

# Service Coordination Board (SCB) Meeting Summary

Date: 24 July 2013

Members in attendance:

	Member	In Attendance
AES	John Maclean	
	Geoff Pile	√
ASD	Michael Borland	√
	Ali Nassiri	√
XSD	Mark Beno	√
	Chris Jacobsen	√
	Jonathan Lang	√
Upgrade Project	Tom Fornek	
	Mohan Ramanathan	√

Secretary: D. Ferguson

Also in attendance: R. Torres, C. Eyberger, S. Davey

## Agenda

Review of June 26, 2013 meeting minutes

Review of Open Action Items

Project Report Discussion

Review project submission status

Review of Project Report Summary

If Project is designated as "On Hold", get final data to R. Torres

If Project is not designated as "On Hold", keep reporting status as normal

Hours can keep progressing if no M&S

Small Projects Status Presentation

New Business

Change meeting to monthly discussion

Upgraded/replacement beam scraper/dump for the storage ring

AES Survey Statistics

Shut down scheduling meeting highlights

## Meeting Summary

The meeting minutes from 26 June 2013 were approved with minor changes. Open action items were discussed. See below for details. New business discussed included changing the meeting schedule, a small projects status presentation, the AES survey, an upgraded beam scraper project and highlights

from the shutdown scheduling meeting. R. Torres provided an update on the APS Project Report Summary. This report can be accessed through the following links

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Native File: [Project Report Summary - June 2013 \(APS\\_1432632\).xlsx](#)

### **New Action Items**

1. Update meeting schedule to reflect monthly meetings [Ferguson] – Closed
2. Provide estimate and submit project plan for proposal 1713 (Beam Scraper) [Pile]- Open
3. Evaluate and document risk assessment for proposal 1713 (Beam Scraper) [Borland] – Open
4. Project 1673 follow up on install new redesign from accelerator power supply [Borland] – Open
5. Project 1673 plan submitted and into the project system [Torres]- Open

### **Open Action Items**

1. Confirm effort with B. Rusthoven for project 1153 [Pile] – Open
2. Send email regarding project updates for ASD projects that will not be approved [Davey] – Open

### **Action Items for Discussion in Fiscal Year 2014**

1. Provide list of the status of XSD Beamline Equipment Protection Systems (BLEPS) items needed to G. Pile [Beno, Jacobsen & Lang] – Open
2. AES to examine forming a small team to perform standardization of Beamline Equipment Protection Systems (BLEPS) and communicate to XSD and ASD the ability to complete identified items [Pile] – Open

### **Agenda Topic Review of Minutes from June 26, 2013 SCB meeting**

Minor corrections to the minutes were suggested. These corrections have been incorporated into the final meeting minutes posted on the web.

### **Agenda Topic Review of Open Action Items**

G. Pile presented the Mid-Sized Tasks and Support overview previously present to the UChicago Argonne, LLC Board of Governors Review, July 16-18, 2013.

G. Decker reiterated S. Lee's involvement for Project 1154 is part time, the Upgrade Project takes priority. S. Decker and M. Ramanathan are working together in resolving prioritization of S. Lee's time.

C. Preissner and P. Den Hartog provided updates to Project 1454. Rusthoven committed to effort. This project has been move to approved with SCB approval.

### **Agenda Topic Review Project Report Summary Discussion**

#### Approved:

AES 420 Linac Water Station Rebuild (Wright): \$12k Funded from group M&S to continue with the project 6/3/2013. The latest purchases coming from the group M&S since the project money is no longer available. I though it may be a good idea to track this expenditures if at some point they fund the projects again.

AES 431 LN2 System upgrade (Stevens): Revised plan to include fabrication and programming work not included in original schedule. Additional effort was needed from Controls Tech (160) and Eng. (80).

AES 1173 Accelerator server upgrade and AES 1174 X-Ray network and server upgrades (Sidorowicz): Since the rest of the proposal funding is gone due to the budget cuts only the labor is being updated.

ASD P-1154 X-ray BPM Enhancement (Decker): The intention all along was that this would be a part time commitment. Mohan has pretty clear milestones that have to take priority. The latest ideas coming out of Bingxin's brain look pretty promising, that we can get a design for the canted undulator XBPMs that is significantly less costly than the baseline design.

PSC 1453 6-BM Beamline Installation (Erdmann) – Estimates project is at 80% complete as of end of July. Expecting to finish before Aug. shut-down.

XSD 481 Replace TXM in 32-ID (DeCarlo/Erdmann) – Erdmann reviewing final set of drawing. Project will be complete as soon as the changes are made and drawings released.

XSD 482 Instrumentation of 1-ID-E Hutch for High Energy Diffraction (Benda) - The focus of effort during June has been to ensure that the MTS table and related equipment will be ready for scheduled beam time in early August. Significant progress has been made in several subproject areas:

1. The Aerotech stage has been undergoing development since it was purchased and arrived at S1. It is operational but not in its final configuration.
2. MTS Table - Final design has been completed by the engineer. A designer is working on the detail drawings. Preliminary drawings for custom fabrications were sent out for RFQs. The target installation date is driven by scheduled beam time in early August. It is a very tight schedule but the goal none the less.
3. Overall Rail - S1 staff and MED engineers have met a number of times to discuss the specifications and requirements of the overhead rail system. Several concepts were made into

CAD models for evaluation. More traction on this subproject will be made when the MTS table is completed.

4. Hydra 2.0 - No effort has been given towards this subproject. It is a lesser priority than some other subprojects that are required for upcoming beam time.
5. Very Far - This detector is currently operational. Further testing and two additional cameras will likely be purchased to expand its capabilities at a future time. The development of this detector will continue as the experimental techniques using it push the requirements envelope.
6. SAXS Table - A breadboard has been purchased and is being installed on the very far field detector table. This arrangement could be sufficient for SAXS technique needs. In the future, it will be determined if a completely separate table is required for additional instrumentation and stability purposes.

XSD 487 Complete 2-ID-D Double Multilayer Monochromator (Lai/Erdmann) – Erdmann: Monochromator installed and in operation, work complete. Lai: remaining task is commissioning with x-ray beam. Plan to complete by the end of the current run cycle (2013-2).

Projects on hold per M. Beno:

XSD 546 Replacement of 11-ID EPS system and beamline diagnostics (Markovich)

XSD 547 High-Temperature Sample Environment (Haljiti)

XSD 1095 Upgrade to High-Energy Monochromators 11-ID-B,C (Haljiti)

XSD 543 Quick XAFS Mono for 9-BM (Haljiti)

XSD 1097 High-Throughput Development for 11-ID-B (Haljiti)

Provisionally Approved:

XSD 1454 – DOE Early Career Award: P. Den Hartog: Yes, with the following caveats: 1) MED engineer effort is spread between Curt Preissner and Mike Yunker (ESPO engineer); 2) This will have to be their #1 priority for the remainder of the fiscal year and will require nearly all of their effort; 3) Designer effort seems to be underestimated. Based on original estimate of 240 hrs for the work completed in 743 hrs, the estimate for the remaining hrs should be 472 hrs.

B. Rusthoven: In August, we should have the resources to help with this.

Preissner: provided update. The project completion was listed as 20% because: a) the completion was underestimated, and b) the number of hours for DD was underestimated, such that the ratio of expended hours to estimated hours was too high. Updated project percent complete to 40%.

Completed Projects:

XSD 484 Optics Test Beamline (Macrander/Erdmann)

AES 1176 – PSS Gen 3 and FEEPs Equipment Enhancements (Markovich)

## **New Business**

### Change in meeting schedule

It was discussed and agreed upon to change the recurring meeting schedule from bi-weekly to monthly. In the event a meeting needs to be changed due to competing priorities, it shall be rescheduled, not cancelled.

### Upgraded/replacement beam scraper/dump for the storage ring

The upgraded/replacement beam scraper is in need of Engineering support. Previous work was completed by L. Morrison. The motivation is sector 4 damage whenever there is a beam dump and causing SCUO to quench. This project was discussed. It will progress to the estimate state.

### AES Survey Statistics

S. Davey gave a brief presentation on the recent AES Survey which was conducted throughout the PSC Directorate. Overall the response was positive. All issues and items are continuing to be addressed.

### Shutdown Scheduling Meeting Highlights

G. Pile gave an overview from the shutdown scheduling meeting. There continue to be resource needs in all groups due to items that have been continuously delayed, items needed in an ongoing fashion and Upgrade Project needs. The Vacuum and Survey and Alignment Groups are particularly in need of manpower. This will affect overtime expectations. Possible solutions are being explored.

**Next Meeting: August 21, 2013, 401/B4100, 11:15**