PARCA

EVM Central Repository
Analyst Guide

June 2016

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ANALYST GUIDE

The following document provides step-by-step illustrations of the major actions performed by Analysts in the EVM-CR system:

- Obtaining an ECA Certificate
- Creating a CADE Portal Account
- Accessing Data
- Understanding EVM-CR Reports & Metrics

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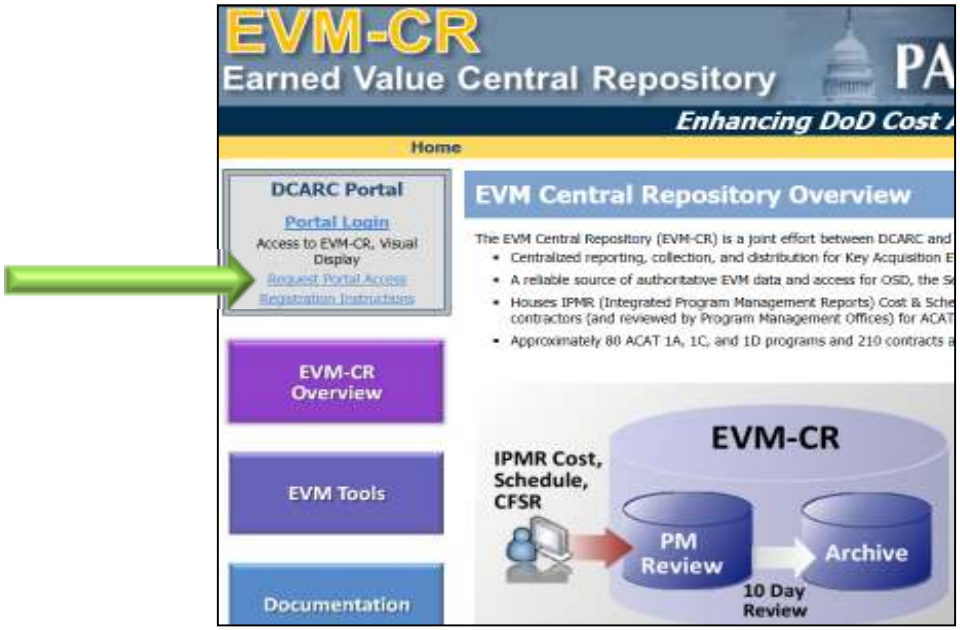
ECA CERTIFICATE

- 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 DCARC Portal.
- 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/EVM/EVMOverview.aspx and choose the option to Request Portal Access as shown below:



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

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ACCESSING THE EVM WEBSITE

Once your access is approved, log in to the CADE Portal and click the EVM Website link as shown here to access the EVM Central Repository.

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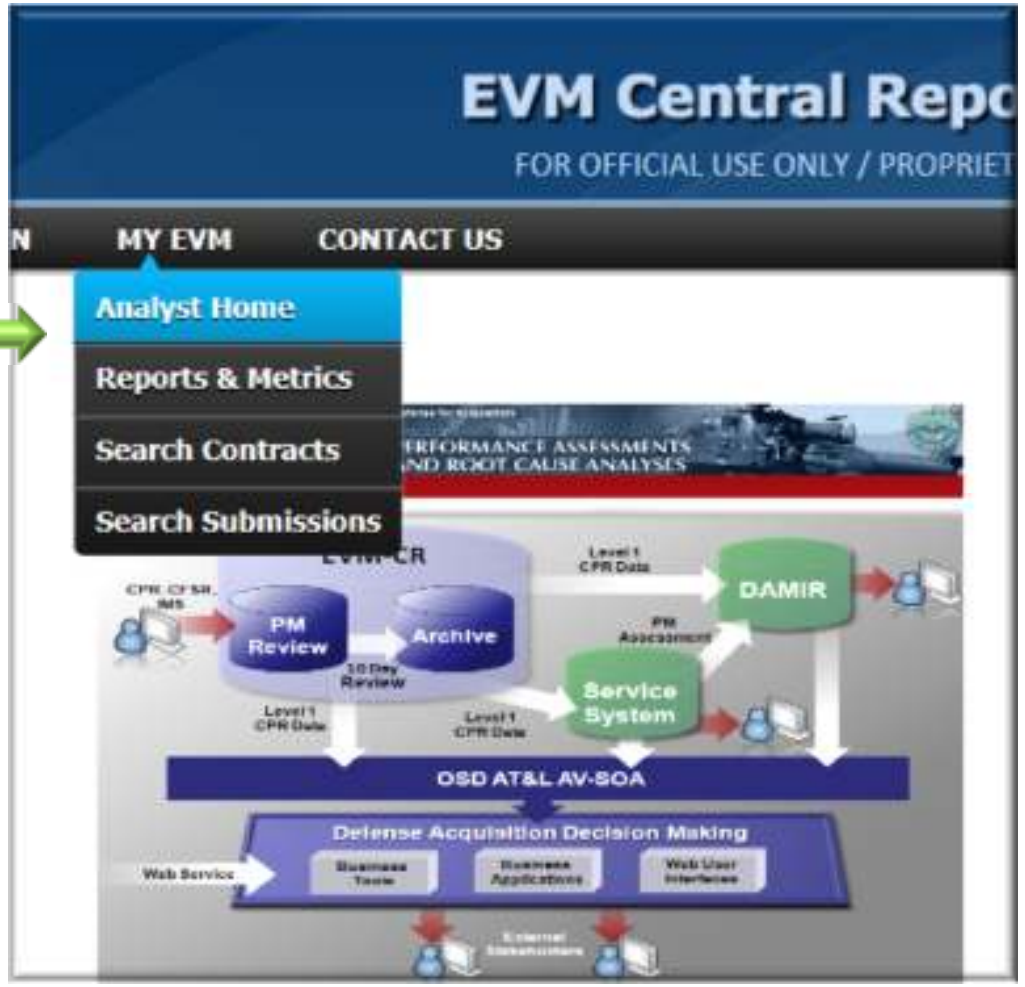
ANALYST HOME

ANALYST HOME

From the EVM Home page, Select **MY EVM** to find:

- **Analyst Home** – search or browse programs
- **Reports & Metrics** – charts related to reporting compliance and data quality
- **Search Contracts**
- **Search Submissions**



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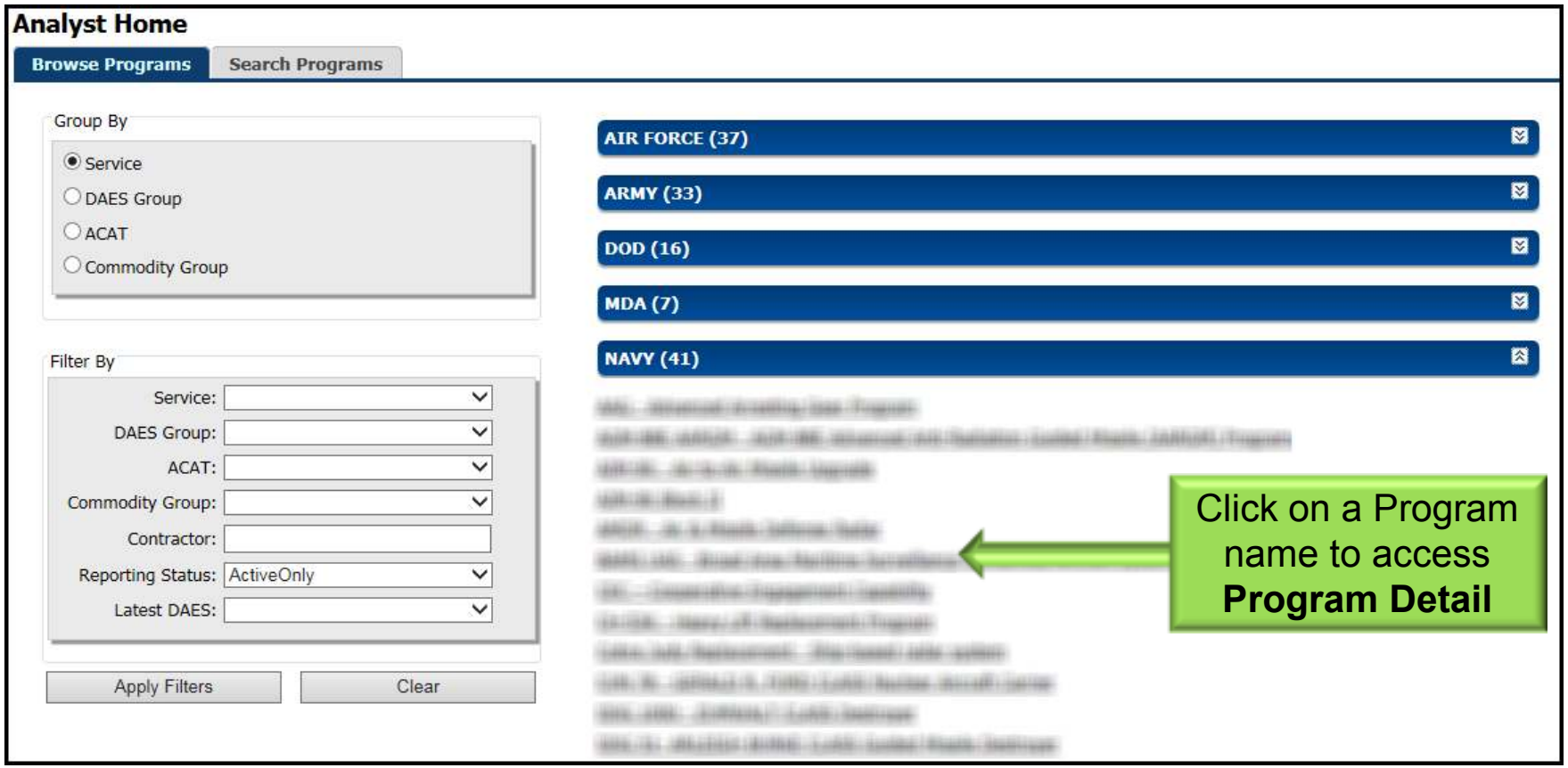
ANALYST HOME: BROWSE PROGRAMS

Various search options are available to browse programs. When desired program is located, click the Program name to drill into Program Detail.



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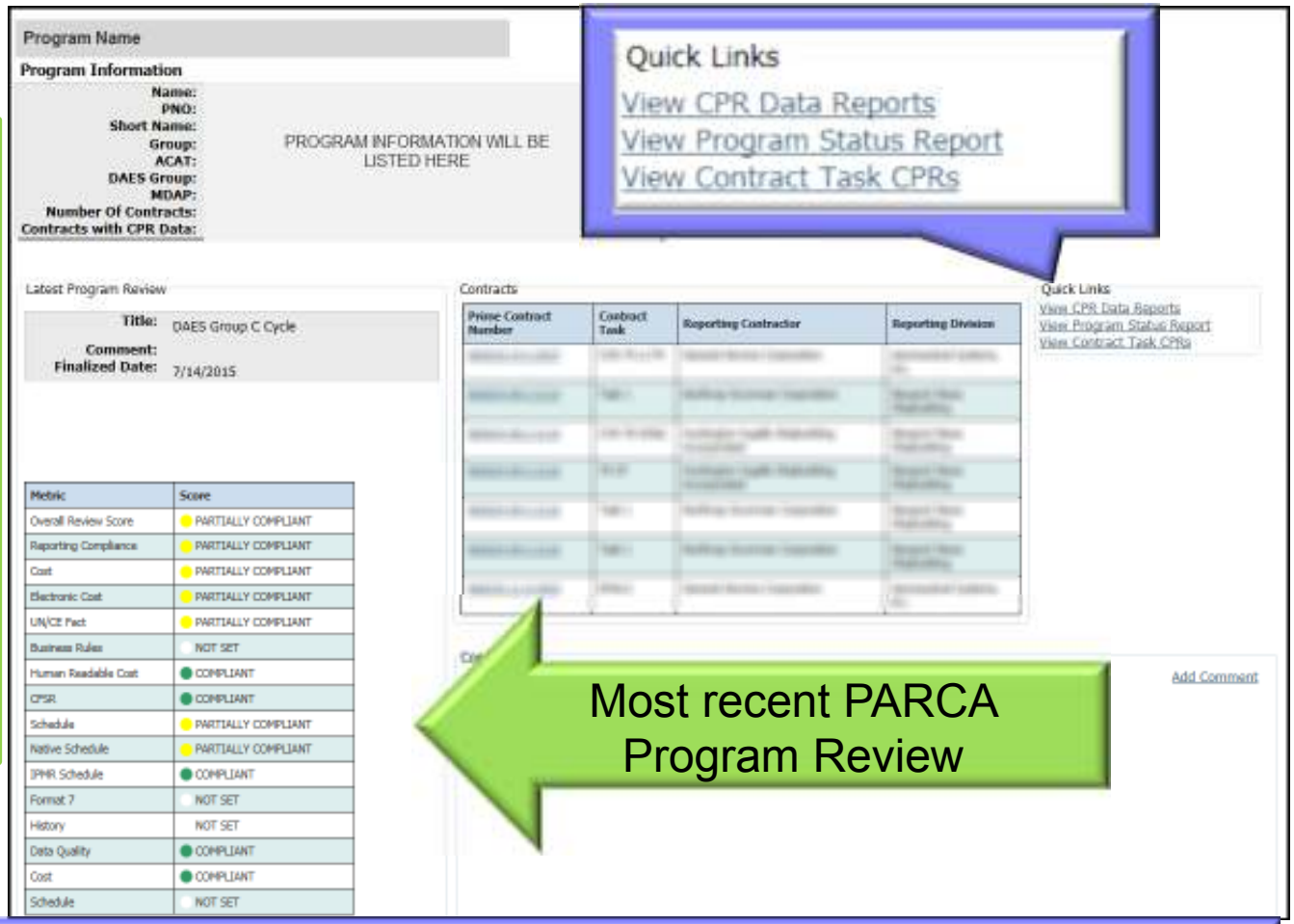
PROGRAM DETAIL

Program Detail provides links to:

- Contracts for the program
- CPR Data Report
- Program Status Report
- Contract Task CPRs



NOTE: PARCA staff completes a quarterly review for Reporting Compliance and Data Quality on each Program with contracts reporting to the EVM-CR. Results of review are displayed here.

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CONTRACT DETAIL

ACCESS CONTRACT DETAIL

Access **Contract Detail** in 2 ways:

1. Go to "MY EVM" and click Search Contracts. Enter the Contract number, Program Name or other search criteria and browse for the correct contract.
2. From the Program Detail page, navigate to the Contract Detail page by Clicking on the Prime Contract Number.

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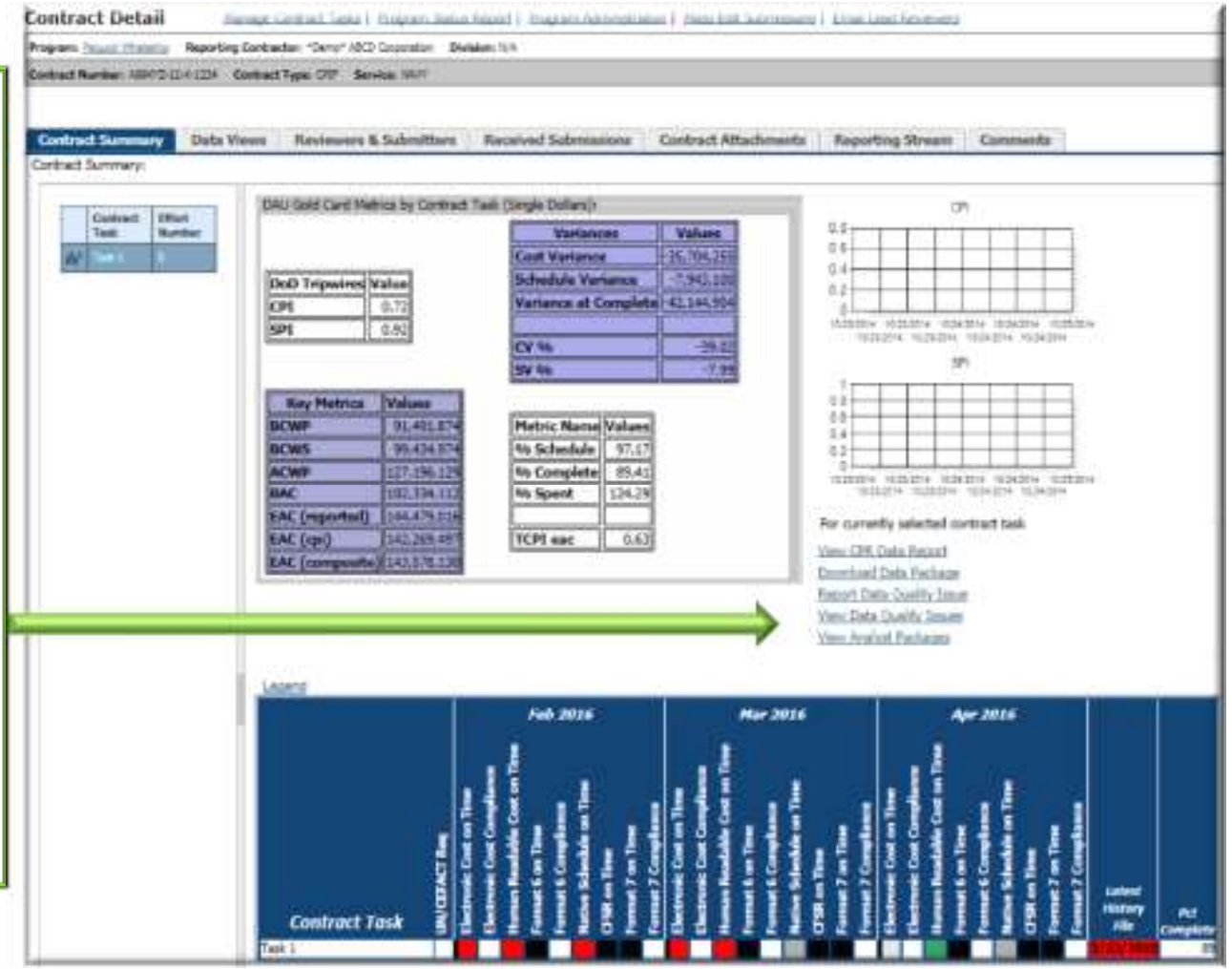
CONTRACT DETAIL: CONTRACT SUMMARY

Contract Summary Page:

- DAU Gold Card Metrics
- Task list of all tasks associated with the contract
- CPI/SPI
- 3 month Program Status Report
- Level 1 data metrics from the most recent published report

Links:

- CPR Data Report (data extracted from Electronic cost files)
- Download Data packages
- Report a Data Quality Issue
- View Data Quality Issues
- View Analyst packages



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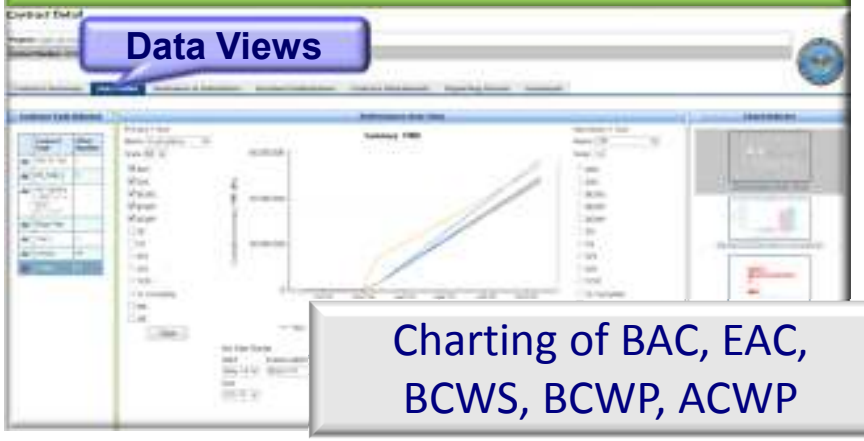
CONTRACT DETAIL: DATA VIEWS

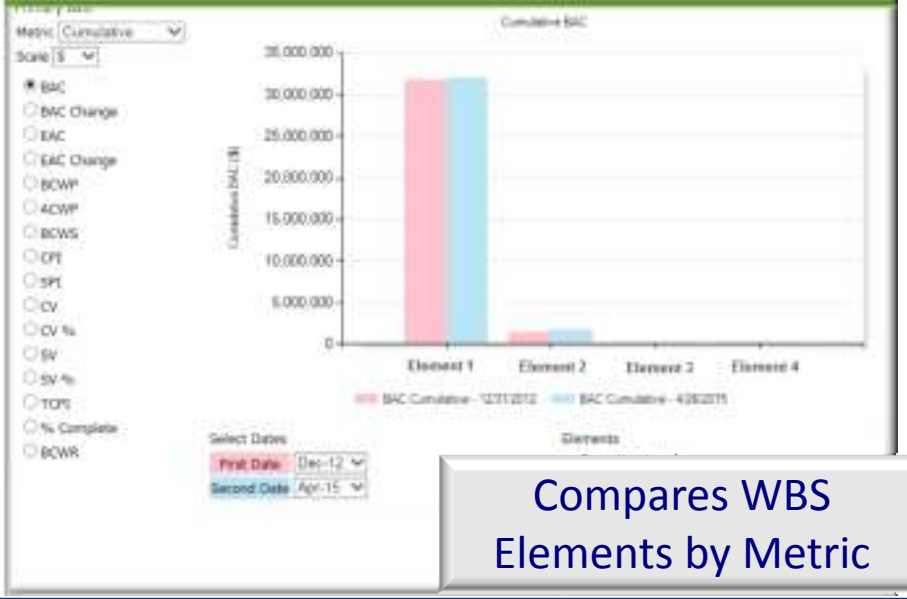
Display various Metrics, Date Ranges and Element views based on user selections.

Performance Over Time



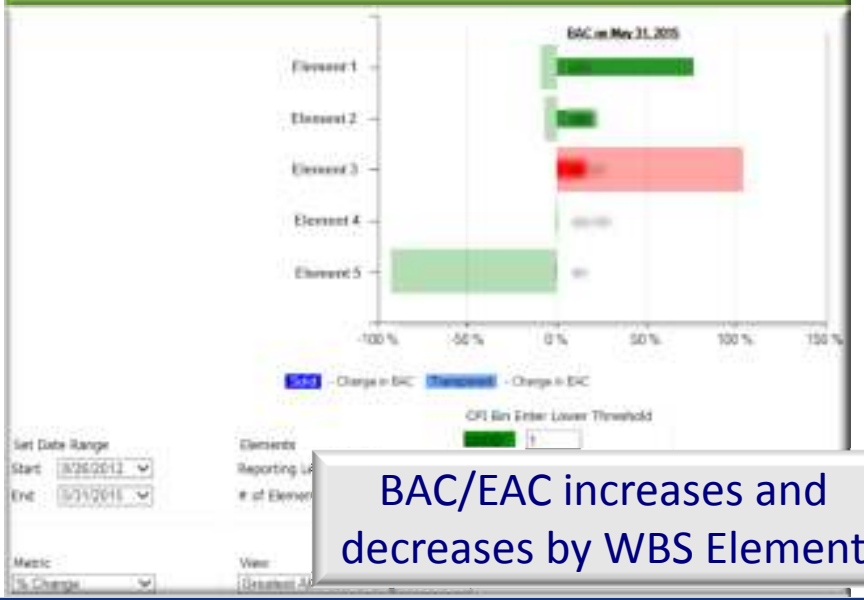
Charting of BAC, EAC, BCWS, BCWP, ACWP

Element Performance Comparison



Compares WBS Elements by Metric

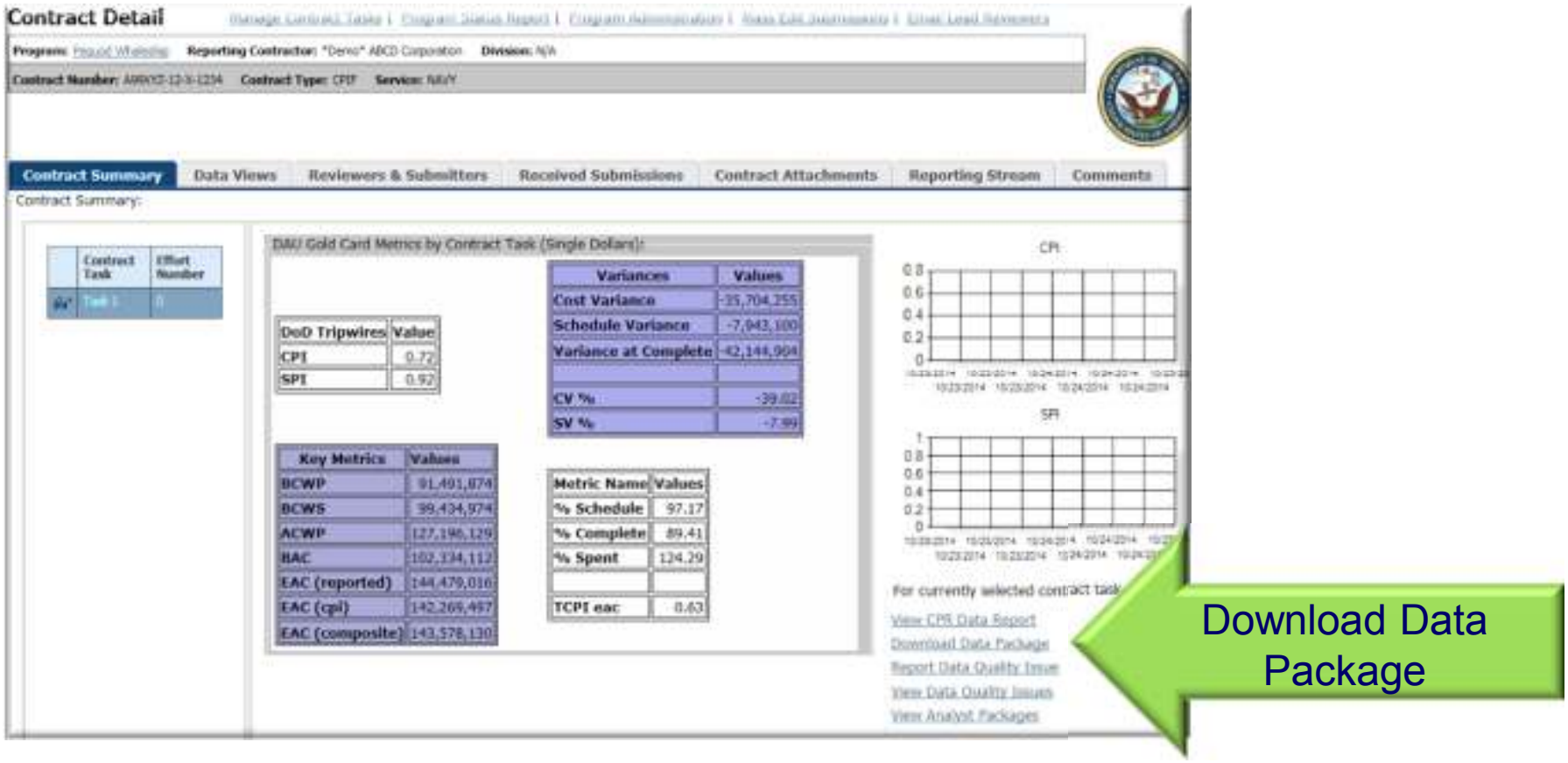
Budget Shifting



BAC/EAC increases and decreases by WBS Element

CONTRACT DETAIL:
FULL DATA RETRIEVAL

Full Data Retrieval (FDR) provides the capability to download all periods of IPMR cost data for a contract task including Format 6, Format 7 and DAMIR Milestones in a single zip file. Click the Download Data Package link to access the zip file.



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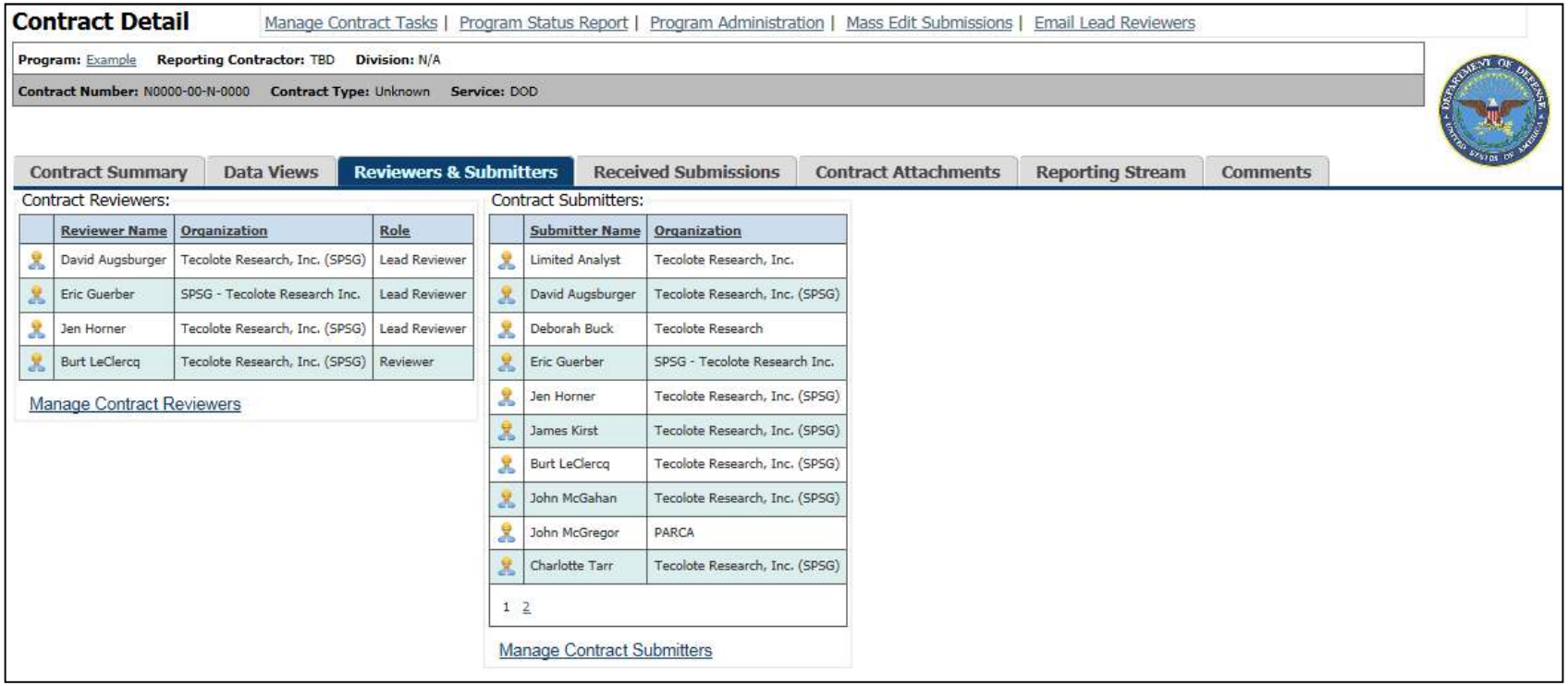
CONTRACT DETAIL: REVIEWERS & SUBMITTERS

- The Reviewers & Submitters tab shows all users assigned to the contract and their corresponding roles.
- Users assigned as Lead Reviewer(s) will have the option to Manage Contract Reviewers & Manage Contract Submitters



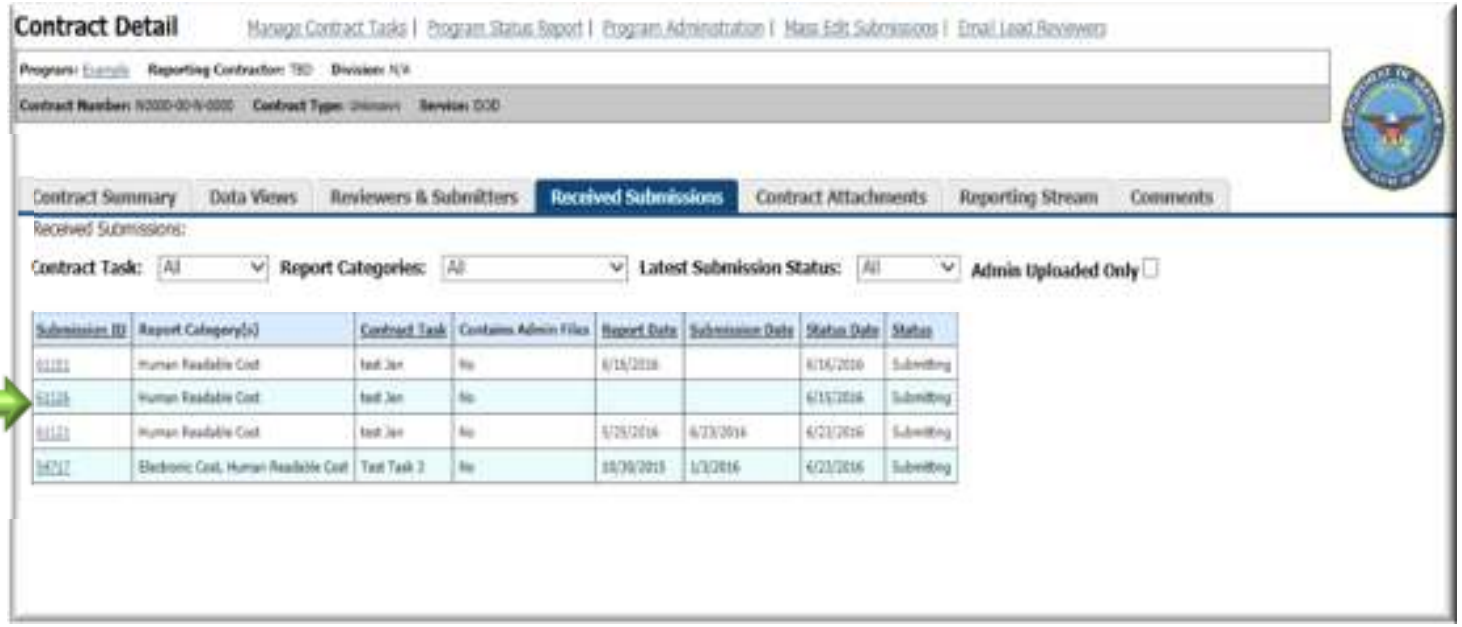
CONTRACT DETAIL:
RECEIVED SUBMISSIONS

Received Submissions displays all Published submissions on the contract.

Filter this list by:

- **Contract Task** - if more than one task on contract, a drop down option is available.
- **Report Categories -** Electronic Cost, Human Readable Cost, CFSR, Format 6, Native Schedule, Format 7, History

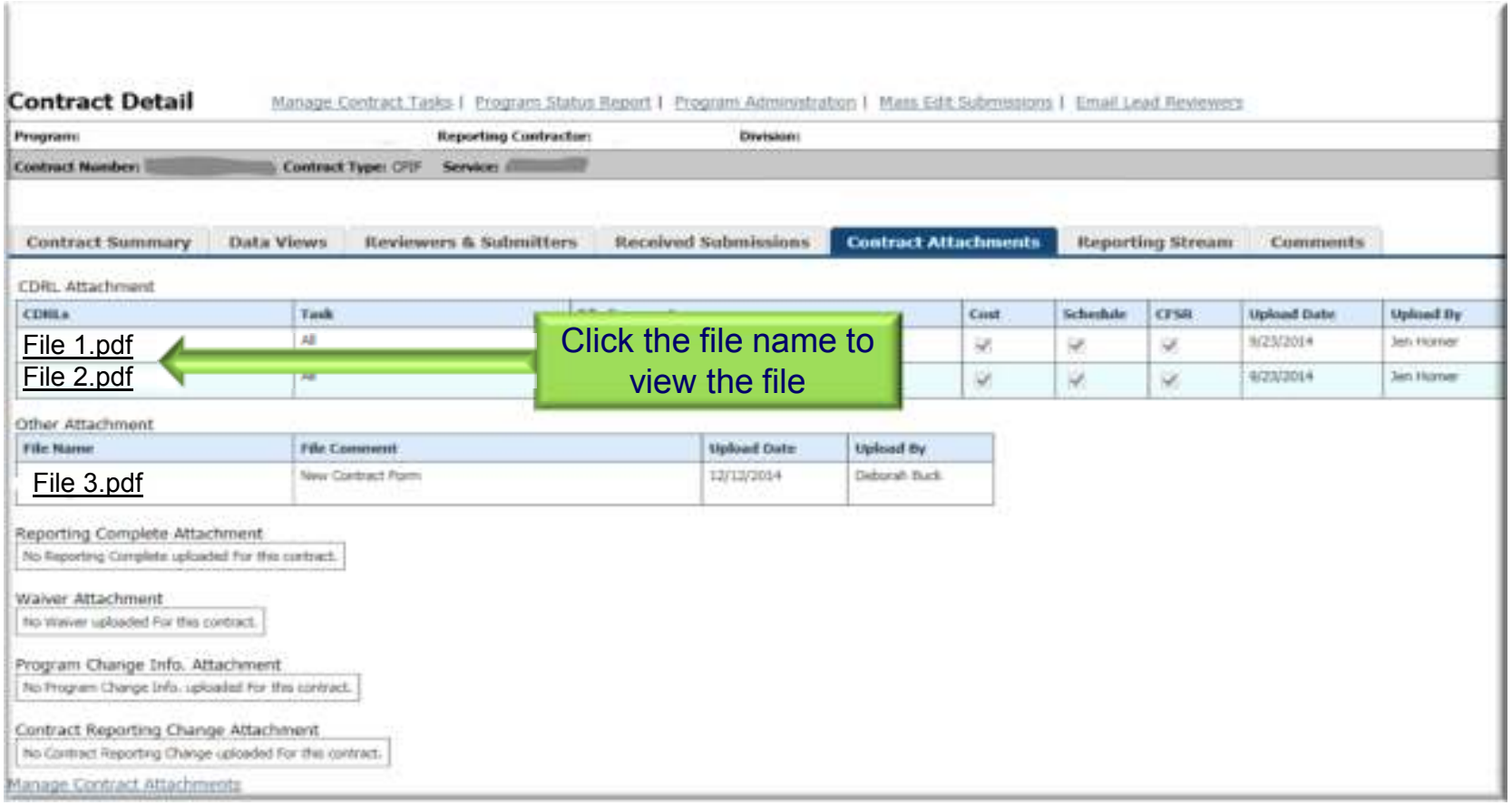
Click Submission ID# to drill into the Submission Detail, access submitted files and view data extracts from the electronic files



CONTRACT DETAIL: CONTRACT ATTACHMENTS

Files related to the contract and reporting requirements are housed here. Form DD-1423 CDRL documents will be available on this tab.

Files are organized by type of attachment



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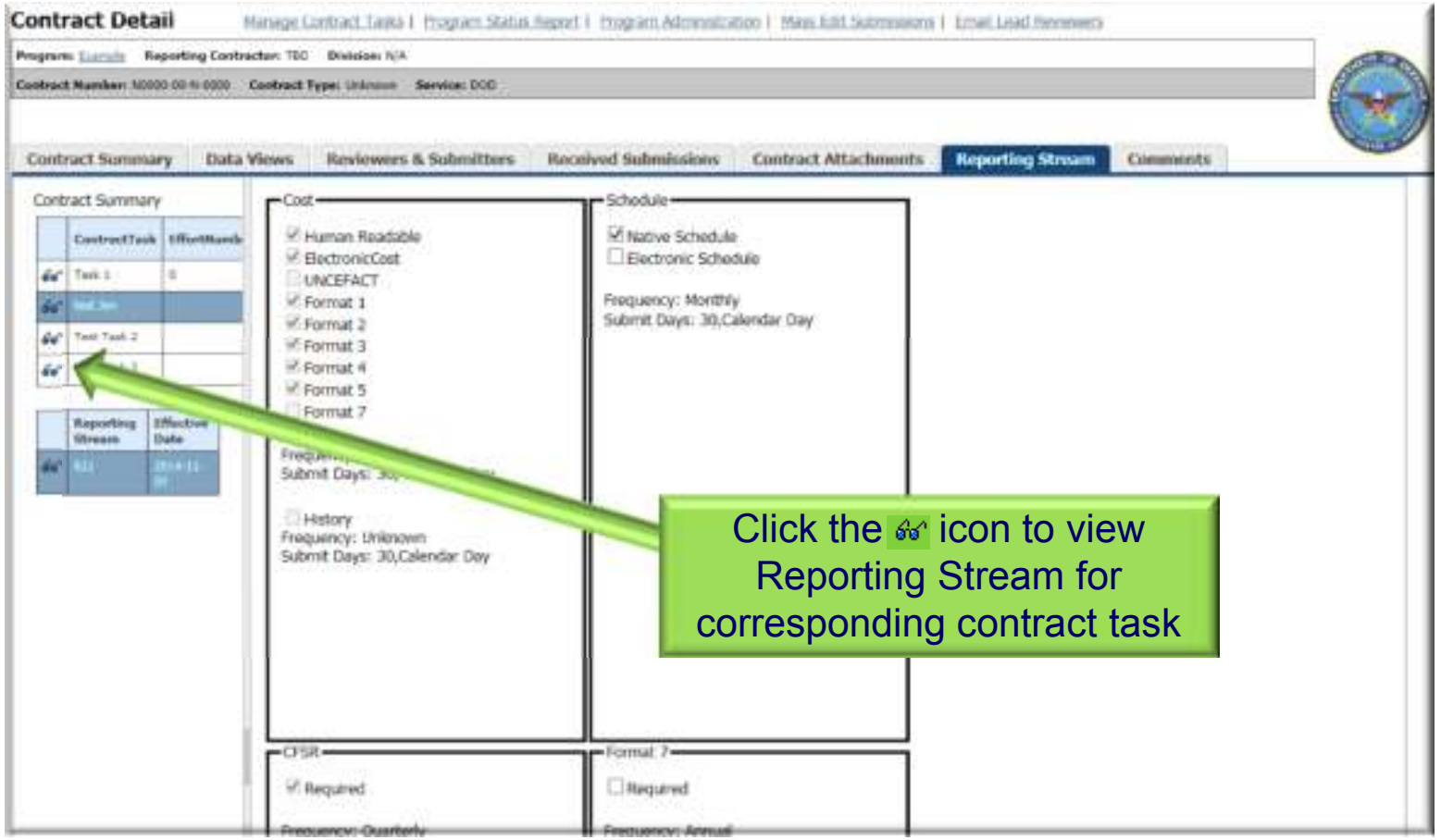
CONTRACT DETAIL:
REPORTING STREAM

The Reporting Stream defines the reporting requirements for each contract task. Click the icon to navigate between contract tasks and view corresponding requirements.



SUBMISSION DETAIL

SUBMISSION DETAIL: SUBMISSION

- Submission Detail can be accessed via Contract Detail: Received Submissions
- The Submission tab displays information about the submission such as when it was submitted, current status and report type(s).
- Choose the Files tab to view and access files delivered in a submission.

NOTE: As an Analyst you will only have access to Published submissions.

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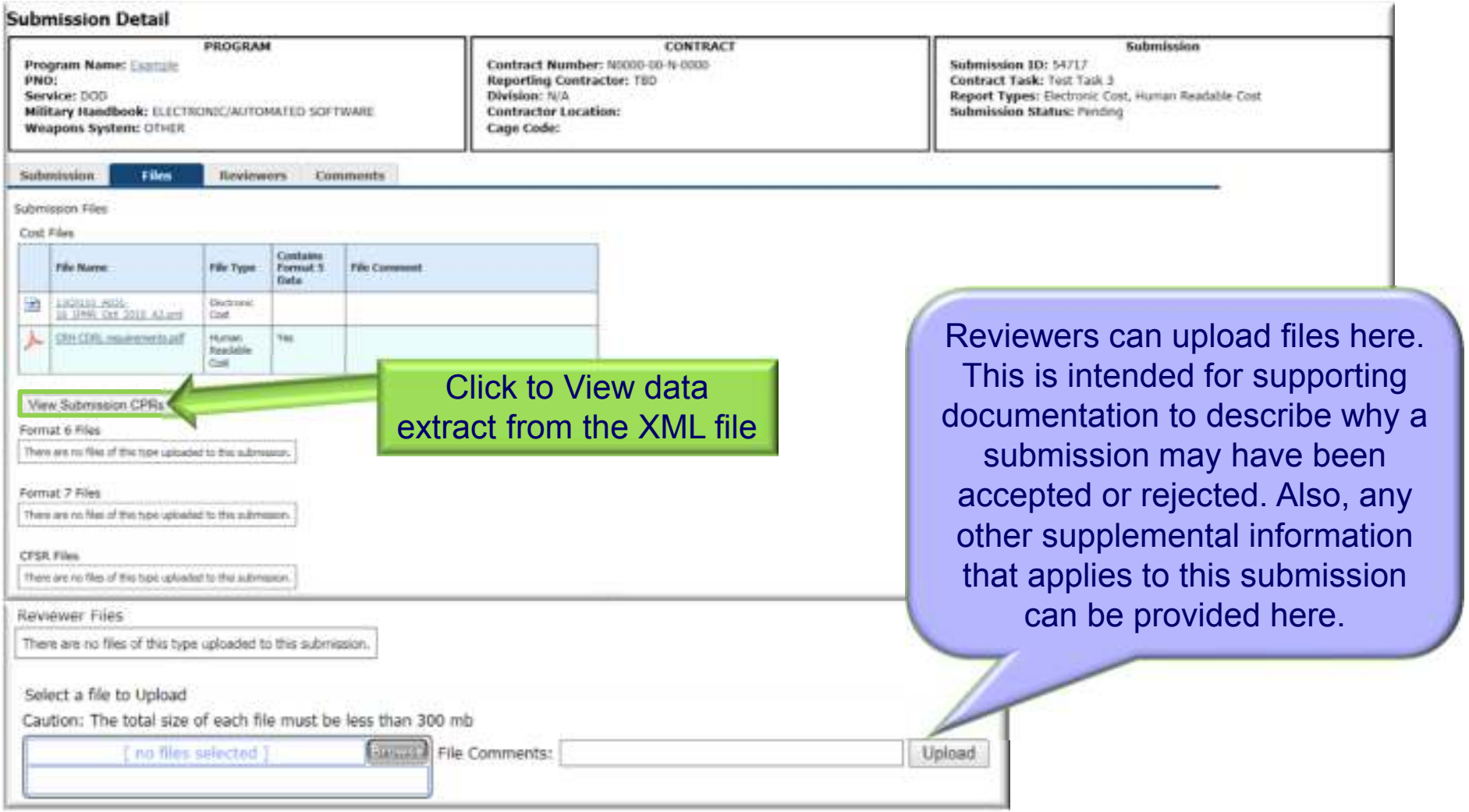
SUBMISSION DETAIL: FILES



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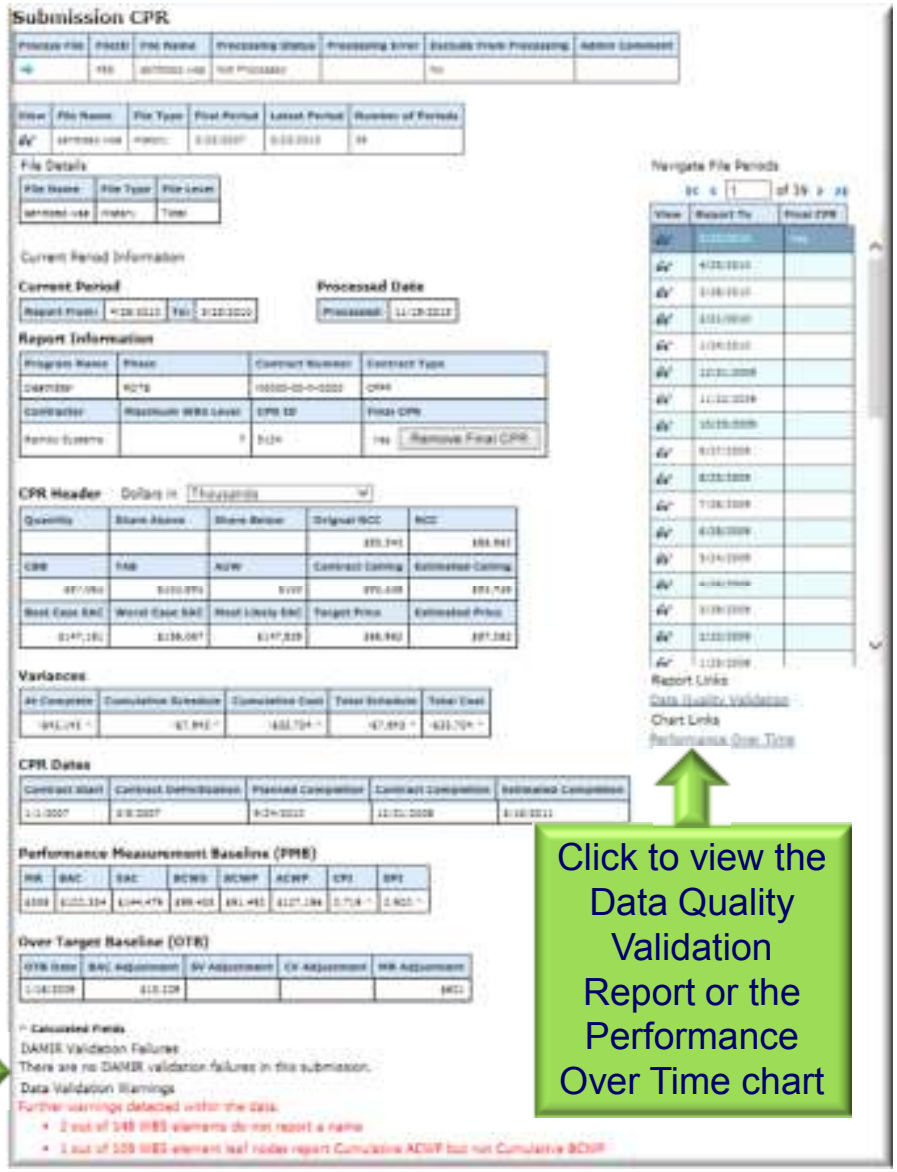
SUBMISSION DETAIL:
VIEW SUBMISSION CPR

- Example of a level one data extract from the IPMR Electronic Cost file
- The Data Quality Validation Report displays all checks performed on the file.

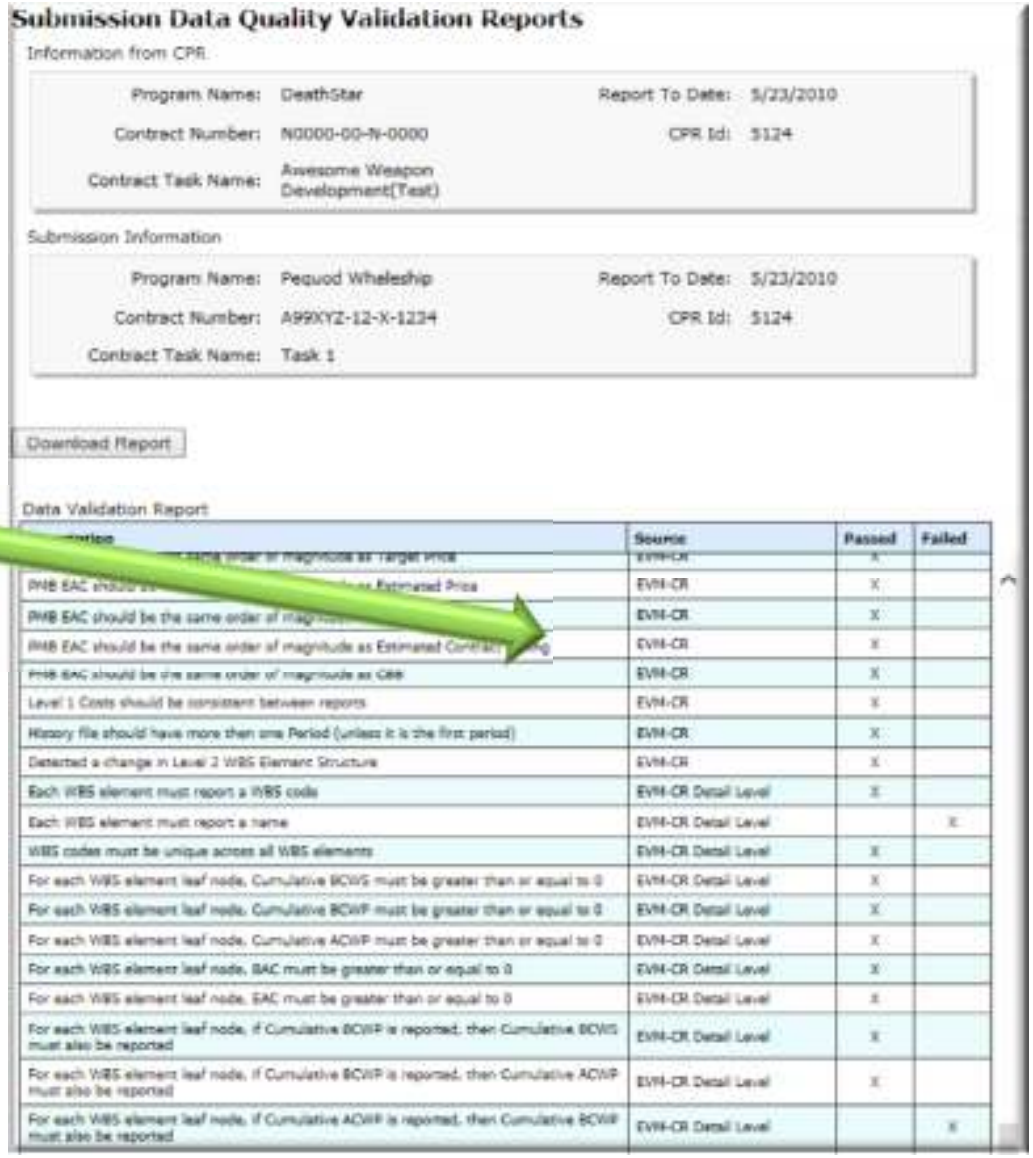


DAMIR Validation Failures and Data Validation Warnings displayed

Click to view the Data Quality Validation Report or the Performance Over Time chart

SUBMISSION CPR:
DATA QUALITY VALIDATION REPORTS

- The Data Quality Validation Report displays all checks performed on the file.
- View Pass/Fail in the two right columns by scrolling up or down.
- The report can be downloaded to Excel, by clicking Download Report.



Submission Data Quality Validation Reports

Information from CPR

Program Name:	DeathStar	Report To Date:	5/23/2010
Contract Number:	N0000-00-N-0000	CPR Id:	5124
Contract Task Name:	Awesome Weapon Development(Test)		

Submission Information

Program Name:	Pequod Whaleship	Report To Date:	5/23/2010
Contract Number:	A99XYZ-12-X-1234	CPR Id:	5124
Contract Task Name:	Task 1		

Download Report

Data Validation Report

	Source	Passed	Failed
PMB EAC should be the same order of magnitude as Estimated Price	EVM-CR	X	
PMB EAC should be the same order of magnitude as	EVM-CR	X	
PMB EAC should be the same order of magnitude as Estimated	EVM-CR	X	
PMB EAC should be the same order of magnitude as GBB	EVM-CR	X	
Level 1 Costs should be consistent between reports	EVM-CR	X	
History file should have more than one Period (unless it is the first period)	EVM-CR	X	
Detected a change in Level 2 WBS Element Structure	EVM-CR	X	
Each WBS element must report a WBS code	EVM-CR Detail Level	X	
Each WBS element must report a name	EVM-CR Detail Level		X
WBS codes must be unique across all WBS elements	EVM-CR Detail Level	X	
For each WBS element leaf node, Cumulative BCWS must be greater than or equal to 0	EVM-CR Detail Level	X	
For each WBS element leaf node, Cumulative BCWP must be greater than or equal to 0	EVM-CR Detail Level	X	
For each WBS element leaf node, Cumulative ACWP must be greater than or equal to 0	EVM-CR Detail Level	X	
For each WBS element leaf node, BAC must be greater than or equal to 0	EVM-CR Detail Level	X	
For each WBS element leaf node, EAC must be greater than or equal to 0	EVM-CR Detail Level	X	
For each WBS element leaf node, if Cumulative BCWP is reported, then Cumulative BCWS must also be reported	EVM-CR Detail Level	X	
For each WBS element leaf node, if Cumulative BCWP is reported, then Cumulative ACWP must also be reported	EVM-CR Detail Level	X	
For each WBS element leaf node, if Cumulative ACWP is reported, then Cumulative BCWP must also be reported	EVM-CR Detail Level		X

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SUBMISSION CPR:
PERFORMANCE OVER TIME CHART

This Performance Over Time Chart provides a charted view of level 1 data metrics for all periods of data on the contract task. The square images listed at the end of each trend line represent the data in the file currently being analyzed. The chart may be customized to show specific dates and optional display data.

Squares represent data from file currently being analyzed

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REPORTS & METRICS

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REPORTS & METRICS

- **CPR Data Report** – Electronic Cost data displayed in grid view
- **EVM-CR Reporting Compliance –** PARCA Program Review ratings
- **Contract Task Files by Time Report** – Shows the authoritative source of contract task CPR information by time period
- **Packaged Submission Documents** – retrieve bulk download files here

- **Program Status Report** – provides detailed reporting compliance information
- **Leadership Program Status –** a consolidated view of the Program Status Report
- **Formats Delivered** – provides information about the various IPMR formats received vs those that are required
- **Performance Over Time Chart** – display of PMB metrics by contract task
- **EVM Reporting Dashboard** – provides metrics on compliance of expected submissions

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REPORTS & METRICS:
CPR DATA REPORT

The CPR Data Report displays data extracted from the electronic files received in the EVM-CR by contract task. Enter relevant search criteria and when your desired task is located, click the to run the report. The report can then be exported to Excel if desired. You can also prepare a TRN package, which is a single period machine readable file for each time period, or report a data issue. (See slide 30 for information on retrieving a TRN package). Additionally the data can be viewed in chart form by selecting the Performance Over Time Chart.

Tasks - Current Contract:

Contract Task Name	Effort Number	Start Date	End Date	First Period	Last Period	Run Report
		8/26/2011	9/30/2016	9/29/2011	8/21/2015	

Click here to generate the report for your selected contract task

Download to Excel | Prepare TRN Package | Report Data Issue | View Performance Over Time Chart

Program: Contract: Task:

(Cost values are in dollars)

Year	Month	ReportDate	ReportFrom	StartDate	DefinitizationDate	CompletionDate	ECD	BudgetCompletionDate	Quantity	ShareAbove	ShareBelow	OriginalNCC	NCC	MostLikelyEAC	BestCaseEAC	WorstCaseEAC	TargetPrice	EstimatedPrice	CeilingPrice
2011	9	9/29/2011	8/26/2011	8/25/2011	8/26/2011	1/31/2015	1/31/2015	1/31/2015											
2011	10	10/27/2011	9/30/2011	8/25/2011	8/26/2011	1/31/2015	1/31/2015	1/31/2015											
2011	11	11/24/2011	10/28/2011	8/25/2011	8/26/2011	9/20/2016	9/20/2016	9/20/2016											
2011	12	12/22/2011	11/25/2011	8/25/2011	8/26/2011	9/20/2016	9/20/2016	9/20/2016											
2012	1	1/26/2012	12/23/2011	8/25/2011	8/26/2011	9/20/2016	9/20/2016	9/20/2016											
2012	2	2/23/2012	1/27/2012	8/25/2011	8/26/2011	9/20/2016	9/20/2016	9/20/2016											
2012	3	3/29/2012	2/24/2012	8/25/2011	8/26/2011	9/20/2016	9/20/2016	9/20/2016											
2012	4	4/26/2012	3/30/2012	8/25/2011	8/26/2011	9/20/2016	9/20/2016	9/20/2016											
2012	5	5/31/2012	4/27/2012	8/25/2011	8/26/2011	9/20/2016	9/20/2016	9/20/2016											
2012	6	6/28/2012	6/1/2012	8/25/2011	8/26/2011	9/20/2016	9/20/2016	9/20/2016											
2012	7	7/26/2012	6/29/2012	8/25/2011	8/26/2011	9/20/2016	9/20/2016	9/20/2016											
2012	8	8/30/2012	7/27/2012	8/25/2011	8/26/2011	9/20/2016	9/20/2016	9/20/2016											

REPORTS & METRICS:
REPORTING COMPLIANCE

This report displays results of quarterly PARCA Reporting Compliance and Data Quality reviews in a grid form.

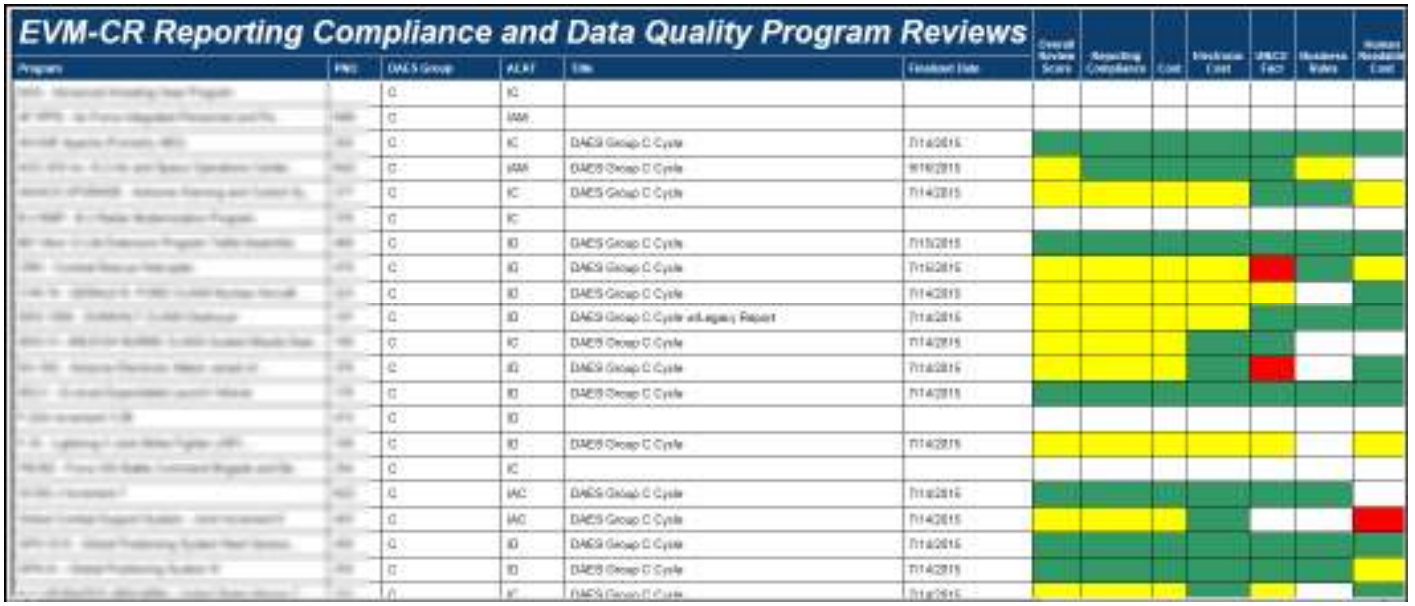
EVM-CR Reporting Compliance and Data Quality Program Reviews Report

Program Filters

Service: All Military Handbook: All Generate Report

DAES Group: All ACAT: All Contractor: Clear Report and Filters

Enter search criteria and click here to run report



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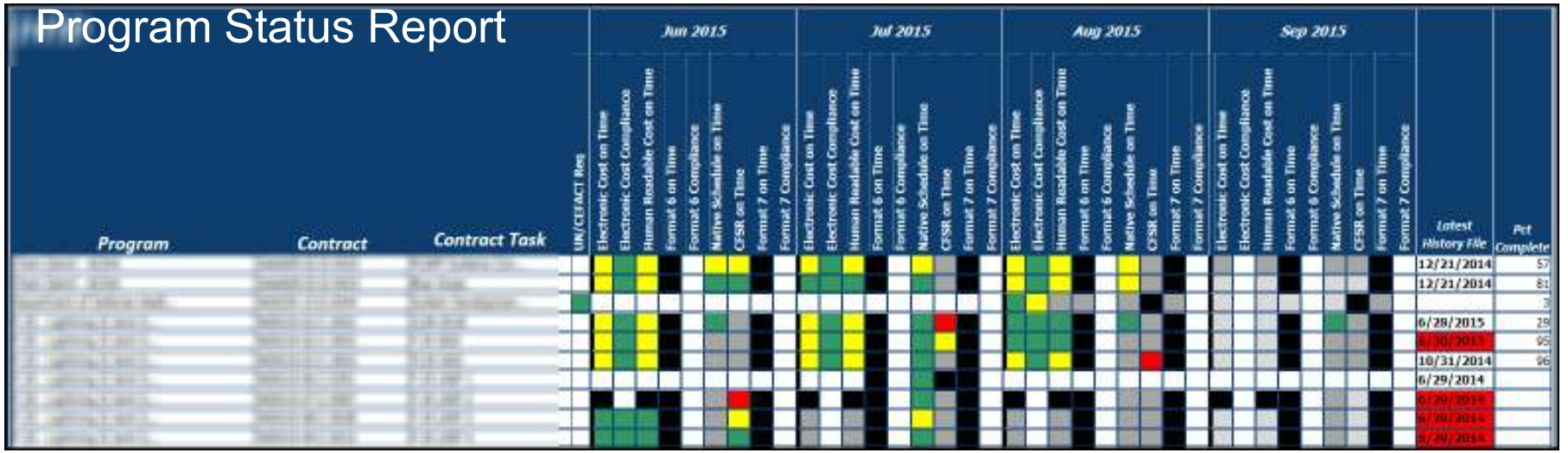
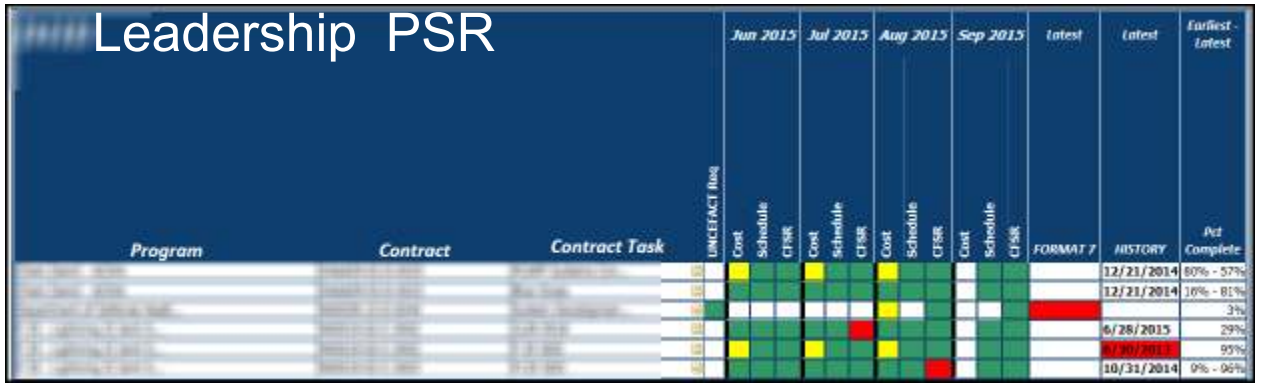
REPORTS & METRICS:
PROGRAM STATUS REPORT

The Program Status Report provides detailed information on reporting compliance. The Leadership PSR provides a rollup view for each contract task by report types (Cost, Schedule, CFSR).





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REPORTS & METRICS:
FORMATS DELIVERED

This report displays formats delivered vs. formats required by contract task.

EVM-CR Format Reporting Performance

Program	Contract Number	Contract Task	Effort Number	Fmt 1	Fmt 2	Fmt 3	Fmt 4	Fmt 6	Fmt 7	Electronic Cost
[redacted]										
[redacted]										
[redacted]										
[redacted]										
[redacted]										
[redacted]										
[redacted]										
[redacted]										
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[redacted]										
[redacted]										

Legend	
Color	Format Requirement/Delivery Status
	Required & Delivered
	Not Required, but Delivered
	Required & Not Delivered
	Not Required & Not Delivered
* IPMR requirements imply UN/CEFACT	

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REPORTS & METRICS:
PACKAGED SUBMISSION DOCUMENTS

When you generate a TRN package (slide 26) or request the help desk to package documents for you, you will receive an email that will point you to the location to retrieve the data package.
Click ➡ to download.

Packages

Package	Description	Status	Created	Created By	File Count	Size	Zipped	Message	Download
[redacted]	[redacted]	New		jhorner		0 KB	0 KB		➡

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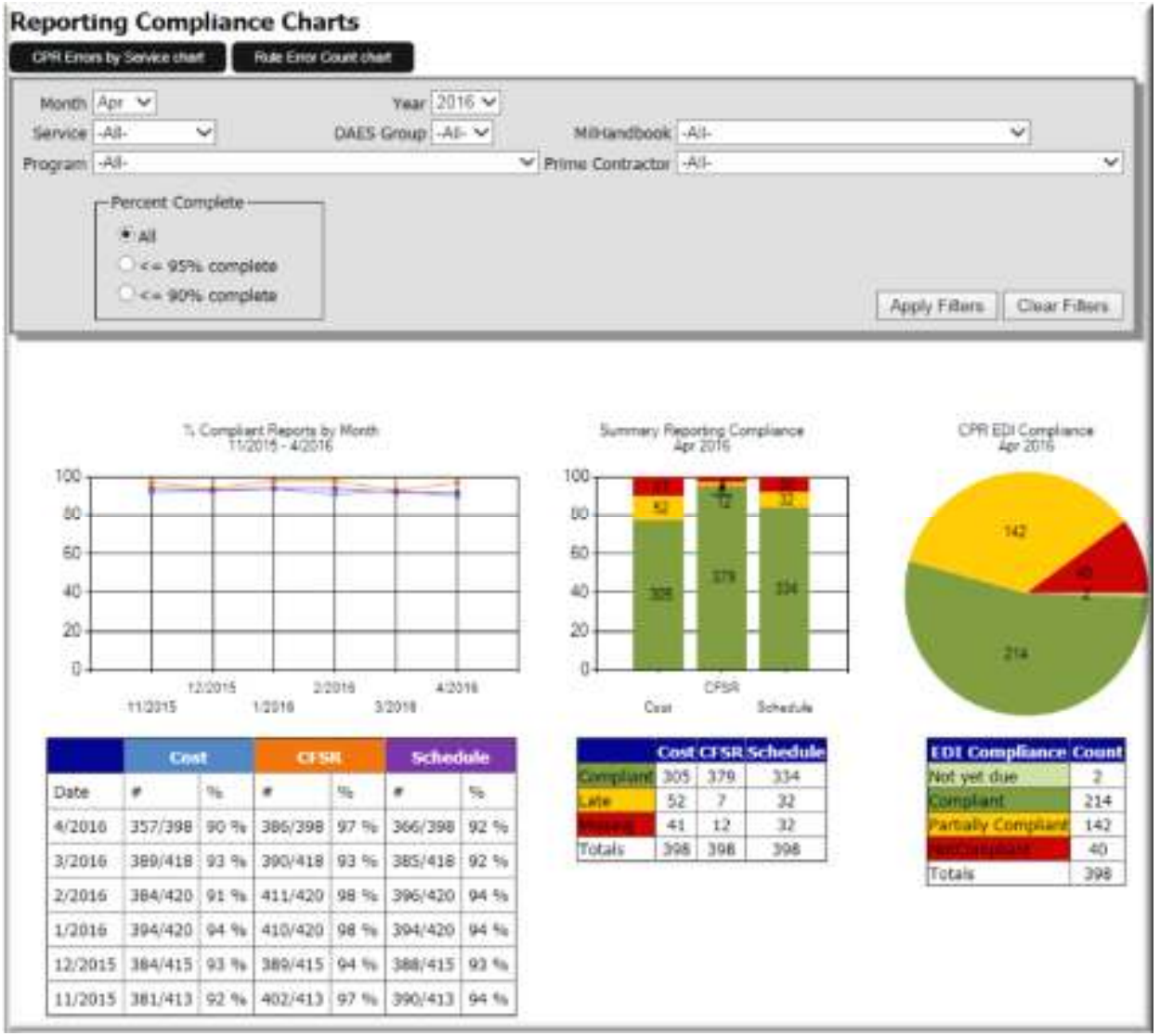
REPORTS & METRICS:
DASHBOARD-REPORTING COMPLIANCE

The Dashboard provides a high level view of Reporting Compliance and Data Quality.

- The Reporting Compliance Charts provide a visual representation of missing reports as well as those received on-time or late.
- The filters can be used to update the chart views as desired.



REPORTS & METRICS:
DASHBOARD-CPR ERRORS BY SERVICE

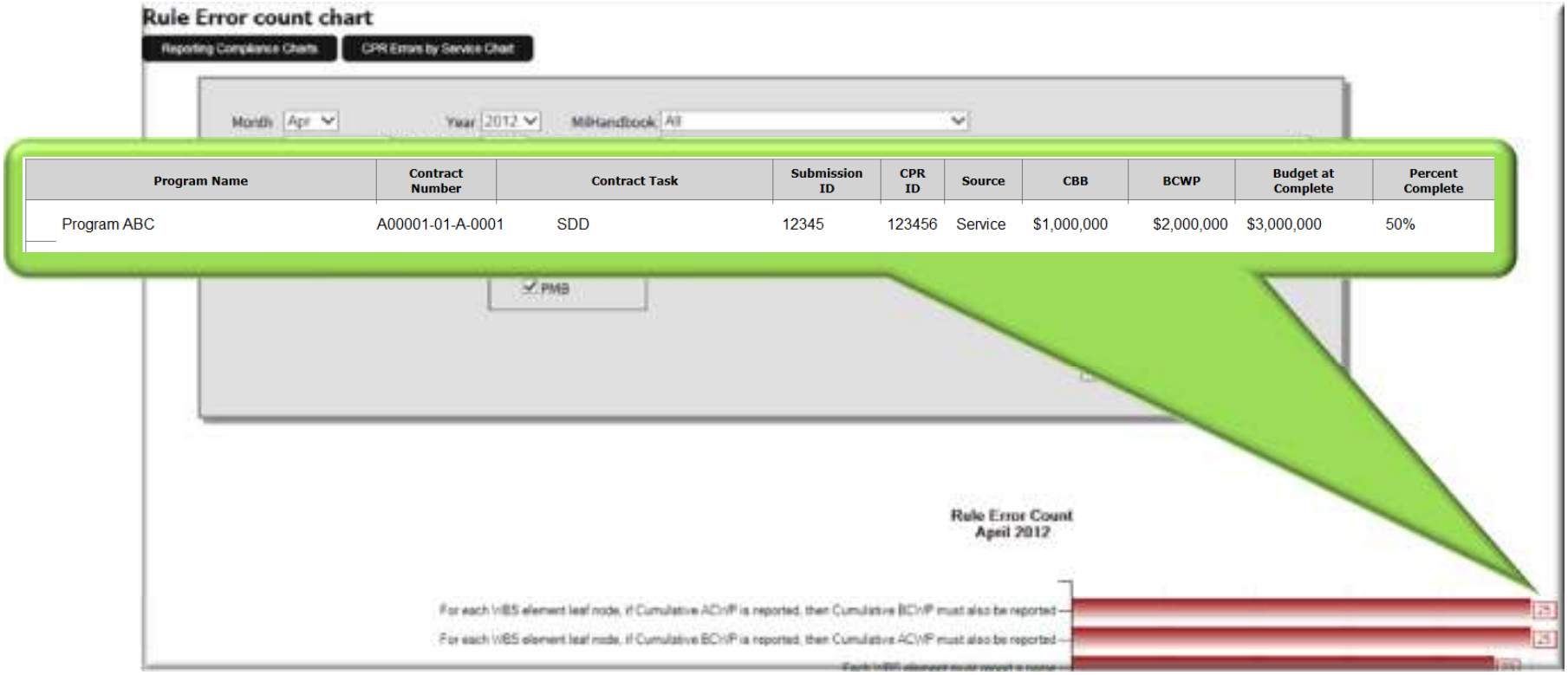
The CPR Errors report provides a consolidated report of errors from the Electronic Cost Reports delivered to the EVM-CR.

- Information is displayed in a stacked bar chart with counts by error category (Consistency, DAMIR, Header, PMB)
- Charts can be filtered as required

REPORTS & METRICS:
DASHBOARD-RULE ERROR COUNT

The Rule Error Count chart provides a detailed count of specific errors on Electronic Cost files received to the EVM-CR.

- User can click on a given error message and detailed information about the submissions contributing to the error will be displayed below.
- Various options to filter as desired are available



Program Name	Contract Number	Contract Task	Submission ID	CPR ID	Source	CBB	BCWP	Budget at Complete	Percent Complete
Program ABC	A00001-01-A-0001	SDD	12345	123456	Service	$1,000,000	$2,000,000	$3,000,000	50%

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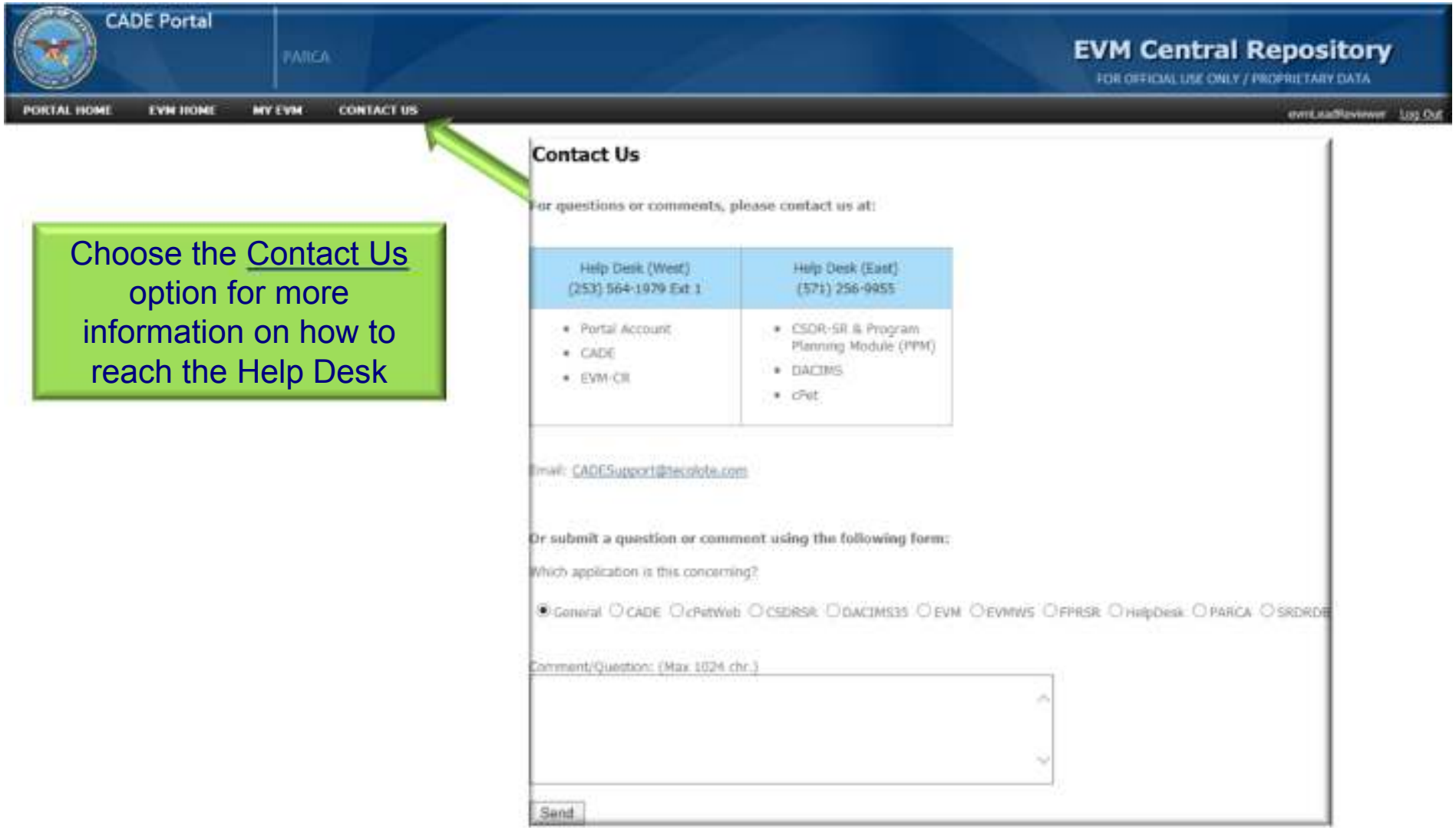
CONTACT US: HELP DESK



Choose the Contact Us option for more information on how to reach the Help Desk