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Aurora Management Services

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Common Terms

Work Breakdown Structure (WBS) represent a hierarchical breakdown of the project work scope. Identifying the major elements of work, aligning to the product and the requirements. It forms the foundation for estimating, planning, cost control and reporting.

Control Account (CA) management control point at which budgets and actual costs are accumulated and compared to earned value for management control purposes.

Work Package (WP) sub-division of the WBS below a Control Account, where labour and material costs are collected.

Critical Path activities in the schedule that have the longest total duration. Activities along the critical path have the least amount of float/slack, normally zero or less.

Statement of Work (SoW) The document that defines the work scope within a control account.

Progress Measurement Types

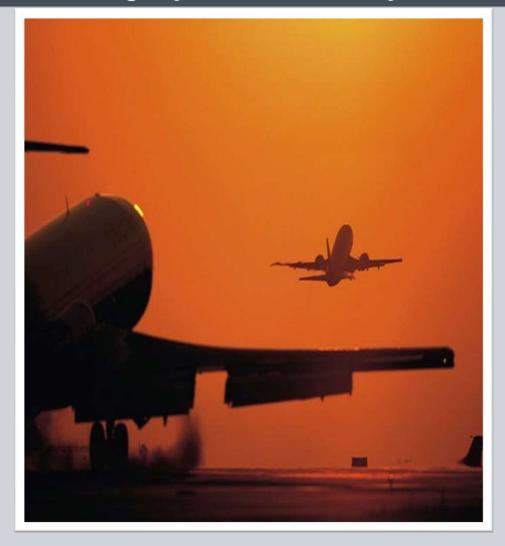
Percent Complete achievement is awarded on the objective substantiation of activity progress.

Milestone achievement is awarded only on 100% completion of the work scope.

Fixed Formula (50-50) 50% of the work packages budget is earned when the work package starts, the remaining 50% when it is completed.

Apportioned Effort (AE) value is earned in proportion to a related work package.

Level of Effort (LOE) value is awarded in relation to time.



Earned Value Management Reference Guide





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Earned Value Quick Reference Guide

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		Calculated as: CV =EV - AC	
Positive VAV si is favourable			
Megative VAV is unfavourable		determine if a real overspend exists.	
		reviewed along side the amount of unapproved change to really	
Calculated as follows: VAC = BAC - EAC		and is assessed by comparing the AC and the EV. Needs to be	
		Cost Variance shows if the project is Under or Over Spending,	СЛ
ultimately the actual) cost over-run or under-run.			
Variance At Complete indicates the predicted (or	ΛΑC	performance as work is costing more to deliver than planned.	
		than planned. A figure less than 1 indicates an unfavourable	
		performance, the cost of completing the work is equal to or less	
		A result equal or greater than 1 indicates favourable cost	
(the ETC) plus the actual costs to date.			
EAC will be greater than the budget for the remaining work		Calculated as: CPI =EV / AC	
If the CP/SPI is less than 1, the formula states that the			
		Cost Performance Index: measure of Cost Efficiency.	Cbl
ETC) plus the actual costs to date.			
EAC equal to the budget for the remaining work (the		Positive S is 18 Positive S Positive	
If the CPI/SPI is equal to 1, the formula shows the		Megative SV si nnfavourable	
		Calculated as: SV = EV - PV	
Calculated as follows: $IEAC = AC + ((BAC-EV)/CPI*SPI)$			
		Meeds to be reviewed alongside programme critical path.	
· dn mottod		schedule, and is assessed by comparing the (PV) and the (EV).	
and SPI. Its aim is to assess the 'reasonableness' of the		Schedule Variance shows if the project is ahead or behind	۸S
reported levels of performance as expressed by the CPI			
forecast of the costs at completion, factored by the current		schedule, a result less than 1, indicates behind schedule.	
Independent Estimate At Complete is a statistical	!E∀C	to based on or setsoibni frant reaser to or laupe these	
		Calculated as: SPI = EV / PV	
Calculated as follows: ETC = BAC - EV			
		Efficiency.	
completing the authorised remaining work scope.		Schedule Performance Index: measure of Schedule	IdS
Estimate to Complete is estimated cost of	ETC		
		Budget At Complete Total project budget	BAC
programme changes, etc.		Actual Cost The actual project cost incurred.	AC
authorised work scope. Includes trends, change, risk,		Earned Value The progress the projects really achieved.	ΕΛ
Estimate at Completion is the bottom forecast of the	EAC	Planned Value The time phased project budget.	ЬΛ
Earned Value Forecasting		Earned Value Calculation	

Megative CV is unfavourable Positive CV is favourable

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