Weekly Reporting

WBS 1.01.07 JLAB Management

Week of June 12-18, 2015

**Issues:**

Still need to make last two cavities available for vendor process development and qualification.

**Accomplishments this week:**

Focusing work on preparation of BCRs for June and July. CP#1, CP#2, Cavity contract details, and CM assembly labor are all close.

Reviewed schedule progress with the project office.

Updated responses to CM FDR that required Jlab input.

New procurement administrative assistant started 15 June.

**Upcoming Activities:**

Finalize the 4.5K Cold Box and warm compressor best value evaluation.

Weekly Reporting

WBS 1.04.6 JLAB Cryomodules

Week of June 12-18, 2015

**Issues:** JLab needs to have four vendor qualifications and two dummy load cavities made available for shipment to cavity vendors. So far only two vendor qualification cavities have been made available.

**Accomplishments this week:**

Work continues on baseline qualification of two of four cavities for VQ cavities required. AES023 has been baselined. AES025 is ready for vertical testing. Two other cavities at FNAL have been identified - AES015 and AES017. Other potential cavities have been discussed but no project guidance has been provided.

One cavity vendor (RI) visited to witness doping and EP processes. The other cavity vendor is scheduled for the end of the month. Site visits to vendors have been planned for Mid-July.

We are continuing inspection activities for the BPM feedthroughs.

HOM and Field Probe feedthroughs have completed initial leak checking and cold shocking. Final leak and RF checks are scheduled for later this week.

Discussions during the SACLAY visit were very productive as CEA allowed us to visit the production floor and observe assembly activities up-close. The FNAL/JLab team that witnessed production activities is assembling a report from the visit.

**QUALITY**

* At the last QA teleconference with FermiLab, we discussed the draft ACS documents for the dressed cavity and some changes to the contents of the form were requested by FermiLab. We also discussed the new JLab ACS Tracker, which is a file that is used to track the internal approval status of the various component ACSs. This is an Excel file that needs to be manually updated and maintained. FermiLab expressed interest to gain direct access to the JLab ACS Tracker.
* The LCLS-II preliminary NCR flowchart was reviewed with FermiLab for feedback. JLab is also working on a production version of the flowchart. The intent is to provide a high level visual of the process flow and also to identify potential ‘hand-shakes’ by SOTRs among partner labs when non-conforming products are discovered that would require disposition.
* We plan to review the draft flowchart with the JLab procurement department to collect more feedback.

**Upcoming Activities:**

Cavity Vendor Visits at JLab last week in June

Cavity Vendor Site Visits scheduled for 9-10 July (RI) and 13-14 July (Zanon)

Weekly Reporting

WBS 1.04.08 JLAB Cryoplant System

Week of June 12-18, 2015

**Issues:** None

**Accomplishments this week:**

The technical evaluation documentation for the 4.5K cold box and warm helium compressors was delivered to procurement and the source selection officers. The for best value determination between the commercial and technical proposals with a recommendation presentation to the Source Selection Officer was completed today, June 18th.

A table of relief value tag names and sizes for the cryogenic process interfaces, as well as source gas capacities to the distribution system was developed and completed checking this week. Submission to Fermilab is scheduled by the end of this week.

Preparations continued for the arrival of 3 SLAC engineers who will be working with JLab on the cryoplant design. This included office space and plans for site access training. Two are scheduled for July 1st, one for August 1st.

Additional JLab coordination meetings were held to plan manpower and equipment costing to support planned BCRs for the second cryogenic plant. The planned presentation date has been moved to July from June 25th.

Weekly meetings with SLAC Infrastructure resumed for planning the new larger cryoplant building. Discussions centered on the proposed equipment layout previous provided to infrastructure for review. Two trips to JLab are scheduled: one in July, the other TBD.

**QUALITY**

No report.

**Upcoming Activities:** None

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Weekly Reporting

WBS 1.02.03.05.12 LLRF

Week of June 12-18, 2015

**Issues:** None

**Accomplishments this week:**

1. LLRF FRS: Sent revised edits to Theresa Wong.
2. Tuner: reviewed stepper schematic with Rama. It is ready for lay out.
3. Sent out LLRF Team meeting minutes and prototype activity due dates.
4. Common Chassis Power supply: Began assembling data for the common chassis power supply.

**Upcoming Activities:**

* Next week teleconference with SLAC PRL Team
* CDR July 8
* ESD drafts end of July