



Muon Campus AIP

Change Request Form

CR#: Cryo009

1) DATE: 11/11/14

2) WBS: Cryo1

3) Originator: Ken Domann

4) WBS Description of Primary Affected Tasks: Muon Campus Cryogenics AIP

5) Technical Description & Primary Motivation for Change: This change request documents the effect of adjustments to the burden and indirect rates as directed by the finance group. The result is a decrease of \$191,917 to the Cryo AIP budget with the corresponding increase in contingency.

6) Assessment of Cost Impact (Use attachments if needed): See Attachments for changes.

7) Assessment of Schedule Impact (Use attachments if needed): N/A

8) Secondary Impact & Other Comments: N/A

9) Approvals:

AIP Project Manager:

Date: 11/11/14

AIP Project Coordinator:

Date: 11/11/14

AD Div Director:

Date: _____

Directorate:

Date: _____

Cryo Post CR009 CAP

Control Account	FY12	FY13	FY14	FY15	FY16	FY17	Cumulative
A1301.02.01.01 Cryo AIP General Project OS - FY13	Scheduled	0.00	51,346.42	0.00	0.00	0.00	51,346.42
A1301.02.01.02 Cryo AIP General Project OS - FY14	Scheduled	0.00	3,594.05	129,557.05	0.00	0.00	133,151.10
A1301.02.01.03 Cryo AIP General Project OS - FY15	Scheduled	0.00	0.00	2,134.07	30,214.73	0.00	32,348.80
A1301.02.01.04 Cryo AIP General Project OS - FY16	Scheduled	0.00	0.00	0.00	3,106.86	128,186.95	131,293.81
A1301.02.01.05 Cryo AIP General Project OS - FY17	Scheduled	0.00	0.00	0.00	0.00	3,675.39	120,145.47
A1301.03 Cryo Basic Engineering	Scheduled	0.00	33,093.96	236,082.70	70,985.99	71,268.80	460,432.28
A1301.04.01 Cryo LN2 system	Scheduled	0.00	4,514.95	409,013.92	0.00	0.00	413,528.87
A1301.04.02 Cryo Gas management system	Scheduled	0.00	57,841.53	178,224.26	0.00	0.00	236,065.78
A1301.04.03 Cryo ODH system	Scheduled	0.00	0.00	49,757.63	0.00	0.00	49,757.63
A1301.04.04 Cryo Refrigerator System	Scheduled	0.00	149,077.19	1,134,055.74	157,480.87	313,192.75	1,753,806.54
A1301.04.05 Cryo Compressor System	Scheduled	0.00	59,453.27	367,138.94	0.00	0.00	426,592.21
A1301.04.06 Cryo Interconnect Piping	Scheduled	0.00	225,594.62	512,339.28	0.00	0.00	737,933.91
A1301.04.07 Cryo Interconnect Electrical & Controls	Scheduled	0.00	46,627.36	119,526.30	0.00	0.00	166,153.66
A1301.05.01 Muze Interface Connection	Scheduled	0.00	0.00	70,813.93	206,847.51	1,009,844.31	1,600,279.62
A1301.05.02 g-2 Interface Connection	Scheduled	0.00	27,198.92	0.00	0.00	0.00	27,198.92
A1301.06 Cryo Safety Documents	Scheduled	0.00	0.00	155,311.42	0.00	0.00	155,311.42
A1301.07 g-2 Cryo Checkout	Scheduled	0.00	0.00	0.00	65,416.12	0.00	65,416.12
A1301.08 Cryo g-2 Acceptance Tests	Scheduled	0.00	0.00	11,968.50	102,502.33	0.00	114,470.83
A1301.09 Cryo Muze Acceptance Tests	Scheduled	0.00	0.00	0.00	0.00	0.00	0.00
Grand Total	Scheduled	0.00	658,342.28	3,375,923.74	636,554.41	1,526,168.20	6,842,487.50

Cryo Pre CR009 CAP

Control Account	FY12	FY13	FY14	FY15	FY16	FY17	Cumulative
A1301.02.01.01 Cryo AIP General Project OS - FY13	Scheduled	0.00	51,346.42	0.00	0.00	0.00	51,346.42
A1301.02.01.02 Cryo AIP General Project OS - FY14	Scheduled	0.00	3,594.05	129,557.05	0.00	0.00	133,151.10
A1301.02.01.03 Cryo AIP General Project OS - FY15	Scheduled	0.00	0.00	2,134.07	30,362.18	0.00	32,496.25
A1301.02.01.04 Cryo AIP General Project OS - FY16	Scheduled	0.00	0.00	0.00	3,351.06	140,861.21	144,212.27
A1301.02.01.05 Cryo AIP General Project OS - FY17	Scheduled	0.00	0.00	0.00	0.00	4,070.16	130,222.84
A1301.03 Cryo Basic Engineering	Scheduled	0.00	33,093.96	236,082.70	79,899.92	82,464.36	486,481.21
A1301.04.01 Cryo LN2 system	Scheduled	0.00	4,514.95	409,013.92	0.00	0.00	413,528.87
A1301.04.02 Cryo Gas management system	Scheduled	0.00	57,841.53	178,224.26	0.00	0.00	236,065.78
A1301.04.03 Cryo ODH system	Scheduled	0.00	0.00	49,757.63	0.00	0.00	49,757.63
A1301.04.04 Cryo Refrigerator System	Scheduled	0.00	149,077.19	1,134,055.74	162,257.82	324,392.33	1,769,783.08
A1301.04.05 Cryo Compressor System	Scheduled	0.00	59,453.27	367,138.94	0.00	0.00	426,592.21
A1301.04.06 Cryo Interconnect Piping	Scheduled	0.00	225,594.62	512,339.28	0.00	0.00	737,933.91
A1301.04.07 Cryo Interconnect Electrical & Controls	Scheduled	0.00	46,627.36	119,526.30	0.00	0.00	166,153.66
A1301.05.01 Mu2e Interface Connection	Scheduled	0.00	0.00	70,813.93	219,430.82	1,052,644.73	1,693,530.17
A1301.05.02 g-2 Interface Connection	Scheduled	0.00	27,198.92	0.00	0.00	0.00	27,198.92
A1301.06 Cryo Safety Documents	Scheduled	0.00	0.00	155,311.42	0.00	0.00	155,311.42
A1301.07 g-2 Cryo Checkout	Scheduled	0.00	0.00	0.00	73,625.45	0.00	77,957.59
A1301.08 Cryo g-2 Acceptance Tests	Scheduled	0.00	0.00	11,968.50	110,322.21	0.00	122,290.71
A1301.09 Cryo Mu2e Acceptance Tests	Scheduled	0.00	0.00	0.00	0.00	106,765.15	106,765.15
Grand Total	Scheduled	0.00	658,342.28	3,375,923.74	679,249.47	1,604,432.78	7,034,404.65