .....	24
5.1.22.1	Data Elements In The TOWC.....	24
5.1.22.2	TOWC Key Access.....	24
5.1.23	TOWS Record.....	25
5.1.23.1	Data Elements In The TOWS .....	25
5.1.23.2	TOWS Key Access .....	25
5.1.24	WHSE Record.....	26
5.1.24.1	Data Elements In The WHSE .....	26
5.1.24.2	WHSE Key Access .....	26
5.1.25	WKS2 Record .....	27
5.1.25.1	Data Elements In The WKS2.....	27
5.1.25.2	WKS2 Key Access.....	27
5.1.26	WKST Record.....	28
5.1.26.1	Data Elements In The WKST .....	28
5.1.26.2	WKST Key Access .....	29
6.0	DETAILED DESIGN OF SOFTWARE UNITS.....	1
7.0	NOTES.....	1

**LIST OF TABLES**

Table 4.1.1.1-1 TFD Data Elements Table .....	2
Table 4.1.2.1-1 SUC Data Elements Table.....	3
Table 4.1.3.1-1 DAWS DSS Terminal Cross Reference table .....	4
Table 4.1.3.2-1 ECS Type Receipt Parameter Table .....	5
Table 4.1.3.3-1 ECS Parameter Record Table.....	5
Table 4.2.1.1-1 GWQ Data Elements Table .....	9
Table 4.2.2.1-1 AWH Data Elements Table .....	11
Table 4.2.3.1-1 Data Elements In The PIT Table .....	12
Table 4.2.4-1 Material Movement Table .....	13
Table 4.2.5-1 RF Pick Work Table.....	13
Table 4.2.6-1 RF Conveyance ID Header Table (RCH).....	14
Table 4.2.7-1 RF Conveyance ID Detail Table (RCD) .....	14
Table 4.3.1.1-1 AGVS Data Elements Table.....	15
Table 4.3.2.1-1 ALAN Data Elements Table .....	16
Table 4.3.3.1-1 Data Elements in the AMVE.....	17
Table 4.3.4.1-1 AREA Data Elements Table.....	18
Table 4.3.5.1-1 ASAQ Data Elements Table .....	19
Table 4.3.6.1-1 ASRS Data Elements Table .....	20
Table 4.3.7.1-1 ASUN Data Elements Table .....	21
Table 4.3.8.1-1 ASWQ Data Elements Table.....	22
Table 4.3.9.1-1 AWOS Data Elements Table.....	23
Table 4.3.10.1-1 CHNS Data Elements Table .....	24
Table 4.3.11.1-1 CONS Data Elements Table .....	25
Table 4.3.12.1-1 CNVR Data Elements Table .....	26
Table 4.3.13.1-1 CRSL Data Elements Table.....	27
Table 4.3.14.1-1 HIST Data Elements Table.....	28
Table 4.3.15.1-1 LANE Data Elements Table .....	29
Table 4.3.16.1-1 LOAD Data Elements Table .....	30
Table 4.3.17.1-1 MODS Data Elements Table .....	32
Table 4.3.18.1-1 MOVE Data Elements Table.....	33
Table 4.3.19.1-1 SECT Data Elements Table .....	34
Table 4.3.20.1-1 Data Elements Table.....	35
Table 4.3.21.1-1 STKQ Data Elements Table .....	36
Table 4.3.22.1-1 STKR Data Elements Table .....	37
Table 4.3.23.1-1 STND Data Elements Table .....	39
Table 4.3.24.1-1 SYST Data Elements Table .....	40
Table 4.3.25.1-1 TOTE Data Elements Table .....	41
Table 4.3.26.1-1 TRAN Data Elements Table .....	42
Table 4.3.27.1-1 WRKQ Data Elements Table .....	43
Table 4.3.28.1-1 WKST Data Elements Table .....	44
Table 4.3.29.1-1 Data Elements In The ZONE .....	45
Table 5.1.1.1-1 ALAN Data Elements Table .....	2
Table 5.1.2.1-1 Data Elements in the AMVE.....	3
Table 5.1.3.1-1 ASAQ Data Elements Table .....	4
Table 5.1.4.1-1 ASRS Data Elements Table .....	5
Table 5.1.5.1-1 ASUN Data Elements Table .....	6

**DISTRIBUTION STANDARD SYSTEM****Equipment Control System**

April 14, 2004

---

Table 5.1.6.1-1 ASWQ Data Elements Table.....	7
Table 5.1.7.1-1 AWOS Data Elements Table.....	8
Table 5.1.8.1-1 CHNS Data Elements Table .....	9
Table 5.1.9.1-1 CHUT Data Elements Table.....	10
Table 5.1.10.1-1 CONV Data Elements Table .....	11
Table 5.1.11.1-1 FUNC Data Elements Table.....	12
Table 5.1.12.1-1 GCCN Key Access Table.....	13
Table 5.1.13.1-1 HIST Data Elements Table.....	14
Table 5.1.14.1-1 LANE Data Elements Table.....	15
Table 5.1.15.1-1 MOVE Data Elements Table.....	16
Table 5.1.16.1-1 PALT Data Elements Table.....	17
Table 5.1.17.1-1 PARM Data Elements Table .....	19
Table 5.1.18.1-1 PLCS Data Elements Table.....	20
Table 5.1.19.1-1 QUES Data Elements Table .....	21
Table 5.1.20.1-1 RQST Data Elements Table .....	22
Table 5.1.21.1-1 Data Elements Table.....	23
Table 5.1.22.1-1 TOWC Data Elements Table.....	24
Table 5.1.23.1-1 TOWS Data Elements Table .....	25
Table 5.1.24.1-1 WHSE Data Elements Table .....	26
Table 5.1.25.1-1 WKS2 Data Elements Table.....	27
Table 5.1.26.1-1 WKST Data Elements Table .....	29

---

1.0      **SCOPE**

1.0      **Identification**

The Lower Tier (ECS) will use the Oracle8 for Windows NT commercial relational database product.

The Upper Tier (DSS) uses Datacom/DB relational database product.

2.0      **Database Overview**

Oracle8 is a relational Database Management System (DBMS) that can perform its functions over multiple hardware platforms and maintain DB tables. The DBMS is required to support the lower tier tracking and MHE control required in SECS-RC10.

Datacom/DB is a relation DBMS that performs it's function on multiple large IBM mainframes. It maintains the DSS database tables. The DBMS is required to support the DSS application.

3.0      **Document Overview**

This document covers the new database layout required to support ECS at all mechanized DLA depots.

2.0

**REFERENCED DOCUMENTS**

KPMG Peat Marwick L.L.P report, subject "Lower Tier Standardization Evaluation"

Military Standard Software Development and Documentation Standards, MIL-STD-498

DSDC Project Guide for Implementing CMM Level 2, DSDC 8120.001

DSS Standards & Procedures (MSS/DS-XM0)

Borland C++ Documentation

Microsoft Developer Kit

Microsoft Windows NT Server Documentation

Microsoft SNA Server Documentation

Oracle8 Database and System Administration Guide

Advanced Windows. Jeffrey Richter. ISBN - 1-55615-677-4

Inside Windows NT. Helen Cluster. ISBN - 1-55615-481-X

Mastering Windows NT Programming. B. Myers, E. Hamer. ISBN - 0-7821-1264-1

Programming Windows. Charles Petzold. ISBN - 1-55615-395-3

Windows NT: A Developers Guide. Kevin Goodman. ISBN - 1-55851-306-X

Windows NT Unleashed. Robert Cowart. ISBN - 0-672-30685-9

DDC Environmental Test Plan

ECS Project Management Plan, latest version

DSS INFO/MAN REFERENCE GUIDE for ENVIRONMENTAL TEST, IOC and PRODUCTION

DSS SECS Psuedocoding Standard

DSS ECS Software Development Plan (SDP), DI-IPSC-81427, archived version dated November 1, 1996

Operation Concept Description (OCD), DI-IPSC-81430, latest version

---

Interface Requirements Specifications (IRS), DI-IPSC-81434, archived version dated December 14, 2001

Interface Design Description (IDD), DI-IPSC-81436, latest version

Database Design Description (DBDD), DI-IPSC-81437, latest version

System/Subsystem Specification (SSS), DI-IPSC-81431, latest version

System/Subsystem Design Description (SSDD), DI-IPSC-81432, latest version

Software Design Description (SDD), DI-IPSC-81435, latest version

Software Requirements Specification (SRS), DI-IPSC-81433, latest version

Software Installation Plan (SIP), DI-IPSC-81428, latest version

Software Product Specification (SPS), DI-IPSC-81441, latest version

Software User Manual (SUM), DI-IPSC-81443, latest version

ECS Site Survey - Defense Distribution Depot Hill, UT - Memorandum for the Record, dated November 20, 1995

ECS Site Survey - Defense Distribution Depot San Diego, CA - Memorandum for the Record, dated November 20, 1995

ECS Site Survey - Defense Distribution Depot Jacksonville, FL - Memorandum for the Record, dated March 6, 1996

ECS Site Survey - Defense Distribution Depot Norfolk, VA - Memorandum for the Record, dated March 7, 1996

ECS Site Survey - Defense Distribution Depot Puget Sound, WA - Memorandum for the Record, dated March 15, 1996

ECS Site Survey - Defense Distribution Depot Richmond, VA - Memorandum for the Record, dated August 14, 1996

ECS Site Survey - Defense Distribution Depot Mechanicsburg, PA - Memorandum for the Record, dated August 29, 1996

Amendment to DSS-SP5-376, SCR Amendment for ECS Interface with IMC Walk & Pick

DDSP-D Memorandum for DSDC-MDL through DDRE-T, "Cart Flow Information for Standard ECS" with attachment

ECS Site Survey - Defense Distribution Depot New Cumberland, PA -  
Memorandum for the Record, April 28, 1998

ECS Site Survey - Defense Distribution Depot Tracy, CA - Memorandum for the  
Record, dated February 23, 1999

ECS Site Survey - Defense Distribution Depot Yokosuka, Japan - Memorandum  
for the Record

ECS Site Survey - Defense Distribution Depot Pearl Harbor, Hawaii -  
Memorandum for the Record

ECS Site Survey - Defense Distribution Depot Guam - Memorandum for the  
Record

ECS Site Survey - Defense Distribution Depot Oklahoma City, OK -  
Memorandum for the Record

ECS Site Survey - Defense Distribution Depot Warner Robins, GA -  
Memorandum for the Record

ECS Site Survey - Defense Distribution Depot Red River, TX - Memorandum for  
the record

ECS Design Requirement Criteria For Triax - Defense Distribution Depot  
Norfolk, VA – Design Meeting Minutes 05 December 2000

Technical Specification for Upgrade of TRIAX AS/RS, Bldg. W-143, DDNV -  
TRIAX Project #SP3100-00-C-0027 – Defense Distribution Depot Norfolk, VA

Technical Specification for Active Item Scanner System, Building 2001, DDSP -  
Defense Distribution Depot Susquehanna, PA

Technical Specification for Replace Tote Conveyor System, Floors 1-4, Building  
W-143 DDNV - Defense Distribution Depot Norfolk, VA

Technical Specification for Freight Terminal Mechanization System, Building Y-  
109, DDNV - Defense Distribution Depot Norfolk, VA

Technical Specification for Building 467 Vertical Tote Conveyor Replacement  
Project for DDPW dated July 16, 2002.

The Lower Tier support of ECS at the New Cumberland site requires the creation of a database with eleven new tables.

---

4.0      **DETAILED DESIGN OF THE DATABASE (except Lower Tier New Cumberland)**

The detailed design of the new database tables complied with current DSS database Standards and Procedures. All upper tier tables are contained in section 4-1. All lower tier tables are contained in section 4.3 except for the tables of the New Cumberland site, which are contained in section 5.

**1.0      Upper Tier Tables****1.0.0     Tray Format Detail (TFD)**

The TFD is created to display the locations within a ministacker tray to the user. TFD is the name of the table, while TFDTFDE0 is the name of the APS copy library member.

**1.0.0.0    Data Elements In TFD**

Table 4.1.1.1-1 shows the characteristics of the elements. Project Identifiers are not used and the naming conventions of DSS do not follow DoD standard naming conventions. Neither are incorporated in the table.

<b>NON-TECHNICAL NAME</b>	<b>TECHNICAL NAME</b>	<b>DATA TYPE</b>	<b>SIZE FORMAT</b>	<b>VALUES</b>
Management Organization Identification	MGT-ORG-ID	character	1	
Region Organization Identification	RGN-ORG-ID	character	1	
Facility Identification	FAC-ID	character	2	
Tray Format	TY-FOR	character	2	
Tray Location	TY-LOC	character	2	
Line 1	LNE1	character	31	
Line 2	LNE2	character	31	
Line 3	LNE3	character	31	
Line 4	LNE4	character	31	
Line 5	LNE5	character	31	
Line 6	LNE6	character	31	
Line 7	LNE7	character	31	
Line 8	LNE8	character	31	
Line 9	LNE9	character	31	
Line 10	LNE10	character	31	
Line 11	LNE11	character	31	
Line 12	LNE12	character	31	
Line 13	LNE13	character	31	
Line 14	LNE14	character	31	
Line 15	LNE15	character	31	
Line 16	LNE16	character	31	
Line 17	LNE17	character	31	

**Table 0.0.0.0-1 TFD Data Elements Table****2.0.0.0    TFD Key Access**

The TFD Table is accessed by its native keys, tray format and tray location.

---

 2.0.0      **Shipment Units in the Pack Station Carousel (SUC)**

The SUC is created to determine when all the lines of a multiple shipment order have reached the pack station carousel. The packing processes access this table.

 1.0.0.0      **Data Elements In The SUC**

Table 4.1.2.1-1 shows the characteristics of the elements. Project Identifiers are not used and the naming conventions of DSS do not follow DoD standard naming conventions. Neither are incorporated in the table.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
Management Organization Identification	MGT-ORG-ID	character	1	
Region Organization Identification	RGN-ORG-ID	character	1	
Facility Identification	FAC-ID	character	2	
Ultimate Consignee	ULT-CONSIGNEE	alphanumeric	6	
Julian Day	JULN-DAY	numeric	3	000 thru 366
Partial Indicator	PART-IND	alphanumeric	1	Blank, Y, N
Shipping Document Serial Number	SHPG-DOC-SERNO	numeric	5	
Pack Area	PK-AR	alphanumeric	4	
Pack Lane Station	PK-LANE-STA	alphanumeric	4	
Number of Items in the Carousel	NO-ITEMS-IN-CAROUSEL	numeric	5	

**Table 0.0.0.0-1 SUC Data Elements Table**

 2.0.0.0      **SUC Key Access**

The SUC Table is accessed by its native key Shipment Unit Number (which consists of ultimate consignee, julian day, partial indicator, and shipping document serial number), and pack area lane (which consists of pack area and pack lane station).

**3.0.0 Parameter Record Formats**

All parameter formats are loaded to the parameter database (PAR) and accessed by the 4 character key consisting of a "Pxxx", where xxx is a three digit number.

**1.0.0.0 DAWS/DSS Terminal Cross Reference Parameter**

This parameter is created to allow the user to create a cross reference between the communication logical unit (Tp line name) and the DSS printers that supply CCN label and Military Shipment Labels to the AWOS and Freight processes.

<b>NON-TECHNICAL NAME</b>	<b>TECHNICAL NAME</b>	<b>DATA TYPE</b>	<b>SIZE FORMAT</b>	<b>VALUES</b>
Management Organization Identification	MGT-ORG-ID-D001119	character	1	
Region Organization Identification	RGN-ORG-ID-D001119	character	1	
Facility Identification	FAC-ID-D001119	character	2	
Work Site Code	WORK-SITE-CD-D001119	character	1	
Record ID	REC-ID-D001119	character	4	P119
Option Code	OPTION-CDE-D001119	character	2	
Network Identification	NETWORK-ID-D001119	character	8	
Terminal Identification	TERM-ID-D001119	character	8	
User Identification	USER-ID-D001119	character	8	
Date Last Updated	DT-LAST-UPDT-D001119	character	7	

**Table 0.0.0.0-1 DAWS DSS Terminal Cross Reference table**

**2.0.0.0 ECS Type Receipt Parameter**

This parameter is created to allow the user to supply the destination/s and receipt type code to the receipt induction process.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
Record ID	REC-ID-D001126	character	4	P126
Sequence Code	ECS-SEQ-CD-D001126	character	3	
Receipt Type Code	ECS-RECEIPT-TYP	character	1	
Receipt Description	ECS-RECEIPT-DESC-D001126	character	25	
Receipt Destination	ECS-RECEIPT-DEST-D001126	character	9	
Receipt ESD Destination	ECS-RECEIPT-DEST-D001126	character	9	
Receipt Pick Control Number Indicator	ECS-RECEIPT-PCN-CD-D001126	character	1	Y, N

**Table 0.0.0.0-1 ECS Type Receipt Parameter Table**

### 3.0.0.0      **ECS Parameter Record**

This parameter is created to indicate if ECS is operating at the site. It is accessed by any Upper Tier program that has to generate or process an SMM.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
Management Organization Identification	MGT-ORG-ID-D001119	character	1	
Region Organization Identification	RGN-ORG-ID-D001119	character	1	
Facility Identification	FAC-ID-D001119	character	2	
Work Site Code	WORK-SITE-CD-D001119	character	1	
Record ID	REC-ID-D001195	character	4	P195
Installed Indicator	ECS-INSTALLED-D001195	character	1	Y, N
Printer ID	ECS-PRINTER-ID-D001195	character	8	
Terminal ID	ECS-TERM-ID-D001195	character	8	
Clear Queue Indicator	ECS-CLEAR-QUEUE-D001195	character	1	Y, N

**Table 0.0.0.0-1 ECS Parameter Record Table**

---

2.0      **Upper Tier Table Changes**

1.0.0      **General Work Queue (GWQ)**

The GWQ is created to store Standard Move Messages (SMM) for ministackers and storage carousels. These SMMs will be used as a basis to schedule work for each ministacker and storage carousel. Along with the SMM format, the table will have the following additional fields:

- Stock number,
- Stock description,
- SMM quantity,
- Work Station ID,
- Unit of Issue,
- Cycle Number,
- Pick Type,
- Function Flag, and
- Process Sequence Number.

All fields are defined in the Appendices of the ECS SRS and/or in the DATACOM Data Dictionary. The name of the table will be GWQ; the name of the APS copy library will be GWQGWQE0. Four processes will access this table:

- the Queue Manager,
- the Workstation Manager,
- the Recover Queue Process, and
- the Module Load Process.

1.0.0.0 **Data Elements In The GWQ**

Table 4.2.1.1-1 shows the characteristics of the elements. Project Identifiers are not used and the naming conventions of DSS do not follow DoD standard naming conventions. Neither are incorporated in the table.

<b>NON-TECHNICAL NAME</b>	<b>TECHNICAL NAME</b>	<b>DATA TYPE</b>	<b>SIZE FORMAT</b>	<b>VALUES</b>
Sequence Number	SEQNO	numeric	8	
Management Organization Identification	MGT-ORG-ID	alphanumeric	1	
Region Organization Identification	RGN-ORG-ID	alphanumeric	1	
Facility Identification	FAC-ID	alphanumeric	2	
Session Type	SESS-TYP	character	2	EC
Control Number	CON-NO	alphanumeric	7	
Consolidation Field	SHPT-UNT-NO	alphanumeric	15	
Location	WHS-LOC	alphanumeric	16	
Destination	DEST	alphanumeric	9	
Source	TRML-ID	alphanumeric	9	
Alt. Destination	ALT-DEST	alphanumeric	9	
Second Alt. Destination	SEC-ALT-DEST	alphanumeric	9	
Chain Structure	CHAIN	numeric	4	
Conveyance ID	CONVEY-ID	alphanumeric	7	
Second Conveyance ID	SEC-CONVEY-ID	alphanumeric	7	
Handling Unit	SMM-HDLG-UNIT	character	1	Blank, P, T
Priority	1PG	character	1	Blank, 1, 2, 3
Flag	SMM-FLAG	character	1	R, C, E, W, L, P, D, N, P
Work Type	SMM-TYPE	character	1	P, S, C, L
Quantity	SURV-COUNT	alphanumeric	2	
Datetime Stamp	DATE	alphanumeric	8	Julian date (YYYYDDDb)
Stock Number	STK-NO	alphanumeric	13	
Stock Description	NOUN	alphanumeric	10	
SMM Quantity	SMM-QTY	numeric	7	

DISTRIBUTION STANDARD SYSTEM  
Equipment Control System

April 14, 2004

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
Process Flag	PROC-IND	alphanumeric	1	
Project Code	PRJ-CD	alphanumeric	3	
Unit Of Issue	UI	alphanumeric	2	
Cycle Number	PPC-CY-NO	numeric	2	
Work Station ID	WRK-STA-ID-ECS	alphanumeric	8	
Pick Type	PICK-TY	alphanumeric	1	1, 2, 3
Function Flag	FUNC-FLAG	alphanumeric	3	A/D = Assembly Disassembly CCA= CCP (Air) CCS = CCP (Surface) CMB = Combinations CYC=COSIS Cyclic DTK=Dedicated Truck FMS = Foreign Military Sales INC = Inventory Counts IND = Inventory Denial Res INR = Inventory Research ISA = Local Issue MIS = Mission MROs PDO= Property Disposal PPP = Mission PPP Pick P&P = Preservation & Packing REP = Replenishment REL = Relocations QA = Quality Assurance SEC = Security SIR = COSIS Special Inspect TPC = Tpumf (Conven Consol)

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
Function Flag(continued)	FUNC-FLAG	alphanumeric	3	TPI =Tpumf (Inv) TPP =Tpumf (Ready to ship) XT2 =Tpumf (Project Change) XT3 =Tpumf (Ship 1 Line)
Tray ID	TRAY-ID-ECS	alphanumeric	8	
Process Sequence Number	PROC-SEQ-NO-ECS	numeric	7	
Material Arrived	MTL-ARRD-ECS	alphanumeric	1	Y, N
Order Type	ORDR-TYP-ECS	alphanumeric	2	EM, ST, RT, RW, IC, LS, CO, DR, PR
Process Status	PROC-STATUS-ECS	alphanumeric	1	Blank, B, C, N, R
Time	TIME-ECS	numeric	6	
Error Code	ERR-CD-ECS	alphanumeric	1	Blank, A, B, C, D, E, F
Procurement Code	PROCURE-FLG-ECS	alphanumeric	1	
Cosis Control Number	COSIS-CON-NO	alphanumeric	7	
Re-warehousing Control Number	REW-CON-NO	alphanumeric	7	
Department of Defense Activity Address Code	DODAAC	alphanumeric	6	
Warehouse Aisle	WRHS-AISLE	alphanumeric	6	

**Table 0.0.0.0-1 GWQ Data Elements Table**

#### 2.0.0.0      **GWQ Key Access**

The GWQ Table will be accessed by the following multiple keys; (1) by location, (2) by control number, (3) by consolidation field, (4) by project code, (5) date, and (6) Tray ID. Location is the native key.

---

2.0.0      **Aisle Work Header (AWH)**

The AWH is created to store the defaults for selecting data from the GWQ. There will be a record defined for each ministacker and/or storage carousel aisle in the depot. Two processes access this table: (1) the Workstation Manager and (2) the GWQ Process. The fields within the record are:

- the number of SMMs buffered in ECS, and
- the number of terminals associated with this aisle.

All fields are defined in the Appendices of the ECS SRS and/or in the DATACOM Data Dictionary. AWH is the name of the table and AWHAWHE0 is the name of the APS copy library member.

1.0.0.0    **Data Elements In The AWH**

Table 4.2.2.1-1 shows the characteristics of the elements. Project Identifiers are not used and the naming conventions of DSS do not follow DoD standard naming conventions. Neither are incorporated in the table.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
Management Organization Identification	MGT-ORG-ID	alphanumeric	1	
Region Organization Identification	RGN-ORG-ID	alphanumeric	1	
Facility Deification	FAC-ID	alphanumeric	2	
WRHS-Aisle	WRHS-AISLE	character	6	
Number of SMMs Buffered in ECS	ECS-SMM	numeric	2	
Combine Segregate Workload	COMB-SEG	alphanumeric	1	C, S
Workload priority	WL-PRTY	alphanumeric	5	P, S, C, L, I
Workstation Type	WKST-TY	character	1	M, S, C
Autoload Flag	AUT-FLG	character	1	Y, N
Work Type	WK-TY	character	5	P, S, C, L, I
Project Code Shipment Unit Selection	PICK-SEL-ECS	character	1	P, U
Associated Aisles	ASSOC-AISLES-ECS	alphanumeric	4	
Last Processed Number Used	LAST-PROC-SEQ-NO-USED-ECS	numeric	7	
MHE Status	MHE-STATUS-ECS	alphanumeric	1	U, D
ECS Status	ECS-STATUS-ECS	alphanumeric	1	U, D
Tray ID	TRAY-ID-ECS	alphanumeric	8	
Work Station ID	WRK-STA-ID-ECS	alphanumeric	8	
Conveyance Identification	CONVEY-ID	alphanumeric	7	
Maximum Number of Days Held in the Inbound Carousel	MAX-QUE-DAYS	numeric	2	
Maximum Number of Hours Held in the Inbound Carousel	MAX-QUE-HRS	numeric	2	
Average Amount of Travel Time Between Receiving and the Inbound Carousel	TRANSIT-TIME	numeric	6	

**Table 0.0.0.0-1 AWH Data Elements Table**

2.0.0.0      **AWH Key Access**

The AWH Table is accessed by its native key of Warehouse aisle and Workstation ID.

3.0.0 **Pallet ID Table (PIT)**

The PIT is created to store the slave pallet ids. The ECS system requires the ids for tracking through the conveyor and crane sub-systems at the Tracy CSF warehouse. The ECS stow process will require the operator to enter the pallet id, the stow process will include the pallet id in the conveyance id field. When the requesting a pallet the Workload Manager will access the PIT by warehouse location and pass it to ECS.

All fields are defined in the Appendices of the ECS SRS and/or in the DATACOM Data Dictionary. PIT is the name of the table and PITPITE0 is the name of the APS copy library member.

1.0.0.0 **Data Elements In The PIT**

Table 4.2.3.1-1 shows the characteristics of the elements. Project Identifiers are not used and the naming conventions of DSS do not follow DoD standard naming conventions. Neither are incorporated in the table.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
Management Organization Identification	MGT-ORG-ID	alphanumeric	1	
Region Organization Identification	RGN-ORG-ID	alphanumeric	1	
Facility Deification	FAC-ID	alphanumeric	2	
Pallet Identification	PALLET	alphanumeric	5	
Warehouse Location	WRHS-LOC	alphanumeric	16	
Stock Number	STK-NO	alphanumeric	13	
Flag	FLG-ECS	alphanumeric	1	

**Table 0.0.0.0-1 Data Elements In The PIT Table**

4.2.3.2 **PIT Key Access**

The PIT Table is accessed by its native key of Site ID, Pallet ID and Site ID, Warehouse Location.

4.0.0 **Material Movement Table**

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
Conveyance ID	CONV-ID	character	7	
Second Conveyance ID	SEC-CONV-ID	character	7	

**Table 0.0.0-1 Material Movement Table**

5.0.0 **RF Pick Work Table**

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
Ms Pick Flag	MS-PCK-IND	character	1	Blank, M

**Table 0.0.0-1 RF Pick Work Table**

6.0.0 **RF Conveyance ID Header Table (RCH)**

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
Conveyance Load Indicator	CONV-LOAD-IND	character	1	Y, N
Conveyance Status Indicator	CONV-STATUS-IND	character	1	P = Pick S = Stow O = Other
Conveyance Type	CONV-TYPE	character	1	T = Tote P = Pallet M = Module C = Cart
Conveyance Destination	CONV-DEST	character	8	
Conveyance Source	CONV-SOURCE	character	8	
Electro-Static Device	ESD-ECS	character	1	Y, N
Operator ID	OPR-ID	character	8	
Carousel Location	CAR-LOC-ECS	character	4	
Multi-Tote Indicator	MUL-TOTE-IND-ECS	character	1	Y, N
Multi-Tote Count	MUL-TOTE-CNT	numeric	1	
Receipt Type	REC-TYP-ECS	character	1	
Emptied Date	DATE-ECS	character	8	
Emptied Time	TIME-ECS	character	8	
Tote Status	TOTE-STA-ECS	character	1	L, E

**Table 0.0.0-1 RF Conveyance ID Header Table (RCH)**  
**7.0.0 RF Conveyance ID Detail Table (RCD)**

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
Conveyance ID Sequence Number	RF-CONV-ID-SEQ-NO	numeric	3	

**Table 0.0.0-1 RF Conveyance ID Detail Table (RCD)**

---

3.0      **Lower Tier Tables**1.0.0      **AGVS Record**

The AGVS record contains information required to track the automated wireguided vehicles at the DDSP Mechanicsburg site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The AGV subcontroller process will access this table.

1.0.0.0      **Data Elements In The AGVS**

Table 4.3.1.1-1 shows the characteristics of the elements.

<b>NON-TECHNICAL NAME</b>	<b>TECHNICAL NAME</b>	<b>DATA TYPE</b>	<b>SIZE FORMAT</b>	<b>VALUES</b>
AGVS ID	AGVS_ID	alphanumeric	3	001 - 999
AGVS Transaction ID	AGVS_TRAN_ID	alphanumeric	4	0001 - 9999
AGVS Status	AGVS_STATUS	alphanumeric	1	A, B, M, R, O
AGVS Module ID	AGVS_MODS_ID	alphanumeric	7	
AGVS Source Pickup and Delivery Stand	AGVS_SRC_STND_ID	alphanumeric	3	001 - 999
AGVS Destination Pickup and Delivery Stand	AGVS_DEST_STND_ID	alphanumeric	3	001 - 999

**Table 0.0.0.0-1 AGVS Data Elements Table**

2.0.0.0      **AGVS Key Access**

The AGVS Table will be accessed by the AGVS ID primary key.

---

2.0.0 **ALAN Record**

The ALAN record contains information pertaining to lanes in an ALAN system at a standard ALAN site

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface, Active Item and ALAN subcontroller processes will access this table.

1.0.0.0 **Data Elements In The ALAN**

Table 0.0.0.0-1 shows the characteristics of the elements.

<b>NON-TECHNICAL NAME</b>	<b>TECHNICAL NAME</b>	<b>DATA TYPE</b>	<b>SIZE FORMAT</b>	<b>VALUES</b>
ALAN Lane Subcontroller	ALAN_SUBCONTROLLER	alphanumeric	5	
ALAN Lane ID	ALAN_LANE_ID	alphanumeric	3	
ALAN Lane Full Status	ALAN_FULL_STATUS	alphanumeric	1	'Y', ''
ALAN Lane Divert	ALAN_DIVERT	numeric	3	
ALAN Lane Is Reject Flag	ALAN_IS_REJECT	alphanumeric	1	'Y', ''
ALAN Lane is 10Lbs	ALAN_IS_10LBS	alphanumeric	1	'Y', ''

**Table 0.0.0.0-1 ALAN Data Elements Table**

2.0.0.0 **ALAN Key Access**

The ALAN Table will be accessed by the ALAN Lane Subcontroller, ALAN Lane ID, and ALAN Lane Divert primary keys.

3.0.0 **AMVE Record**

The AMVE record contains information pertaining to Freight Terminal at Building Y-109 Moves at the Norfolk site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and Freight Terminal at Building Y-109 subcontroller processes will access this table.

1.0.0.0 **Data Elements in the AMVE**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
AMVE Control Number	AMVE_CON_NO	alphanumeric	7	
AMVE Consolidation Field	AMVE_CONSOLIDATION	alphanumeric	15	
AMVE Location	AMVE_LOCATION	alphanumeric	16	
AMVE Source	AMVE_SRC	alphanumeric	9	
AMVE Destination	AMVE_DEST	alphanumeric	9	
AMVE Alternate Destination	AMVE_ALT_DEST	alphanumeric	9	
AMVE Second Alternate Destination	AMVE_SEC_ALT_DEST	alphanumeric	9	
AMVE Chain Identifier	AMVE_CHAIN_ID	alphanumeric	4	
AMVE Conveyance Identifier	AMVE_CONVEY_ID	alphanumeric	7	
AMVE Second Conveyance Identifier	AMVE_SEC_CONVEY_ID	alphanumeric	7	
AMVE Handling Unit	AMVE_HANDLING_UNIT	alphanumeric	1	
AMVE Priority	AMVE_PRIORITY	alphanumeric	1	
AMVE Flag	AMVE_FLAG	alphanumeric	1	
AMVE Option	AMVE_OPTION	alphanumeric	2	
AMVE Work Type	AMVE_WORK_TYPE	alphanumeric	1	
AMVE Quantity	AMVE_QTY	alphanumeric	2	
AMVE Program ID	AMVE_PROGRAM_ID	alphanumeric	4	
AMVE Status	AMVE_STATUS	alphanumeric	2	
AMVE Recirculation Count	AMVE_RECIRC_CNT	numeric	6	
AMVE Movement Date	AMVE_DATE	date	8	

**Table 0.0.0.0-1 Data Elements in the AMVE**

2.0.0.0 **AMVE Key Access**

The AMVE Table will be accessed by the AMVE Control Number primary key.

**4.0.0      AREA Record**

The AREA record contains information pertaining to area scheduling at the DDSP Mechanicsburg site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The AGV subcontroller process will access this table.

**1.0.0.0    Data Elements In The AREA**

Table 0.0.0.0-1 shows the characteristics of the elements.

<b>NON-TECHNICAL NAME</b>	<b>TECHNICAL NAME</b>	<b>DATA TYPE</b>	<b>SIZE FORMAT</b>	<b>VALUES</b>
AREA Code	AREA_CODE	alphanumeric	1	A, B, C, H, L, M, N, P, R, S, T, W, X
AREA First Empty	AREA_FIRST_EMPTY	alphanumeric	3	001 - 999
AREA Last Empty	AREA_LAST_EMPTY	alphanumeric	3	001 - 999
AREA First Module ID	AREA_FIRST_MODS_ID	alphanumeric	5	
AREA Last Module ID	AREA_LAST_MODS_ID	alphanumeric	7	
AREA First Stand	AREA_FIRST_STND	alphanumeric	7	001 - 999

**Table 0.0.0.0-1 AREA Data Elements Table**

**2.0.0.0    AREA Key Access**

The AREA Table will be accessed by the AREA Code primary key.

**5.0.0 ASAQ Record**

The ASAQ record contains information pertaining to each TRIAX ASRS aisle queue at the Norfolk site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and TRIAX subcontroller processes will access this table.

**1.0.0.0 Data Elements In The ASAQ**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
ASAQ Slave Pallet Identifier	ASAQ_SPAL_ID	alphanumeric	7	
ASAQ Category	ASAQ_CATEGORY	alphanumeric	1	
ASAQ Destination	ASAQ_DEST	alphanumeric	7	
ASAQ Timestamp	ASAQ_TIMESTAMP	date	8	
ASAQ Aisle	ASAQ_AISLE	alphanumeric	3	
ASAQ Control Number	ASAQ_CON_NO	alphanumeric	7	
ASAQ Deposit Begun Flag	ASAQ_DEPOSIT_BEGUN	alphanumeric	1	
ASAQ Priority	ASAQ_PRIORITY	alphanumeric	1	

**Table 0.0.0.0-1 ASAQ Data Elements Table**

**2.0.0.0 ASAQ Key Access**

The ASAQ Table will be accessed by the ASAQ Slave Pallet Identifier, ASAQ Category, and ASAQ Destination primary key.

**6.0.0 ASRS Record**

The ASRS record contains information pertaining to TRIAX ASRS aisles at the Norfolk site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and TRIAX subcontroller processes will access this table.

**1.0.0.0 Data Elements In The ASRS**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
ASRS Aisle Identifier	ASRS_AISLE_ID	alphanumeric	3	
ASRS Crane Identifier	ASRS_CRANE_ID	alphanumeric	3	
ASRS Slave Pallet Identifier	ASRS_SPAL_ID	alphanumeric	7	
ASRS Control Number	ASRS_CON_NO	alphanumeric	7	
ASRS Mode	ASRS_MODE	alphanumeric	1	
ASRS Logical Status	ASRS_LOG_STA	alphanumeric	6	'ACT' – Active 'ICT' – Inactive 'ERR' – Error
ASRS Physical Status	ASRS_PHY_STA	alphanumeric	3	'ON' – Online 'OFF' - Offline
ASRS Polling Interval	ASRS_POLLING_INTVL	numeric	6	
ASRS Error Polling Interval	ASRS_ERR_POLLING_INTVL	numeric	6	
ASRS Source Location	ASRS_SRC_LOC	alphanumeric	7	
ASRS Intermediate Location	ASRS_INTR_LOC	alphanumeric	7	
ASRS Destination Location	ASRS_DST_LOC	alphanumeric	7	
ASRS Current Location	ASRS_CUR_LOC	alphanumeric	7	
ASRS Error Status	ASRS_ERR	alphanumeric	10	
ASRS Time Stamp	ASRS_TIMESTAMP	alphanumeric	8	
ASRS In Out Destination	ASRS_IN_OUT_DEST	alphanumeric	7	
ASRS In Out Type	ASRS_IN_OUT_TYPE	alphanumeric	1	
ASRS Inbound Location	ASRS_LOC_INBOUND	alphanumeric	7	
ASRS Outbound Location	ASRS_LOC_OUTBOUND	alphanumeric	7	
ASRS Command Last	ASRS_COMMAND_LAST	alphanumeric	2	
ASRS Command Current	ASRS_COMMAND_CURR	alphanumeric	2	
ASRS Command Next	ASRS_COMMAND_NEXT	alphanumeric	2	

**Table 0.0.0.0-1 ASRS Data Elements Table****2.0.0.0 ASRS Key Access**

The ASRS Table will be accessed by the ASRS Aisle Identifier primary key.

---

7.0.0      **ASUN Record**

The ASUN record contains information pertaining to shipment unit consolidation on the TRIAX ASRS at the Norfolk site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and TRIAX subcontroller processes will access this table.

1.0.0.0      **Data Elements In The ASUN**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
ASUN Control Number	ASUN_CON_NO	alphanumeric	7	
ASUN Consolidation Number	ASUN_CONSOL	alphanumeric	15	
ASUN Aisle Identifier	ASUN_AISLE	alphanumeric	3	
ASUN Slave Pallet Identifier	ASUN_SPAL_ID	alphanumeric	7	

**Table 0.0.0.0-1 ASUN Data Elements Table**

2.0.0.0      **ASUN Key Access**

The ASUN Table will be accessed by the ASUN Control Number primary key.

---

8.0.0      **ASWQ Record**

The ASWQ record contains information pertaining to TRIAX ASRS work queues at the Norfolk site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and TRIAX subcontroller processes will access this table.

1.0.0.0    **Data Elements In The ASWQ**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
ASWQ Slave Pallet Identifier	ASWQ_SPAL_ID	alphanumeric	7	
ASWQ Category	ASWQ_CATEGORY	alphanumeric	1	
ASWQ Destination	ASWQ_DEST	alphanumeric	7	
ASWQ Time Stamp	ASWQ_TIMESTAMP	date	8	

**Table 0.0.0.0-1 ASWQ Data Elements Table**

2.0.0.0    **ASWQ Key Access**

The ASWQ Table will be accessed by the ASWQ Slave Pallet primary key.

---

**9.0.0 AWOS Record**

The AWOS record contains information pertaining to packages currently in an AWOS system at a standard AWOS site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and AWOS subcontroller processes will access this table.

**1.0.0.0 Data Elements In The AWOS**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
AWOS Control Number	AWOS_CON_NO	alphanumeric	7	
AWOS Weight	AWOS_WEIGHT	numeric	6	
AWOS Transmission Time	AWOS_TRANSMIT_TIME	date	8	
AWOS Received Time	AWOS_RECEIVE_TIME	date	8	
AWOS First Dest.	AWOS_DEST1	alphanumeric	3	
AWOS Second Dest.	AWOS_DEST2	alphanumeric	3	
AWOS Third Destination	AWOS_DEST3	alphanumeric	3	
AWOS Cube	AWOS_CUBE	alphanumeric	4	
AWOS Length	AWOS_LENGTH	alphanumeric	2	
AWOS Width	AWOS_WIDTH	alphanumeric	2	
AWOS Height	AWOS_HEIGHT	alphanumeric	2	
AWOS Subcontroller	AWOS_SUBCONTROLLER	alphanumeric	5	
AWOS Transmission milliseconds	AWOS_TRANSMIT_MS	alphanumeric	3	
AWOS Last Divert Scanned	AWOS_LAST_DIVERT_SEEN	numeric	3	

**Table 0.0.0.0-1 AWOS Data Elements Table**

**2.0.0.0 AWOS Key Access**

The AWOS Table will be accessed by the AWOS Control Number primary key.

10.0.0      **CHNS Record**

The CHNS record contains information pertaining to chaining at the DDSP Mechanicsburg and DDRV sites.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The AGV, HP, and Allen-Bradley PLC subcontroller processes will access this table.

1.0.0.0    **Data Elements In The CHNS**

Table 0.0.0.0-1 shows the characteristics of the elements.

<b>NON-TECHNICAL NAME</b>	<b>TECHNICAL NAME</b>	<b>DATA TYPE</b>	<b>SIZE FORMAT</b>	<b>VALUES</b>
CHNS ID	CHNS_ID	alphanumeric	3	001 - 999
CHNS Number In	CHNS_NUMBER_IN	alphanumeric	1	1 - 4
CHNS Conveyance (8)	CHNS_CONV (8)	alphanumeric	7	
CHNS Number Arrived	CHNS_NO_ARRIVED	numeric	2	1 - 4

**Table 0.0.0.0-1 CHNS Data Elements Table**

2.0.0.0    **CHNS Key Access**

The CHNS Table will be accessed by the CHNS ID primary key.

---

11.0.0     **CONS Record**

The CONS record contains information pertaining to material consolidation at the DDSP Mechanicsburg site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The HP subcontroller process will access this table.

1.0.0.0     **Data Elements In The CONS**

Table 0.0.0.0-1 shows the characteristics of the elements.

<b>NON-TECHNICAL NAME</b>	<b>TECHNICAL NAME</b>	<b>DATA TYPE</b>	<b>SIZE FORMAT</b>	<b>VALUES</b>
CONS Field	CONS_FLD	alphanumeric	15	
CONS Date	CONS_DATE	julian date	8	
CONS Number In	CONS_NUMBER_IN	numeric	2	

**Table 0.0.0.0-1 CONS Data Elements Table**

2.0.0.0     **CONS Key Access**

The CONS Table will be accessed by the CONS Field primary key.

---

12.0.0 **CNVR Record**

The CNVR record contains information pertaining to the status of the entire CSF conveyor system at the DDJC Tracy site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and CSF subcontroller processes will access this table.

1.0.0.0 **Data Elements In The CNVR**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
CNVR Primary Key	CNVR_KEY	alphanumeric	1	'1'
CNVR Conveyor Status	CNVR_STATUS	alphanumeric	3	'IMT', 'AMT'
CNVR Outbound Transaction Number	CNVR_TRAN_NR_FR_ID	alphanumeric	4	
CNVR Inbound Transaction Number	CNVR_TRAN_NR_TO_ID	alphanumeric	4	
CNVR Tracking Screen Active Flag	CNVR_TRACKING_USER	alphanumeric	5	

**Table 0.0.0.0-1 CNVR Data Elements Table**

2.0.0.0 **CNVR Key Access**

The CNVR Table will be accessed by the CNVR Key primary key.

---

13.0.0      **CRSL Record**

The CRSL record contains information pertaining to carousel control at the DDSP Mechanicsburg site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The HP subcontroller process will access this table.

1.0.0.0      **Data Elements In The CRSL**

Table 0.0.0.0-1 shows the characteristics of the elements.

<b>NON-TECHNICAL NAME</b>	<b>TECHNICAL NAME</b>	<b>DATA TYPE</b>	<b>SIZE FORMAT</b>	<b>VALUES</b>
CRSL Packing Receiving Indicator	CRSL_PR_IND	alphanumeric	1	P, R
CRSL Location ID	CRSL_LOCATION_ID	alphanumeric	4	
CRSL Tote ID	CRSL_TOTE_ID	alphanumeric	7	
CRSL Empty Occupied Indicator	CRSL_EO_IND	alphanumeric	1	E, O
CRSL Consolidation Field	CRSL_CONS_FLD	alphanumeric	15	
CRSL Control Number	CRSL_CON_NO	alphanumeric	7	

**Table 0.0.0.0-1 CRSL Data Elements Table**

2.0.0.0      **CRSL Key Access**

The CRSL Table will be accessed by the CRSL Location ID primary key.

---

14.0.0 **HIST Record**

The HIST record contains information pertaining to packages previously in an AWOS system at a standard AWOS site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and AWOS subcontroller processes will access this table.

1.0.0.0 **Data Elements In The HIST**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
HIST Control Number	HIST_CON_NO	alphanumeric	7	
HIST Weight	HIST_WEIGHT	numeric	6	
HIST Transmission Time	HIST_TRANSMIT_TIME	date	8	
HIST Received Time	HIST_RECEIVE_TIME	date	8	
HIST First Destination	HIST_DEST1	alphanumeric	3	
HIST Second Destination	HIST_DEST2	alphanumeric	3	
HIST Third Destination	HIST_DEST3	alphanumeric	3	
HIST Retired Date	HIST_RETIRE_DATE	date	8	
HIST Cube	HIST_CUBE	alphanumeric	4	
HIST Length	HIST_LENGTH	alphanumeric	2	
HIST Width	HIST_WIDTH	alphanumeric	2	
HIST Height	HIST_HEIGHT	alphanumeric	2	
HIST Subcontroller	HIST_SUBCONTROLLER	alphanumeric	5	

**Table 0.0.0.0-1 HIST Data Elements Table**

2.0.0.0 **HIST Key Access**

The HIST Table will be accessed by the HIST Control Number primary key.

15.0.0      **LANE Record**

The LANE record contains information pertaining tote and pallet scanners at the Freight Terminal at Building Y-109.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The Tote subcontroller process will access this table.

1.0.0.0    **Data Elements In The LANE**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
LANE Identifier	LANE_ID	alphanumeric	4	
LANE Area	LANE_AREA	alphanumeric	1	
LANE Function	LANE_FUNC	alphanumeric	4	
LANE Status	LANE_STATUS	alphanumeric	1	

**Table 1.0.0.0-1 LANE Data Elements Table**

2.0.0.0    **LANE Key Access**

The LANE Table will be accessed by the LANE Identifier primary key.

16.0.0      **LOAD Record**

The LOAD record contains information pertaining to pallet loads on the CSF conveyor and stackers at the DDJC Tracy site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and CSF subcontroller processes will access this table.

1.0.0.0      **Data Elements In The LOAD**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
LOAD Skid Identifier	LOAD_ID	alphanumeric	8	
LOAD Transaction Identifier	LOAD_TRAN_ID	alphanumeric	4	
LOAD Source Rack Location or Zone	LOAD_SRC_LOC	alphanumeric	8	
LOAD Intermediate Location	LOAD_INTR_LOC	alphanumeric	8	
LOAD Destination Rack Location or Zone	LOAD_DST_LOC	alphanumeric	8	
LOAD Current Aisle or Zone	LOAD_CUR_LOC	alphanumeric	8	
LOAD Error Reject Status	LOAD_ERR	alphanumeric	10	
LOAD Datetime Stamp	LOAD_TIMESTAMP	alphanumeric	12	
LOAD Recirculation Count	LOAD_RECIRC_CNT	numeric	3	
LOAD In Out Destination	LOAD_IN_OUT_DEST	alphanumeric	8	
LOAD In Out Type	LOAD_IN_OUT_TYPE	alphanumeric	1	

**Table 0.0.0.0-1 LOAD Data Elements Table**

2.0.0.0      **LOAD Key Access**

The LOAD Table will be accessed by the LOAD Skid Identifier primary key.

17.0.0 **MODS Record**

The MODS record contains information pertaining to module control at the DDSP Mechanicsburg site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The AGV subcontroller process will access this table.

1.0.0.0 **Data Elements In The MODS**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
MODS ID	MODS_ID	alphanumeric	7	
MODS Transaction ID	MODS_TRAN_ID	alphanumeric	4	
MODS Source Area Code	MODS_SRC_AREA_CODE	alphanumeric	1	A, B, C, H, L, M, N, P, R, S, T, W, X
MODS Source Stand	MODS_SRC_STND_ID	alphanumeric	3	001 - 999
MODS Destination Area Code	MODS_DEST_AREA_CODE	alphanumeric	1	A, B, C, H, L, M, N, P, R, S, T, W, X
MODS Destination Stand	MODS_DEST_STND_ID	alphanumeric	3	001 - 999
MODS Final Destination Area Code	MODS_FNL_AREA_CODE	alphanumeric	1	A, B, C, H, L, M, N, P, R, S, T, W, X
MODS Final Destination Stand	MODS_FNL_STND_ID	alphanumeric	3	001 - 999
MODS Empty Occupied Indicator	MODS_STATUS	alphanumeric	1	
MODS AGV ID	MODS_AGVS_ID	alphanumeric	3	001 - 040
MODS Previous Empty Module	MODS_PREV_EMPTY	alphanumeric	7	
MODS Next Empty Module	MODS_NEXT_EMPTY	alphanumeric	7	
MODS Previous Loaded Module	MODS_PREV_LOADED	alphanumeric	7	
MODS Next Loaded Module	MODS_NEXT_LOADED	alphanumeric	7	
MODS Previous Module Pending Movement	MODS_PREV_PEND	alphanumeric	7	
MODS Next Module Pending Movement	MODS_NEXT_PEND	alphanumeric	7	

**Table 0.0.0.0-1 MODS Data Elements Table**

2.0.0.0      **MODS Key Access**

The MODS Table will be accessed by the MODS ID primary key.

---

18.0.0 **MOVE Record**

The MOVE record contains information pertaining to control number tracking at the DDRV and DDSP Mechanicsburg sites.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The AGV, HP and Allen-Bradley PLC subcontroller processes will access this table.

1.0.0.0 **Data Elements In The MOVE**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
MOVE Control Number	MOVE_CON_NO	alphanumeric	7	
MOVE Consolidation Field	MOVE_CONS_FLD	alphanumeric	15	
MOVE Chute ID	MOVE_CHUTE_ID	alphanumeric	3	
MOVE Chute Indicator	MOVE_CHUTE_IND	alphanumeric	1	H, L
MOVE Conveyance ID	MOVE_CONVEY_ID	alphanumeric	7	
MOVE Destination	MOVE_DEST	alphanumeric	9	
MOVE Flag	MOVE_FLAG	alphanumeric	1	
MOVE Source	MOVE_SRC	alphanumeric	9	
MOVE Status	MOVE_STATUS	alphanumeric	1	
MOVE Recirculation Count	MOVE_RECIRC_CNT	numeric	2	
MOVE Date	MOVE_DATE	julian date	8	

**Table 0.0.0.0-1 MOVE Data Elements Table**

2.0.0.0 **MOVE Key Access**

The MOVE Table will be accessed by the MOVE Control Number primary key.

---

19.0.0 **SECT Record**

The SECT record contains information pertaining to the conveyor sections on the CSF at the DDJC Tracy site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and CSF subcontroller processes will access this table.

1.0.0.0 **Data Elements In The SECT**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
SECT Identifier	SECT_ID	alphanumeric	3	
SECT Enabled Flag	SECT_ENABLED_STAT	alphanumeric	1	(E)nabled (D)isabled
SECT Control Cabinet	SECT_CTRL_CABINET	alphanumeric	1	1-7
SECT Fault Status	SECT_FAULTED_STAT	alphanumeric	1	(F)aulted ( )Non Faulted
SECT Tracking Total	SECT_TRACKING_TOTAL	Numeric	3	

**Table 0.0.0.0-1 SECT Data Elements Table**

2.0.0.0 **SECT Key Access**

The SECT Table will be accessed by the SECT Identifier primary key.

20.0.0 **SPAL Record**

The SPAL record contains information pertaining to the TRIAX ASRS slave pallets at the Norfolk site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and TRIAX subcontroller processes will access this table.

1.0.0.0 **Data Elements In The SPAL**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
SPAL Pallet Identifier	SPAL_ID	alphanumeric	7	
SPAL Control Number	SPAL_CON_NO	alphanumeric	7	
SPAL Source Location	SPAL_SRC_LOC	alphanumeric	7	
SPAL Intermediate Loc	SPAL_INTR_LOC	alphanumeric	7	
SPAL Destination Loc	SPAL_DST_LOC	alphanumeric	7	
SPAL Current Loc	SPAL_CUR_LOC	alphanumeric	7	
SPAL Last Known Scanner Identifier	SPAL_LAST_SCANNER	alphanumeric	3	
SPAL Reject Status	SPAL_ERR	alphanumeric	3	
SPAL Time Stamp	SPAL_TIMESTAMP	date	8	
SPAL Recirculation Count	SPAL_RECIRC_CNT	numeric	6	
SPAL Last Command	SPAL_COMMAND_LAST	alphanumeric	3	
SPAL Current Command	SPAL_COMMAND_CURR	alphanumeric	3	
SPAL Next Command	SPAL_COMMAND_NEXT	alphanumeric	3	
SPAL In Out Type	SPAL_IN_OUT_TYPE	alphanumeric	1	

**Table 0.0.0.0-1 Data Elements Table**

2.0.0.0 **SPAL Key Access**

The SPAL Table will be accessed by the SPAL Pallet Identifier primary key.

---

21.0.0 **STKQ Record**

The STKQ record contains information pertaining to workload queued for a particular stacker.

All fields are defined in the Data Dictionary Appendix of the ECS Software Requirements Specification (SRS). The User Interface and CSF Subcontroller will access this table.

1.0.0.0 **Data Elements In STKQ**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
STKQ Aisle	STKQ_AISLE	numeric	2	
STKQ Category	STKQ_CATEGORY	alphanumeric	1	
STKQ Timestamp	STKQ_TIMESTAMP	Date	8	
STKQ Given to Stacker Flag	STKQ_GIVEN_TO_STACKER	alphanumeric	1	
STKQ Priority	STKQ_PRIORITY	numeric	1	
STKQ Load Container ID	STKQ_LOAD_CONTAINER_ID	alphanumeric	8	

**Table 0.0.0.0-1 STKQ Data Elements Table**

2.0.0.0 **STKQ Key Access**

The STKQ Table will be accessed by the STKQ Load Container ID. It may also be accessed by the STKQ Category secondary key. The STKQ Load Container ID key is a foreign key of the Load Table with an On Delete cascade feature.

22.0.0 **STKR Record**

The STKR record contains information pertaining to stacker lanes on the CSF at the DDJC Tracy site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and the CSF subcontroller processes will access this table.

1.0.0.0 **Data Elements In The STKR**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
STKR Identifier	STKR_ID	alphanumeric	4	UL01 – UL18
STKR Skid Identifier	STKR_LOAD_ID	alphanumeric	8	
STKR Current Transaction Identifier	STKR_CURR_TRAN_ID	numeric	4	
STKR Current Command	STKR_CURR_CMND	alphanumeric	2	
STKR Next Transaction Identifier	STKR_NEXT_TRAN_ID	numeric	4	
STKR Next Command	STKR_NEXT_CMND	alphanumeric	2	
STKR Status	STKR_STAT	alphanumeric	1	0 – Dn, 1 – Up
STKR Mode	STKR_MODE	alphanumeric	1	
STKR Schedule	STKR_SCHD	alphanumeric	1	
STKR Active Flag	STKR_ACTV	alphanumeric	1	(I)dle (A)ctive
STKR Fault Status	STKR_FAULT	alphanumeric	3	000 – 599
STKR Next Destination	STKR_NEXT_DEST	alphanumeric	8	
STKR From Location	STKR_FROM_LOC	alphanumeric	8	
STKR To Location	STKR_TO_LOC	alphanumeric	10	

**Table 0.0.0.0-1 STKR Data Elements Table**

2.0.0.0 **STKR Key Access**

The STKR Table will be accessed by the STKR Identifier primary key.

23.0.0 **STND Record**

The STND record contains information pertaining to stand control at the DDSP Mechanicsburg site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The AGV subcontroller process will access this table.

1.0.0.0 **Data Elements In The STND**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
STND ID	STND_ID	alphanumeric	3	001 - 999
STND Building	STND_BLDG	alphanumeric	3	010, 011, 110, 111
STND High-rise Quadrant	STND_QUAD	alphanumeric	1	1,2,3,4
STND Transaction ID	STND_TRAN_ID	alphanumeric	4	
STND Status	STND_STATUS	alphanumeric	1	E, O, X, C, D
STND Substatus	STND_SUB_STATUS	alphanumeric	1	F, N
STND Module ID	STND_MODS_ID	alphanumeric	7	
STND Area Code	STND_AREA_CODE	alphanumeric	1	A, B, C, H, L, M, N, P, R, S, T, W, X
STND Previous Empty Stand in Area	STND_PREV_EMPTY	alphanumeric	3	001 - 999
STND Next Empty Stand in Area	STND_NEXT_EMPTY	alphanumeric	3	001 - 999
STND Automatic Refill Flag	STND_AUTO_REFILL	alphanumeric	1	Y, N
STND Refill Type	STND_REFILL_TYPE	alphanumeric	1	E, L, S
STND Aisle Number	STND_AISL_NUMBER	alphanumeric	2	
STND Input Staging Area Codes	STND_INPUT_STG_AREA_CODES	alphanumeric	6	S, M, Z
STND Output Staging Area Code	STND_OUTPUT_STG_AREA_CODES	alphanumeric	6	S, M, Z
STND First Module ID	STND_FIRST_MODS_ID	alphanumeric	7	

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
STND Last Module ID	STND_LAST_MODS_ID	alphanumeric	7	
Stand Priority Processing Flag	STND_PRIORITY	alphanumeric	1	Y, N
Stand Enabled Flag	STND_ENABLED_FLAG	alphanumeric	1	E, D, X

**Table 0.0.0.0-1 STND Data Elements Table**

2.0.0.0      **STND Key Access**

The STND Table will be accessed by the STND ID primary key.

24.0.0 **SYST Record**

The SYST record contains information pertaining to modules and transactions at the DDSP Mechanicsburg site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The AGV subcontroller process will access this table.

1.0.0.0 **Data Elements In The SYST**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
SYST Key	SYST_KEY	alphanumeric	3	
SYST First Empty Module	SYST_FIRST_EMPTY	alphanumeric	7	
SYST Last Empty Module	SYST_LAST_EMPTY	alphanumeric	7	
SYST Transaction ID	SYST_TRAN_ID	alphanumeric	4	
SYST First Module Pending Movement	SYST_FIRST_MODS_PEND	alphanumeric	7	
SYST Last Module Pending Movement	SYST_LAST_MODS_PEND	alphanumeric	7	

**Table 0.0.0.0-1 SYST Data Elements Table**

2.0.0.0 **SYST Key Access**

The SYST Table will be accessed sequentially.

---

25.0.0      **TOTE Record**

The TOTE record contains information pertaining to tote control at the DDRV and DDSP Mechanicsburg sites.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The HP and Allen-Bradley PLC subcontroller processes will access this table.

1.0.0.0      **Data Elements In The TOTE**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
TOTE ID	TOTE_ID	alphanumeric	7	
TOTE Location ID	TOTE_LOCATION_ID	alphanumeric	4	
TOTE Packing Receiving Indicator	TOTE_PR_IND	alphanumeric	1	P, R
TOTE Consolidation Field	TOTE_CONS_FLD	alphanumeric	15	
TOTE Control Number	TOTE_CON_NO	alphanumeric	7	
TOTE Destination	TOTE_DEST	alphanumeric	3	
TOTE Routing	TOTE_ROUTING	alphanumeric	3	
TOTE Chain ID	TOTE_CHNS_ID	alphanumeric	3	
TOTE Number In Chain	TOTE_NO_IN_CHAIN	numeric	2	
TOTE Present Location	TOTE_PRES_LOC	alphanumeric	3	
TOTE Status	TOTE_STATUS	alphanumeric	1	A, I
TOTE Date	TOTE_DATE	julian date	8	

**Table 0.0.0.0-1 TOTE Data Elements Table**

2.0.0.0      **TOTE Key Access**

The TOTE Table will be accessed by the TOTE ID primary key.

26.0.0 **TRAN Record**

The TRAN record contains information pertaining to transaction tracking at the DDSP Mechanicsburg site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The AGV subcontroller process will access this table.

1.0.0.0 **Data Elements In The TRAN**

Table 0.0.0.0-1 shows the characteristics of the elements.

<b>NON-TECHNICAL NAME</b>	<b>TECHNICAL NAME</b>	<b>DATA TYPE</b>	<b>SIZE FORMAT</b>	<b>VALUES</b>
TRAN ID	TRAN_ID	alphanumeric	4	
TRAN Source Area Code	TRAN_SRC_AREA_CODE	alphanumeric	1	A, B, C, H, L, M, N, P, R, S, T, W, X
TRAN Source Pickup and Delivery Stand	TRAN_SRC_STND_ID	alphanumeric	3	
TRAN Destination Area Code	TRAN_DEST_AREA_CODE	alphanumeric	1	A, B, C, H, L, M, N, P, R, S, T, W, X
TRAN Destination Pickup and Delivery Stand	TRAN_DEST_STND_ID	alphanumeric	3	
TRAN Module Indicator	TRAN_MODS_IND	alphanumeric	1	M, P
TRAN Priority Indicator	TRAN_PRIORITY	alphanumeric	1	Y, N
TRAN Module ID	TRAN_MODS_ID	alphanumeric	7	
TRAN AGV ID	TRAN_AGVS_ID	alphanumeric	3	
TRAN Status Code	TRAN_STATUS_CODE	alphanumeric	2	
TRAN Status Subcode	TRAN_STATUS_SUBCODE	alphanumeric	3	
TRAN Sequence Number	TRAN_SEQ_NR	alphanumeric	8	

**Table 0.0.0.0-1 TRAN Data Elements Table**

2.0.0.0 **TRAN Key Access**

The TRAN Table will be accessed by the TRAN ID primary key.

---

27.0.0      **WRKQ Record**

The WRKQ record contains information pertaining to workload queued for a particular type of work.

All fields are defined in the Data Dictionary Appendix of the ECS Software Requirements Specification (SRS). The User Interface and CSF Subcontroller will access this table.

1.0.0.0      **Data Elements In WRKQ**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
WRKQ Category	WRKQ_CATEGORY	alphanumeric	1	
WRKQ Timestamp	WRKQ_TIMESTAMP	Date	8	
WRKQ Load Container ID	WRKQ_LOAD_CONTAINER_ID	alphanumeric	8	
WRKQ Destination	WRKQ_DESTINATION	alphanumeric	8	

**Table 0.0.0.0-1 WRKQ Data Elements Table**

2.0.0.0      **WRKQ Key Access**

The WRKQ record will be accessed by the WRKQ Load Container ID. It may also be accessed by the WRKQ Category secondary key. The WRKQ Load Container ID key is a foreign key of the Load Table with an On Delete cascade feature.

**28.0.0 WKST Record**

The WKST record contains information pertaining to TRIAX ASRS Workstations at the Norfolk site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and the TRIAX subcontroller processes will access this table.

**1.0.0.0 Data Elements In The WKST**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
WKST Identifier	WKST_ID	alphanumeric	3	
WKST Name	WKST_NAME	alphanumeric	4	
WKST Capacity	WKST_CAPACITY	numeric	6	
WKST Enroute Count	WKST_ENRT_COUNT	numeric	6	
WKST In Count	WKST_IN_COUNT	numeric	6	
WKST Slave Pallet Identifier	WKST_SPAL_ID	alphanumeric	7	
WKST Load Present Flag	WKST_LOAD_PRES	alphanumeric	1	
WKST Fault Message	WKST_FAULT	alphanumeric	2	
WKST Load Destination	WKST_LOAD_DEST	alphanumeric	3	
WKST Logged In Flag	WKST_LOGGED_IN	alphanumeric	1	
WKST Terminal Identifier	WKST_TERMINAL_ID	alphanumeric	8	
WKST Description	WKST_DESCRIPTION	alphanumeric	25	
WKST Time Stamp	WKST_TIMESTAMP	date	8	

**Table 0.0.0.0-1 WKST Data Elements Table**

**2.0.0.0 WKST Key Access**

The WKST Table will be accessed by the WKST Identifier primary key.

---

29.0.0      **ZONE Record**

The ZONE record contains information pertaining to conveyor zones on the CSF at the DDJC Tracy site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and CSF subcontroller processes will access this table.

1.0.0.0      **Data Elements In The ZONE**

Table 0.0.0.0-1 shows the characteristics of the elements.

<b>NON-TECHNICAL NAME</b>	<b>TECHNICAL NAME</b>	<b>DATA TYPE</b>	<b>SIZE FORMAT</b>	<b>VALUES</b>
ZONE Identifier	ZONE_ID	alphanumeric	3	
ZONE Section Number	ZONE_SECT_ID	alphanumeric	3	
ZONE Name	ZONE_NAME	alphanumeric	4	
ZONE Capacity	ZONE_CAPC	alphanumeric	2	
ZONE Enroute Count	ZONE_ENRT_COUNT	alphanumeric	2	
ZONE Skid Identifier	ZONE_LOAD_ID	alphanumeric	8	
ZONE Load Present Flag	ZONE_LOAD_PRES	alphanumeric	1	0 – clear 1 – present
ZONE Fault Status	ZONE_FAULT	alphanumeric	3	
ZONE Load Destination	ZONE_LOAD_DEST	alphanumeric	3	
ZONE Uses Tracking Flag	ZONEUSES_TRACKING	alphanumeric	1	
ZONE Logged In Flag	ZONE_LOGGED_IN	alphanumeric	1	
ZONE Terminal Identifier	ZONE_TERMINAL_ID	alphanumeric	8	
ZONE Date Timestamp	ZONE_TIMESTAMP	date	8	

**Table 0.0.0.0-1 Data Elements In The ZONE**

2.0.0.0      **ZONE Key Access**

The ZONE Table will be accessed by the ZONE Identifier primary key. A secondary key of ZONE name may be utilized.

---

5.0        **NEW CUMBERLAND - DETAILED DESIGN OF THE LOWER TIER  
DATABASE**

The detailed design of the new database tables complies with current DSS database Standards and Procedures.

1.0 **New Tables**1.0.0 **ALAN Record**

The ALAN record contains information pertaining to lanes in an ALAN system at a standard ALAN site

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface, Active Item and ALAN subcontroller processes will access this table.

1.0.0.0 **Data Elements In The ALAN**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
ALAN Lane Subcontroller	ALAN_SUBCONTROLLER	alphanumeric	5	
ALAN Lane ID	ALAN_LANE_ID	alphanumeric	3	
ALAN Lane Full Status	ALAN_FULL_STATUS	alphanumeric	1	'Y', ''
ALAN Lane Divert	ALAN_DIVERT	numeric	3	
ALAN Lane Is Reject Flag	ALAN_IS_REJECT	alphanumeric	13	

**Table 0.0.0.0-1 ALAN Data Elements Table**

2.0.0.0 **ALAN Key Access**

The ALAN Table will be accessed by the ALAN Lane Subcontroller, ALAN Lane ID, and ALAN Lane Divert primary keys.

2.0.0 **AMVE Record**

The AMVE record contains information pertaining to Freight Terminal at Building Y-109 Moves at the Norfolk site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and Freight Terminal at Building Y-109 subcontroller processes will access this table.

1.0.0.0 **Data Elements in the AMVE**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
AMVE Control Number	AMVE_CON_NO	alphanumeric	7	
AMVE Consolidation Field	AMVE_CONSOLIDATION	alphanumeric	15	
AMVE Location	AMVE_LOCATION	alphanumeric	16	
AMVE Source	AMVE_SRC	alphanumeric	9	
AMVE Destination	AMVE_DEST	alphanumeric	9	
AMVE Alternate Destination	AMVE_ALT_DEST	alphanumeric	9	
AMVE Second Alternate Destination	AMVE_SEC_ALT_DEST	alphanumeric	9	
AMVE Chain Identifier	AMVE_CHAIN_ID	alphanumeric	4	
AMVE Conveyance Identifier	AMVE_CONVEY_ID	alphanumeric	7	
AMVE Second Conveyance Identifier	AMVE_SEC_CONVEY_ID	alphanumeric	7	
AMVE Handling Unit	AMVE_HANDLING_UNIT	alphanumeric	1	
AMVE Priority	AMVE_PRIORITY	alphanumeric	1	
AMVE Flag	AMVE_FLAG	alphanumeric	1	
AMVE Option	AMVE_OPTION	alphanumeric	2	
AMVE Work Type	AMVE_WORK_TYPE	alphanumeric	1	
AMVE Quantity	AMVE_QTY	alphanumeric	2	
AMVE Program ID	AMVE_PROGRAM_ID	alphanumeric	4	
AMVE Status	AMVE_STATUS	alphanumeric	2	
AMVE Recirculation Count	AMVE_RECIRC_CNT	numeric	6	
AMVE Movement Date	AMVE_DATE	date	8	

**Table 0.0.0.0-1 Data Elements in the AMVE**

2.0.0.0 **AMVE Key Access**

The AMVE Table will be accessed by the AMVE Control Number primary key.

---

3.0.0 **ASAQ Record**

The ASAQ record contains information pertaining to each TRIAX ASRS aisle queue at the Norfolk site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and TRIAX subcontroller processes will access this table.

1.0.0.0 **Data Elements In The ASAQ**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
ASAQ Slave Pallet Identifier	ASAQ_SPAL_ID	alphanumeric	7	
ASAQ Category	ASAQ_CATEGORY	alphanumeric	1	
ASAQ Destination	ASAQ_DEST	alphanumeric	7	
ASAQ Timestamp	ASAQ_TIMESTAMP	date	8	
ASAQ Aisle	ASAQ_AISLE	alphanumeric	3	
ASAQ Control Number	ASAQ_CON_NO	alphanumeric	7	
ASAQ Deposit Begun Flag	ASAQ_DEPOSIT_BEGUN	alphanumeric	1	
ASAQ Priority	ASAQ_PRIORITY	alphanumeric	1	

**Table 0.0.0.0-1 ASAQ Data Elements Table**

2.0.0.0 **ASAQ Key Access**

The ASAQ Table will be accessed by the ASAQ Slave Pallet Identifier, ASAQ Category, and ASAQ Destination primary key.

4.0.0 **ASRS Record**

The ASRS record contains information pertaining to TRIAX ASRS aisles at the Norfolk site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and TRIAX subcontroller processes will access this table.

1.0.0.0 **Data Elements In The ASRS**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
ASRS Aisle Identifier	ASRS_AISLE_ID	alphanumeric	3	
ASRS Crane Identifier	ASRS_CRANE_ID	alphanumeric	3	
ASRS Slave Pallet Identifier	ASRS_SPAL_ID	alphanumeric	7	
ASRS Control Number	ASRS_CON_NO	alphanumeric	7	
ASRS Mode	ASRS_MODE	alphanumeric	1	
ASRS Logical Status	ASRS_LOG_STA	alphanumeric	6	'ACT' – Active 'ICT' – Inactive 'ERR' – Error
ASRS Physical Status	ASRS_PHY_STA	alphanumeric	3	'ON' - Online 'OFF' - Offline
ASRS Polling Interval	ASRS_POLLING_INTVL	numeric	6	
ASRS Error Polling Interval	ASRS_ERR_POLLING_INTVL	numeric	6	
ASRS Source Location	ASRS_SRC_LOC	alphanumeric	7	
ASRS Intermediate Location	ASRS_INTR_LOC	alphanumeric	7	
ASRS Destination Location	ASRS_DST_LOC	alphanumeric	7	
ASRS Current Location	ASRS_CUR_LOC	alphanumeric	7	
ASRS Error Status	ASRS_ERR	alphanumeric	10	
ASRS Time Stamp	ASRS_TIMESTAMP	alphanumeric	8	
ASRS In Out Destination	ASRS_IN_OUT_DEST	alphanumeric	7	
ASRS In Out Type	ASRS_IN_OUT_TYPE	alphanumeric	1	
ASRS Inbound Location	ASRS_LOC_INBOUND	alphanumeric	7	
ASRS Outbound Location	ASRS_LOC_OUTBOUND	alphanumeric	7	
ASRS Command Last	ASRS_COMMAND_LAST	alphanumeric	2	
ASRS Command Current	ASRS_COMMAND_CURR	alphanumeric	2	
ASRS Command Next	ASRS_COMMAND_NEXT	alphanumeric	2	

**Table 0.0.0.0-1 ASRS Data Elements Table**2.0.0.0 **ASRS Key Access**

The ASRS Table will be accessed by the ASRS Aisle Identifier primary key.

---

5.0.0      **ASUN Record**

The ASUN record contains information pertaining to shipment unit consolidation on the TRIAX ASRS at the Norfolk site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and TRIAX subcontroller processes will access this table.

1.0.0.0      **Data Elements In The ASUN**

Table 0.0.0.0-1 shows the characteristics of the elements.

<b>NON-TECHNICAL NAME</b>	<b>TECHNICAL NAME</b>	<b>DATA TYPE</b>	<b>SIZE FORMAT</b>	<b>VALUES</b>
ASUN Control Number	ASUN_CON_NO	alphanumeric	7	
ASUN Consolidation Number	ASUN_CONSOL	alphanumeric	15	
ASUN Aisle Identifier	ASUN_AISLE	alphanumeric	3	
ASUN Slave Pallet Identifier	ASUN_SPAL_ID	alphanumeric	7	

**Table 0.0.0.0-1 ASUN Data Elements Table**

2.0.0.0      **ASUN Key Access**

The ASUN Table will be accessed by the ASUN Control Number primary key.

---

6.0.0 **ASWQ Record**

The ASWQ record contains information pertaining to TRIAX ASRS work queues at the Norfolk site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and TRIAX subcontroller processes will access this table.

1.0.0.0 **Data Elements In The ASWQ**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
ASWQ Slave Pallet Identifier	ASWQ_SPAL_ID	alphanumeric	7	
ASWQ Category	ASWQ_CATEGORY	alphanumeric	1	
ASWQ Destination	ASWQ_DEST	alphanumeric	7	
ASWQ Time Stamp	ASWQ_TIMESTAMP	date	8	

**Table 0.0.0.0-1 ASWQ Data Elements Table**

2.0.0.0 **ASWQ Key Access**

The ASWQ Table will be accessed by the ASWQ Slave Pallet primary key.

---

**7.0.0 AWOS Record**

The AWOS record contains information pertaining to packages currently in an AWOS system at a standard AWOS site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and AWOS subcontroller processes will access this table.

**1.0.0.0 Data Elements In The AWOS**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
AWOS Control Number	AWOS_CON_NO	alphanumeric	7	
AWOS Weight	AWOS_WEIGHT	numeric	6	
AWOS Transmission Time	AWOS_TRANSMIT_TIME	date	8	
AWOS Received Time	AWOS_RECEIVE_TIME	date	8	
AWOS First Dest.	AWOS_DEST1	alphanumeric	3	
AWOS Second Dest.	AWOS_DEST2		3	
AWOS Third Destination	AWOS_DEST3	alphanumeric	3	
AWOS Cube	AWOS_CUBE	alphanumeric	4	
AWOS Length	AWOS_LENGTH	alphanumeric	2	
AWOS Width	AWOS_WIDTH	alphanumeric	2	
AWOS Height	AWOS_HEIGHT	alphanumeric	2	
AWOS Subcontroller	AWOS_SUBCONTROLLER	alphanumeric	5	
AWOS Transmission milliseconds	AWOS_TRANSMIT_MS	alphanumeric	3	
AWOS Last Divert Scanned	AWOS_LAST_DIVERT_SEEN	numeric	3	

**Table 0.0.0.0-1 AWOS Data Elements Table**

**2.0.0.0 AWOS Key Access**

The AWOS Table will be accessed by the AWOS Control Number primary key.

---

8.0.0      **CHNS Record**

The CHNS record contains information pertaining to chaining of conveyances at the DDSP New Cumberland site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface, Keypad and Towline subcontroller processes will access this table.

1.0.0.0      **Data Elements In The CHNS**

Table 0.0.0.0-1 shows the characteristics of the elements.

<b>NON-TECHNICAL NAME</b>	<b>TECHNICAL NAME</b>	<b>DATA TYPE</b>	<b>SIZE FORMAT</b>	<b>VALUES</b>
CHNS ID	CHNS_ID	alphanumeric	3	001 - 999
CHNS Number In	CHNS_NUMBER_IN	alphanumeric	1	1 - 4
CHNS Conveyance (8)	CHNS_CONV (8)	alphanumeric	7	
CHNS Number Arrived	CHNS_NO_ARRIVED	numeric	2	1 - 4
CHNS Release Indicator	CHNS_REL_INDIC	alphanumeric	1	
CHNS Spur ID	CHNS_SPUR_ID	alphanumeric	4	

**Table 0.0.0.0-1 CHNS Data Elements Table**

2.0.0.0      **CHNS Key Access**

The CHNS Table will be accessed by the CHNS ID primary key.

---

9.0.0      **CHUT Record**

The CHUT record contains information pertaining to sortation chutes within the DDSP New Cumberland site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface, Tote and Sortation subcontroller processes will access this table.

1.0.0.0      **Data Elements In The CHUT**

Table 0.0.0.0-1 shows the characteristics of the elements.

<b>NON-TECHNICAL NAME</b>	<b>TECHNICAL NAME</b>	<b>DATA TYPE</b>	<b>SIZE FORMAT</b>	<b>VALUES</b>
CHUT Pack Area	CHUT_PACK_AREA	alphanumeric	1	
CHUT ID	CHUT_ID	alphanumeric	3	001 - 999
CHUT Total of Packages	CHUT_TOTAL_PKG	numeric	2	
CHUT Type	CHUT_TYPE	alphanumeric	1	'M' , 'C'
CHUT Spur	CHUT_SPUR	alphanumeric	4	

**Table 0.0.0.0-1 CHUT Data Elements Table**

2.0.0.0      **CHUT Key Access**

The CHUT Table will be accessed by the CHUT Type and CHUT ID primary keys.

**10.0.0 CONV Record**

The CONV record contains information pertaining to conveyances at the DDSP New Cumberland site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface, Keypad, Tote and Towline subcontroller processes will access this table.

**1.0.0.0 Data Elements In The CONV**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
CONV Conveyance ID	CONV_CONVEY_ID	alphanumeric	7	
CONV Area	CONV_AREA	alphanumeric	4	
CONV Caged Flag	CONV_CAGE_FLG	alphanumeric	1	
CONV Carq Type	CONV_CARQ_TY	alphanumeric	2	
CONV Chain ID	CONV_CHAIN_ID	alphanumeric	4	
CONV Control Number	CONV_CON_NO	alphanumeric	7	
CONV Conveyance Type	CONV_CONVEY_TY	alphanumeric	2	ET, ES, LT, LS, LP, LD, ED, ES, EC, LC
CONV Final Destination	CONV_FNL_DEST	alphanumeric	4	
CONV Next Destination	CONV_NEXT_DEST	alphanumeric	40	
CONV Number In Chain	CONV_NO_IN_CHAIN	numeric	2	
CONV Present Location	CONV_PRES_LOC	alphanumeric	4	
CONV Status	CONV_STA	alphanumeric	1	A,I
CONV Conveyance Type	CONV_CTYP	alphanumeric	1	C,P,D,T,S
CONV Date	CONV_DATE	julian date	8	

**Table 0.0.0.0-1 CONV Data Elements Table****2.0.0.0 CONV Key Access**

The CONV Table will be accessed by the CONV Conveyance ID primary key.

**11.0.0 FUNC Record**

The FUNC record contains information pertaining to area functions at the DDSP New Cumberland site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The Tote, Active Item and Towline subcontroller processes will access this table.

**1.0.0.0 Data Elements In The FUNC**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
FUNC Work Area	FUNC_WKAREA	alphanumeric	4	
FUNC Area Code	FUNC_AREA_CODE	alphanumeric	1	1,2,4,5
FUNC Cage Offlimits Destinations	FUNC_BADCAGE_FLAG	alphanumeric	1	
FUNC Current Destination	FUNC_CUR_DEST	alphanumeric	3	
FUNC Default Destination	FUNC_DFLT_DEST	alphanumeric	4	
FUNC PLC Number	FUNC_PLC_NO	alphanumeric	3	
FUNC Type	FUNC_TYPE	alphanumeric	1	B,T,C
FUNC Workstation	FUNC_WKST	alphanumeric	4	
FUNC Spur Only Indicator	FUNC_SPUR_ONLY	alphanumeric	1	
FUNC Configurable Area Indicator	FUNC_CONFIG	alphanumeric	1	
FUNC Round Robin Usage Indicator	FUNC_RR_USE	alphanumeric	1	

**Table 0.0.0.0-1 FUNC Data Elements Table**

**2.0.0.0 FUNC Key Access**

The FUNC Table will be accessed by the FUNC Work Area primary key.

---

12.0.0      **GCCN Record**

The GCCN record contains information pertaining to control numbers on pallet conveyors at the DDSP New Cumberland site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The Keypad and Pallet subcontroller processes will access this table.

1.0.0.0      **Data Elements In The GCCN**

Table 0.0.0.0-1 shows the characteristics of the elements.

<b>NON-TECHNICAL NAME</b>	<b>TECHNICAL NAME</b>	<b>DATA TYPE</b>	<b>SIZE FORMAT</b>	<b>VALUES</b>
GCCN Carton Control Number	GCCN_CCN	alphanumeric	7	
GCCN Date	GCCN_DATE	julian date	8	
GCCN Lane	GCCN_LANE	alphanumeric	1	

**Table 0.0.0.0-1 GCCN Key Access Table**

2.0.0.0      **GCCN Key Access**

The GCCN Table will be accessed by the GCCN Carton Control Number primary key.

---

13.0.0 **HIST Record**

The HIST record contains information pertaining to packages previously in an AWOS system at a standard AWOS site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and AWOS subcontroller processes will access this table.

1.0.0.0 **Data Elements In The HIST**

Table 0.0.0.0-1 shows the characteristics of the elements.

<b>NON-TECHNICAL NAME</b>	<b>TECHNICAL NAME</b>	<b>DATA TYPE</b>	<b>SIZE FORMAT</b>	<b>VALUES</b>
HIST Control Number	HIST_CON_NO	alphanumeric	7	
HIST Weight	HIST_WEIGHT	numeric	6	
HIST Transmission Time	HIST_TRANSMIT_TIME	date	8	
HIST Received Time	HIST_RECEIVE_TIME	date	8	
HIST First Destination	HIST_DEST1	alphanumeric	3	
HIST Second Destination	HIST_DEST2	alphanumeric	3	
HIST Third Destination	HIST_DEST3	alphanumeric	3	
HIST Retired Date	HIST_RETIRE_DATE	date	8	
HIST Cube	HIST_CUBE	alphanumeric	4	
HIST Length	HIST_LENGTH	alphanumeric	2	
HIST Width	HIST_WIDTH	alphanumeric	2	
HIST Height	HIST_HEIGHT	alphanumeric	2	
HIST Subcontroller	HIST_SUBCONTROLLER	alphanumeric	5	

**Table 0.0.0.0-1 HIST Data Elements Table**

2.0.0.0 **HIST Key Access**

The HIST Table will be accessed by the HIST Control Number primary key.

---

14.0.0      **LANE Record**

The LANE record contains information pertaining to tote conveyor lanes.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The Tote subcontroller process will access this table.

1.0.0.0      **Data Elements In The LANE**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
LANE Identifier	LANE_ID	alphanumeric	4	
LANE Area	LANE_AREA	alphanumeric	1	
LANE Function	LANE_FUNC	alphanumeric	4	
LANE Status	LANE_STATUS	alphanumeric	1	

**Table 0.0.0.0-1 LANE Data Elements Table**

2.0.0.0      **LANE Key Access**

The LANE Table will be accessed by the LANE Identifier primary key.

---

15.0.0 **MOVE Record**

The MOVE record contains information pertaining to material moving through the DDSP New Cumberland site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface, Keypad, Pallet, Tote, Active Item, Sortation and Towline subcontroller processes will access this table.

1.0.0.0 **Data Elements In The MOVE**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
MOVE Control Number	MOVE_CON_NO	alphanumeric	7	
MOVE Chute Type	MOVE_CHUTE_TYPE	alphanumeric	1	
MOVE Chute ID	MOVE_CHUTE_ID	alphanumeric	3	
MOVE Chute Indicator	MOVE_CHUTE_IND	alphanumeric	1	H, L
MOVE Consolidation Field	MOVE_CONS_FLD	alphanumeric	15	
MOVE Conveyance ID	MOVE_CONVEY_ID	alphanumeric	7	
MOVE Date	MOVE_DATE	Julian date	8	
MOVE Destination	MOVE_DEST	alphanumeric	9	
MOVE Destination Code	MOVE_DEST_CD	alphanumeric	1	
MOVE Flag	MOVE_FLAG	alphanumeric	1	
MOVE Handling Unit	MOVE_HANDLING_UNIT	alphanumeric	1	
MOVE Intermediate Destination	MOVE_INTER_DEST	alphanumeric	9	
MOVE Intermediate Destination Code	MOVE_INTER_DEST_CD	alphanumeric	1	
MOVE Type	MOVE_MOVE_TY	alphanumeric	2	
MOVE Package Status	MOVE_PKG_STATUS	alphanumeric	1	D,B,0-9
MOVE Priority	MOVE_PRIORITY	alphanumeric	1	
MOVE Recirculation Count	MOVE_RECIRC_CNT	numeric	2	
MOVE Source	MOVE_SRC	alphanumeric	9	
MOVE Status	MOVE_STATUS	alphanumeric	1	
MOVE Transaction Status	MOVE_TRAN_STA	alphanumeric	1	

**Table 0.0.0.0-1 MOVE Data Elements Table**

2.0.0.0 **MOVE Key Access**

The MOVE Table will be accessed by the MOVE Control Number primary key.

---

DATABASE DESIGN DESCRIPTION DI-IPSC-81437

---

16.0.0      **PALT Record**

The PALT record contains information pertaining to seven digit control number cross referenced with a five digit control number required for pallet PLC movement at New Cumberland.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The Pallet Subcontroller will access this table.

1.0.0.0      **Data Elements in the PALT**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
PALT Five digit Control Number	PALT_FIVE_CN	alphanumeric	5	
PALT PLC Number	PALT_PLC_NO	alphanumeric	2	
PALT_Seven Digit Control Number	PALT_CON_NO	alphanumeric	7	
PALT Date	PALT_DATE	alphanumeric	8	

**Table 0.0.0.0-1 PALT Data Elements Table**

2.0.0.0      **PALT Key Access**

The PALT Table fields will be accessed by the Pallet Conveyor Subcontroller via the PALT Five Digit Control Number and PALT PLC Number primary key.

17.0.0 **PARM Record**

The PARM record contains information pertaining to general system parameters within the DDSP New Cumberland site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The Towline Subsystem accesses this table.

1.0.0.0 **Data Elements In The PARM**

Table 0.0.0.0-1 shows the characteristics of the elements.

<b>NON-TECHNICAL NAME</b>	<b>TECHNICAL NAME</b>	<b>DATA TYPE</b>	<b>SIZE FORMAT</b>	<b>VALUES</b>
PARM Relative Record Number	PARM_RRN	alphanumeric	3	'001'
PARM Control Number Sequence Number	PARM_CONTSEQ_NR	numeric	2	
PARM Cart Chain Number	PARM_CART_CHAIN_NR	numeric	2	
PARM Global Flag 1	PARM_G_C1	numeric	2	
PARM Global Flag 2	PARM_G_C2	numeric	2	
PARM Global Flag 3	PARM_G_C3	numeric	2	
PARM Global Flag 4	PARM_G_C4	numeric	2	
PARM Global Flag 5	PARM_G_C5	numeric	2	
PARM Global Flag 6	PARM_G_C6	numeric	2	
PARM Global Flag 7	PARM_G_C7	numeric	2	
PARM Global Flag 8	PARM_G_C8	numeric	2	
PARM Global Flag 9	PARM_G_C9	numeric	2	
PARM Global Flag 10	PARM_G_C10	numeric	2	
PARM Global Flag 11	PARM_G_C11	numeric	2	
PARM Global Flag 12	PARM_G_C12	numeric	2	
PARM Global Flag 13	PARM_G_C13	numeric	2	
PARM Global Flag 14	PARM_G_C14	numeric	2	
PARM Global Flag 15	PARM_G_C15	numeric	2	
PARM Global Flag 16	PARM_G_C16	numeric	2	
PARM Global Flag 17	PARM_G_C17	numeric	2	
PARM Global Flag 18	PARM_G_C18	numeric	2	
PARM Global Flag 19	PARM_G_C19	numeric	2	
PARM Global Flag 20	PARM_G_C20	numeric	2	
PARM Global Flag 21	PARM_G_C21	numeric	2	
PARM Global Flag 22	PARM_G_C22	numeric	2	

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
PARM Global Flag 23	PARM_G_C23	numeric	2	
PARM Global Flag 24	PARM_G_C24	numeric	2	
PARM Global Flag 25	PARM_G_C25	numeric	2	
PARM Global Flag 26	PARM_G_C26	numeric	2	
PARM Global Flag 27	PARM_G_C27	numeric	2	
PARM Global Flag 28	PARM_G_C28	numeric	2	
PARM Global Flag 29	PARM_G_C29	numeric	2	
PARM Global Flag 30	PARM_G_C30	numeric	2	
PARM Last Aisle S511	PARM_LAST_AISLE_S511	numeric	2	
PARM Enable S511 Flag	PARM_ENABLE_S511	alphanumeric	1	
PARM Enable S503 Flag	PARM_ENABLE_S503	alphanumeric	1	
PARM S503 Destination	PARM_S503_MT_DEST	alphanumeric	4	
PARM S511 Destination	PARM_S511_MT_DEST	alphanumeric	4	
PARM Request Number	PARM_RQST_NUMBER	numeric	2	
PARM Rack Bleed Off Limit	PARM_RACK_BLEED_OFF_LIMIT	numeric	2	
PARM Rack Bleed Off Counter	PARM_RACK_BLEED_OFF_COUNTER	numeric	2	
PARM MHP Bleed Off Limit	PARM_MHP_BLEED_OFF_LIMIT	numeric	2	
PARM MHP Bleed Off Counter	PARM_MHP_BLEED_OFF_COUNTER	numeric	2	

**Table 0.0.0.0-1 PARM Data Elements Table**

2.0.0.0      **Key Access**

The PARM Table will be accessed by the PARM Relative Record Number primary key.

18.0.0 **PLCS Record**

The PLCS record contains information pertaining to Towline PLC Spur Types and Status in the DDSP New Cumberland site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface, Pallet, Tote, Active Item, Sortation and Towline subcontroller processes will access this table.

1.0.0.0 **Data Elements In The PLCS**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
PLCS Number	PLCS_NUMBER	alphanumeric	2	
PLCS Subsystem	PLCS_SUBSYSTEM	alphanumeric	1	B,W,F,L
PLCS Just Started Flag	PLCS_ISNEW	BOOLEAN	1	
PLCS Status	PLCS_STATUS	alphanumeric	1	N,F

**Table 0.0.0.0-1 PLCS Data Elements Table**

2.0.0.0 **PLCS Key Access**

The PLCS Table will be accessed by the PLCS PLC Number and PLCS Subsystem primary keys.

---

19.0.0      **QUES Record**

The QUES record contains information pertaining to Medium/Heavy Pack Queues and Intradepot Receiving Queues in the DDSP New Cumberland site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and Towline subcontroller processes will access this table.

1.0.0.0      **Data Elements In The QUES**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
QUES Workstation	QUES_WORK_STN	alphanumeric	4	
QUES Type	QUES_TYPE	alphanumeric	2	QI, QM
QUES Conveyance ID	QUES_CONVEY_ID	alphanumeric	7	
QUES Position Number	QUES_POSITION_NR	numeric	2	
QUES Release Number	QUES_RELEASE_NR	numeric	2	

**Table 0.0.0.0-1 QUES Data Elements Table**

2.0.0.0      **QUES Key Access**

The QUES Table will be accessed by the QUES Conveyance ID primary key.

---

20.0.0      **RQST Record**

The RQST record contains information pertaining to requests for empty carts.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The Empty Cart Manager subcontroller processes will access this table.

1.0.0.0      **Data Elements In The RQST**

Table 0.0.0.0-1 shows the characteristics of the elements.

<b>NON-TECHNICAL NAME</b>	<b>TECHNICAL NAME</b>	<b>DATA TYPE</b>	<b>SIZE FORMAT</b>	<b>VALUES</b>
RQST Workstation ID	RQST_WKST_ID	alphanumeric	4	
RQST Number	RQST_NUMBER	numeric	4	
RQST Conveyance ID	RQST_CONVEY_TY	alphanumeric	2	

**Table 0.0.0.0-1 RQST Data Elements Table**

2.0.0.0      **RQST Key Access**

The RQST Table will be accessed by the RQST Number primary key.

21.0.0 **SPAL Record**

The SPAL record contains information pertaining to the TRIAX ASRS slave pallets at the Norfolk site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and TRIAX subcontroller processes will access this table.

1.0.0.0 **Data Elements In The SPAL**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
SPAL Pallet Identifier	SPAL_ID	alphanumeric	7	
SPAL Control Number	SPAL_CON_NO	alphanumeric	7	
SPAL Source Location	SPAL_SRC_LOC	alphanumeric	7	
SPAL Intermediate Loc	SPAL_INTR_LOC	alphanumeric	7	
SPAL Destination Loc	SPAL_DST_LOC	alphanumeric	7	
SPAL Current Loc	SPAL_CUR_LOC	alphanumeric	7	
SPAL Last Known Scanner Identifier	SPAL_LAST_SCANNER	alphanumeric	3	
SPAL Reject Status	SPAL_ERR	alphanumeric	3	
SPAL Time Stamp	SPAL_TIMESTAMP	date	8	
SPAL Recirculation Count	SPAL_RECIRC_CNT	numeric	6	
SPAL Last Command	SPAL_COMMAND_LAST	alphanumeric	3	
SPAL Current Command	SPAL_COMMAND_CURR	alphanumeric	3	
SPAL Next Command	SPAL_COMMAND_NEXT	alphanumeric	3	
SPAL In Out Type	SPAL_IN_OUT_TYPE	alphanumeric	1	

**Table 0.0.0.0-1 Data Elements Table**

2.0.0.0 **SPAL Key Access**

The SPAL Table will be accessed by the SPAL Pallet Identifier primary key.

---

22.0.0      **TOWC Record**

The TOWC record contains information pertaining to Towline Loop Counts within the DDSP New Cumberland site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface, Pallet and Towline Subcontroller processes will access this table.

1.0.0.0      **Data Elements In The TOWC**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
TOWC Loop Number	TOWC_LOOP_NR	alphanumeric	2	
TOWC Count	TOWC_COUNT	numeric	2	
TOWC Limit	TOWC_LIMIT	numeric	2	

**Table 0.0.0.0-1 TOWC Data Elements Table**

2.0.0.0      **TOWC Key Access**

The TOWC Table will be accessed by the TOWC Loop Number primary key.

---

23.0.0      **TOWS Record**

The TOWS record contains information pertaining to Towline Status within the DDSP New Cumberland site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and Towline Subcontroller processes will access this table.

1.0.0.0      **Data Elements In The TOWS**

Table 0.0.0.0-1 shows the characteristics of the elements.

<b>NON-TECHNICAL NAME</b>	<b>TECHNICAL NAME</b>	<b>DATA TYPE</b>	<b>SIZE FORMAT</b>	<b>VALUES</b>
TOWS PLC Number	TOWS_LOOP_NO	alphanumeric	3	
TOWS Relative Record Number	TOWS_RRN	alphanumeric	3	
TOWS Current Status	TOWS_CCURSTAT (4)	numeric	2	
TOWS Previous Status	TOWS_TCURSTAT (15,6)	numeric	2	

**Table 0.0.0.0-1 TOWS Data Elements Table**

2.0.0.0      **TOWS Key Access**

The TOWS Table will be accessed by the TOWS PLC Number primary key.

---

24.0.0      **WHSE Record**

The WHSE record contains information pertaining to warehouse drop points in the DDSP New Cumberland site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and Towline subcontroller processes will access this table.

1.0.0.0      **Data Elements In The WHSE**

Table 0.0.0.0-1 shows the characteristics of the elements.

<b>NON-TECHNICAL NAME</b>	<b>TECHNICAL NAME</b>	<b>DATA TYPE</b>	<b>SIZE FORMAT</b>	<b>VALUES</b>
WHSE Warehouse ID	WHSE_WRHS	alphanumeric	2	
WHSE Workstation	WHSE_WKST	alphanumeric	4	
WHSE Drop Point	WHSE_DROP_PT	alphanumeric	2	

**Table 0.0.0.0-1 WHSE Data Elements Table**

2.0.0.0      **WHSE Key Access**

The WHSE Table will be accessed by the WHSE Warehouse ID primary key.

---

25.0.0      **WKS2 Record**

The WKS2 record contains information pertaining to TRIAX ASRS Workstations at the Norfolk site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface and the TRIAX subcontroller processes will access this table.

1.0.0.0      **Data Elements In The WKS2**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
WKS2 Identifier	WKS2_ID	alphanumeric	3	
WKS2 Name	WKS2_NAME	alphanumeric	4	
WKS2 Capacity	WKS2_CAPACITY	numeric	6	
WKS2 Enroute Count	WKS2_ENRT_COUNT	numeric	6	
WKS2 In Count	WKS2_IN_COUNT	numeric	6	
WKS2 Slave Pallet Identifier	WKS2_SPAL_ID	alphanumeric	7	
WKS2 Load Present Flag	WKS2_LOAD_PRES	alphanumeric	1	
WKS2 Fault Message	WKS2_FAULT	alphanumeric	2	
WKS2 Load Destination	WKS2_LOAD_DEST	alphanumeric	3	
WKS2 Logged In Flag	WKS2_LOGGED_IN	alphanumeric	1	
WKS2 Terminal Identifier	WKS2_TERMINAL_ID	alphanumeric	8	
WKS2 Description	WKS2_DESCRIPTION	alphanumeric	25	
WKS2 Time Stamp	WKS2_TIMESTAMP	date	8	

**Table 0.0.0.0-1 WKS2 Data Elements Table**

2.0.0.0      **WKS2 Key Access**

The WKS2 Table will be accessed by the WKS2 Identifier primary key.

26.0.0 **WKST Record**

The WKST record contains information pertaining to workstations in the DDSP New Cumberland site.

All fields are defined in the Data Dictionary Appendix of the ECS SRS. The User Interface, Pallet, Tote, Active Item and Towline subcontroller processes will access this table.

1.0.0.0 **Data Elements In The WKST**

Table 0.0.0.0-1 shows the characteristics of the elements.

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
WKST Workstation Identifier	WKST_WORK_STN	alphanumeric	4	
WKST Workstation Area	WKST_AREA	alphanumeric	4	
WKST Arrival Count	WKST_AR_COUNT	numeric	2	
WKST CARQ Type	WKST_CARQ_TY	alphanumeric	2	
WKST Capacity	WKST_CAPACITY	numeric	2	
WKST Chain ID	WKST_CHAIN_ID	alphanumeric	4	
WKST Control Number	WKST_CON_NO	alphanumeric	7	
WKST Conveyance ID	WKST_CONVEY_ID	alphanumeric	7	
WKST Count Enroute	WKST_COUNT_ENRT	numeric	2	
WKST Count In	WKST_COUNT_IN	numeric	2	
WKST Count Required	WKST_COUNT_REQ	numeric	2	
WKST DCAR Area	WKST_DCAR_AREA	alphanumeric	1	1,2,3,4,5
WKST Default Destination	WKST_DFLT_DEST	alphanumeric	4	
WKST Logical Status	WKST_LOG_STA	alphanumeric	1	A,I

NON-TECHNICAL NAME	TECHNICAL NAME	DATA TYPE	SIZE FORMAT	VALUES
WKST Next Loop	WKST_NEXT_LOOP	numeric	2	
WKST Next Spur	WKST_NEXT_SPUR	alphanumeric	4	
WKST Over	WKST_OVER	alphanumeric	1	0,1
WKST Physical Status	WKST_PHY_STA	alphanumeric	1	N,F
WKST PLC Number	WKST_PLA_NO	alphanumeric	3	
WKST Previous Loop	WKST_PREV_LOOP	numeric	2	
WKST Priority	WKST_PRIOR	alphanumeric	1	
WKST Spur	WKST_SPUR	alphanumeric	4	
WKST Workstation Type	WKST_WORK_STN_TY	alphanumeric	2	

**Table 0.0.0.0-1 WKST Data Elements Table****2.0.0.0      WKST Key Access**

The WKST Table will be accessed by the WKST Workstation Identifier primary key.

---

6.0

**DETAILED DESIGN OF SOFTWARE UNITS**

Project-unique Identifier of a Software Unit

All software units accessing the above tables have been identified in the SDD.

---

7.0

**NOTES**

None.

**LIST OF EFFECTIVE PAGES**  
Database Design Description DI-IPSC-81437

Date of issue for revision and changed pages is:

Revision 0/Change 1.....10/20/95  
Revision 0/Change 2.....12/08/95  
Revision 1/Change 0.....09/09/96  
Revision 1/Change 1.....11/01/96  
Revision 2/Change 0.....09/08/97  
Revision 3/Change 0.....05/03/97  
Revision 3/Change 1.....05/25/99  
Revision 4/Change 0.....09/15/99  
Revision 4a/Change 0.....09/01/99  
Revision 5/Change 0.....01/25/00  
Revision 6/Change 0.....09/26/00  
Revision 7/Change 0.....04/13/01

TOTAL NUMBER OF PAGES IN THIS REVISION IS 31, CONSISTING OF THE FOLLOWING:

PAGE NO.	REV. NO.	REASON FOR CHANGE
COVER	7/Change 0	Changed revision/change number and the date.
i-ii	7/Change 0	TOC reflects changes and realignments throughout document.
4-17 through 4-45	7/Change 0	Updated tables.

**LIST OF EFFECTIVE PAGES**  
Database Design Description DI-IPSC-81437

Date of issue for revision and changed pages is:

Revision 7/Change 1.....06/08/01

TOTAL NUMBER OF PAGES IN THIS REVISION IS 10, CONSISTING OF THE FOLLOWING:

PAGE NO.	REV. NO.	REASON FOR CHANGE
COVER	7/Change 1	Changed revision/change number and the date.
i-ii	7/Change 1	TOC reflects changes throughout document. Changes to documentation to include changes associated with SCR DSS-RE0-088.
4-1	7/Change 1	Deleted reference to Tracy from section 4.0 Detailed Design of the Database (except Lower Tier New Cumberland)
4-16	7/Change 1	Added Active Item reference to paragraph 4.3.2.
5-2	7/Change 1	Added Active Item reference to paragraph 5.1.1..
5-7	7/Change 1	Added Active Item reference to paragraph 5.1.6.
5-11	7/Change 1	Added Active Item reference to paragraph 5.1.10.
5-16	7/Change 1	Added Active Item reference to paragraph 5.1.13.
5-22	7/Change 1	Added Active Item reference to paragraph 5.1.19.

**LIST OF EFFECTIVE PAGES**

Database Design Description DI-IPSC-81437

Date of issue for revision and changed pages is:

Revision 7/Change 2.....05/22/02

TOTAL NUMBER OF PAGES IN THIS REVISION IS THE ENTIRE DOCUMENT,  
CONSISTING OF THE FOLLOWING:

PAGE NO.	REV. NO.	REASON FOR CHANGE
COVER	7/Change 2	Changed revision/change number and the date.
i-ii	7/Change 2	TOC reflects changes throughout document. Changes to documentation to include changes associated with SCR# DSS-RE2-016
4-17	7/Change 2	Updated paragraph 4.3.3, removed reference to TRIAX ASRS. DSS dropped the requirement - in turn TRIAX not using. Used now for Y109. Changes in association with SCR# DSS-RE2-016
4-30	7/Change 2	Updated typo in Table 4.3.15 -1, changing FUNCTION to FUNC
5-10	7/Change 2	Added section 5.1.9 in association with SCR# DSS-RE2-016

**LIST OF EFFECTIVE PAGES**

Database Design Description DI-IPSC-81437

Date of issue for revision and changed pages is:

Revision 7/Change 3.....07/12/02

TOTAL NUMBER OF PAGES IN THIS REVISION IS THE ENTIRE DOCUMENT,  
CONSISTING OF THE FOLLOWING:

PAGE NO.	REV. NO.	REASON FOR CHANGE
COVER	7/Change 3	Changed revision/change number and the date.
i-ii	7/Change 3	TOC reflects changes throughout document.
2-1	7/Change 3	Updated entire section 2.0 Referenced Documents changes in association with SCR# DSS-PW0-131.

**LIST OF EFFECTIVE PAGES**

Database Design Description DI-IPSC-81437

Date of issue for revision and changed pages is:

Revision 7/Change 4.....12/28/02

TOTAL NUMBER OF PAGES IN THIS REVISION IS THE ENTIRE DOCUMENT,  
CONSISTING OF THE FOLLOWING:

PAGE NO.	REV. NO.	REASON FOR CHANGE
COVER	7/Change 4	Changed revision/change number and the date.
i-ii	7/Change 4	TOC reflects changes throughout document.
2-1	7/Change 4	Added sections 5.1.2, 5.1.3, 5.1.4, 5.1.5, 5.1.6, 5.1.21, 5.1.26. Changes in association with SCR# DSS-DC0-996.

**LIST OF EFFECTIVE PAGES**

Database Design Description DI-IPSC-81437

Date of issue for revision and changed pages is:

Revision 7/Change 5.....04/14/04

TOTAL NUMBER OF PAGES IN THIS REVISION IS THE ENTIRE DOCUMENT,  
CONSISTING OF THE FOLLOWING:

PAGE NO.	REV. NO.	REASON FOR CHANGE
COVER	7/Change 5	Changed revision/change number and the date.
i-ii	7/Change 5	TOC reflects changes throughout document.
4-16	7/Change 5	Added Data Elements to section 4.3.2.1 in association with SCR# DSS-SP3-106