

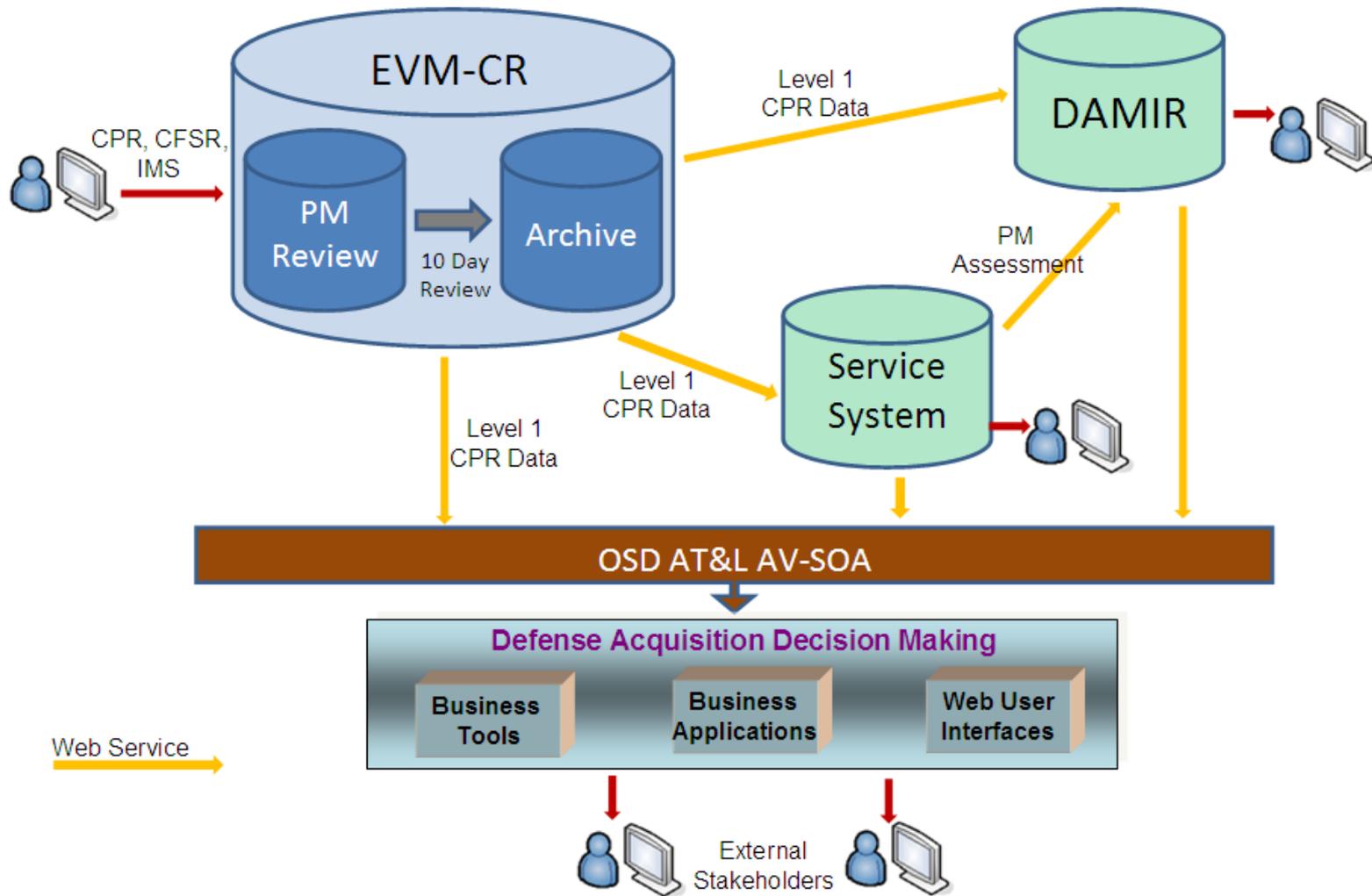
# ***EVM Central Repository: Reporting Compliance & Data Quality Findings***



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***October 2009***

# Overview: How We Use The Data



**Providing Timely and Accurate Key Acquisition Data**

# EVM-CR Metrics (as of 10/15/2009)

- **Number of programs reporting:**
  - MDAP: 74
  - MAIS: 8
- **Number of contracts/tasks reporting:**
  - MDAP: 202
  - MAIS: 12
- **Number of Submissions**
  - Total: 7085
  - Monthly: >250 New Submissions
- **Number of Users**
  - Total: 1786
  - Active: 511
- **Downloads Per Months: >2000**

EVM-CR Metrics									Downloads		
Year	Month	Users Visiting	Monthly Visits	New Users	Total Users	Submitted	Published	Rejected	Published	In Review	During Submission
2009	7	418	1398	77	1638	379	327	14	1257	1494	51
2009	8	414	1361	37	1685	271	318	14	1134	1144	36
2009	9	426	1324	65	1740	310	275	9	1483	1470	36
<b>Average</b>		<b>419</b>	<b>1361</b>	<b>60</b>	<b>1688</b>	<b>320</b>	<b>307</b>	<b>12</b>	<b>1291</b>	<b>1369</b>	<b>41</b>

10/1/2009

# ***EVM-CR Reporting Compliance***

- ***In September 2008, began first level data quality review of submission to the EVM-CR***
  - ***Goals***
    - ***Compliance with CDRLs: timeliness and completeness (e.g., are all the required formats being submitted)***
    - ***Compliance with policy: data submission form factor (e.g., EDI)***
    - ***Alignment to other OSD (and service) data systems (e.g., DAMIR, SOA)***
  - ***Coordinating activities with Service-level Acquisition Staff to make corrective actions as required.***
- ***Findings: Most programs making effort to meet requirement***
  - ***As of Jan 2009, many of the identified issues were being worked on and we're continuing to seeing good progress.***
  - ***As expected: normal, day to day "mistakes" (e.g., forgot to hit the SUBMIT button)***
  - ***Beginning to tackle the more difficult issues***

# ***EVM-CR Reporting Compliance Process & Data Quality Issues***

- ***Easy fixes (requiring minor software changes, better guidance/training)***
  - ***Mislabeled submission file (e.g., identifying an XML file as an X12 TS839)***
  - ***Data errors (contract numbers, contractor name, “as-of date” not as expected)***
  - ***Missing Components of the submission (e.g. no Format 5)***
    - ***For example, submitting a partial data package on due date and then on a subsequent day submitting missing file(s) as a “re-submit”***
    - ***Requirement: submit a complete data package as a single event***
  - ***Submissions against wrong submission events***
- ***Data Validations Rules / Sanity Check***
  - ***Examples***
    - ***BCWS must be less than or equal to BAC***
    - ***TAB must equal CBB unless an OTB is specified***
  - ***Potential Causes***
    - ***Incomplete submission (missing data in EDI/XML file)***
    - ***Some issues identified (and corrected) in EVM-CR data processing routines that read EDI/XML files***
    - ***Minor rounding errors***
    - ***Validation rules may need to be updated (theory vs. reality)***

# ***EVM-CR Reporting Compliance Process & Data Quality Issues***

- ***Submitted EDI or XML files not processing***
  - ***Again, some issues identified and corrected in EVM-CR data processing routines that read EDI/XML files***
  - ***Non-compliant XML***
    - ***Current policy / requirement is EDI X12 compliant with TS-839 format (e.g., WINSIGHT TRN format)***
    - ***EVM-CR also supports XML consistent with WINSIGHT XML-Schema***
    - ***Not all XML files are acceptable (e.g. Excel saved as XML)***
  - ***What should be included in XML***
    - ***WINSIGHT too flexible***
    - ***Need: one reporting period at “reasonable” reporting level***
    - ***Example: In one case a single XML file is 300+ megabytes requiring “zipping”***
- ***May require re-examining CDRL language and DID language to clarify or tighten requirement***

# Significant Alignment Issues

- **EVM-CR “contract tasks” not aligned with “effort numbers”**
  - “Effort Number” is an internal OSD database key used for organizing reporting activities below the contract level
  - EVM-CR submissions at Contract or lower “Contract tasks” levels
    - Used when multiple CPRs are required on a contract each month
    - E.g. A “total CPR” plus multiple component CPRs
      - Reporting by CLINS / Delivery Orders (e.g. T-AKE, DDG, AB3, MPS, ...)
      - Teaming relationships (e.g. V-22)
    - Problems
      - Component CPRs may or may not sum to total properly
      - Multiple component CPRs provided without total (or total not EDI)
      - Typically ad-hoc methods (comment) for identifying total CPR
- **Internal OSD/Government Alignment Issues**
  - Contract reporting requirements need to be aligned with presentation and data needs of leadership (and IT systems)
    - Effort numbers without matching tasks
    - Tasks without matching effort numbers
  - Aligning CDRLs to EVM Policy (e.g., reducing tailoring such as elimination of EDI requirement)

# *Submission Process*

# ***Submitter Responsibilities***

- ***Verify requirement to submit to EVM-CR***
  - ***not to be confused with CSDR reporting***
- ***Register with EVM-CR (just submitter role)***
- ***Coordinate with lead reviewer/contract POC to be added to contract submit team***
- ***Verify contract details in EVM-CR***
- ***Manage submission activities***
  - ***Submit against correct events (clarify with POC)***
  - ***Submit ALL required documents***
    - ***Don't make partial submissions***
    - ***You can't add to a submission after you SUBMIT... well...***
  - ***DO NOT MARK "CLASSIFIED", etc. EVM-CR is for unclassified submissions only!***

# ***Submission Steps / Status***

- ***STEP 1: Select Event***
  - ***Select a contract/event***
  - ***Specify Report Date and POC information***
- ***Status set to SUBMITTING***
- ***STEP 2: Upload files (1 or more)***
- ***STEP 3a: Review Level-1 CPR data (from EDI / XML)***
- ***STEP 3b: Review and Submit***
- ***Status set to PENDING***

# STEP 1: Upload Home

- Select “Upload” to start or continue a submission



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When this document is printed, it needs to be stamped top and bottom with the appropriate classification.



## EVM Central Repository

Defense Cost and Resource Center - Enhancing DoD Cost Analysis

Username: jhorner Roles: EVM\_Admin, EVM\_Analyst, EVM\_Reviewer, EVM\_Submitter, EVMWS\_Admin, Portal\_Admin [Log Out](#)

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### Upload Home

(\*\*\* EVM Data Only, No CSDR Data \*\*\*)

[Submissions in Progress](#) | [Assigned Contracts](#) | [Submission Events](#)

#### Upcoming Submission Events

Event Name	Expected As Of Date	Expected Submission Date	Prime Contract Number	Sub Contract Number	Contract Task	Program Name	
Test-03	3/1/2008	3/1/2008	<a href="#">AAAA01-01-A-A004</a>	AAAA01-01-A-A005	Task 1	Extended Range Active Missile (Standard Missile-6)	<a href="#">Upload</a>
March CPR	3/1/2008	3/17/2008	<a href="#">111</a>		2nd Task	Mobile User Objective System (MUOS)	<a href="#">Upload</a>
March CFSR	3/1/2008	3/17/2008	<a href="#">111</a>		2nd Task	Mobile User Objective System (MUOS)	<a href="#">Upload</a>
March IMS	3/1/2008	3/17/2008	<a href="#">111</a>		2nd Task	Mobile User Objective System (MUOS)	<a href="#">Upload</a>

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#### Search Submission Events

Contract Number:  Contract Task:  Program:

Expected Submission Date: After:   Before:

Expected As Of Date: After:   Before:

Submission Events  With Submissions,  Without Submissions,  Both.

[Search Submission Events](#) Fill in search criteria and click here

Click here to Upload

# STEP 1: Start Submission Event

## Upload Submission

[Back](#) | [Cancel Submission](#)

[Submission Info](#)

[Files](#)

### Contract Information

**Program Name:** ARH-70 (Armed Reconnaissance Helicopter)

**Program URI:** urn:us:mil:osd:acq:cars:pno-179

**Program Manager:** SFAE-AV

**Contract Number:** W58RGZ-05-C-0234

**Contractor Name:** Bell Helicopter Textron, Inc.

**Contractor Division:** N/A

**Sub Contract Number:** Unk-RAH-Rockwell

**Sub Contractor Name:** Rockwell Collins

**Sub Contractor Division:** Defense Electronics Systems

**Military Handbook:** AIRCRAFT

**Service:** ARMY

**Weapon System Type:** Reconnaissance Attack Helicopter

**Contract Type:** CPIF

**Contract Tasks:** RDT&E

### Contract Task & Submission Event

Contract Task: RDT&E

Submission Event: Dummy

Expected Report Date: 6/8/2007

Expected Submission Date: 6/8/2007

### Submission Details

Report Date:

Comment:  
(Max 256 chr.)

### Point of Contact Information

Name:

Phone:

Fax:

Email:

- **Minimum Requirement to start a submission**
  - **Specify Report Date**
  - **Verify contact info**
  - **SAVE**
- **Hint: You can Cancel**

# Step 2: Upload Files

- **Upload one or more files to a submission**
  - **Tag with appropriate “file type”**
  - **Attach brief descriptive comment**

## Upload Submission

[Back](#) | [Cancel Submission](#)

[Submission Info](#)

**Files**

### Unclassified Documents Only

Select a file to Upload

Caution: The total size of each file must be less than 30 mb.

Please select a File Type.  File    
Comment:

Uploaded Files

There are no files uploaded for this submission.

### Typical Example

Submission Files

	File Name	File Type	File Comment
	<a href="#">C-5 RERP SDD Format 1 0808.htm</a>	CPR Format 1	
	<a href="#">C-5 RERP SDD Format 2 0808.htm</a>	CPR Format 2	
	<a href="#">C-5 RERP SDD Format 3 0808.htm</a>	CPR Format 3	
	<a href="#">C-5 RERP SDD Format 4 0808.htm</a>	CPR Format 4	
	<a href="#">RERP Format 5 0808.doc</a>	CPR Format 5	
	<a href="#">C5 RERP 0808.xml</a>	CPR XML (wInsight)	



# Step 3a: Review CPR Data

## Upload Submission

[Back](#) | [Cancel Submission](#)

Program: XYZ Test Program

Contract: aaa111aaa

[Submission Info](#)

[Files](#)

**CPR Data**

[Review & Submit](#)

[Process All CPRs](#)

[Create a Submitter CPR](#)

[Next Step](#)

View	File Name	File Type	CPR Level	CPR Type	File Comment	CPR ID	Processing Status	Processing Errors
	Test_Submittal December07.xml	CPR XML (w/insight)	Total	File		292	Processed with errors	View the CPR for further details.

### CPR Submission

Submission ID: 364    CPR Type: Submitter    Final CPR: No  
CPR Level: Total

### Contract

Contract Number:  ?  
Effort Number:  ?  
Submit To DAMIR: No  
Task Name:  ?  
Contract Type:  ?  
Government Share:  ?

### Program

Program Name: XYZ Test Program  
Program URI: Unknown  
System Name:  ?  
System Phase:  ?

### Submission Information

Effective Date:  ?    Submission Units:  ?

### Contractor

Contractor Name:  ?    Division Name:  ?

### Format 1 Contract Data

Quantity:  ?  
Target Price:  ?  
Estimated Price:  ?

### Estimated Cost At Completion

Best Case:  ?  
Worst Case:  ?  
Most Likely:  ?

- **Level 1 data extracted from EDI/XML files republished via web service to DAMIR/SOA and Service Systems**

# Step 3b: Review & Submit

## Upload Submission

[Back](#) | [Cancel Submission](#)

Program: XYZ Test Program

Contract: aaa111aaa

[Submission Info](#)

[Files](#)

[CPR Data](#)

[Review & Submit](#)

### Contract Information

**Program Name:** XYZ Test Program

**Contract Number:** aaa111aaa

**Sub Contract Number:**

**Military Handbook:** SPACE

**Weapon System Type:** Electronic/Communications Satellite

**Contract Tasks:** Task 1

**Program URI:** Unknown

**Contractor Name:** General Dynamics Corporation

**Sub Contractor Name:**

**Service:** NAVY - test

**Contract Type:** Unknown

**Program Ma**

**Contractor**

**Sub Contractor**

### Contract Task & Submission Event

Contract Task: Task 1

Selected Event: Jan 2009 Reports

Expected Report Date: 1/2/2009

Expected Submission Date: 1/31/2009

Expected Files: CPR

### Submission Details

Report Date: 1/2/2009

Resubmit: No

Comment:

### Uploaded Files

File Name	File Type	CPR Level
<a href="#">Test_Submittal December07.xml</a>	CPR XML (wInsight)	Total

### CPRs

View	Final CPR	File Name	File Type
	<input checked="" type="checkbox"/>	Test_Submittal December07.xml	CPR XML (wInsig

### Submission Errors & Warnings

#### Submission Warnings:

- Test\_Submittal December07.xml CPR has data validation warnings, please view the CPR for details.

These warnings are validation warnings for information only.

[Submit](#)

## ***Final review:***

- required files attached***
- Correct as-of date***
- Review level-1 CPR data***
- Remember to Submit***
- Hint: can still cancel***

# Summary

- **Why Is This Important?**
  - **Automation/integration with other data systems (SOA, DAMIR, etc) provides timely access and visibility to contract reporting levels for stakeholders and decisions makers.**
  - **Data is being used by senior leadership: e.g., trip-wire analysis**
    - **Alignment necessary: Reporting must roll up to contract level properly**
    - **No room for double counting or gaps**
- **Current Activities**
  - **Continue working with Services to coordinate corrective actions on data alignment and quality issues.**
  - **Updating EVM-CR and on-line documentation and training materials to clarify requirements**
  - **Working the bigger alignment issues case by case**
    - **Looking at CDRLs and alignment to policy**
    - **Aligning data submissions to other OSD IT systems**