Weekly Reporting

WBS 1.01.07 JLAB Management

Week of May 22-28, 2015

**Issues:**

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

**Accomplishments this week:**

Continued working the placement of SLAC staff members at JLab.

Cavity procurement is making progress after DOE approval. Working with vendors to finalize contracts.

Cryomodule production infrastructure contracts progressing well. Hardware for all but one will be delivered in May.

Helium refrigerator maintenance complete and cooldown has started. Testing program will resume on Friday.

New hire of an electronic technician is progressing. A offer is out to a candidate.

**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 22-28, 2015

**Issues:** None

**Accomplishments this week:**

Inner magnetic shield was shipped to Cornell by end of this week in support of HTC testing of AES031. Two modified C100 HOM feedthrus will be shipped 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.

Prototype HOM and FP feedthroughs were received at JLab. In collaboration with FNAL, we are finalizing receipt/inspection activities for these feedthrus. The components are needed for prototype cavity horizontal testing.

Modifications to HTB to improve insulating vacuum and add capability for LCLS-II style fast cooldown are underway.

Preparations underway 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**

* No report.

**Upcoming Activities:** 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 22-28, 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. Initial technical evaluation scores were completed and are being compiled by the SOTR.

Another round of vendor proposal clarification questions was evaluated on the 4.5K cold box procurement. A teleconference with the vendor to settle remaining questions has been scheduled for June 2nd.

Additional JLab coordination meetings were held to plan 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 on May 4th.

**QUALITY**

* No report.

**Upcoming Activities:** None

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Weekly Reporting

WBS 1.02.03.05.12 LLRF

Week of May 22-28, 2015

**Issues: None**

**Accomplishments this week:**

1. Engineering and Design
   1. LLRF FRS: Received edits and updated document
   2. LLRF R&D:

Interlocks: Started ESD. Rama Bachimanchi is working on the draft schematic.

Resonance: Brian Chase showed results of the three channel piezo amplifier. It appears that it can work with some ps modifications. More Tests are planned.

1. LLRF Project Management: Working on RF team meeting agenda.
2. RF Waveguide Couplers: LLRF team participated in defining the final waveguide coupler specifications.

**Upcoming Activities:**

Stepper schematic draft is due June 1

Interlocks schematic draft is due June 15

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

Team meeting at JLAB June 9/10

LLRF CDR July 9 at SLAC