Weekly Reporting

WBS 1.01.07 JLAB Management

Week of July 31 – August 6, 2015

**Issues:** None

**Accomplishments this week:**

Preparations for hosting the Cryogenic Systems Modeling Meeting on 11-13 August, 2015

Developing the FY16 JLab internal work plan based on the P6 plan.

Monthly statusing of Cryomodules and Cryoplant.

Got DOE signoff on 4.5K Coldbox package. Procurement Clearance Request sent to SLAC.

**Upcoming Activities:**

11-13 August 2015 – Cryogenic Systems Modeling Meeting at JLab with SLAC, FNAL, Cryo consultant and JLab for integrated system process modeling.

Weekly Reporting

WBS 1.04.6 JLAB Cryomodules

Week of July 31 – August 6, 2015

**Issues:** JLab needs four more SLAC-qualified cold couplers for prototype cavity string assembly.

**Accomplishments this week:**

The first VQ cavity (AES023) is ready for shipment to RI. One set of testing hardware will be sent with it.

The second VQ cavity (AES025) was successfully baseline tested this week and is being prepared for shipment to Zanon, along with one set of testing hardware.

The third and fourth VQ cavities (RI023, AES014) are being prepared for baseline testing.

AES029 was received from FNAL. JLab now has seven of eight cavities on-site - AES029, 030, 32, 33, 34, 35 and 36.

Completed receipt inspection of HOM, FP and BPM cold feedthroughs for pCMs.

Continuing with preparations for HTB testing of AES033 in mid-August. Inner magnetic shielding has been installed. Preparing custom thermal straps for 4K and 70K intercepts. Tooling for warm coupler

Received SSA from CPC and will begin receiving inspection.

CMTF waveguide needed for high-power HTB test was installed.

JLab Alignment Group is making plans to install monuments for prototype string alignment activities.

Plans for installation of CM tooling are continuing including procurement and layout of anchors.

The first batch of cavity string bellows (specifically spool pieces) needed for string assembly were plated at the vendor and have been shipped to JLab.

**QUALITY**

* The Acceptance Criteria Strategy documents for the LCLSII Dressed Cavity have been fully signed off. A copy of the signed documents was sent to Mike Skonicki at SLAC.
* FNAL provided a copy of their internal procedure on parts receiving and inspection process. JLab staff is reviewing the procedure for comparison.

**Upcoming Activities:**

11-13 August 2015 – Cryogenic Systems Modeling Meeting at JLab with SLAC, FNAL, Cryo consultant and JLab for integrated system process modeling.

Weekly Reporting

WBS 1.04.08 JLAB Cryoplant System

Week of July 31 – August 6, 2015

**Issues:** None

**Accomplishments this week:**

The LCLSII 4.5K Cold Box Procurement Clearance Request (PCR) was submitted to SLAC for approval on Wednesday, Aug 5, 2015.

Work continued developing documentation for the warm helium compressor PAR

Two contract designers were added to the design team. Initial work will include the compressor room warm helium piping design

Preparations are underway for the Aug 11-13th Integrated Cryogenic System Process Modeling hosted by JLab

Weekly meetings with SLAC Infrastructure continued for planning the new larger cryoplant building for the first and second cryogenic plant. Topics included electrical power and cooling water, equipment layout and work clearances,

**QUALITY**

No Report

**Upcoming Activities:**

11-13 August 2015 – Cryo System meeting at JLab with SLAC, FNAL, Cryo consultant and JLab for integrated system process modeling.

18 August 2015, 2nd JLab hosted visited SLAC Infrastructure and HDR, Inc. cryogenic plant design meeting.

Weekly Reporting

WBS 1.02.03.05.12 LLRF

Week of July 31 – August 6, 2015

**Issues:** None

**Accomplishments this week:**

* Stepper Motor Board

Rama is working on the board layout. He should be finished by the end of the week. The ISD is in draft and been assigned a number.

* Interlocks Board

William is working on the interlock board. August 15 to send it to the board house.

* Common Power Supply (JLAB): Sent out potential power supplies. Dave is working on the chassis design and connector options.
* CMTF: Continue coordinating the installation of the SSAs.

**Upcoming Activities:**

* Continue working on boards and chassis.
* Complete Stepper ISD and start the Interlocks ISD.