



PARCA Industry Update

EVM-CR Industry Reviewer Role and IPMR Status

Mr. John McGregor
PARCA Deputy Director for EVM





Agenda

- ▶ 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

**Acting 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





EVM-CR

Discussion of new EVM Central Repository Industry Reviewer Role





EVM-CR Industry Reviewer Role

▶ Purpose

- **The purpose of the new Industry Reviewer Role is to provide Industry Corporate focal points with insight into the reports delivered by their Corporations into the EVM Central Repository**

▶ Benefits

- Corporate visibility into EVM-CR reporting submissions
- Reduced errors and improved data quality
- Resolution of issues at a Corporate level before Government reports

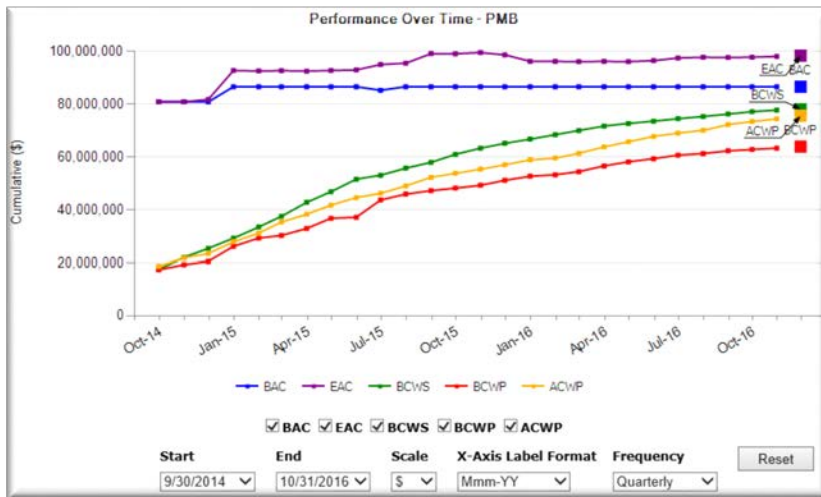




EVM-CR Industry Reviewer Role Functionality

Corporate EVM POC can:

- Review submission compliance information
- See pass/fail status of 99 data quality checks
- View and download all files delivered by data managers
- View performance trend data for submissions for individual efforts



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	

File Name	File Type	Contains Format 5 Data	Component	File Comment
Dec 2016 Electronic Cost XML	Electronic Cost			
Formats 1-4.pdf	Human Readable Cost	Yes		

File Name	File Type	Component	File Comment
December 2016 Format 6 XML	Format 6		
MS Project Native Schedule MPP	Native Schedule		





IPMR Update

Status and Future of the IPMR Update Initiative





The IPMR and EVM reporting is not broken

However, there is opportunity to move to a more streamlined data process for the Department to gain efficiencies

Singular data receipt for OSD that provides joint situational awareness for EVM performance and supports DCMA compliance activities





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





Draft IPMR2-Cost Performance Data Model

- 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

The image displays 13 numbered spreadsheets representing data tables for the IPMR2-Cost Performance Data Model. The tables are organized as follows:

- 1:** Program Elements Summary
- 2:** Cost Elements Summary
- 3:** Performance Elements Summary
- 4:** Program Elements Summary (Detailed)
- 5:** Program Elements Summary (Detailed)
- 6:** Program Elements Summary (Detailed)
- 7:** Program Elements Summary (Detailed)
- 8:** Program Elements Summary (Detailed)
- 9:** Program Elements Summary (Detailed)
- 10:** Program Elements Summary (Detailed)
- 11:** Program Elements Summary (Detailed)
- 12:** Program Elements Summary (Detailed)
- 13:** Program Elements Summary (Detailed)

Concept data model tables needed to extend the IPMR Format 7





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.





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





Draft IPMR₂-Cost Data Model

Concept data model tables needed to extend the IPMR Format 7

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Thank You!

Questions Contact Us

PARCA AEP Program

PARCA Acquisition Exchange Program (AEP) provides a unique career-development experience for high-caliber Government civilians or military personnel interested in acquisition and/or EVM.

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

PARCA EVM Website:
<http://www.acq.osd.mil/evm/>

PARCA EVM Email:
osd.dodevm@mail.mil





BACK-UP





EVM-CR Industry Role; Sign Up

- ▶ Provide the EVM-CR with a signed letter on your company letterhead that states you are authorized to have access to data within our system.
- ▶ Create an account on <http://cade.osd.mil/>



Be sure to include a comment that states you need
“Industry Reviewer Access”

