

SuperCDMS at SNOLAB Project Office BASIS of ESTIMATE FORM (BoE)		Document Number:	
		Date of Estimate: 4-Sep-15	
		Prepared by: Scott Oser	
UID Number:	WBS Section: 1.6.8		
Task Name: DAQ/Trigger Management			
Cost Type:	Costing Method:	<input checked="" type="checkbox"/> Prior purchase or experience Source: _____	<input type="checkbox"/> Catalog Price Source: _____
<input checked="" type="checkbox"/> M&S <input checked="" type="checkbox"/> Labor	<input type="checkbox"/> Engineering Estimate <input type="checkbox"/> Vendor Quote (attached)	<input type="checkbox"/> Other- Description: _____	
Attach Relevant Documents (including but not limited to): RFP, Responses to RFP, Technical Evaluation of RFP, Vendor Quotes, Technical Specifications, drawing numbers			
Task Duration: (calendar weeks, 85% achievable): weeks (this applies only for BoE's written at lowest task level)			
Task M&S Cost (FY14\$): \$16K See cost table below Task M&S Contingency (%): 15 %		Task Labor (resource type & work hours or % for duration of task, 85% efficiency assumed): 1320 hours See labor table below Task Labor Contingency (%): 30 %	

Change Log

Date	Description
2015/8/21	Initial version
2015/9/3	Corrected typo in total M&S cost

Details of Estimate: A summary of the costs at level 4 is included in the table below. Tasks are separated by M&S and labor. Labor is estimated in hours.

This BoE project management costs for the DAQ/Trigger. This includes the effort of the L2 manager (Scott Oser, UBC), the L2 advisor (Dave Toback, Texas A&M), and travel for each of them to attend two project management meetings a year.

Based on the time commitment to date the time is estimated to be 5 hours per week for both people. The L2 manager and L2 advisor are not supported by project funds, and so their efforts are billed at an hourly rate of \$0/hr. Only time after January 7, 2016 is included for FY2016.

Travel is included for four 4-day trips to SLAC each year by the L2 manager and L2 advisor for CD reviews and project management meetings. Travel costs are based on the cost of past trips, and include \$500 plane fare, \$50/day per diem, \$100/day lodging, and \$60/day for a rental car.

W.B.S	Item	Cost(\$K)	Contingency	
			Fraction	Cost(\$K)
1.6.8.1	FY2016 travel (4 trips)	\$ 5	0.15	\$0.3
1.6.8.2	FY2017 travel (4 trips)	\$ 5	0.15	\$0.3
1.6.8.3	FY2018 travel (4 trips)	\$ 5	0.15	\$0.3
	Total	\$ 16	0.06	\$0.9

W.B.S	Item	Labor type	
		L2 manager	L2 advisor
1.6.8.1	FY16 project management (9 months)	180	180
1.6.8.2	FY17 project management (12 months)	240	240
1.6.8.3	FY18 project management (12 months)	240	240
	Total	660	660