

The Continual Pursuit of the One True Software Resources Data Reporting (SRDR) Database

ICEAA Conference, SW Track

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Abstract

Last year the authors presented an in-process review of an MS Access database being developed for the Office of the Deputy Assistant Secretary of the Army for Cost and Economics (ODASA-CE). The purpose of the database was to provide a queryable, sortable source of Software Resource Data Reports (SRDRs), collected by the Defense Cost and Resource Center (DCARC) on Major Defense Acquisition Programs (MDAPs). The presentation focused on highlighting 1) the importance of SRDRs as a source of software sizing, effort, cost, and schedule data to support estimating; and 2) challenges associated with data collection, normalization, and analysis.

The authors set out to build just such a database. This paper demonstrates the conclusion of the first part of their journey, and the success in bringing to fruition a living artifact that can be of tremendous utility to the defense software estimating community.

More specifically, this paper will demonstrate the ability for one database to store the raw source data in its original form at an atomic level, exactly as submitted by WBS element and reporting event. This database allows evaluations, interpretations, and annotations of the data, including appropriate pairing of Initial and Final reports; mapping of SLOC to standard categories for the purposes of determining ESLOC; normalization of software activities to a standard set of activities; and storage of previous assessments, such as those of the aforementioned experts. The audience will be exposed to flexible queries for quick, reliable access to the desired data to support analysis, as well as the DCARC record of submitted and expected SRDRs in order to track missing past data and anticipate future data.

The demonstration will also incorporate efforts made by such luminaries in the field as Dr. Wilson Rosa and Mr. Mike Popp to excerpt and summarize the “good” data from SRDRs and make them available to the community. Such summaries typically involve subjective interpretations of the raw data, and by their nature are snapshots in time and may not distinguish between final data and those for which updates are expected.

As the journey for a unified database cannot conclude with one department of one service, the paper will spend time on the collaborative efforts of the SRDR Working Group, the continual improvements to the database, and how best to make it available to the broader community.

Outline

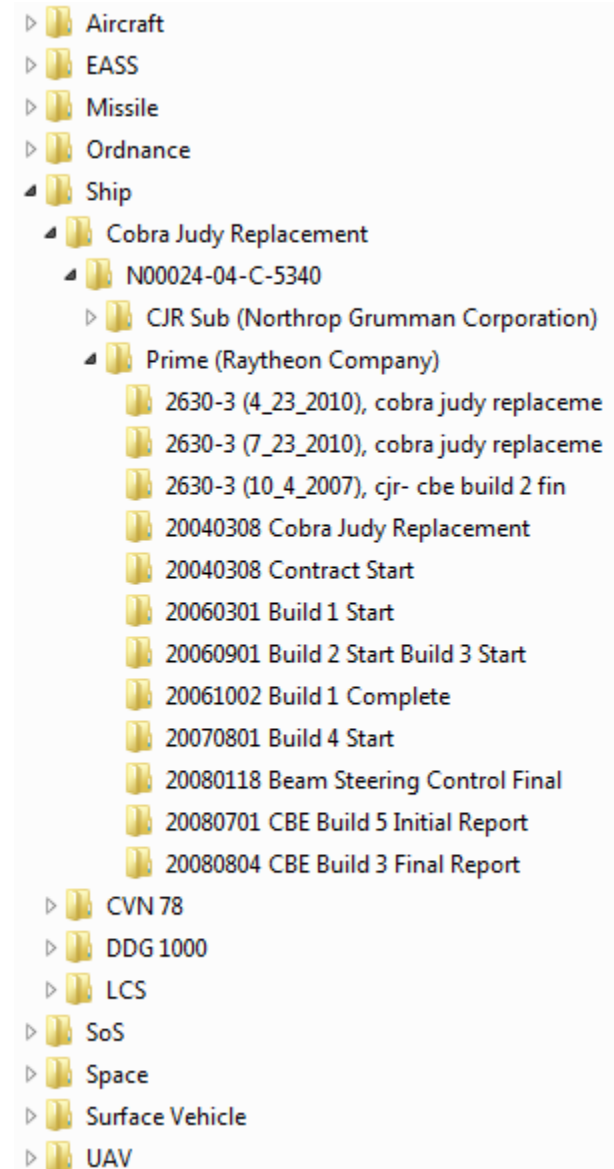
- Where we were: Multiple data sources, each with their own limitations
 - Defense Cost and Resource Center (DCARC) SRDRs
 - Popp/Rosa data and evaluations
 - Difficulty in mapping between DCARC data and Popp/Rosa data and evaluations
- Where we are: Single Relational Database
 - Stats on database population
- How we are getting there:
 - Database overview
 - Challenges
 - Future goals

Where we were...

- DCARC: Defense Automated Cost Information Management System (DACIMS) provides a central *repository*, but is not a *database*
 - Authoritative source
 - Non-normalized (not “analysis ready”)
 - Inconsistent content and format of reports
 - Abandonment of DD 2630
 - Evolving Data Item Description (DID)
 - Not easily searchable/retrievable
- Popp/Rosa Database:
 - Mike Popp (NAVAIR/Omnitec) has done a yeoman’s job of compiling SRDR data as a shareable Flat File (spreadsheet)
 - Further annotated by Dr. Wilson Rosa (then-AFCAA)
 - Non-authoritative source
 - Normalized (analysis ready, maybe?)
- Difficulty in mapping between sources

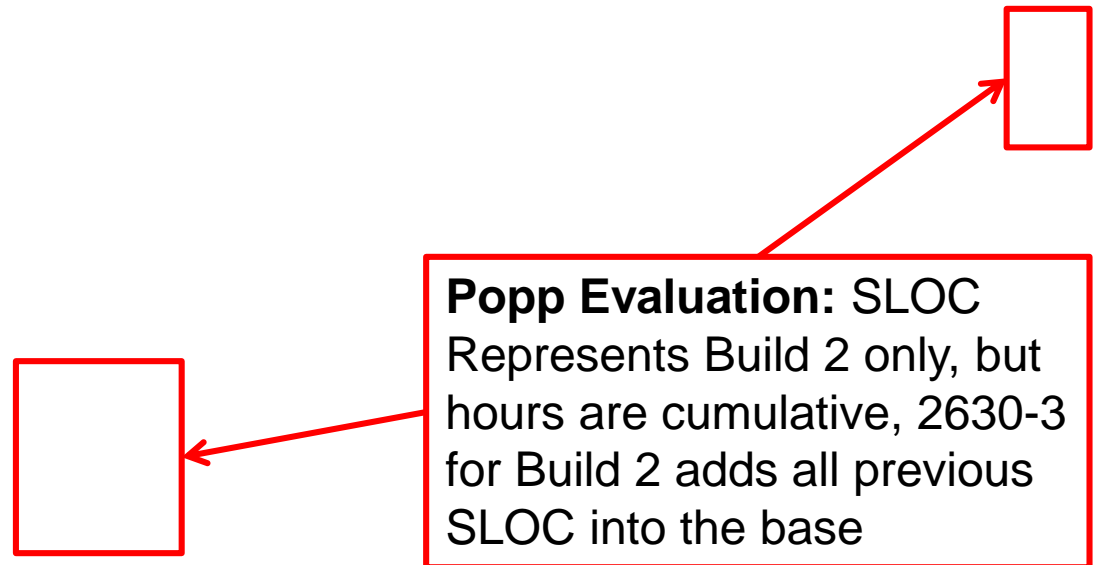
DACIMS is a Repository

- SRDRs are stored in a file structure tantamount to the one seen on the right
- Manually have to retrieve SRDRs one at a time
- No convenient way to search/filter SRDRs based on data needs



Popp/Rosa Database

- Popp and Rosa database provides much needed evaluation of SRDRs stored in DACIMS



SRDRWG Vision

- “One OSD-hosted, central, user-friendly, authoritative, real-time software cost database and tool”

- Ms. Ranae Woods AFCAA, Chair
Aviation CIPT, May 2014

- OSD-hosted = integrated with CADE
- Central = configuration-controlled, mutually accessible annotations
- User-friendly = queries from relational database, producing “analysis-ready” results
- Authoritative = “community-approved” data traceable back to original submissions
- Real-time = up to date with latest submissions
- Consistent with OSD CAPE vision for CSDR overhaul

Having Our Cake...

- Unified Software Database is for:
 - The ODASA-CE Client, built with their data (Army) and models in mind, but the Community* can leverage both the functionality and content of the database (e.g., OSD CAPE for CADE)
 - The Community, built with a broad (and ever-broadening) perspective, and ODASA-CE can directly benefit from their involvement
- Unified Software Database is:
 - A database proper, to store, relate, and annotate primary source information
 - A data analysis tool, primarily via automated queries to extract and export data in the desired format
- Unified Software Database contains:
 - SRDR data, the official DoD software data source
 - Non-SRDR data, as collected by ODASA-CE/Technomics
- Unified Software Database is:
 - Backward-looking, capturing legacy data in various formats and annotations thereof
 - Forward-looking, enabling improved data collection in the future

Unified SW Database Vision

- A single *relational* Access database that contains:
 - Raw source data (fully traceable)
 - Data at the level at which it is reported (WBS element, “atomic level”)
 - Both “initial” and “final” instances of a reporting event
 - DCARC CSDR Plan information for reporting events that are still missing or expected in the future
 - Assumptions and context about the data that facilitate analysis (e.g., Pairing ID)
 - Evaluations of the quality of the data (e.g., knowing that counting rules are not provided in the data dictionary)
- New database provides the ability to:
 - Quickly query data at both the lowest level and summary-levels in order to track progress in obtaining missing data
 - Use the level of data most appropriate for the analysis (e.g., contract vs. plan vs. event)
 - Tag and store “Roll-ups” of data
 - Tag and store Initial/Final pairings of data points
 - Interface with and “feed” multiple workbooks that serve different analytic purposes (without touching or modifying the original data)
 - “Save” queries and dashboards that allow analyst to quickly access often-used sets of data

Unified SW Database Strengths

- Preserve atomic raw un-normalized SRDR data
- Relational database
 - Data integrity, flexible queries, etc.
- Enables “crowd-sourcing” community-best version of SRDR database (under aegis of CADE?)
 - Quality assessments, annotations, etc.
- More efficient data ingest
 - XML → DCARC → SWDB
 - Accommodates DID changes, known and unknown
- More rigorous access control and DB exports
 - Full-context versions where NDAs exist
 - Anonymized version (only valuable if you trust the source)

Disclaimer

1. I only code/program out of necessity
2. This database is a proof of concept and not a final product

Demo Back-Up

“Home Page”

Software Report Database

Software Report Database

Database Status Report

Services to include in status report

Army Navy Air Force
 Department of Defense Missile Defense Agency

These status reported in relation to CSDR Summary Report

		Relevant records in database for DACIMS Accepted reports			Future reports expected by DACIMS		In DACIMS, but not matched to CSDR Summary Report
Total		All	Some	None			
66	Programs	2	3	61	17		
97	Contracts	12	35	50	28		
172	Plans	21	16	182	40		
502	Events	65		437	294		272

Browse SRDRs

Navigation

[Browse/Query Data](#) [Edit/Enter Data](#) [Evaluate Data](#)

“Army Only”

Software Report Database

Software Report Database

Database Status Report

Services to include in status report

Army Navy Air Force
 Department of Defense Missile Defense Agency

These status reported in relation to CSDR Summary Report

	Relevant records in database for DACIMS Accepted reports				Future reports expected by DACIMS	In DACIMS, but not matched to CSDR Summary Report
Total	All	Some	None			
20	Programs	1	2	17	4	
30	Contracts	6	12	19	7	
55	Plans	15	11	51	9	
184	Events	50		134	80	128

Browse SRDRs

Navigation

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Browse SRDRs

Software Report Database Search SRDRs

High-Level Search

Services **Air Force**
Army
Department of Defense
Missile Defense Agency
Navy

Selecting none is the same as selecting all.

DACIMs or Popp Data Set:
DACIMS

Programs
B-2 Radar Modernization Program
C-130J Cargo Aircraft Program
Family of Beyond Line-of-Sight Terminals
Mission Planning System
Multi-Platform Radar Technology Insertion Program

Contracts
F08635-03-C-0059
F42620-01-D-0058
FA8720-04-D-0002
FA8720-04-D-0002 DO 0004
FA8720-04-D-0003
FA8720-04-D-0004
FA8720-04-D-0004 DO 0003
FA8720-04-D-0005

CSDR Plan Numbers
AF-04-C-C15
AF-04-C-C35

Reporting Events
CLIN 0001 Contract Complete \EASS\MPS\FA8720-04-D-0002\Prime (BAE Systems)\20080220 System Requirem
CLIN 0003 Delivery Order Option Award
Delivery Order Award \EASS\MPS\FA8720-04-D-0002\Prime (BAE Systems)\20070720 Delivery Order Av

[Go to SRDR View](#) [Go to Original](#)

SRDR View – Section 3.1

Software Report Database Search SRDRs SRDREntry

SRDR Entry Form ID: 1722 Add Record

1046 Find Record Previous Record Next Record Make New Record from Current Add New CSDR

Unclassified Fields in all capital letters exist on 2011 SRDR form. All others are available for legacy forms.

SECURITY CLASSIFICATION CSDR Plan Number

SOFTWARE RESOURCES DATA REPORTING: Initial **DEVELOPER REPORT**
Due 60 days after contract award and 60 days after start of any release or build.

Section 3.1 Section 3.2 Section 3.3 Section 3.4 Section 3.5 Other Reporting Event: Delivery Order Award

Section 3.1 REPORT CONTEXT AND DEVELOPMENT ORGANIZATION

MAJOR PROGRAM a. NAME: Mission Planning System b. PHASE/MILESTONE

REPORTING ORGANIZATION TYPE: PRIME/ASSOCIATE CONTRACTOR DIRECT-REPORTING SUBCONTRACTOR GOVERNMENT
 NAME/ADDRESS a. REPORTING ORGANIZATION: b. DIVISION:

APPROVED PLAN NUMBER: AF-04-C-35 CUSTOMER CONTRACT TYPE

WBS ELEMENT CODE: 1.1.1.2 WBS REPORTING ELEMENT: Framework 1.4 Applications Software

TYPE ACTION a. CONTRACT NO.: FA8720-04-D-0002 c. SOLICITATION NO. e. TASK ORDER / DELIVERY ORDER NO.
 b. LATEST MODIFICATION: d. NAME:

PERIOD OF PERFORMANCE a. START DATE: b. END DATE: APPROPRIATION: RDTR&E Procurement O&M
 SUBMISSION NUMBER: RESUBMISSION NUMBER: Supersedes Number: REPORT AS OF: 7/20/2007
 DATE PREPARED: Revision Date:

NAME (Last, First, Middle Initial) DEPARTMENT TELEPHONE Fax EMAIL ADDRESS
 Signature Date

Data Entry Remarks

ID	SRDRID	SRDR Field	Remark	SubID
(New)	1722			

Record: 1 of 1 Filtered Search

SRDREntryZc SRDREntry_IC SRDR Field Correction Remark

SRDREntryZc	SRDREntry_IC	SRDR Field	Correction	Remark
(New)	1722			

Record: 1 of 1 Filtered Search

SRDR View – Section 3.1 (Bottom)

Software Report Database Search SRDRs SRDREntry

SRDR Entry Form ID (New) Add Record

Find Record Previous Record Next Record Make New Record from Current Add New CSDR

TYPE ACTION a. CONTRACT NO.: c. SOLICITATION NO. e. TASK ORDER / DELIVERY ORDER NO.
 b LATEST MODIFICATION: d. NAME:

PERIOD OF PERFORMANCE APPROPRIATION SUBMISSION NUMBER
 a. START DATE: RDT&E RESUBMISSION NUMBER
 b. END DATE: Procurement Supersedes Number
 O&M REPORT AS OF
 Revision Date DATE PREPARED

NAME (Last, First, Middle Initial) DEPARTMENT TELEPHONE Fax EMAIL ADDRESS
 Signature Date

DEVELOPMENT ORGANIZATION SOFTWARE PROCESS MATURITY LEAD EVALUATOR
 CERTIFICATION DATE EVALUATOR AFFILIATION

PRECEDENTS

ID	SRDRID	PRECEDENT
*	(New)	

Record: 1 of 1 No Filter Search

SRDR DATA DICTIONARY FILENAME

COMMENTS

Data Entry Remarks

ID	SRDRID	SRDR Field	Remark	SubID
*	(New)			

Record: 1 of 1 No Filter Search

Zero Level Corrections

SRDREntryZc	SRDREntry_IC	SRDR Field	Correction	Remark
*	(New)			

Record: 1 of 1 No Filter Search

Record: 2 of 2 Filtered Search

SRDR View – Section 3.2 (Top)

Software Report Database Search SRDRs SRDREntry

SRDR Entry Form ID (New) Add Record

Find Record Previous Record Next Record Make New Record from Current Add New CSDR

Unclassified Fields in all capital letters exist on 2011 SRDR form. All others are available for legacy forms.

SECURITY CLASSIFICATION CSDR Plan Number

SOFTWARE RESOURCES DATA REPORTING: DEVELOPER REPORT
Due 60 days after contract award and 60 days after start of any release or build.

Section 3.1 Section 3.2 Section 3.3 Section 3.4 Section 3.5 Other Reporting Event

Section 3.2 PRODUCT AND DEVELOPMENT DESCRIPTION

FUNCTIONAL DESCRIPTION

APPROVED PLAN NUMBER

SOFTWARE DEVELOPMENT CHARACTERIZATION

ID	SRDRID	APPLICATION TYPE	PROGRAMMING LANGUAGE	PERCENT OF I	ACTUAL DEVELOPMENT PROC	SW DEVELOPE
* (New)						

Record: No Filter Search

SOFTWARE REUSE

ID	SRDRID	Name	Description
* (New)			

Record: No Filter Search

Section 3.2.4 COTS/GOTS APPLICATIONS USFD:

Data Entry Remarks

ID	SRDRID	SRDR Field	Remark	SubID
* (New)				

Record: 1 of 1 No Filter Search

Zero Level Corrections

SRDREntryZε	SRDREntry_IC	SRDR Field	Correction	Remark
* (New)				

Record: 1 of 1 No Filter Search

Record: 2 of 2 Filtered Search

SRDR View – Section 3.2 (Bottom)

Software Report Database Search SRDRs SRDREntry

SRDR Entry Form ID Add Record

Find Record Previous Record Next Record Make New Record from Current Add New CSDR

SOFTWARE DEVELOPMENT CHARACTERIZATION

ID	SRDRID	APPLICATION TYPE	PROGRAMMING LANGUAGE	PERCENT OF I	ACTUAL DEVELOPMENT PROC	SW DEVELOPME
* (New)						

Record: No Filter Search

SOFTWARE REUSE

ID	SRDRID	Name	Description
* (New)			

Record: No Filter Search

Section 3.2.4 COTS/GOTS APPLICATIONS USED:

ID	SRDRID	NAME	INTEGRATION EFFORT
* (New)			

Record: No Filter Search

Section 3.2.5 STAFFING

PEAK STAFF PEAK STAFF DATE HOURS/STAFF-MONTH

Section 3.2.6 PERSONAL EXPERIENCE IN DOMAIN

SRDRID	ID	LEVEL	PERCENT OF PERSONNEL
* (New)			

Record: No Filter Search

COMMENTS

Data Entry Remarks

ID	SRDRID	SRDR Field	Remark	SubID
* (New)				

Record: 1 of 1 No Filter Search

Zero Level Corrections

SRDREntryZc	SRDREntry_IC	SRDR Field	Correction	Remark
* (New)				

Record: 1 of 1 No Filter Search

Record: 2 of 2 Filtered Search

SRDR View – Section 3.3

Software Report Database Search SRDRs SRDREntry

SRDR Entry Form ID: Add Record

Find Record Previous Record Next Record Make New Record from Current Add New CSDR

Unclassified Fields in all capital letters exist on 2011 SRDR form. All others are available for legacy forms.

SECURITY CLASSIFICATION CSDR Plan Number

SOFTWARE RESOURCES DATA REPORTING: DEVELOPER REPORT
Due 60 days after contract award and 60 days after start of any release or build

Section 3.1 Section 3.2 Section 3.3 Section 3.4 Section 3.5 Other Reporting Event

Section 3.3 PRODUCT SIZE REPORTING

NUMBER OF SOFTWARE REQUIREMENTS	TOTAL <input type="text"/>	NUMBER OF EXTERNAL INTERFACE REQUIREMENTS	TOTAL <input type="text"/>	REQUIREMENTS VOLATILITY
	NEW <input type="text"/>		NEW <input type="text"/>	<input type="text"/>

FINAL TOTAL DELIVERED CODE

ID	SRDRID	TYPE	COUNTING CONVENTION	SUBTYPE	PRIME CONT	ALL OTHER SL
* <input type="text" value="(New)"/>						

Record: 1 of 1 No Filter Search

COMMENTS

Data Entry Remarks

ID	SRDRID	SRDR Field	Remark	SubID
* <input type="text" value="(New)"/>				

Record: 1 of 1 No Filter Search

Zero Level Corrections

SRDREntryZc	SRDREntry_IC	SRDR Field	Correction	Remark
* <input type="text" value="(New)"/>				

Record: 1 of 1 No Filter Search

Record: 1 of 2 Filtered Search

SRDR View – Section 3.4

Software Report Database Search SRDRs **SRDREntry**

SRDR Entry Form ID Add Record

Find Record Previous Record Next Record Make New Record from Current Add New CSDR

Unclassified Fields in all capital letters exist on 2011 SRDR form. All others are available for legacy forms.

SECURITY CLASSIFICATION CSDR Plan Number

SOFTWARE RESOURCES DATA REPORTING: **DEVELOPER REPORT**
Due 60 days after contract award and 60 days after start of any release or build.

Section 3.1 Section 3.2 Section 3.3 **Section 3.4** Section 3.5 Other Reporting Event

Section 3.4 RESOURCE AND SCHEDULE REPORTING

ID	SRDRID	SOFTWARE ACTIVITY NAME	MAPS TO CSDR WBS NUMBER	START MONT	END MONTH	TOTAL HOURS PRIME	TOTA
* (New)							

Record: 14 No Filter Search

TOTAL SOFTWARE DEVELOPMENT EFFORT PRIME CONTRACTOR ONLY ALL OTHER SUBCONTRACTORS

COMMENTS

Data Entry Remarks

ID	SRDRID	SRDR Field	Remark	SubID
* (New)				

Record: 14 1 of 1 No Filter Search

Zero Level Corrections

SRDREntryZ€	SRDREntry_IC	SRDR Field	Correction	Remark
* (New)				

Record: 14 1 of 1 No Filter Search

Record: 14 2 of 2 Filtered Search

SRDR View – Section 3.5

Software Report Database Search SRDRs SRDREntry

SRDR Entry Form ID (New) Add Record

Find Record Previous Record Next Record Make New Record from Current Add New CSDR

Unclassified Fields in all capital letters exist on 2011 SRDR form. All others are available for legacy forms.

SECURITY CLASSIFICATION CSDR Plan Number

SOFTWARE RESOURCES DATA REPORTING: DEVELOPER REPORT
Due 60 days after contract award and 60 days after start of any release or build

Section 3.1 Section 3.2 Section 3.3 Section 3.4 Section 3.5 Other Reporting Event

Section 3.5 PRODUCT QUALITY REPORTING

NUMBER OF DEFECTS DISCOVERED NUMBER OF DEFECTS REMOVED

COMMENTS: NUMBER OF DEFECTS DEFERRED TO POST DEPLOYMENT

APPROVED PLAN NUMBER

Required or Actual Mean Time to Serious or Critical Defect (MTTD) at Delivery in Hours:

Observed or Computed Reliability Compared with Nominal Reliability of Analogous Systems:

Data Entry Remarks

ID	SRDRID	SRDR Field	Remark	SubID
* <input type="text"/> (New)				

Record: 1 of 1 No Filter Search

Zero Level Corrections

SRDREntry	SRDREntry_IC	SRDR Field	Correction	Remark
* <input type="text"/> (New)				

Record: 1 of 1 No Filter Search

Record: 4 of 2 Filtered Search

SRDR View – Section 3.5

Software Report Database Search SRDRs SRDREntry

SRDR Entry Form ID (New) Add Record

Find Record Previous Record Next Record Make New Record from Current Add New CSDR

Unclassified Fields in all capital letters exist on 2011 SRDR form. All others are available for legacy forms.

SECURITY CLASSIFICATION CSDR Plan Number

SOFTWARE RESOURCES DATA REPORTING: **DEVELOPER REPORT**
Due 60 days after contract award and 60 days after start of any release or build.

Section 3.1 Section 3.2 Section 3.3 Section 3.4 Section 3.5 Other Reporting Event

Data Input Fields

Relative File Location

APPROVED PLAN NUMBER

Data Entry Remarks

ID	SRDRID	SRDR Field	Remark	SubID
* <input type="text"/> (New)				

Record: 14 1 of 1 No Filter Search

Zero Level Corrections

SRDREntryZε	SRDREntry_IC	SRDR Field	Correction	Remark
* <input type="text"/> (New)				

Record: 14 1 of 1 No Filter Search

Record: 14 2 of 2 Filtered Search

Browse SRDRs

Software Report Database Search SRDRs

High-Level Search

Services **Air Force**
Army
Department of Defense
Missile Defense Agency
Navy

Selecting none is the same as selecting all.

DACIMs or Popp Data Set:
DACIMS

Programs
B-2 Radar Modernization Program
C-130J Cargo Aircraft Program
Family of Beyond Line-of-Sight Terminals
Mission Planning System
Multi-Platform Radar Technology Insertion Program

Contracts
F08635-03-C-0059
F42620-01-D-0058
FA8720-04-D-0002
FA8720-04-D-0002 DO 0004
FA8720-04-D-0003
FA8720-04-D-0004
FA8720-04-D-0004 DO 0003
FA8720-04-D-0005

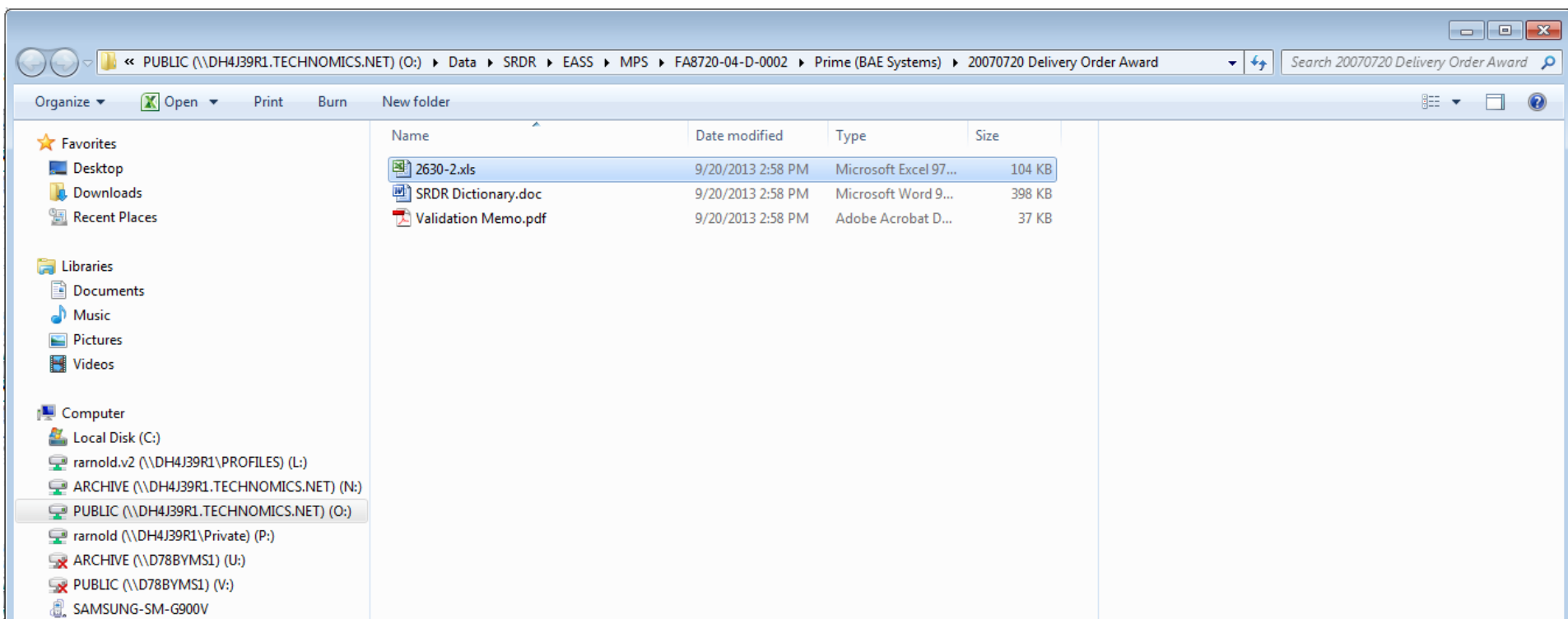
CSDR Plan Numbers
AF-04-C-C15
AF-04-C-C35

Reporting Events

CLIN 0001 Contract Complete	\EASS\MPS\FA8720-04-D-0002\Prime (BAE Systems)\20080220 System Requirem
CLIN 0003 Delivery Order Option Award	
Delivery Order Award	\EASS\MPS\FA8720-04-D-0002\Prime (BAE Systems)\20070720 Delivery Order Av

[Go to SRDR View](#) [Go to Original](#)

Original View



Browse Popp/Rosa Data

Software Report Database Search SRDRs

High-Level Search

Services **Air Force**
Army
Department of Defense
Missile Defense Agency
Navy

Selecting none is the same as selecting all.

DACIMs or Popp Data Set:
Popp/Rosa

Programs
B-2 Radar Modernization Program
C-130J Cargo Aircraft Program
Family of Beyond Line-of-Sight Terminals
Mission Planning System
Multi-Platform Radar Technology Insertion Program

Contracts
F08635-02-D-0035
F08635-03-C-0059
F42620-01-D-0058-SC29
FA8720-04-D-0002
FA8720-04-D-0003
FA8720-04-D-0004
FA8720-04-D-0005
FA8720-04-D-0006

CSDR Plan Numbers
AF-04-C-C15-(R)

Reporting Events
Cycle Complete
Delivery Order Award

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“Home Page”

Software Report Database

Software Report Database

Database Status Report

Services to include in status report

Army Navy Air Force
 Department of Defense Missile Defense Agency

These status reported in relation to CSDR Summary Report

		Relevant records in database for DACIMS Accepted reports			Future reports expected by DACIMS		In DACIMS, but not matched to CSDR Summary Report	
Total		All	Some	None				
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97	Contracts	12	35	50	28			
172	Plans	21	16	182	40			
502	Events	65		437	294	272		

Browse SRDRs

Navigation

Browse/Query Data

Edit/Enter Data

Evaluate Data

Browse/Query Data

Software Report Database frmQuery

Choose the records you would like to see:

Army Navy Air Force Department of Defense Missile Defense Agency

Total Effort Hours
Between: And:

Total Size (Total SLOC)
Between: And:

MUST include complete data for:

Effort Hours
 SLOC

DACIMs or Popp Data Set:

Roll-up Level:

ONLY Include:

Browse/Query Data Options

Software Report Database frmQuery

Choose the records you would like to see:

Army Navy Air Force Department of Defense Missile Defense Agency

Total Effort Hours
Between: And:

Total Size (Total SLOC)
Between: And:

MUST include complete data for:
 Effort Hours
 SLOC

DACIMs or Popp Data Set:
Popp/Rosa

Roll-up Level: Reporting Event

ONLY Include: Initial/Final Paired Report

Browse/Query Data Example

Software Report Database frmQuery QueryResult1

Choose the records you would like to see:

Army Navy Air Force Department of Defense Missile Defense Agency

Total Effort Hours
Between: And:

Total Size (Total SLOC)
Between: And:

MUST include complete data for:
 Effort Hours
 SLOC

DACIMs or Popp Data Set:

Roll-up Level:

ONLY Include:

Query Results

Major Program Name	Reporting Event Description	WBS Element Code	WBS Reporting Element	Report Type
Army Program 10	Contract Initial Estimate	1.1.5	WBS Reporting Element 1.1.5	1
Army Program 11	Contract Initial Estimate	1.1.7	WBS Reporting Element 1.1.7	1
Army Program 11	Contract Initial Estimate	1.1.12	WBS Reporting Element 1.1.12	1
Army Program 11	Contract Initial Estimate	1.1.13	WBS Reporting Element 1.1.13	1
Army Program 28	Contract Initial Estimate	1.0	WBS Reporting Element 1.0	1
Army Program 28	Contract Initial Estimate	1.5	WBS Reporting Element 1.5	1
Army Program 22	Contract Final Estimate	1.1.5.5	WBS Reporting Element 1.1.5.5	2
Army Program 22	Contract Final Estimate	1.1.5.7	WBS Reporting Element 1.1.5.7	2
Army Program 22	Contract Final Estimate	1.1.5.13	WBS Reporting Element 1.1.5.13	2
Army Program 32	Contract Initial Estimate	1.1.24	WBS Reporting Element 1.1.24	1
Army Program 32	Contract Final Estimate	1	WBS Reporting Element 1	2
Army Program 33	Contract Final Estimate	1.1.3.1.2	WBS Reporting Element 1.1.3.1.2	2
Army Program 32	Contract Final Estimate	1.1.3.2.4	WBS Reporting Element 1.1.3.2.4	2
Army Program 14	Contract Initial Estimate	1.1.5.2.2	WBS Reporting Element 1.1.5.2.2	1

SumOfSRDREntry_Effort_Prime	Number of Software Requireme	Number of External Interface Re	Peak Staff	New	Modified	Reused	Carryover	Auto	Total	ESLOC
56952	53	15	8	20209	2236				22445	21908.36
54690	3900	840	42	20000	15700	120000	120000	147915	303615	69648.6
59019	235	51	31	48459		149423	149423		197882	88056.095
52305			125	46423	33058	103049	103049		182530	98855.065
55137			125							0
54944	22		8	169023	258288	1683954			2111265	735791.76
54523	843	0	32	230556		1401367			1631923	538856.74

Army Program 2	Contract Initial Estimate	1.0					WBS Reporting Element 1.0		1
Army Program 2	Contract Final Estimate	1.1.11					WBS Reporting Element 1.1.11		2
Army Program 2	Contract Initial Estimate	1.1.2					WBS Reporting Element 1.1.2		1
Army Program 9	Contract Initial Estimate	1.1.5.2					WBS Reporting Element 1.1.5.2		1
Army Program 9	Contract Initial Estimate	1.7.5.2.6					WBS Reporting Element 1.7.5.2.6		1
Army Program 9	Contract Initial Estimate	1.8.5.2.1					WBS Reporting Element 1.8.5.2.1		1
Army Program 9	Contract Initial Estimate	1.8.5.2.1					WBS Reporting Element 1.8.5.2.1		1
Army Program 9	Contract Initial Estimate	1.8.5.2.1					WBS Reporting Element 1.8.5.2.1		1
Army Program 9	Contract Initial Estimate	1.8.5.2.1					WBS Reporting Element 1.8.5.2.1		1
Army Program 9	Contract Initial Estimate	1.9.5.5					WBS Reporting Element 1.9.5.5		1
Army Program 9	Contract Initial Estimate								
Army Program 9	Contract Initial Estimate								
Army Program 9	Contract Initial Estimate								
Army Program 9	Contract Initial Estimate								
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Army Program 9	Contract Initial Estimate								
Army Program 9	Contract Initial Estimate								

Disclaimer: Data has been randomly generated and are not actuals!

“Home Page”

Software Report Database

Software Report Database

Database Status Report

Services to include in status report

Army Navy Air Force
 Department of Defense Missile Defense Agency

These status reported in relation to CSDR Summary Report

Total		Relevant records in database for DACIMS Accepted reports			Future reports expected by DACIMS	In DACIMS, but not matched to CSDR Summary Report
		All	Some	None		
66	Programs	2	3	61	17	
97	Contracts	12	35	50	28	
172	Plans	21	16	182	40	
502	Events	65		437	294	272

Browse SRDRs

Navigation

[Browse/Query Data](#) [Edit/Enter Data](#) [Evaluate Data](#)

Enter/Edit Data

Software Report Database Search SRDRs SRDREntry

SRDR Entry Form ID 1722 Add Record

1046 Find Record Previous Record Next Record Make New Record from Current Add New CSDR

Unclassified Fields in all capital letters exist on 2011 SRDR form. All others are available for legacy forms.

SECURITY CLASSIFICATION CSDR Plan Number

SOFTWARE RESOURCES DATA REPORTING: Initial DEVELOPER REPORT
Due 60 days after contract award and 60 days after start of any release or build.

Section 3.1 Section 3.2 Section 3.3 Section 3.4 Section 3.5 Other Reporting Event Delivery Order Award

Section 3.1 REPORT CONTEXT AND DEVELOPMENT ORGANIZATION

MAJOR PROGRAM a. NAME: Mission Planning System b. PHASE/MILESTONE

REPORTING ORGANIZATION TYPE NAME/ADDRESS a. REPORTING ORGANIZATION:
 PRIME/ASSOCIATE CONTRACTOR
 DIRECT-REPORTING SUBCONTRACTOR
 GOVERNMENT b. DIVISION:

APPROVED PLAN NUMBER: AF-04-C-35 CUSTOMER CONTRACT TYPE

WBS ELEMENT CODE: 1.1.1.2 WBS REPORTING ELEMENT: Framework 1.4 Applications Software

TYPE ACTION a. CONTRACT NO.: FA8720-04-D-0002 c. SOLICITATION NO. e. TASK ORDER / DELIVERY ORDER NO.
b. LATEST MODIFICATION: d. NAME:

PERIOD OF PERFORMANCE APPROPRIATION SUBMISSION NUMBER
a. START DATE: RDTR&E RESUBMISSION NUMBER:
b. END DATE: Procurement Supersedes Number:
 O&M REPORT AS OF: 7/20/2007
DATE PREPARED

Revision Date

NAME (Last, First, Middle Initial) DEPARTMENT TELEPHONE Fax EMAIL ADDRESS

Data Entry Remarks

ID	SRDRID	SRDR
(New)	1722	

Record: 1 of 1

Zero Level Corrections

SRDREntryZc	SRDREntry_IC	SRDR Field
(New)	1722	

Record: 1 of 1

Disclaimer: Data has been randomly generated and are not actuals!

SRDR View – Section 3.1

Software Report Database SRDREntry

SRDR Entry Form ID (New) Add Record

Find Record Previous Record Next Record Make New Record from Current Add New CSDR

Fields in all capital letters exist on 2011 SRDR form. All others are available for legacy forms.

SECURITY CLASSIFICATION CSDR Plan Number

SOFTWARE RESOURCES DATA REPORTING: DEVELOPER REPORT
Due 60 days after contract award and 60 days after start of any release or build.

Reporting Event

Section 3.1 Section 3.2 Section 3.3 Section 3.4 Section 3.5 Other

Section 3.1 REPORT CONTEXT AND DEVELOPMENT ORGANIZATION

MAJOR PROGRAM a. NAME: b. PHASE/MILESTONE

REPORTING ORGANIZATION TYPE
 PRIME/ASSOCIATE CONTRACTOR
 DIRECT-REPORTING SUBCONTRACTOR
 GOVERNMENT

NAME/ADDRESS

APPROVED PLAN NUMBER CUSTOMER

WBS ELEMENT CODE WBS REPORT

TYPE ACTION a. CONTRACT NO.: b. LATEST MODIFICATION:

PERIOD OF PERFORMANCE
a. START DATE: b. END DATE:

APP
R
P
C

Revision

NAME (Last, First, Middle Initial) DEPARTMENT

Data Entry Remarks

ID	SRDRID	SI
(New)		

Record: 1 of 1 No Filter Search

Zero Level Corrections

SRDREntryZt	SRDREntry_IC	SRDR Field	Correction	Remark
(New)				

Record: 1 of 1 No Filter Search

Record: 4112 of 4112 Unfiltered Search

CSDRs Close Form

Bolded fields are required Add CSDR

CSDR Prefix (Contract)

Add New Contract and CSDR Prefix Refresh CSDR Prefixes

Suffix w/o revision

Revision Number *If no revision number, add blank entry.*

CSDRRevisic	RevisionNumber	CSDRFX
(New)		

Record: 1 of 1 No Filter Search

CSDRFX (New)

“Home Page”

Software Report Database

Software Report Database

Database Status Report

Services to include in status report

Army Navy Air Force
 Department of Defense Missile Defense Agency

These status reported in relation to CSDR Summary Report

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Browse SRDRs

Navigation

[Browse/Query Data](#) [Edit/Enter Data](#) [Evaluate Data](#)

Evaluate Data

Software Report Database **New Evaluation Form**

Reporting Event Evaluation

Reporting Event Under Evaluation:

Program	<input type="text"/>
CSDR Plan Number	<input type="text"/>
Reporting Event Name	<input type="text"/>
Reporting Event ID	<input type="text"/>
Report Type	<input type="text"/>
File Location	<input type="text"/>

Evaluator

Evaluation Status Data Dictionary Exists?

Scope

Rollup

Matching Reporting Event

[Go to Original File](#)

Evaluate Data - Example

Software Report Database **New Evaluation Form**

Reporting Event Evaluation

Reporting Event Under Evaluation:

Program	C-130 Aircraft Avionics Modernization Program
CSDR Plan Number	AF-01-C-C1-(R1)
Reporting Event Name	Contract Award -Initial Report
Reporting Event ID	1756
Report Type	1
File Location	

Go to Original File

Evaluator: Remie Arnold

Evaluation Status: Completed Data Dictionary Exists?

Scope: Represents entire SW effort for this CSDR Plan

Rollup: Yes (If confirmed)

Matching Reporting Event: Core Complete Final Report

Evaluate Data - Example

Software Report Database | frmQuery | QueryResult

Choose the records you would like to see:

Army
 Navy
 Air Force
 Department of Defense
 Missile Defense Agency

Total Effort Hours
 Between: And:

Total Size (Total SLOC)
 Between: And:

MUST include complete data for:
 Effort Hours
 SLOC

DACIMs or Popp Data Set:

Roll-up Level:

ONLY Include:

Software Report Database | frmQuery | QueryResult

Major Program Name	Type Action: Contract No.	Approved Plan No.	Reporting Event Description	Report Type
C-130 Aircraft Avionics Modernization Program	F33657-01-C-0047	AF-01-C-C1-(R1)	Contract Award -Initial Report	1
C-130 Aircraft Avionics Modernization Program	F33657-01-C-0047	AF-01-C-C1-(R1)	Core Complete Final Report	2

Questions?