Weekly Reporting

WBS 1.01.07 JLAB Management

Week of May 15-21, 2015

**Issues:**

CDS from the CP building to the Distribution Boxes added scope for CP#2 needs to be addressed.

The cavity procurement is still in the DOE review process.

**Accomplishments this week:**

Draft update for the Cryomodule HOM absorber and shipping frame P6 schedule. The activities are being moved back in the schedule to align with actual needs.

Continue working the new CDS scope. Investigating how much labor Jlab has to support the new activities as well as the applicability of the FRIB design. If we use the FRIB design we will need permission from FRIB.

Working with the Systems Managers to developing procurement strategies for the second CP consistent with the project’s funding constraints.

We reviewed shifting the LCLS 6 month and 1 year down time. There is no impact on JLab work.

**Upcoming Activities:**

Finalize the cavity procurement. Finalize the 4.5K Cold Box best value evaluation.

Weekly Reporting

WBS 1.04.6 JLAB Cryomodules

Week of May 15-21, 2015

**Issues:** None

**Accomplishments this week:**

AES035 was removed from the HTB piping assembly. Inner magnetic shield is removed and will be shipped to Cornell by end of this week.

Work continues on baseline qualification of two of four cavities for VQ cavities required - AES021, AES025. The other two cavities at FNAL have been identified - AES015 and AES017.

Clean room re-configuration for prototype cavity string is on track for completion by mid-June. Soft walls are 95% complete. Remaining activity is to install curtains adjacent to load lock.

We presented status of tooling needed for assembly and test of CMs at JLab. Rails for cantilever fixture were received. On track for supporting assembly of prototype CM.

We participated in SC Magnet Power Supply and Quench Protection PDR via videoconference on 19-May.

Tentative date for CM shipping and handling meeting at JLab. Topics will include shipping fixture design, shipping test plans, handling of CMs at PLs and SLAC.

**QUALITY**

* Remote participation in the CM final design review at FermiLab on May 12-14, 2015.

**Upcoming Activities:** LCLS-II CM Alignment Workshop at FNAL 22-May

CM Shipping and Handling Meeting at JLab, 2-3 June

XFEL CM Assembly & QA Meeting at CEA-Saclay, 11-12 June

Weekly Reporting

WBS 1.04.08 JLAB Cryoplant System

Week of May 15-21, 2015

**Issues:** Distribution Box relocation costs for BCR, transfer of transfer line work scope, give back vs. new scope costs for cost neutral.

**Accomplishments this week:**

Warm helium compressor bid technical evaluations continued for the week. Questions requiring offer clarification were received from the vendors.

4.5K cold box best and final bid offers were received. Clarification questions concerning the final offers were received and being evaluated.

Two JLab coordination meetings were held to plan additional manpower to support planned BCRs and CP2.

No further activity concerning the necessary changes to the cryoplant infrastructure since a revised equipment layout consisting of two cryoplants was submitted to SLAC Infrastructure the previous week.

A draft CP2 P6 was generated and submitted to SLAC for comment and review.

**QUALITY**

* No report.

**Upcoming Activities:** None

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Weekly Reporting

WBS 1.02.03.05.12 LLRF

Week of May 15-21, 2015

**Issues: None**

**Accomplishments this week:**

1. Engineering and Design
	1. LLRF FRS: Sent it to Theresa Wong for signatures.
	2. LLRF R&D:

FPGA Board: Larry sent complete document out to the team for review. This is close to being ready for the SLAC engineering team.

RF/IF: FNAL and LBNL have decided on sma interface between the RF and IF boards.

Interlocks: I/O list complete. Schematic is due June 15. I asked FNAL to define the current on the electron probe.

Resonance: Draft stepper schematic is due June 1.

* 1. LLRF Project Management: ICD out for signatures.
	2. Cryo Heaters: Working on defining the scope and responsibility for the cryomodule heater control.

**Upcoming Activities:**

FPGA Requirements: Out for group review.

I plan on Visiting SLAC week of June 2/3.

Team meeting at JLAB June 9/10

LLRF CDR July 9 at SLAC