

How to Use the Variance Analysis Worksheet

CAPW[3]

Reporting Period: 2/28/02 3/31/02

4.1.4 TRACKER

1)		BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
2)	Current:	326	152	262	-174	-53%	-110	-73%	0.47	0.58
3)	Cumulative:	4,161	3,884	4,276	-276	-7%	-391	-10%	0.93	0.91
		BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
4)	At Complete:	9,696	9,696	0	0%	1.07	1.07			
5)	Thresholds Exceeded: Cumulative Cost									
6)	Explanation of Variance/Description of Problem:									
7)	Impact:									
8)	Corrective Action:									
9)	Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):									
10)	Prepared by:				Date:		Approved by:		Date:	

General Instructions: Review items 1 through 5, fill in items 6 through 10, and return to your LAT PMCS contact.

Line-by-Line Definitions/Instructions

- | | |
|----------|--|
| 1) BCWS | Budgeted Cost of Work Scheduled |
| BCWP | Budgeted Cost of Work Performed |
| ACWP | Actual Cost of Work Performed |
| SV in \$ | Schedule Variance in \$ (BCWP - BCWS) |
| SV in % | Schedule Variance in % (SV/BCWS) |
| CV in \$ | Cost Variance in \$ (BCWP - ACWP) |
| CV in % | Cost Variance in % (CV/BCWP) |
| SPI | Schedule Performance Index (BCWP/BCWS) |
| CPI | Cost Performance Index (BCWP/ACWP) |

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- 2) Current The incremental value for the current reporting period.
- 3) Cumulative The cumulative values since the beginning of the project.
- 4) At Complete
- | | | |
|------------|------------------------------|-----------|
| BAC | Budget at Completion | |
| EAC | Estimate at Completion | |
| VAC in \$ | Variance at Completion in \$ | (BAC-EAC) |
| VAC in % | Variance at Completion in % | (VAC/BAC) |
| CPI to BAC | $(BAC-BCWP)/(BAC-ACWP)$ | |
- This is the efficiency you must work in order to complete the subsystem within the BAC.
In this case, 1.07 means that for every future \$1 spent, you must earn \$1.07 in Budget.
- | | | |
|------------|-------------------------|--|
| CPI to EAC | $(BAC-BCWP)/(EAC-ACWP)$ | |
|------------|-------------------------|--|
- This is the efficiency you must work in order to complete the subsystem within the EAC.
- 5) Threshold Exceeded:
The LAT cumulative variance thresholds are set at 10% and greater than \$10,000.
Since Tracker exceeded the cumulative cost thresholds, "Cumulative Cost" is printed.
- 6) Explanation of Variance/Description of Problem:
This is where you would explain the cause or describe the problem that created your cumulative variance.
(Items 6-8 deal with the cumulative variances.)
- 7) Impact:
Is there any impact from the cumulative variance to the project schedule or subsystem cost.
- 8) Corrective Action:
Share with us what can be done to bring the cumulative subsystem variance back on schedule or budget.
- 9) Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):
This is a summary of any monthly incremental variance that would be of interest.
- 10) Prepared by: Who prepared your variance form?
Approved by: The subsystem manager approves these forms.