**Initial Values** Rev 8-Dec-2012

**12 GeV Re-Baseline Contingency Estimate Guideline**

12 GeV Contingency is to be assessed on the ETC independently for Labor, Expenses, and Procurements at the P6 activity level by the responsible Cost Account Manager using the “expert judgment” described below. Note that Contingency (and Management Reserve) is managed centrally by the Project Office, allocated thru Change Requests and is not pre-allocated or pre-assigned to any item or WBS. All Values are consistent with guidelines in DOE G 430.1-1 Chapter 11 Contingency for Construction Projects, Special Facilities and Equipment Procurement, for this stage in the project.

Contingency = Minimum Contingency + Risk Factor Contingency

|  |  |
| --- | --- |
| **Minimum Contingency** | **Factors** |
| **Code** | **Description** | **Labor** | **Exp.** | **Proc.** |
| --- | Costed – Item is 100% complete in P6 | 1.00 | 1.00 | 1.00 |
| --- | Open Obligation **(incl. Phased)** – Item has a start in P6 | NA | 1.025 | 1.025 |
| VQ | Vendor Quote | NA | 1.10 | 1.075 |
| CP | Catalog Price | NA | 1.25 | 1.10 |
| EV | Estimate from Vendor | NA | 1.20 | 1.25 |
| PE | Previous JLab Experience | 1.20 | 1.25 | 1.20 |
| OI | Information from other Labs, University, etc | 1.30 | 1.30 | 1.25 |
| EJ | Engineering Judgment | 1.40 | 1.35 | 1.30 |

For “Low Risks” the CAM may add additional Contingency for things like “Lack of Design Maturity”. For “High and Moderate Risks” the additional Contingency will come from the **Failure Mode Probability Spreadsheet** which contains the failure modes, the Joint APM / CAM probability assignment, the Tech, Cost and Schedule impacts