

Long Shutdown Integration Meeting

August 16, 2012

F224-225, 10 am

MINUTES

• **Intro**

F. Pilat

- Will re-baseline no earlier than mid Oct 2012
- No major issues with progress collected for end of July
- TLA (transition to ops – FML & SRF coordination); CTF, VTA, CMTF (coordination after demo is done) milestones to be added to LSD schedule. J. Preble and E. Akers are the POCs for the information
- Risk Registry meeting planned for updating
- Next RPM – 22 August

• **LSDD Report**

F. Pilat

- CHL1 and linacs warm up – started Aug as planned
- CM warm-up
- U-tubes (between CHL and Linac Transfer Line) started 15 Aug and followed with ODH0 posting in the accelerator
- U-tubes in the tunnel to start soon
- CHL1 cooling towers started 15/16 aug
- R100 has been moved to OL04 slot
- S/R cleared and stand installation planned for 20 Aug, pending stand delivery
- De-installation of BSY and TC region in progress
- Tagger area shielding wall installation continues
- Arc 3 dipole installation
- WA network survey done and EA starting
- Cabling being installed
- Arc 1&3 refurbishment of magnets – Arc 3 almost completed in magnet measurement. Arc 1 has been installed
- Halls: HA – late parts; HB – manpower shortage; HC – bumpy start – all have enough float
- TLA – CM assembly in place and 12GeV work is as planned. Other areas being monitored – cavity, chem. room, etc. Weekly meetings being held with SRF/FML for plan and will implement milestones/logic in the LSD schedule
- Test Lab: demo in progress. Schedule for CMTF, CTF, VTA being done and will be implemented in LSD schedule.

- **Schedule, 3 months look-ahead**

D. Napier

- See presentation for full details
- Changes to information presented for 3 month look ahead:
 - CMTF is now mid Oct (not mid Sept)
 - 12GeV ACC – WA is completed; CM#3 installation mid Aug? J. Hogan will update with latest information at next progress collection (end of Aug); Transfer line mods are end of Oct; ODH work (12GeV CR) to be implemented/approved by 12GeV at this week's CCB meeting and then implemented in the LSD schedule.
 - ACC Ops – R100 alignment being done now (ahead of schedule)
 - FML – CHL work is on track, Aug 18th outage is still planned; Counting House – physics has until next Friday to move out equipment, etc; Tunnel penetration meeting held 16 Aug and work is planned to start week of 27 Aug; B68 addition – will go to procurement in a few days (mid/late Oct for start of construction); MCC/HVAC – ready for procurement next week, might push out schedule one month. Service bldgs A/C and humidifier projects are funding dependent but being worked.
 - FEL – Still plan to run in Jan 2013 when CHL is up. PSS certification is needed; darklight experiment and other work needed by support groups; bellow shielding in injector (vacuum group support for a temp hood) – all this work is new scope that is not in the current LSD schedule and will be implemented as a CR as the plan is developed. Admiral in VTA in Oct and cavity processing (Aug to mid Nov).
 - ESH&Q – Counting house dosimeters moved in preparation for FML project. FSAD to site office – due 27 Aug. Need to start thinking about readiness reviews and get more details scoped for the LSD schedule. HA & ACC are the first details to work out.
 - HA – Detector part that was late is now here. Magnet is late but planned for Aug arrival
 - HB – FTOF removed, Split CLAS completed previously; will lose a man on 22 Aug and then will be two men short. Management is working this manpower shortage.
 - HC – almost all removed; video of removal being done; SOS removal holding the mid Nov schedule date.
 - HD – solenoid platform installation will be here and plan to start before date on schedule (can't be end of Oct – that's 6 weeks too late). The activity may include the stairs (which is not needed in this logic). BCAL light guides – won't start until early Oct.
- Critical Path discussion:
 - J. Hogan to fix logic in the CM installation and review of 0L04 re-commissioning duration/dates as this is also on the critical path.

- Change Requests discussion:
 - FEL – PSS cert, darklight support, PS support, etc being developed by B. Legg/J. Coleman. Support needed in the upcoming months.
 - ODH CR 12GeV being processed today and will be implement in LSD schedule for Aug progress collection. 12GeV CCB to approve first.
 - ACC RF Circulators – still being scoped/reviewed
 - Hall B 12GeV implementation – now Oct at the earliest

- **EVMS Analysis for LSD**

K. Krug

- New analysis developed by PMI for the LSD to evaluate progress monthly.
- EV sheets will be provided for each WBS after progress is collected and posted to the website. July sheets are posted already.
- EV = % complete of labor planned against the baseline plan.
- % complete – progress taken of the labor hours/days planned
- Blue line = your schedule
- Green line = your progress
- Green line above the blue line = ahead of schedule
- Green line below the blue line = behind schedule
- Measured in person days
- Changes to be made/feedback from team:
 - Change titles – D. Napier/PMI
 - Graph the rest of the progress line to show where you will end up with the current progress and % complete provided - PMI

- **Around the room, updates**

(All)

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| ● 12 GeV accelerator | L. Harwood |
| ● 12 GeV physics | G. Young |
| ● CASA/Commissioning | M. Spata |
| ● Engineering | W. Oren |
- Maintenance of CHL/transfer lines during warm-up – meeting planned for 16 Aug.
 - Need to start planning the cool down details
 - Cold box re-commissioning and CM re-commissioning needed in the schedule
 - S&A HA data shows that things have moved and dimed decks/CASA analysis needed
 - Firing up the klystrons for the machine needs to be reviewed. Suhring has placeholder in the LSD schedule, but needs details. This task is PSS status/cert dependent. Klystrons have been off since 18 May and limited/no spares are available.
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|------------------------|-------------------|
| ● ESH&Q | M. Logue, D. Owen |
| ○ No new safety issues | |
| ● Facilities | B. Sperlazza |
| ● FEL | R. Legg |

- Integration D. Napier
- Operability S. Suhring, A. Freyberger
- Physics R. Ent, J. Gomez, W. Akers
 - ESB temp sensor detector system graph shown to the team. Temps reached 89.9F and alarm at 90F. Threshold will be lowered. Damage to be evaluated. Had an issue in the recent past over the weekend, problem has been corrected with the building, but equipment inside to be evaluated.
- PMI P. Collins, K. Krug
- **Next meeting (F. Pilat)**