Liite 4. Ansaitun arvon menetelmän termistö ja kaavat

Earned Value Analysis					
Abbreviation	Name	Lexicon Definition	How Used	Equation	Interpretation of Result
PV	Planned Value	The authorized budget assigned to scheduled work.	The value of the work planned to be completed to a point in time, usually the data date, or project completion.		
EV	Earned Value	The measure of work performed expressed in terms of the budget authorized for that work.	The planned value of all the work completed (earned) to a point in time, usually the data date, without reference to actual costs.	EV – sum of the planned value of completed work	
AC	Actual Cost	The realized cost incurred for the work performed on an activity during a specific time period.	The actual cost of all the work completed to a point in time, usually the data date.		
BAC	Budget at Completion	The sum of all budgets established for the work to be performed.	The value of total planned work, the project cost baseline.		
CV	Cost Variance	The amount of budget deficit or surplus at a given point in time, expressed as the difference between the earned value and the actual cost.	The difference between the value of work completed to a point in time, usually the data date, and the actual costs to the same point in time.	CV - EV - AC	Positive – Under planned cost Neutral – On planned cost Negative – Over planned cost
SV	Schedule Variance	The amount by which the project is ahead or behind the planned delivery date, at a given point in time, expressed as the difference between the earned value and the planned value.	The difference between the work completed to a point in time, usually the data date, and the work planned to be completed to the same point in time.	SV - EV - PV	Positive - Ahead of Schedule Neutral - On schedule Negative - Behind Schedule
VAC	Variance at Completion	A projection of the amount of budget deficit or surplus, expressed as the difference between the budget at completion and the estimate at completion.	The estimated difference in cost at the completion of the project.	VAC - BAC - EAC	Positive – Under planned cost Neutral – On planned cost Negative – Over planned cost
CPI	Cost Performance Index	A measure of the cost efficiency of budgeted resources expressed as the ratio of earned value to actual cost.	A CPI of 1.0 means the project is exactly on budget, that the work actually done so far is exactly the same as the cost so far. Other values show the percentage of how much costs are over or under the budgeted amount for work accomplished.	CPI - EV/AC	Greater than 1.0 - Under planned cost Exactly 1.0 - On planned cost Less than 1.0 - Over planned cost
SPI	Schedule Performance Index	A measure of schedule efficiency expressed as the ratio of earned value to planned value.	An SPI of 1.0 means that the project is exactly on schedule, that the work actually done so far is exactly the same as the work planned to be done so far. Other values show the percentage of how much costs are over or under the budgeted amount for work planned.	SPI – EV/PV	Greater than 1.0 - Ahead of schedule Exactly 1.0 - On schedule Less than 1.0 - Behind schedule
EAC	Estimate At Completion	The expected total cost of com- pleting all work expressed as the sum of the actual cost to date and the estimate to complete.	If the CPI is expected to be the same for the remainder of the project, EAC can be calculated using:  If future work will be accomplished at the planned rate, use:  If the initial plan is no longer valid, use:  If both the CPI and SPI influence the remaining work, use:	EAC - BAC/CPI  EAC - AC + BAC - EV  EAC - AC + Bottom-up ETC  EAC - AC + [(BAC - EV)/(CPI x SPI)]	
ETC	Estimate to Complete	The expected cost to finish all the remaining project work.	Assuming work is proceeding on plan, the cost of completing the remaining authorized work can be calculated using: Reestimate the remaining work from the bottom up.	ETC = EAC - AC  ETC = Reestimate	
TCPI	To Complete Performance Index	A measure of the cost performance that must be achieved with the remaining resources in order to meet a specified management goal, expressed as the ratio of the cost to finish the outstanding work to the budget available.	The efficiency that must be maintained in order to complete on plan.	TCPI = (BAC-EV)/(BAC-AC)	Greater than 1.0 - Harder to complete Exactly 1.0 - Same to complete Less than 1.0 - Easier to complete
		_	The efficiency that must be maintained in order to complete the current EAC.	TCPI = (BAC - EV)/(EAC - AC)	Greater than 1.0 - Harder to complete Exactly 1.0 - Same to complete Less than 1.0 - Easier to complete

Ansaitun arvon menetelmän termistö ja kaavat (PMI 2013, 224).