

Cost Engineering Objectives within “Typical” Control Cycle

OBJECTIVE	Estimate	Baseline	Measure	Control
THINK AHEAD	<p>Need a plan</p> <p>Need to consider inter project relationships</p> <p>Need a WBS, OBS</p> <p>What are the sell out rates, grades, OH?</p>	<p>How transfer estimate and how do I align the plan?</p> <p>How should I/ we resource load?</p> <p>Need PM Baseline sign off</p>	<p>How will performance be measured?</p> <p>What is Earned Value?</p> <p>Do some background reading</p>	<p>Think! – review project information</p> <p>Ask how is the project performing?</p> <p>How should I communicate this to the PM? The team?</p>
COMMUNICATE	<p>Explain why we estimate to team members – why we need structured rates, quotations etc</p> <p>Communicate What the software can do – how we do it!</p> <p>Explain What the WBS and OBS will be used for</p>	<p>The need for a Baseline process – how it fits into the Project Execution Plan</p> <p>Explain why we need a Baseline</p> <p>Explain why we need PM sign off</p>	<p>Report the projects performance – the position with respect to time and cost (Budget)</p> <p>Be clear on the interface with client (Communication Plan)</p> <p>Gather ACWP from sub contractors – also raise orders</p>	<p>Perform what-if analysis and suggest what may be done on the project</p> <p>Raise any issues to Project Manager – suggest improvements (improvements log)</p> <p>Be open with information flow– don’t hide what you may know</p>
MONITOR	<p>Monitor internal change and interfaces to produce estimate (i.e. may be several sub contractors)</p> <p>Use Document Control</p>	<p>Monitor internal change (pre planning work) prior to sign off – money is spent</p> <p>Use Document Control</p>	<p>Implement Baseline Change Control</p> <p>The performance of team – using EVA</p>	<p>Measure the project using EVA (software)</p> <p>The efficiency of the team – are we getting results?</p>