



DoD EVM POLICY

IPMR Update and Industry Reviewer Role

Mr. John McGregor
PARCA Deputy Director for EVM

John McGahan
Jen Horner





- ▶ Today's List
 - A Few Thoughts from PARCA EVM
 - EVM-CR Industry Reviewer Role
 - IPMR Update





**Director, Performance Assessments and Root Cause Analyses
(PARCA)
*Mr. Gary R. Bliss***

**OSD EVM
Policy Holder**

**Nunn
McCurdy
Breach
Analysis**

**Program
Assessments
and DAES
Selection**

Analysis Team

Mr. John McGregor
**Deputy Director for
Earned Value
Management**

Mr. Dave Cadman
**Deputy Director for
Root Cause Analyses**

Dr. Peter Eggan
**Deputy Director for
Performance
Assessments**

Dr. Philip Anton
**Deputy Director for
Acquisition Policy
Analysis Center**

*PARCA was brought into existence via the reforms in the
Weapon Systems Acquisition Reform Act (WSARA) of 2009*





PARCA EVM Division

The EVM Division of PARCA is responsible and accountable for EVM performance, oversight, and governance across the Department

Policy and Guidance

Develop, publish, and maintain DOD policy and guidance on EVM

EVM Competency

Serve as DoD EVM Functional Lead to influence EVM competency requirements; Coordinate with Defense Acquisition University (DAU)

Program Interface

Review and approve EVM data requirements for MDAP programs in coordination with Services and Defense Agencies; Resolve interpretive differences in EVM policy, practice, and requirements

EVM Central Repository

Responsible for the Earned Value Mgt Central Repository (CR) and maintenance of CR data alignment with the Acquisition Visibility framework; Report EVM data compliance, integrity, and quality to AT&L

Communications and Outreach

Maintain communications with Government and Industry on EVM policy





A Few Thoughts From PARCA

Ideas, concepts, and recent issues





EVM-CR

Discussion of new EVM Central Repository Industry Reviewer Role





Industry Reviewer

- ▶ The intent of this role is to provide industry corporate focal points to reporting compliance and data quality reports as well as submissions delivered to the EVM-CR by data managers within the organization.

- ▶ The following document provides step-by-step illustrations of access available for Industry Reviewers.
 - Obtaining an ECA Certificate
 - Creating a CADE Portal Account
 - Access Submissions, Program Status and Data Quality Reports





Certificate Requirements

- ▶ All users are required to have a valid CAC (Common Access Card) or ECA (External Certificate Authority) Certificate in order to establish an account on the CADE Portal

We also accept certificates issued by the following industry partners:

- | | | |
|--------------------|-----------------------|-------------------|
| • Boeing | • Raytheon | • Lockheed Martin |
| • Northrop Grumman | • Booz Allen Hamilton | |

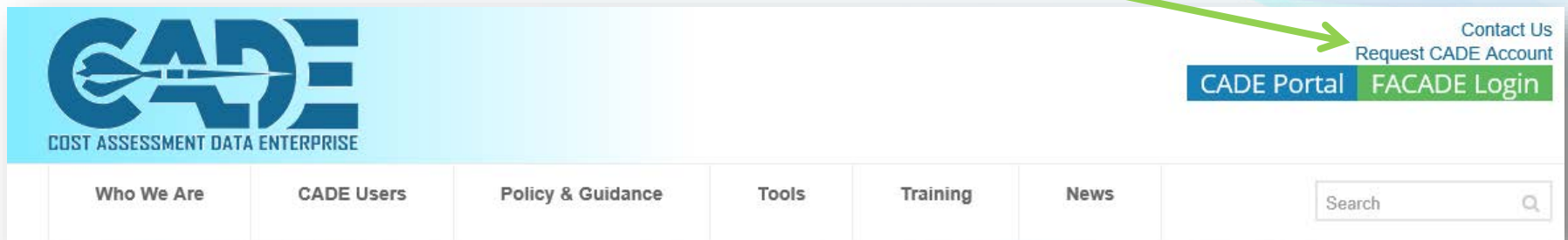
- ▶ The type of ECA Certificate required is a Medium Token Assurance Identity Certificate.
- ▶ To locate approved certificate vendors, visit the ECA PKO Program Website at <http://iase.disa.mil/pki/eca/Pages/index.aspx>





Creating An Account

- ▶ To request access to the CADE Portal, first go to <http://cade.osd.mil/> and choose the option to **Request CADE Account** as shown below:



Please contact us at CADESsupport@Tecolote.com if you already have a CADE Portal account and require the EVM Submitter role added to your user profile.





Accessing the EVM-CR Website

Once access is approved, log in to the CADE Portal and click the EVM-CR application link to access the EVM Central Repository

The screenshot shows the CADE Portal website. At the top left is the Department of Defense logo. The page title is "CADE Portal". On the right side of the header, it says "CAPE DCARC". Below the header is a navigation bar with links: "PORTAL HOME", "ADMIN", "REPORTS", "SEARCH", and "MY ACCOUNT". The main content area is titled "CADE Portal Home". There are two main sections: "Submit & Review Applications" and "News Items". Under "Submit & Review Applications", there is a link for "EVM-CR" with a blue icon. Under "News Items", there is a section titled "CADE & PARCA HELP DESK" with a blue speech bubble icon. Below this, it says "**Important**" and "New contact information for". The text continues: "We have recently made a few changes to our telephone number and a single email address." At the bottom of the news item, it lists the phone number "(253) 564-1979 x-1" and the email address "CADESupport@Teacolote.com".





EVM-CR Industry Role

MY CONTRACTS





My Contracts

The my contracts page will provide a comprehensive listing of all contracts covered by your NDA letter. You can use the optional filters to find your desired contract

My Contracts

Contract Filters

Program Contract Number

Contractor Commodity Group

Only Currently Reporting

Service: AIR FORCE
 ARMY
 NAVY
 DOD
 MDA

ACAT: ID
 IC
 IAM
 IAC
 II
 III

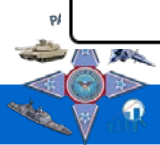
DAES Group: A
 B
 C
 NA

Hide Options Clear Filters Apply Filters

N00000-01-A0001

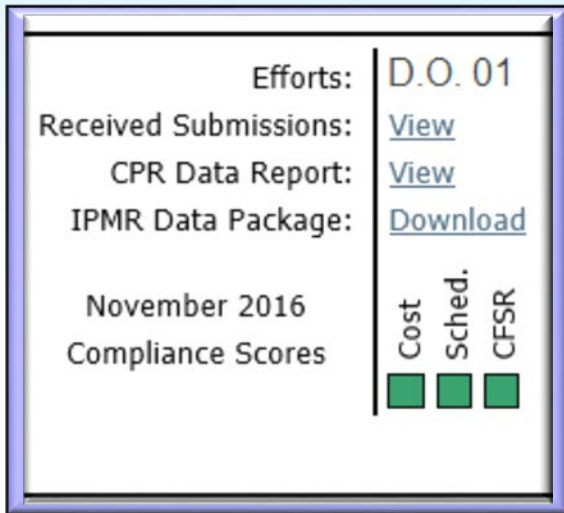
Program: ABC Program
 Contract Number: N00000-01-A-0001
 Contractor - Division: Spacely Sprockets, Rocket Systems
 Service: DOD
 Commodity Group: Rocket
 ACAT: IA
 DAES Group: A

Efforts:	D.O. 01	D.O. 02	D.O. 03	D.O. 04
Received Submissions:	View	View	View	View
CPR Data Report:	View	View	View	View
IPMR Data Package:	Download	Not Available	Download	Not Available
November 2016 Compliance Scores	Cost: <input type="checkbox"/> Sched.: <input type="checkbox"/> CFSR: <input type="checkbox"/>	Cost: <input checked="" type="checkbox"/> Sched.: <input checked="" type="checkbox"/> CFSR: <input checked="" type="checkbox"/>	Cost: <input checked="" type="checkbox"/> Sched.: <input checked="" type="checkbox"/> CFSR: <input checked="" type="checkbox"/>	Cost: <input type="checkbox"/> Sched.: <input checked="" type="checkbox"/> CFSR: <input checked="" type="checkbox"/>





My Contracts; Navigation



- **Received Submissions:** access a list of all submissions delivered for a given contract.
- **CPR Data Report:** access a grid view of electronic cost performance data extracts and optionally view the Performance Over Time Chart.
- **IPMR Data Package:** Download a zipped collection of cost performance and schedule files as well as program milestones.
- **Compliance Scores:** Provides consolidated reporting compliance ratings for Cost performance, Schedule and CFRS deliveries for the month displayed.

NOTE: The month displayed coincides with the report date, not when the reports were delivered to the EVM-CR.





Received Submissions

To access your desired submission, click on the submission ID number

Effort: Report Categories: Latest Submission Status:



<u>Submission ID</u>	<u>Report Category(s)</u>	<u>Effort</u>	<u>Contains Admin Files</u>	<u>Report Date</u>	<u>Submission Date</u>	<u>Status Date</u>	<u>Status</u>
66343		Edit test 1	No			11/17/2016	Submitting
66303	Electronic Cost	Edit test 1	No	11/15/2016		11/16/2016	Submitting
66302	Electronic Cost	Edit test 1	No	10/2/2016		11/16/2016	Submitting
66236	Human Readable Cost	Edit test 1	No	9/30/2016		11/14/2016	Submitting

STATUS DEFINITIONS

Submitting: Not yet delivered or returned to submitter for correction

Pending: Submitted and awaiting program office review

Published: Accepted by the program office or auto-published by the system after the 10 day review window.

Rejected: Program office has rejected submission. Likely required to resubmit. Coordination with program office needed.





Submission Detail

Click file name to download specific files. Click View Submission CPR to view data extracts from the Electronic Files.

Submission Detail

PROGRAM	CONTRACT	Submission
Program Name: ABC Program PNO: 123 Service: DOD Military Handbook: Weapons System:	Contract Number: N000001-01-A-0001 Reporting Contractor: Spacely Sprockets Division: Rocket Systems Contractor Location: Cage Code:	Submission ID: 12345 Effort: D.O. 01 Report Types: Electronic Cost, Human Readable Cost, Native Schedule Submission Status: Published

SUBMISSION INFORMATION

Report Date: 9/25/2016	Year: 2016	Month: 9	Is Draft: No
Submission Date: 1/11/2017	Submitter Name: Jen Horner		
Status Set Date: 1/11/2017	Status Set By: John Smith		

Files Reviewers Comments

Submission Files

Cost Files

File Name	File Type	Contains Format 5 Data	Component	File Comment
My Electronic Cost file.XML	Electronic Cost			
Formats 1-5.pdf	Human Readable Cost	Yes		

[View Submission CPRs](#)

Schedule Files

File Name	File Type	Component	File Comment
Native Schedule.mpp	Native Schedule		
Another Schedule.mpp	Native Schedule		

Format 7 Files

There are no files of this type uploaded to this submission.

CFSR Files

There are no files of this type uploaded to this submission.

Other Files

File Name	File Comment
Signature Page.pdf	supplemental information

POC INFORMATION

Name: Jen Horner
Phone: 253-564-1979
Fax:
Email: jhomer@tecolote.com
Submitter Comment:

View Submission CPRs





File Download and Data Extract

Click file name to download specific files. Click View Submission CPR to **view data extracts** from the Electronic Cost Performance Files as well as **Performance Over Time Chart** and **Data Quality Validation Report**

Submission Detail

PROGRAM	CONTRACT	Submission
Program Name: ABC Program PNO: 123 Service: DOD Military Handbook: Weapons System:	Contract Number: N000001-01-A-0001 Reporting Contractor: Spacely Sprockets Division: Rocket Systems Contractor Location: Cage Code:	Submission ID: 12345 Effort: D.O. 01 Report Types: Electronic Cost, Human Readable Cost, Native Schedule Submission Status: Published

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Submission Files

Cost Files

File Name	File Type	Contains Format 5 Data	Component	File Comment
My Electronic Cost file.XML	Electronic Cost			
Formats 1-5.pdf	Human Readable Cost	Yes		

[View Submission CPRs](#)

Schedule Files

File Name	File Type	Component	File Comment
<input type="checkbox"/> Native Schedule.mpp	Native Schedule		
<input type="checkbox"/> Another Schedule.mpp	Native Schedule		

Format 7 Files

There are no files of this type uploaded to this submission.

CFSR Files

There are no files of this type uploaded to this submission.

Other Files

File Name	File Comment
Signature Page.pdf	supplemental information

View Submission CPRs

POC INFORMATION

Name: Jen Horner
Phone: 253-564-1979
Fax:
Email: jhorner@tecolote.com
Submitter Comment:





Data Extracts and Charts

Current Period

Report From: 11/1/2016 To: 11/30/2016

Source Data Type

Source: XML_winsight

1

1. Download Data Quality Validation Report

2

2. Download Performance Over Time Chart

Report Information

Program Name	Prod	Contract Number	Contract Type
ABC Program		N0001-01-A-0001	FPIF&CPIF
Contractor	Maximum WBS Level	CPR ID	Final CPR
Spacely Sprockets	7	15732	Yes <input type="button" value="Remove Final CPR"/>

CPR Header

3

3. Cells contributing to Data Quality issues will be colored in **RED** as shown here.

Quantity	Share Above	Share Below	Original NCC	NCC
			\$1,000,000	\$1,000,000
CBB		AUW	Contract Ceiling	Estimated Ceiling
\$1,000,000	\$1,000,000		\$1,300,000	\$1,300,000
Best Case	Worst Case EAC	Most Likely EAC	Target Price	Estimated Price
\$1,100,000	\$1,100,000	\$1,100,000	\$1,100,000	\$1,300,000

Variances

At Complete	Cumulative Schedule	Cumulative Cost	Total Schedule	Total Cost
-\$50,000 ^	-\$70,000 ^	-\$5,000 ^	-\$5,000 ^	-\$5,000 ^

CPR Dates

Contract Start Date	Contract Definition Date	Planned Completion Date	Contract Completion Date	Estimated Completion Date
4/30/2015	11/25/2015	5/24/2019	5/24/2019	6/17/2019

Performance Measurement Baseline (PMB)

3

4. Data Quality Validation Issues will be displayed in **RED** at the bottom of the page.

MR	BAC	EAC	BCWS	BCWP	ACWP	CPI	SPI
\$5,000	\$150,000	\$140,000	\$330,000	\$330,000	\$230,000	0.964 ^	0.671 ^

Over Target Baseline (OTB)

OTB Date	BAC Adjustment	SV Adjustment	CV Adjustment	MR Adjustment

Calculated Fields

DAMIR Validation Failures
There are no DAMIR validation failures in this submission.

Data Validation Warnings
Management Reserve must equal TAB - PMB BAC

4





Data Quality Validation Report

The **Data Quality Validation Report** displays a list of all data quality checks that are done on the Electronic Cost Performance file when uploaded to the EVM-CR.

- Indication of Pass or Fail for each check.
- Optionally download report to Excel

Submission Data Quality Validation Reports

Program Name: ABC Program Report To Date: 11/30/2016

Contract Number: N0001-01-A-0001 CPR Id: 15732

Effort Name: Production

Download Report



Data Validation Report

Description	Source	Passed	Failed
Share Above (Contractor Share) between 0 and 100	DAMIR	X	
Share Below (Contractor Share) between 0 and 100	DAMIR	X	
Report Period From is required	DAMIR	X	
Report Period From must be on or before Report Period To	DAMIR	X	
Completion Date must be on or After Start Date	DAMIR	X	
Estimated Completion Date Must be on or After Start Date	DAMIR	X	
Planned (Budget) Completion Date must be on or after Start Date	DAMIR	X	
OTB Date must be on or before Report Period To (or report created date)	DAMIR	X	
Management Reserve must be greater than or equal to 0	DAMIR	X	
Quantity must be greater than or equal to 0	DAMIR	X	
PMB BAC must be less than or equal to TAB	DAMIR	X	
Contract Ceiling price must be greater than or equal to Target Price	DAMIR	X	
Estimated Contract Ceiling must be greater than or equal to Estimated Price	DAMIR	X	
Target Price must be greater than or equal to NCC	DAMIR	X	
Best Case EAC must be less than or equal to Most Likely EAC	DAMIR	X	
Worst Case EAC must be greater than or equal to Most Likely EAC	DAMIR	X	
Best Case EAC must be less than or equal to Worst Case EAC	DAMIR	X	
PMB Cumulative BCWS must be less than or equal to PMB BAC	DAMIR	X	
PMB Cumulative BCWS must be less than or equal to TAB	DAMIR	X	
PMB Cumulative BCWP must be less than or equal to PMB BAC	DAMIR	X	
PMB Cumulative BCWP must be less than or equal to TAB	DAMIR	X	
Authorized Unpriced Work must equal CBB - NCC	DAMIR	X	
Management Reserve must equal TAB - PMB BAC	DAMIR		X
PMB Cumulative BCWS must be greater than or equal to 0	DAMIR	X	

*** This report is also available to Data Managers during the submit process.**





Performance Over Time Chart

The Performance Over Time Chart displays PMB values for all reports received on an effort.

Performance Over Time Chart

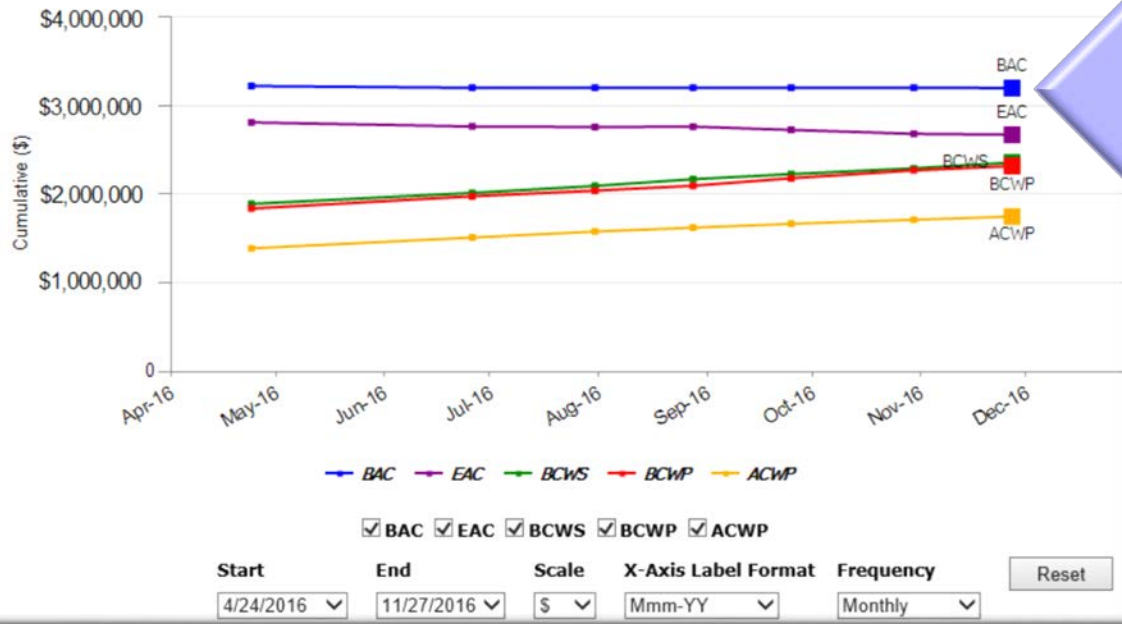
CPR Information

Program Name: ABCProgram

Contract Number: N0001-01-A-0001

Effort Name: Production

Performance Over Time - PMB



Large squares indicate PMB values for selected report.

* This report is also available to Data Managers during the submit process.





CPR Data Report

Efforts: D.O. 01

Received Submissions: [View](#)

CPR Data Report: [View](#)

IPMR Data Package: [Download](#)

November 2016 Compliance Scores

Cost Sched. CFSR



The **CPR Data Report** displays a grid view of Level 1 data extracted from the electronic cost performance files delivered for the selected effort.

Optionally:

- Download report to Excel
- Report a Data Quality Issue
- View the Performance Over Time Chart

Program: ABC Program Contract: N0001-01-A-0001 Effort: Production

Month	Year	Report Date	Report From	Contract Start Date	Contract Definitization Date	Completion Date	Estimated Completion Date	Planned Completion Date	Quantity	Share Above	Share Below	Original NCC	NCC	Most Likely EAC	Best Case EAC	Worst Case EAC
Apr	2014	4/27/2014		3/18/2014	3/18/2014				1			1,000,000	1,000,000			
May	2014	5/25/2014	4/28/2014	3/18/2014	3/18/2014	8/30/2017	8/25/2017	12/31/2017	1	50	50	1,000,000	1,000,000	1,200,000	1,100,000	1,500,000
Jun	2014	6/29/2014	5/26/2014	3/18/2014	3/18/2014	8/30/2017	8/25/2017	12/31/2017	1	50	50	1,000,000	1,000,000	1,200,000	1,100,000	1,500,000
Jul	2014	7/27/2014	6/30/2014	3/18/2014	3/18/2014	8/30/2017	8/25/2017	12/31/2017	1	50	50	1,000,000	1,000,000	1,200,000	1,100,000	1,500,000
Aug	2014	8/31/2014	7/28/2014	3/18/2014	3/18/2014	8/30/2017	8/25/2017	12/31/2017	1			1,000,000	1,000,000	1,200,000	1,100,000	1,500,000
Sep	2014	9/28/2014	9/1/2014	3/18/2014	3/18/2014	8/30/2017	8/25/2017	12/31/2017	1	50	50	1,000,000	1,000,000	1,200,000	1,100,000	1,500,000
Oct	2014	10/26/2014	9/29/2014	3/18/2014	3/18/2014	8/30/2017	8/25/2017	12/31/2017	1	50	50	1,000,000	1,000,000	1,200,000	1,100,000	1,500,000
Nov	2014	11/30/2014	10/26/2014	3/18/2014	3/18/2014	8/30/2017	8/25/2017	12/31/2017	1	50	50	1,000,000	1,000,000	1,200,000	1,100,000	1,500,000
Dec	2014	12/28/2014	11/30/2014	3/18/2014	3/18/2014	8/30/2017	8/25/2017	12/31/2017	1	50	50	1,000,000	1,000,000	1,200,000	1,100,000	1,500,000
Jan	2015	1/25/2015	12/28/2014	3/18/2014	3/18/2014	8/30/2017	8/25/2017	12/31/2017	1	50	50	1,000,000	1,000,000	1,200,000	1,100,000	1,500,000
Feb	2015	2/22/2015	1/25/2015	3/18/2014	3/18/2014	8/30/2017	8/25/2017	12/31/2017	1	50	50	1,000,000	1,000,000	1,200,000	1,100,000	1,500,000
Mar	2015	3/29/2015	2/22/2015	3/18/2014	3/18/2014	8/30/2017	8/25/2017	12/31/2017	1	50	50	1,000,000	1,000,000	1,200,000	1,100,000	1,500,000
Apr	2015	4/26/2015	3/29/2015	3/18/2014	3/18/2014	8/30/2017	8/25/2017	12/31/2017	1	50	50	1,000,000	1,000,000	1,200,000	1,100,000	1,500,000





IPMR Data Package

Efforts:	D.O. 01
Received Submissions:	View
CPR Data Report:	View
IPMR Data Package:	Download
November 2016 Compliance Scores	
	Cost
	Sched.
	CFSR
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>



The IPMR Data Package is a zip file which contains:

- UN/CEFACT file for each electronic cost performance data period
- Most recent Format 6
- Most recent Format 7
- Program Milestones



* Download IPMR Cost File Viewer from <http://cade.osd.mil/tools/evm-tools>





EVM-CR Industry Role

EVM-CR COMPLIANCE REPORTS





Program Status Report

The **Program Status Report** displays reporting compliance information for the corporation associated with each individual industry reviewer.

Please choose the last time period for reporting (reports are given in a 4 month span).

Month: Year:

Enable all scoring categories:

Only display as late, when late by more than this number of days: Show rows with **Missing** scores only

Select by

Service
 Program
 MilHandbook
 Contractor
 DAES Group
 ACAT

ON TIME DELIVERY		COMPLIANCE	
	On Time		Compliant
	Late		Not UN/CEFACT (if required)
	Rejected		Missing Total/Final
	In Submitting		No Data
	Expected this Period	UN/CEFACT	
	Missing		Required
	Not Required this Period		Not Required/Unclear
	Never Required		
	No Data		

ON TIME DELIVERY		COMPLIANCE	
Applicable to:		Applicable to:	
- Electronic Cost	- Human Readable Cost	- Electronic Cost	- Format 6
- Format 6	- Native Schedule	- Format 7	
- CFSR			
- Format 7			

SPACELY SPROCKETS			Sep-16	Oct-16																										
Program	Contract	Effort	UN/CEFACT req	Electronic: Cost on Time	Electronic: Cost Compliance	Human Readable: Cost on Time	Format 6 on Time	Format 6 Compliance	Native Schedule on Time	CFSR on Time	Format 7 on Time	Format 7 Compliance	Electronic: Cost on Time	Electronic: Cost Compliance	Human Readable: Cost on Time	Format 6 on Time	Format 6 Compliance	Native Schedule on Time	CFSR on Time	Format 7 on Time	Format 7 Compliance	Electronic: Cost on Time	Electronic: Cost Compliance	Human Readable: Cost on Time	Format 6 on Time	Format 6 Compliance	Native Schedule on Time	CFSR on Time	Format 7 on Time	Format 7 Compliance
ABC PROGRAM	N0001-01-A-0001	DEV																												
ABC PROGRAM	N0001-01-A-0001	PROD																												





EVM-CR Industry Role

COMMON ISSUES





Industry Reviewer

- ▶ Yellow rating for Electronic Cost Performance Compliance when UN/CEFACT file is delivered
 - The UN/CEFACT file was not tagged appropriately upon upload as both TOTAL and FINAL
- ▶ Red compliance ratings for effort that has not yet started
 - System administrator will need to update the start date for the effort
- ▶ Incorrect Report Date provided
 - This causes the report to be credited to the wrong month on the Program Status Report. System administrator will need to correct the report date
- ▶ Format 6 vs. Native Schedule
 - The format 6 file is the considered to be XML version of the schedule. Native Schedule is the human readable version of your schedule

Contact System Administrator:
CADESupport@Tecolote.com





Reporting Requirements

- ▶ The reporting requirements for a given effort are established based on the contract CDRL (DD-1423) documents for IPMR and CFSR.
- ▶ To view the requirements for one of your contracts, go to Contract Detail (by clicking on the contract number on My Contracts page) and select the Reporting Stream Page

Contract Detail | [Manage Efforts](#) | [Program Status Report](#) | [Program Administration](#) | [Mass Edit Submissions](#) | [Email Lead Reviewers](#)

Program: ABCProgram

Contract Number: N0000-00-N-0000 Contract Type: Unknown Service: DOD

Contract Summary | Data Views | Reviewers & Submitters | Received Submissions | Contract Attachments | **Reporting Stream** | Comm

Contract Summary

Effort	Effort Number	Start Date	End Date
Prod		1/1/2013	8/13/2019

Reporting Stream	Effective Date
335	2013-03-12

Cost

- Human Readable
- ElectronicCost
- UNCEFACT
- Format 1
- Format 2
- Format 3
- Format 4
- Format 5

Frequency: Monthly
Submit Days: 30, Calendar Day

History
Frequency: Annual
Submit Days: 30, Calendar Day

Schedule

- Native Schedule
- Electronic Schedule

Frequency: Monthly
Submit Days: 30, Calendar Day

CFSR

- Required

Frequency: Quarterly
Submit Days: 30, Working Day

Format 7

- Required

Frequency: Annual
Submit Days: 30, Not Set

Reporting Stream ID: 335





EVM-CR Industry Role

UPLOAD HOME





Upload Home: New Submission

- ▶ Data Managers with assigned contracts will access Upload Home to begin a new submission or continue existing submissions within the EVM-CR

Upload Home
 (***) EVM Data Only, No CSDR Data (***)

Submit | Task Submission Status | Assigned Contracts | Submission History | Contract Request

Continue Existing Submissions

Program Name	Submission ID	Contract Number	Report Category(s)	Contract Task	Contains Admin Files	Year	Month	Report Date		
Example	24416	X0000-15-A-0001	Electronic Cost, Human Readable Cost, Format 6	Task 1	No	2015	3	3/27/2015	Continue	Cancel
Example	24527	X0000-15-A-0001	History	Task 1	No	2006	11	11/26/2006	Continue	Cancel
Example	24542	X0000-15-A-0001	Human Readable Cost	Task 1	No	2015	8		Continue	Cancel

Start New Submission on Task

Program	Contract	Task	
Example	X0000-15-A-0001	Task 1	Start Submission

Click to start a new submission

Click to continue existing submission





Upload Home: Assigned Contracts

- ▶ Data Managers can view a list of contracts where they have been assigned as a Submitter from the Assigned Contracts tab

Upload Home
(*** EVM Data Only, No CSDR Data ***)

Submit Task Submission Status **Assigned Contracts** Submission History Contract Request

Currently Assigned Contracts

<u>Prime Contract Number</u>	<u>Contract Task</u>	<u>Program Name</u>	<u>Program Manager</u>	<u>Contractor</u>	<u>Contractor Division</u>
N0000-00-N-0000	Multiple (4)	Example	Unknown	Prime: TBD Sub:	Prime: N/A Sub:

Click to access Contract Detail





Upload Home: Submission History

- ▶ Data Managers can view a history of all submissions delivered on their assigned contracts from the Submission History tab

Upload Home
(*** EVM Data Only, No CSDR Data ***)

Submit | Task Submission Status | Assigned Contracts | **Submission History** | Contract Request

Search Submission History

Submission ID: Contract Number: Report Category:

Submission Status: Program:

Report Date After: Report Date Before:

Search Submissions | Reset Filters

[Hide Search History Criteria](#)

Submission ID	Report Category(s)	Report Date	Submission Date	Prime Contract Number	Program Name	Last Status Date	Last Status Set By	Status
24122	IPMR Schedule	10/31/2013	9/11/2014	N0000-C4-0001	Example	9/22/2014	System	Published
24029	IPMR Cost, Formatted Cost	11/27/2011		N0000-C4-0001	Example	7/28/2014	Jen Horner	Submitting
24014	History	11/27/2011	7/26/2014	N0000-C4-0001	Example	8/11/2014	System	Published
23690	IPMR Cost	8/25/2013		N0000-C4-0001	Example	4/4/2014	David Augsburger	Submitting
22055	Native Schedule	11/25/2012	12/12/2012	N0000-C4-0001	Example	12/23/2012	System	Published

Click to access Submission Detail

Submission Status





Additional Information

To schedule EVM-CR training for your group, or for EVM-CR related questions, contact:

Jen Horner

PARCA EVM-CR Deputy Lead

jhorner@tecolote.com

(253)564-1979



IPMR Update

Status and Future of the IPMR Update Initiative





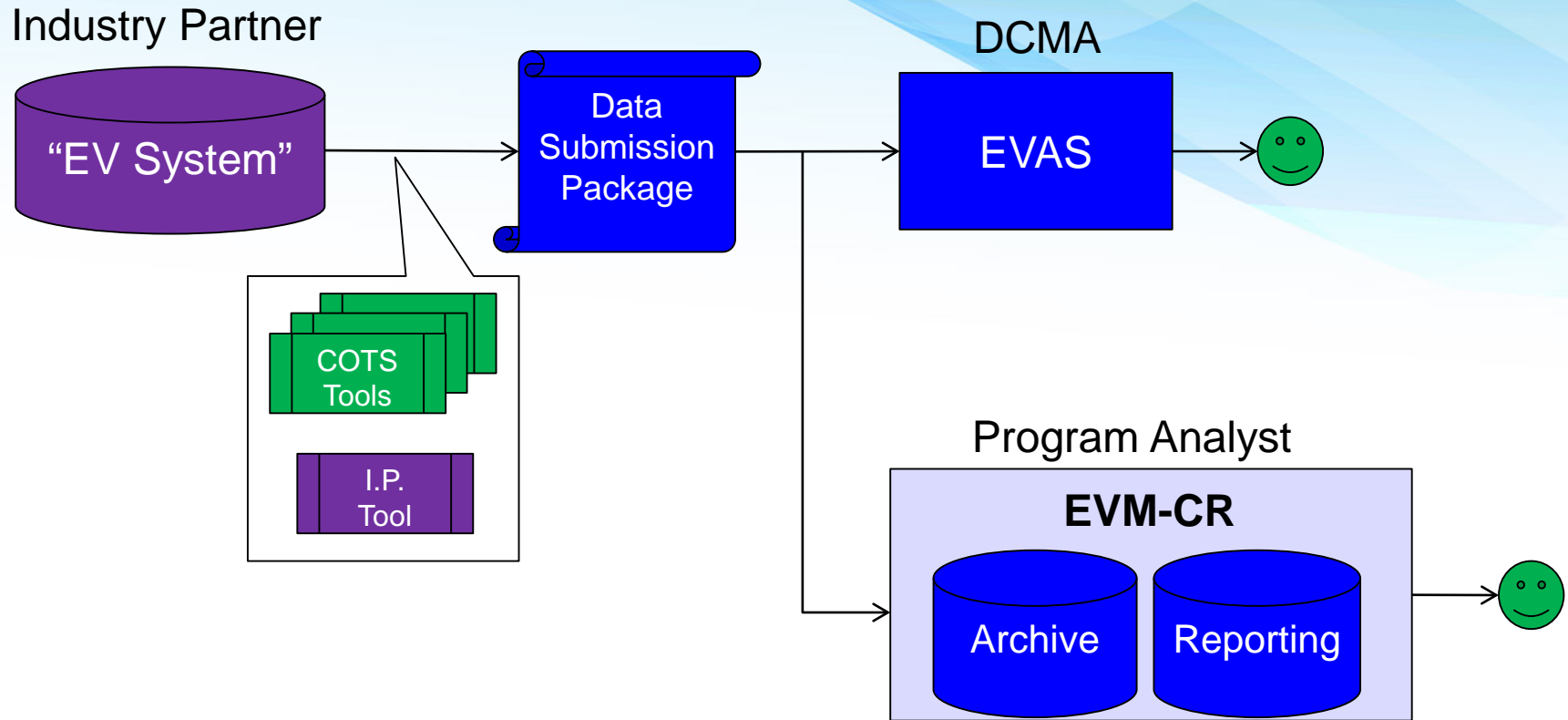
Purpose Of Effort

- ▶ Investigate the benefits of removing legacy Format requirements for EVM cost performance data submission
 - Explore concept of data-driven IPMR construct
 - Reduce duplication of data as required in the different formats
 - Improve data quality, visibility, and utility
 - Improve traceability between cost and schedule data
 - Support DCMA needs as part of automated surveillance activities



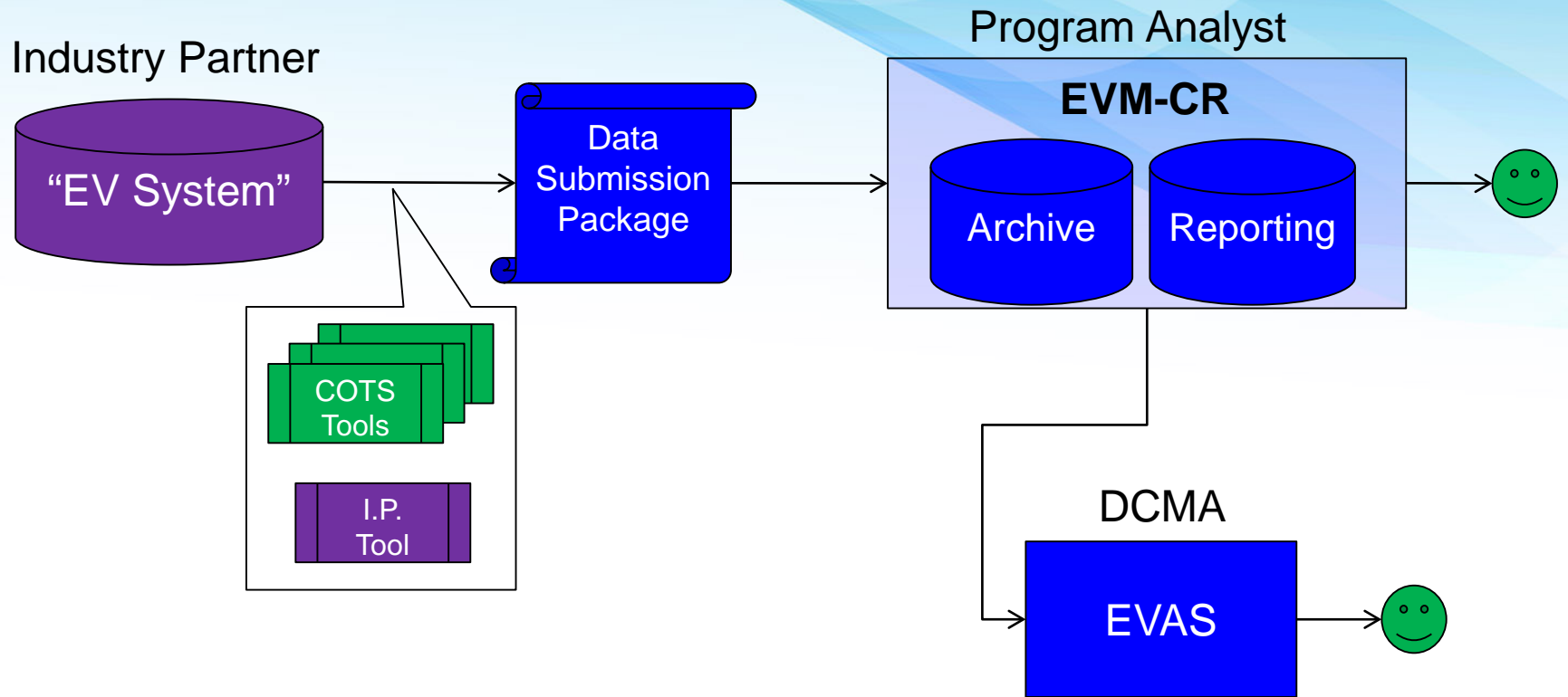


End-State Concept of Operations Goal





End-State Concept of Operations (Potential)





IPMR Update

DRAFT DATA EXCHANGE STANDARD OVERVIEW





IPMR₂ Draft Data Exchange Standard

- ▶ PARCA assessed different technologies and approaches for data exchange standards for next generation IPMR
 - Modeled EV-Cost Performance data requirements as a collection of normalized data tables to assess fit to exchange technology
 - Trade-space options: UNCEFACT-XML, Other XML, JSON, etc.
 - Coordinated with NDIA, DCMA, and PARCA technical team to evaluate technology options
- ▶ Data Standards Concept: Zipped collection of simple JSON files that encode IPMR cost performance tables from data model
- ▶ For completeness and consistency the same approach will be used to update the IPMR Schedule data standard





Draft IPMR2-Cost Performance Data Model

Concept data model tables needed to extend the IPMR Format 7

- Discussed / coordinated with NDIA board and DCMA
- Transformed into data tables for JSON encoding (e.g., represented as separate worksheets in an Excel workbook)
- Prepared draft File Format Specification and Data Exchange Instructions





Draft Data Model and Exchange Standard

Data Tables

	A
1	IPMR Format 7 Template
2	Version 1.0-alpha
3	
4	Worksheets:
5	Report Configuration
6	Report Metadata
7	Summary Costs (Dollars)
8	Performing Entities
9	Work Breakdown Structure
10	Org. Breakdown Structure
11	Control Accounts
12	Work Packages
13	Reporting Calendar
14	BCWS (To Date)
15	BCWP (To Date)
16	ACWP (To Date)
17	BCWS (To Complete)
18	EST (To Complete)
19	Reprogramming Adjustments

IPMR Format 7 Template Info

Exchange Standard

File Format

The file format for an IPMR Format 7 is a ZIP file containing multiple text files. One text file conveys type and version information. All the other text files convey data represented in JSON. Each JSON file corresponds to a single data table.

ZIP File Entries		
	Name	Table
	FileType.txt	[N/A]
	ReportConfiguration.json	ReportConfiguration
	ReportMetadata.json	ReportMetadata
	SummaryCosts.json	SummaryCosts
	PerformingEntities.json	PerformingEntities
	WBS.json	WBS
	OBS.json	OBS
	ControlAccounts.json	ControlAccounts
	WorkPackages.json	WorkPackages
	ReportingCalendar.json	ReportingCalendar
	BCWS_ToDate.json	BCWS_ToDate
	BCWP_ToDate.json	BCWP_ToDate
	ACWP_ToDate.json	ACWP_ToDate
	BCWS_ToComplete.json	BCWS_ToComplete
	EST_ToComplete.json	EST_ToComplete
	ReprogrammingAdjustments.json	ReprogrammingAdjustments

Conventions

Text File Encoding

Unless otherwise noted, all text files must be encoded in UTF-8.

Text Normalization

Unless otherwise noted, interpretation of text fields must include the following implicit normalization: whitespace must be removed from the beginning and end of the text, each whitespace character must be replaced by a space character (U+0020), and each sequence of space characters must be replaced by a single character.





Draft Data Model and Exchange Standard (Examples)

Data Tables

	A	B
1	Report Metadata	
2	Field	Value
3	Report:	
4	Security Classification	UNCLASSIFIED
5	Proprietary Statement	
6	Submission Date	2/15/2017
7	Report Period ID	13
8	Contractor:	
9	Contractor Name	Rambo Systems
10	Contractor ID Code Type	CAGE
11	Contractor ID Code	7K837
12	Contractor Address - Street	
13	Contractor Address - City	Kalamazoo
14	Contractor Address - State	MI
15	Contractor Address - Country	
16	Contractor Address - Zip Code	49007
17	Performing Entity ID	7K837
18	Point of Contact:	
19	POC Name	Simpson, Lisa R
20	POC Title	Program Manager
21	POC Telephone	
22	POC Fax	
23	POC Email	
24	Contract:	
25	Contract Name	Awesome Weapon Development(Test)
26	Contract Number	N0000-00-N-0000
27	Contract Type	CPFF

	A	B
1	Report Metadata	
2	Field	Value
28	Program:	
29	Program Name	DeathStar
30	Program Phase	RDTE
31	EVMS Acceptance Date	
32	Contract Data (F1):	
33	Quantity - RDTE	
34	Quantity - PROD	
35	Negotiated Cost	
36	Authorized Unpriced Work	
37	Target Profit or Fee	
38	Target Profit or Fee (percent)	
39	Target Price	
40	Estimated Price	
41	Contract Ceiling	
42	Estimated Contract Ceiling	
43	Last OTB Date	
44	Management EAC (F1):	
45	EAC - Best Case	
46	EAC - Worst Case	
47	EAC - Most Likely	
48	Contract Data (F3):	
49	Original Negotiated Cost	
50	Negotiated Contract Changes	
51	Total Allocated Budget	
52	Contract Start Date	
53	Contract Definitization Date	
54	Planned Completion Date	
55	Contract Completion Date	
56	Estimated Completion Date	
57		

ReportMetadata		Exchange Standard	
Table	ReportMetadata		
Entity	ReportMetadata		
Fields	Name	Data Type	Required
	ReportPeriodID	Integer	Yes
	PerformingEntityID	String	Yes
	ProgramName	String	Yes
	ContractNumber	String	Yes
	[etc.]		
Primary Key	[N/A]		
Foreign Keys	ReportPeriodID: ReportingPeriod(ID) PerformingEntityID: PerformingEntity(ID)		
Use Constraints	ReportMetadata is a singleton.		





Exchange Standard: Sample Encoding

Schema

JSON Schemas

WBS.json

```
{
  "type": "array",
  "items": {
    "type": "object",
    "properties": {
      "Level": {"type": "integer"},
      "ID": {"type": "string"},
      "Name": {"type": "string"},
      "NonAdd": {"type": "boolean"}
    }
  },
  "required": ["Level", "ID", "Name"]
}
```

Sample Data

JSON Samples

WBS.json

```
[
  {
    "Level": 1,
    "ID": "1.0",
    "Name": "Total",
    "NonAdd": false
  },
  {
    "Level": 2,
    "ID": "1.1",
    "Name": "Subsystem 1.1",
    "NonAdd": false
  },
  {
    "Level": 2,
    "ID": "1.2",
    "Name": "Subsystem 1.2",
    "NonAdd": false
  }
]
```





IPMR2-Cost Performance Data Exchange Standard Grp

- ▶ Formed 11 Member Team Comprised of Government and Industry Partners
 - Reviewing / comment on initial draft standard
 - Coordinating on responses and adjusting draft standard to address concerns

- ▶ In Process
 - Submitted comments/change suggestions: 33
 - Addressed 28 comments with group; 5 open (as of 1/16/2017)





Notional Plan Forward

2016

Jan – Feb 2017

Mar – Apr 2017

May – Jun 2017

Jul – Aug 2017

Sep – Oct 2017

Nov 2017 →

IPMR Cost Performance

Develop JSON Standard

Vendor Technical Review

Alpha testing

Develop EVM-CR Tool

Final JSON & DEI

Cost & Schedule Integration Testing

IPMR Schedule Performance

Develop JSON Standard

Vendor Technical Review

Alpha testing

Develop EVM-CR Tools

IPMR Policy (DID)

Draft Policy Update

Gov & Industry Review

Comment Review

Finalize & Publish Policy





- ▶ Proposed restructuring of IPMR formats
 - Consolidate Format 1-4 and 7 into a single requirement; remove duplication
 - Transition to reporting single data packages for IPMR Cost Performance, Schedule, and Variance Analysis
- ▶ More extensive data reporting but based on requirements as defined in the EV SIG
 - Cost performance data at the work package level can be rolled into control accounts and used to derive WBS (Format 1) and OBS (Format 2) data
 - Enables utilization of IPMR for automated surveillance needs for DCMA
- ▶ Streamlined Data Exchange Standard improves efficiency and reduces errors





Thank You!

Questions Contact Us

PARCA AEP Program

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<http://www.acq.osd.mil/evm/aep.program.html>

PARCA EVM Website:
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