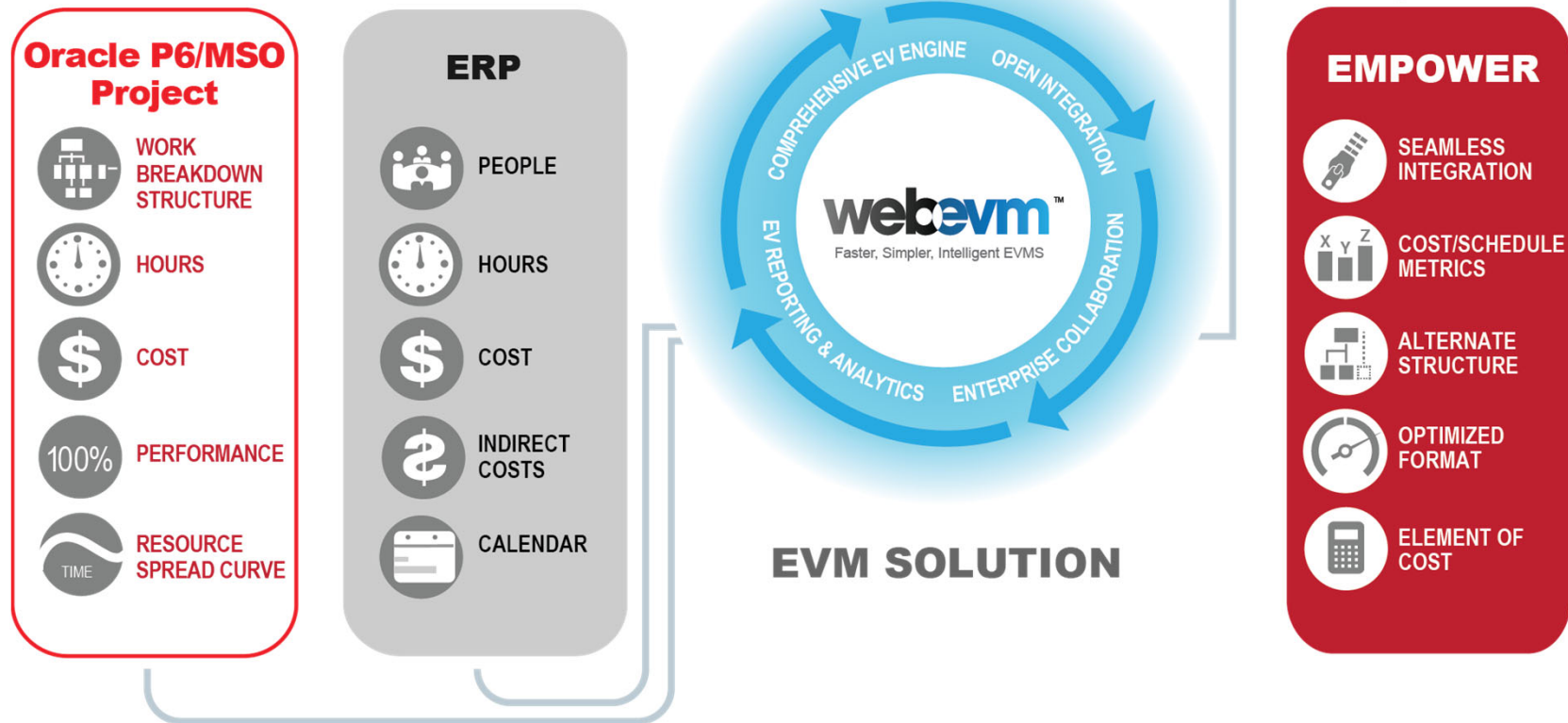




webevmTM
Faster, Simpler, Intelligent EVMS

How WebEVM Works





WebEVM Features

- Enterprise Scalability
- Seamless P6/MSO Project Integration
 - WBS
 - Alternate Structures
 - Time Phased Resource Information
 - Project Status
- Rates and Summarizes Enterprise Data in Minutes
- Automate any of WebEVM's Functionality



WebEVM Features

- Change Management Automates Baseline Compares and CBB Log Generation
- Maintains Accurate Historical Cost Information for Retroactive Changes
- EAC Approval Process provides standard Metrics for measuring ETC/EAC's.
- Security
 - Role Based
 - Supports SAML Single Sign On
 - Project Level Security



Get more data into Empower with the Optimized Interface

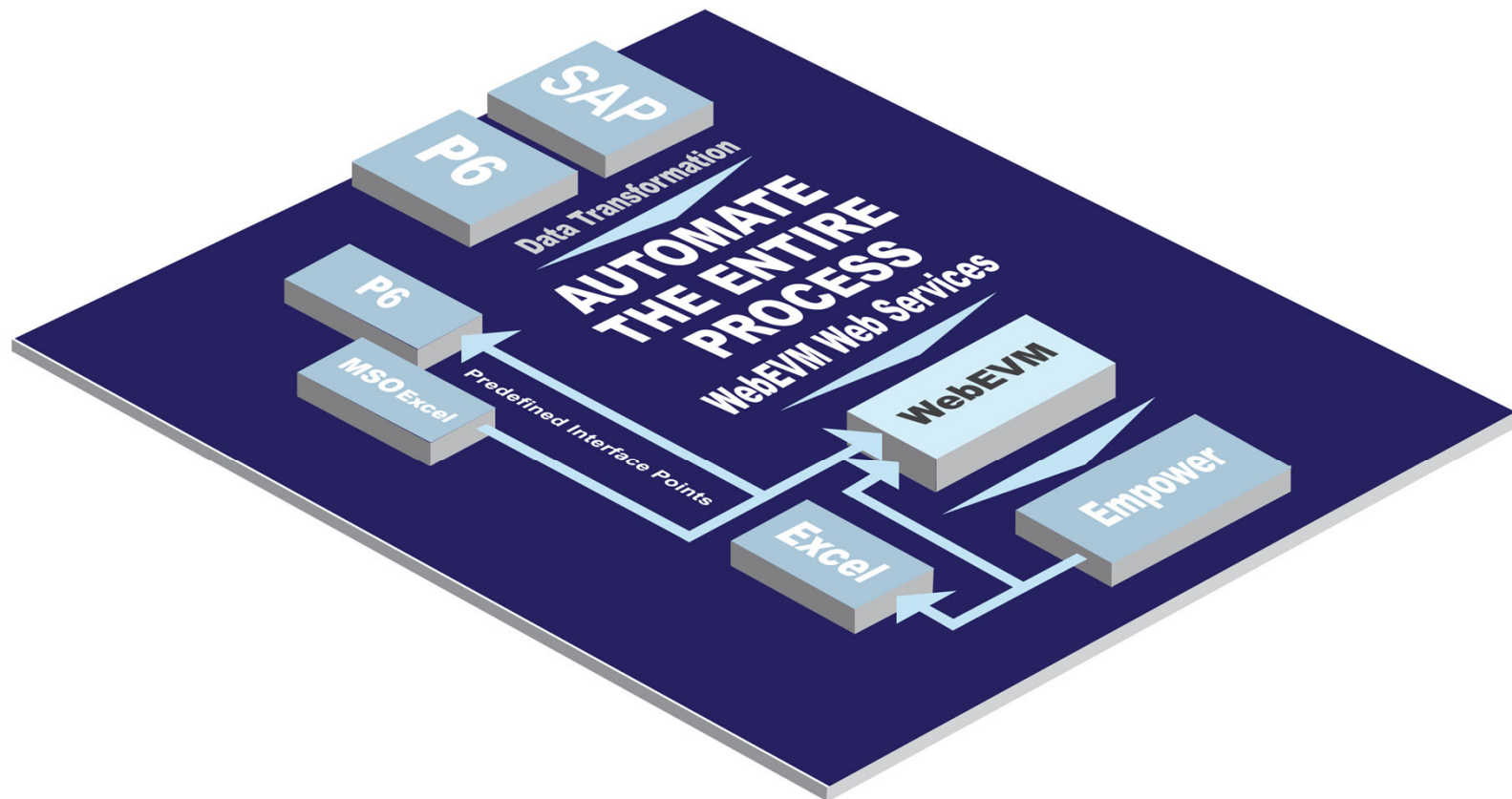
- Optimized interface between WebEVM and Empower transfers data in minutes
- Data at Control Account, Work Package/Planning Package, or selectable WBS Level
- Data by Element of Cost for more detailed analysis
- Alternate structures from WebEVM into Empower



Get more data into Empower with the Optimized Interface

- Schedule information from P6/MSO Project through WebEVM into Empower for the DoD DECM and DOE LOI Data Driven Analytics.
- DOE JSON will be available to support DOE going live in 2023.
- WebEVM User Defined fields for sorting and selecting in Empower.
- Using WebEVM Web Services automatically send data to Empower for uploading and processing.
- Using WebEVM Web Services Empower can Download Time Phased Estimate to Complete costs to Excel based on the selected Control Account or Work Package in Empower. The modified file can be uploaded to WebEVM via an Empower WebEVM Upload menu.

Automating the Enterprise



WebEVM Enterprise Automation

Schedule Imports & Processing

Source Type	Category	Mapping	Source	Day of Period	Time	Pause	Next Run Date
PS	Baseline	PS Baseline	PlanExpCordova	Setup	20 -	2:15PM	8/28/2022
PS	Forecast	PS Forecast	PlanExpCordova	Setup	20 -	2:15PM	8/28/2022
ExcelCSV	Actual	Import Actual Cost	Project Actual Cost.csv	Setup	20 -	2:15PM	8/28/2022
PS	Performance	PS Performance	PlanExpCordova	Setup	20 -	2:15PM	8/28/2022

Provides Status & Error Reporting

Project	Category	Source	Mapping	Last Run	Next Run	Run Now
Automation Update	Baseline	PS	PS Baseline	7/28/2022 2:15 PM	8/28/2022 2:15 PM	Run Now
Automation Update	Forecast	PS	PS Forecast	7/28/2022 2:15 PM	8/28/2022 2:15 PM	Run Now
Automation Update	Performance	PS	PS Performance	7/28/2022 2:15 PM	8/28/2022 2:15 PM	Run Now
Automation Update	Actual	ExcelCSV	Import Actual Cost	7/28/2022 2:15 PM	8/28/2022 2:15 PM	Run Now

Import Errors

Import Name	Time
Import Actual Cost	7/28/2022 2:15 PM

Error - System Error: Error reading excel file: 'Project Actual Cost.csv'

WebEVM Change Management

Compare Approved Baseline to Current Baseline

Baseline Compare

Enterprise: Technology
Active Project: Change Management

Display Mode: Budget Changes

WBS	OBS	Resource	Baseline	Pending	Delta	Baseline Hours	Pending Hours	Delta Hours	Change	Approval
BCR001			336.00	0.00	-336.00	0.00	0.00	0.00	0.00	In Process
Conv FieldOps Install MN1730	21	Fabrication	336.00	0.00	-336.00	0.00	0.00	0.00	Modified Budget Modified Attributes	
BCR004			176.38	0.00	-176.38	67.32	0.00	-67.32		Submit
Conv FieldOps Install MN2310	23	FieldEng	176.38	0.00	-176.38	67.32	0.00	-67.32	Modified Budget Modified Attributes	
BCR005			793.70	54,208.00	53,414.30	15.15	0.00	-15.15		Submit
Bldg Des/Eng MN1070	22	TSul	0.00	54,208.00	54,208.00				Added Modified Budget Modified Attributes	
Bldg Des/Eng MN1070	20	Des/Eng	793.70	0.00	-793.70	15.15	0.00	-15.15	Modified Budget Modified Attributes	
Undefined Plant/Equip/Contra-BLC			567,918.02	559,709.96	-8,208.06	27,351.32	27,351.64	600.32		Submit

MR Reserve: -835 | UB Undistributed: 0

Welcome: Mark Tillema
Status Date: Period 4, 2022 (4/30/2022)

Approve & Commit Changes or Reject Changes

Commit Changes

Enterprise: Technology
Active Project: Change Management

Change Code: BCR004 | Period: Period 4, 2022

Description*	Justification	Budget	Attachments	Comment
Change Code:WBS	Fund	Current	Pending	Delta
Change Management		176.38	0.00	-176.38
Conv	MR Reserve	176.38	0.00	-176.38
Conv FieldOps		176.38	0.00	-176.38
Conv FieldOps Install		176.38	0.00	-176.38
Conv FieldOps Install		176.38	0.00	-176.38

Level	User-Group	State
1	Executive Management	
1	demilary@decisionedge.com	
1	mllema@ngconcepts.com	
1	mllema@ngconcepts.com	
2	Program Manager	
2	mllema@ngconcepts.com	
2	mlylu@ngconcepts.com	
2	mllema@ngconcepts.com	
3	Project Manager	
3	oweb@ngconcepts.com	
3	mllema@ngconcepts.com	
3	ltdapp@ngconcepts.com	
3	mllema@ngconcepts.com	
3	plapp@ngconcepts.com	
3	mllema@ngconcepts.com	
4	saag@ngconcepts.com	
4	mllema@ngconcepts.com	
5	EVM Analyst	
5	asag@ngconcepts.com	
5	mllema@ngconcepts.com	
5	wlapp@ngconcepts.com	
5	mllema@ngconcepts.com	
5	oweb@ngconcepts.com	
6	mllema@ngconcepts.com	

Year	Source	Activity	Totals	
Period			Hours	Total Cost
3			Hours	Total Cost
	Baseline	Conv FieldOps I...	67.32	176.38
	BCR004		0.00	0.00
	Delta		-67.32	-176.38
	Total Baseline		67.32	176.38
	Total BCR004		0.00	0.00
	Total Delta		-67.32	-176.38

WebEVM EAC Approval

Compare Current EAC to Approved EAC

Establish EAC Metrics

Approve or Reject EAC Changes

The screenshot illustrates the WebEVM EAC Approval process through three sequential browser windows:

- EAC Metric Setup:** Shows a configuration page for EAC metrics. A table lists various metrics such as 'CPI vs TCPI', 'Labor vs FPR Run Rate', and 'EAC Change Greater Than ETC'. Each metric has a 'Used' checkbox and a description of the threshold.
- EAC Compare:** Displays a comparison table between current and approved EAC values. The table includes columns for Manager, Work Package, Status, Forecast, Pending Forecast, Delta, EAC, Pending EAC, EAC Delta, Actual, and BCWR.
- EAC Approval:** Shows the final approval screen with a table of EAC indicators and a justification text area. The justification text reads: "The actual rate \$14,085.85ch differs from then estimated rate \$95,32hr by more than \$10.00hr".

Manager	Select	Work Package	Status	Req. Justification	How Justification	Forecast	Pending Forecast	Delta	EAC	Pending EAC	EAC Delta	Actual	BCWR
A. Ambrose	<input type="checkbox"/>	Group A. Ambrose	Approved	<input type="checkbox"/>	<input type="checkbox"/>	\$110,002.50	\$110,002.50	\$0.00					
A. Ambrose	<input type="checkbox"/>	Cons FedOps Onsite/Test	In Process	<input type="checkbox"/>	<input type="checkbox"/>	\$6,503.70	\$6,503.70	\$0.00					
A. Ambrose	<input type="checkbox"/>	Cons SysCntrlg	Not Assigned	<input type="checkbox"/>	<input type="checkbox"/>	\$42,917.35	\$42,917.35	\$0.00					
J. Smith	<input checked="" type="checkbox"/>	Group J. Smith	Not Assigned	<input type="checkbox"/>	<input type="checkbox"/>	\$115,909.70	\$115,909.70	\$0.00					
J. Smith	<input checked="" type="checkbox"/>	Auto Defnng	Not Assigned	<input type="checkbox"/>	<input type="checkbox"/>	\$4,207.50	\$4,207.50	\$0.00					
J. Smith	<input checked="" type="checkbox"/>	Auto Defnng RobotC8	Not Assigned	<input type="checkbox"/>	<input type="checkbox"/>	\$45,698.61	\$45,698.61	\$0.00					
J. Smith	<input checked="" type="checkbox"/>	Auto Defnng SysCntrlg	Not Assigned	<input type="checkbox"/>	<input type="checkbox"/>	\$25,254.62	\$25,254.62	\$0.00					
J. Smith	<input checked="" type="checkbox"/>	Auto Defnng SystemMgmt	Not Assigned	<input type="checkbox"/>	<input type="checkbox"/>	\$37,798.13	\$37,798.13	\$0.00					
J. Smith	<input checked="" type="checkbox"/>	Auto Train Manual	In Process	<input type="checkbox"/>	<input type="checkbox"/>	\$25,189.11	\$25,189.11	\$0.00					
P. Schwaben	<input type="checkbox"/>	Group P. Schwaben	In Progress	<input type="checkbox"/>	<input type="checkbox"/>	\$6,503.70	\$6,503.70	\$0.00					
S. Braxton	<input type="checkbox"/>	Group S. Braxton	In Progress	<input type="checkbox"/>	<input type="checkbox"/>	\$171,302.50	\$171,302.50	\$0.00					
S. Braxton	<input type="checkbox"/>	Big Defnng	In Progress	<input type="checkbox"/>	<input type="checkbox"/>	\$4,207.50	\$4,207.50	\$0.00					
S. Braxton	<input type="checkbox"/>	Big Defnng	In Progress	<input type="checkbox"/>	<input type="checkbox"/>	\$45,698.61	\$45,698.61	\$0.00					
S. Braxton	<input type="checkbox"/>	Big Defnng	In Progress	<input type="checkbox"/>	<input type="checkbox"/>	\$45,246.30	\$45,246.30	\$0.00					
S. Braxton	<input type="checkbox"/>	Big Defnng	In Progress	<input type="checkbox"/>	<input type="checkbox"/>	\$10,000.00	\$10,000.00	\$0.00					
S. Braxton	<input type="checkbox"/>	Big Defnng	In Progress	<input type="checkbox"/>	<input type="checkbox"/>	\$171,302.50	\$171,302.50	\$0.00					
S. Braxton	<input type="checkbox"/>	Big Defnng	In Progress	<input type="checkbox"/>	<input type="checkbox"/>	\$4,207.50	\$4,207.50	\$0.00					
S. Braxton	<input type="checkbox"/>	Big Defnng	In Progress	<input type="checkbox"/>	<input type="checkbox"/>	\$45,698.61	\$45,698.61	\$0.00					
S. Braxton	<input type="checkbox"/>	Big Defnng	In Progress	<input type="checkbox"/>	<input type="checkbox"/>	\$45,246.30	\$45,246.30	\$0.00					
S. Braxton	<input type="checkbox"/>	Big Defnng	In Progress	<input type="checkbox"/>	<input type="checkbox"/>	\$10,000.00	\$10,000.00	\$0.00					
S. Braxton	<input type="checkbox"/>	Big Defnng	In Progress	<input type="checkbox"/>	<input type="checkbox"/>	\$171,302.50	\$171,302.50	\$0.00					
S. Braxton	<input type="checkbox"/>	Big Defnng	In Progress	<input type="checkbox"/>	<input type="checkbox"/>	\$4,207.50	\$4,207.50	\$0.00					

Establish EAC Metrics



Enterprise: David3 (Oracle)
Active Project: 20Jan2022BDM02EACFCOG - EAC Test

EAC Metric Setup

Metric Template:

Used	Justification Required	Description								
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CPI vs TCPI		CPI differs from TCPI by more than 0.900 and task is between 0.50 and 95.00%						
		CPI vs TCPI	0.900	Minimum %	0.50%	Maximum %	95.00%			
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Labor Last Month Forecast vs ...		Labor forecast for any labor resource for last month differed by more than 100.00 hours from what was planned for that resource						
		Hours	100.00							
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Actual vs FPR Run Rate		Actual Direct Labor rate differs from Forward pricing rate for any labor resource by more than \$101.00/hr.						
		Dollars	\$101.00							
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cost Last Month Forecast vs A...		Material forecast for any material resource for last month differed by more than threshold (Development \$4,720.00 and 339.00%, Prod \$5,300.00 and 381.00%)						
		Development \$	\$4,720.00	Development %	339.00%	Production \$	\$5,300.00	Production %	381.00%	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Commitments Greater Than ETC		Commitments are larger than ETC \$ by more than \$1,000.00						
		Dollars	\$1,000.00							
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EAC Date Changes		The ETC spread has moved out of or in to a new period						
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Budget Date Changes		A BCR has been applied						
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Actuals After 100% Complete		Actuals have changed after task is 100% complete						
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	No ETC But Not Complete		No ETC but not complete						
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BCWP or Actuals Missing		Last Month EV Performance with no Actuals (or Actuals without EV Performance)						
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mfg. Differ from SAP		Prod Only: EAC change of more than 5.00%						
		Percent	5.00%							
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EAC Changed		Month to Month EAC Change Greater Than Program Threshold (Currently \$25,000.00 for Development Content and \$64,000.00 for Production Content)						
		Development \$	\$25,000.00	Production \$	\$64,000.00					
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Correction To Actuals		A Correction to Actuals (ACWP) was made						
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ETC Changed		A change was made to the ETC						

Compare Current EAC to Approved EAC



Enterprise: David3 (Oracle)
Active Project: 20Jan2022BDM02EACFCOG - EAC Test

EAC Compare

Welcome: Kim
Status Date: Period 2, 2021 (2/28/2021)

Group By: WAD CAID

Select	Work Package	Status	CPI vs TCPI	Labor Last Month Forecast vs Actual	Actual vs FPR Run Rate	Cost Last Month Forecast vs Actual	Commitments Greater Than ETC	EAC Date Changes	Budget Date Changes	Actuals After 100% Complete	No ETC But Not Complete	BCWP or Actuals Missing	Mfg. Differ from SAP	EAC Changed	Correction To Actuals	E
<input type="checkbox"/>	Bldg.ExtFinish.Roof	Approved	●	●	●	●	●	●	●	●	●	●	●	●	●	
<input type="checkbox"/>	Bldg.Found	Approved	●	●	●	●	●	●	●	●	●	●	●	●	●	
<input type="checkbox"/>	Bldg.IntFinish.Carp	Rejected	●	●	●	●	●	●	●	●	●	●	●	●	●	
<input type="checkbox"/>	Bldg.IntFinish.Floor	Profile Cha...	●	●	●	●	●	●	●	●	●	●	●	●	●	
<input type="checkbox"/>	Bldg.IntFinish.InteriorMilestones	Approved	●	●	●	●	●	●	●	●	●	●	●	●	●	
<input type="checkbox"/>	Bldg.IntFinish.Plumb	Approved	●	●	●	●	●	●	●	●	●	●	●	●	●	
<input type="checkbox"/>	Bldg.MechSys.Elev	Approved	●	●	●	●	●	●	●	●	●	●	●	●	●	
<input type="checkbox"/>	Bldg.MechSys.HVAC	Profile Cha...	●	●	●	●	●	●	●	●	●	●	●	●	●	
<input type="checkbox"/>	Bldg.MechSys.Plumb	Not Assigned	●	●	●	●	●	●	●	●	●	●	●	●	●	
<input type="checkbox"/>	Bldg.Struct	Not Assigned	●	●	●	●	●	●	●	●	●	●	●	●	●	
<input type="checkbox"/>	Conv.FieldOps.Install	Not Assigned	●	●	●	●	●	●	●	●	●	●	●	●	●	
<input type="checkbox"/>	Conv.FieldOps.OnsiteTest	Not Assigned	●	●	●	●	●	●	●	●	●	●	●	●	●	
<input type="checkbox"/>	PMO.ProjSupt	Not Assigned	●	●	●	●	●	●	●	●	●	●	●	●	●	

Export To Excel

Save Submit

Justification:

↩ ↪ ...

EAC Indicator Description:

Actual vs FPR Run Rate

The Actual rate \$157.83/hr differs from then estimated rate \$500.45/hr by more than \$10.00/hr.

- * EAC Date Changes

Time-Shifted.

- * EAC Changed

Approver:

Level	User/Group	State
No data found		

Approve Reject EAC

EAC Approval

Group By:

Select	Control Account	Status	CPI vs TCPI	Labor Last Month Forecast vs Actual	Actual vs FPR Run Rate	Cost Last Month Forecast vs Actual	Commitments Greater Than ETC	EAC Date Changes	Budget Date Changes	Actuals After 100% Complete	No ETC But Not Complete	BCWP or Actuals Missing	Mfg. Differ from SAP	EAC Changed	Correction To Actuals	ETC
<input type="checkbox"/>	Group:															
<input checked="" type="checkbox"/>	PMO.ProjSupt	In Process	●	●	●	●	●	●	●	●	●	●	●	●	●	

Export To Excel Approve Reject

Justification | All Justifications

← → ...

EAC Indicator Description:

- * Actual vs FPR Run Rate**
The Actual rate \$157.83/hr differs from then estimated rate \$500.45/hr by more than \$10.00/hr.
- * EAC Date Changes**
Time-Shifted.

Approver:

Level	User/Group	State
1	krunkel@intgconcepts.com	



Automation Benefits

- Automation Streamlines the Process
- Automation Increases Efficiencies
- Automation Provides Accurate Information
- Automation is Timely
- Automation Provides Informed Decision Making