

MINERvA Basis of Estimate
Labor Task

WBS x: Your WBS Name here

I. General Information

Task Name: _____

Unique ID Number: _____

Date of Estimate: _____

Estimate Generator: _____

Cost Category (Check all that apply):

- M&S
- Labor

Comments: _____

Vendor Quote Number if Applicable: _____

Drawing Reference Number or Attachment: _____

Costing Method: e.g., Unit Valuation, previous experience, vendor quote _____

Task Labor Cost (85%CL duration, no contingency) _____ FY06\$

Labor Cost Contingency: _____%

Task M&S Cost (if any, no contingency) _____ FY06\$

M and S Cost Contingency: _____%

Labor Pool (flexible or fixed): _____

Inefficiency assumed (daily breaks, interruptions etc.): _____%

Task Type (repetitive or non-repetitive) _____

II. Cost Estimate Breakdown

Personnel Efficiency due to Breaks, Interruptions: _____ (%)
 If Different from 85%, please explain:

III. Contingency Breakdown: Labor

This task is _____ Repetitive _____ Non-repetitive

The risk value R(1-15) is given based on MINERvA Labor Contingency Tables.

For a non-repetitive Task:

Total Cost	Personnel Experience	Procedure Definition	Similarity to Prior Work	Task Duration	Total	Contingency
4	15	4	3	0.45	\$0	

For a repetitive Task:

Total Cost	Startup	Duration Estimate	Reliance on Vendors	Task Duration	Total	Contingency
4	15	4	3	0.3	\$0	

Comments:

IV. Time Estimates: Labor

Labor Time Estimate

Labor Pool Model: 0 (0=flexible labor pool, fixed schedule, 1=fixed labor pool, varying schedule)

Optimistic (1% likely)	Pessimistic (1% likely)	Most Likely	Weighted Estimate	Sigma	85% Conf. Level	95% Conf. Level
4	8	5	5.3	0.7	5.3	5.3
Labor cost estimate (how many time units to bill)				Money:	6.0	6.7
				Minimum Contingency Required:(%)		11

Time units in above table: _____

(85% CL to be entered into project file, 95% CL used for schedule contingency only)

Weighted estimate=(opto+pessi+4*most likely)/6, sigma=(pessi-opto)/6

85%CL=weighted estimate+1 sigma

95%CL=weighted estimate + 2 sigma

Contingency Estimate from section III: _____(%)
(must be above or equal to Minimum Contingency Required)

Comments (earliest can be started, or must finish by, how can speed up, etc):

V. M&S Contingency Breakdown

(For M&S costs above \$10,000 in FY06 dollars)

The risk value R(1-15) is given based on Babar.

Total Cost	Technical	Design	Cost	Schedule	Total	Cont
	4	15	4	8	0.5	\$0

Comments: