



PARS - Update

Matthew "Zac" West

PARS Team Lead

DOE HQ – Office of Project Management



Project Assessment and Reporting System

- Meet the PARS team – Dedicated federal and contractor team to operate, maintain and improve PARS for all users
- What's new or under development...
 - Extractor update
 - Improved tools for self-governance
 - New workflow for recommendations
- What's under consideration...



Project Assessment and Reporting System Team

- Federal Team Leads:
 - Matthew “Zac” West
 - Garrett Richardson
- Contractor:
 - Task Lead – Mark Sinichko
 - Technical Team Lead – Marc Cree
 - SharePoint Administrator – Craig Haseler
 - Development and Coding – Ray Novicio
 - Development and Coding – Wilson Mann
 - User Administration, Development, and Testing – Steve Ducharme



Current Development Efforts

Extractor Update

- Technology Update : From Access 2003 to currently supported software
- Intuitive Navigation : Drop downs to simplify process
- Agile Development
- User can configure to extract and report ...
 - cost data to control account level consistent with current extractor or
 - detailed cost data to support project control analytics

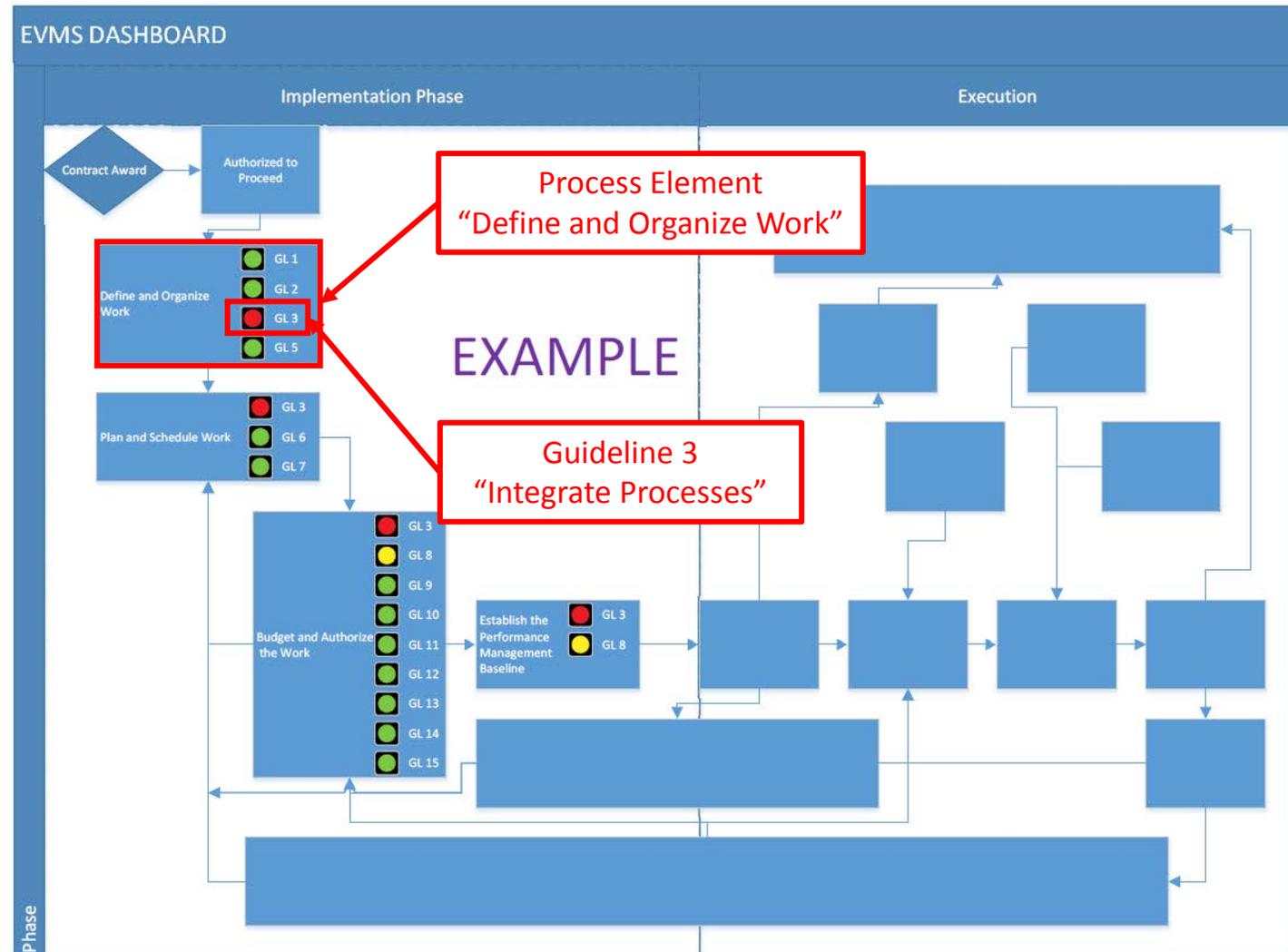
Project Controls Analytics

- Memorandum of Agreement must be in place
- Provides additional analytics for project performance and EVMS compliance



Project Controls – Top Level Dashboard (Early Conceptual)

- Top level dashboard aligned with NDIA EVMS EIA-748-C Intent Guide
- 32 guidelines organized into process elements aligned with implementation and execution phases of a project
- Conceptually, users drill down into specific process elements or guidelines





Project Controls – Guideline Dashboard (Early Conceptual)

Project XYZ Process Element – Define and Organize Work Guideline 3 – Integrate Processes

Test	Type	Thres	Freq	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
3.1 Verify physical % complete aligns ...	A	> 5%	M	2%	3%	3%									
3.2 Verify forecast start and/or actual ...	A	0%	M	0%	0%	2%									
3.3 Verify forecast finish and/or actual ...	A	0%	M	0%	0%	0%									
3.4 Verify baseline quantities, start and ...	A	> 5%	M	11%	13%	9%									
3.5 Verify the RAM ...	M	0%	M	0%	0%	0%									
3.X ...	M	0%	M	0%	0%	0%									

Drill further into the data:
What makes up the 2%?



Project Controls – Test Results Dashboard (Early Conceptual)

Project XYZ

Process Element – Define and Organize Work
Guideline 3 – Integrate Processes

Test - 3.2 Verify Forecast Start and/or Actual Start – March 2018

Navigation
Top Level
Guideline
Prior Test
Next Test

Filter By
WBS Type
CAM Name
Pass/Flag
... Other

Threshold	Result	X Value	Y Value
> 0 %	2%	6	300

Type	CP_WBS	CAM Name	IMS_WBS	CP_FA_START_FYPER	CP_FA_END_FYPER	IMS_FA_START_FYPER	IMS_FA_END_FYPER	CNT	COMPARE
CA	01.01.01.01		01.01.01.01	201611	202001	201612	202001	1	1
CA	01						201807	1	0
CA	01						201706	1	1
CA	01						201809	1	1
CA	01						201904	1	0
CA	01						201710	1	1
CA	01						201706	1	1
CA	01						201905	1	0
CA	01						201912	1	0
CA	01						201911	1	0
CA	01.01.03.04		01.01.03.04	201711	202002	201711	202002	1	0
CA	01.01.04.04	M MYATT	01.01.04.04	201611	201707	201612	201706	1	1

1. Summary and Detailed Results – What passed? What flagged?
2. Interrogate the data
 - a. Filter by Type, CAM Name, Pass/Fail, other criteria
 - b. Export results (xlsx, csv, pdf, ppt, etc.) or screen capture
 - c. Navigate back to Top Level Dashboard, Guideline Dashboard, Prior Test, Next Test



PARS Recommendation Workflow

- Process to recommend enhancements or functionality changes for PARS
- Established a configuration control board for PARS
- Available now
- On MAX
- Provides current status to recommender
- Demo Tool



PARS Recommendation Workflow

MAX Federal Community with NON-FEDERAL Partners

Home Find Help Contact Us Search The MAX Community All Welcome Matthew

Edited By John Makepeace(DOE) on Jan 17, 2018 at 11:24 AM Edit Add Favorites Share Watchers (11 of 11) Actions

PERMISSIONS COLLABORATION SPECIFIC Dashboard Dept of E Home PM-MAX (44)



413 Resource Center Reviews & Metrics PARS & Earned Value Management Training & Certification Workshops & Awards About PM U.S. DEPARTMENT OF ENERGY

Topics	Quick Links
<ul style="list-style-type: none">About Earned Value Management (EVM)EVM TrainingAbout PARSPARS Training	<ul style="list-style-type: none">PARS LoginRequest New PARS AccountPARS Change RequestsContact PARS Support

Project Management. **Managing Uncertainty.**

2018 DOE Project Management Workshop

Search content on PM-MAX:

 Search

 Team Collaborations



PARS Recommendation Workflow

OMB MAX - Yahoo Search x MAX.gov Home Page x PM-PARS-WF Change Re x

Secure | https://community.max.gov/display/DOE/PM-PARS-WF+Change+Request+Workflow

Apps Phone Synology DiskStation Smart Card API - C#

change PARS Change Request (CR) Workflow **NIS** U.S. DEPARTMENT OF ENERGY

Active Change Requests Archived Change Requests **Create New Change Request** Help

Active Change Requests

Click on any change request title to view details and history. Please see *Archived Change Requests* for completed or canceled CRs.

Under Review	Approved For Implementation
Awaiting Initial Review (showing 0 of 0 results)	In Prioritization & Planning (showing 0 of 0 results)
Awaiting Time & Cost Estimates 2017-11-17 UPF Program Level Reports (showing 1 of 1 results)	In Development & Testing (showing 0 of 0 results)
Awaiting PARS PMO Action (showing 0 of 0 results)	In Training & Deployment (showing 0 of 0 results)
Awaiting CCB Review (showing 0 of 0 results)	

Search content on PM-MAX: Search

- Team Collaborations
- Browse the PM Library
- Browse the FPD Directory
- Questions or Comments?

esaab
ENERGY SYSTEMS ACQUISITION ADVISORY BOARD

PMRC
PROJECT MANAGEMENT RISK COMMITTEE

PM STAFF ONLY



PARS Recommendation Workflow

OMB MAX - Yahoo Search | MAX.gov Home Page | PM-PARS-WF Create Change Request

Secure | https://community.max.gov/display/DOE/PM-PARS-WF+Create+Change+Request

Apps | Phone | Synology DiskStation | Smart Card API - C#



PARS Change Request (CR) Workflow



Active Change Requests | Archived Change Requests | Create New Change Request | Help

Create New Change Request

STEP 1: Click here to download a blank CR form to your workstation.

STEP 2: Fill out the downloaded form, providing all requested information.

STEP 3: Create a new change request package, attach the completed CR form, and press "Send to "Initial Review."

YYYY-MM-DD, Short Descriptive Title of Change Request

Example: 2018-04-17, Need Additional Line for Data Entry on Revised Budget Screen

OPTIONAL: If you created a change request package, but you haven't yet completed the submission process you may click on your draft package below.

Not Yet In Workflow

CRs Being Prepared

(showing 0 of 0 results)

Search content on PM-MAX:

Team Collaborations

Browse the PM Library

Browse the FPD Directory

Questions or Comments?



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PARS Recommendation Workflow

PARS Change Request (PARS CR) Form

Submitter's Information:			
Name:	Click here to enter text.	Date/Time:	Click here to enter a date.
Title:	Click here to enter text.	Phone Number:	Click here to enter text.
Organization:	Click here to enter text.	Email:	Click here to enter text.
PARS System Request: After completing submitter information – right click on the CR Number Field and Update Field!			
CR Number#:	Click here to enter a date.–Click here to enter text.		
REQUIREMENT TYPE:	Repair/Issue Request: <input type="checkbox"/>	-or-	Enhancement: <input type="checkbox"/>
	<i>(A functionality that is present in the requirements, but not implemented or not working as per the requirements.)</i>		<i>(A new or different functionality that is not present in the system.)</i>
PRIORITY:	1 - Prevents the accomplishment of an essential system capability		
<i>Select the appropriate initial priority from the drop-down.</i>	<ol style="list-style-type: none"> 1. Problem or Lack of Enhancement Prevents the accomplishment of an essential system capability. 2. Problem or Lack of Enhancement Adversely affects the accomplishment of an essential system capability, but a feasible work-around solution is not known. 3. Problem or Lack of Enhancement Adversely affects the accomplishment of an essential system capability, but a feasible work-around solution is known. 4. Results in user inconvenience or annoyance, but does not affect an essential system capability. 		
DESCRIPTION OF REQUIREMENT OR ISSUE:			
A. Provide a short, descriptive title.			
Click here to enter text.			
B. Narrative describing details of a problem or requested enhancement. <i>(Should be a problem statement, i.e., what the user can't do, or what isn't working properly. For Enhancement – list the intended benefit.)</i>			
Click here to enter text.			
C. Where in system is the problem seen or where is the new functionality required? <i>(e.g., which module, screen, report, or document). Screenshots are helpful (as separate attachments).</i>			
Click here to enter text.			
D. If a problem, describe the steps necessary for a tester to recreate the problem.			
Click here to enter text.			
E. (Optional) Narrative describing how the submitter suggests the issue <i>might</i> be resolved. <i>(Multiple solutions may be proposed.)</i>			
Click here to enter text.			
PROCESSING INFORMATION:			
Submission Instructions:		CR Tracking Information:	
1. Save this file to your workstation.		CR Review Status:	Choose an item.
2. Open the file you have saved in Microsoft Word.		CCB Decision Date:	Enter Date.
3. Fill out the form.		CR Approval Status:	Click here to enter text.
4. Save the form using "Save As" and give it unique name.		Estimated Time:	Click here to enter text.
5. Upload form into PM-MAX.		Estimated Cost:	Click here to enter text.
PARS Requirement Form (version: February 13, 2018)			



PARS What's Next

- Work with CloudEVM to provide output file to PARS
- Develop new PARS courses for basic and advanced level analytics
- PM Roadside Assist Visits to include PARS training and support
- Assist with generating EV review documentation
- Capture manual results from EVMS Reviews
- Support DOE/NNSA programs with additional requested analytics

- What do you want to add to the list????



Questions? User Experience + Requirements

What are we doing right?

PM Office of
Project Management



What can we do better?