

Minutes of L-N/LBT Regular Teleconference

October 09, 2014; 17:00 – CEST (08:00 MST)

Attendees:

- MPIA: Martin Kürster, Ralph Hofferbert, Thomas Bertram, Tom Herbst
- LBT/Summit: Jonathon Kern
- LBT/Tucson: Al Conrad, Dave Ashby

(last updated 12oct2014)

1. Updates from LBT

- *Upper Instrument Access Platform¹ (UIAP)*
The information needed by LBT to analyze cover-to-UIAP loads was received. No further information related to the UIAP/cover interface is currently required.
- *Clean Room Choreography*
We looked at the drawing provided by Ralph (attached below) and the note Al sent out last week. There are still many out-standing questions:
 - i. Can the LUCI lid and radiation shield be stored outside the clean room?
 - ii. Dave pointed out that for some interventions, LUCI itself comes off the integration stand. Could the two, LUCI proper and the remainder left on the integration stand, fit side-by-side along the width of the clean room?
 - iii. Once we complete the exercise to see how much space is required, will it be necessary to install some additional room in the high-bay? *[After the meeting, in response to checking the first draft of the minutes: MK & RH expressed certainty that additional high-bay space will be required. Editorial remark from Al: Answering this question should be the focus of future discussion; and, if we do need a high-bay structure, what crane capability should it provide?]*
 - iv. Tom pointed out that we have to plan for the cooler and helium bottles. Is there space between the bell jar and the mountain lab?
 - v. Power for the cooler is needed, which might conflict with a LUCI servicing. The power requirements for L-N are given

¹ AKA, the “roof garden.”

in table 26 on page 151 of the ICD (a copy of that table appears below).

vi. Regarding movement in and out:

1. Thomas informed that the do-not-damage-the-floor requirement has been considered (as it was for Pathfinder) and that that requirement will be met.
2. A tow-bar may be needed and should possibly be supplied by LBT.

Action to LBT: Investigate availability of required tow-bar.

Action to LN: Provide the cooler and helium bottle footprints.

Action to AI: Generate a revision of the clean room note that will help answering the above questions in the next discussion.

- *Feedback on the Organization Note for PAE*

The PAE Org note was discussed Wednesday 08.oct.2014 at the LBT weekly management meeting. LBT will likely send 7 people: CV&AC + 3 from engineering (DA, RR, and a laser-tracker-driver) + 1 SW + 1 Science. Participants at the Wednesday LBT internal meeting (based on MODS experience) suggested that the number of days should be increased from 2 to 4. That suggestion lead to some questions: MPIA asked what would be done during those days and this lead to a general discussion of how much functionality is reviewed at PAE for a strategic instrument (versus a facility instrument like MODS). Tom pointed out that this was discussed at a SAC meeting and would provide those minutes. General agreement was that this topic should be revisited during the consortium meeting in Heidelberg.

Action to Tom: Provide minutes of the SAC meeting as above.

2. Updates from L-N

- *Work plan until PAE and progress toward milestones*

Work continues on the 3 items listed in the agenda, cryostat-at-bench, SX GWS installation, and SX loop. This will all be covered in detail at the consortium meeting in two weeks.

- *Plans for consortium meeting (22-23 October)*

Martin and Christian are working out the best time for an “Status of the LBT” talk. This will likely be Wednesday the 22nd at 1600. Martin asked if AI needed a time slot during the regular meeting to discuss some LINC/LBT topics. [*Since the meeting we*

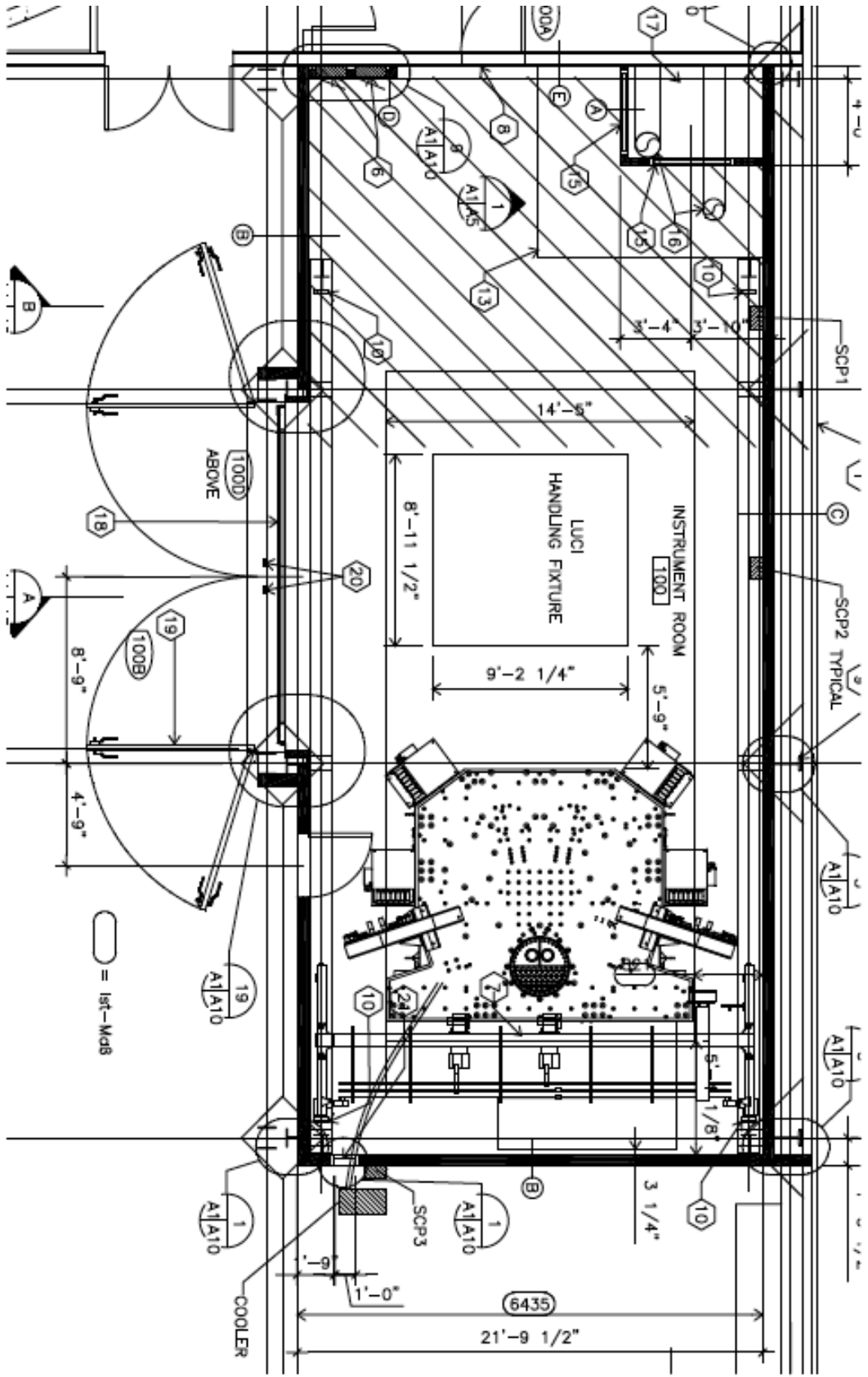
determined: Yes, Al needs a time slot. The list of topics is TBD, but will likely include: PAE org note, clean room, and status of PF computers.]

- *PF/E2*

Al pointed out that there may be a large PEPSI team on the mountain during the LBTB+PF run. Tom said the PF team would number 4 or 5. No new computer is coming on this run. Al mentioned that he had some problems logging into the PF computers when he was last on the summit and will send details about that.

Action to Al: Send out a note reporting problems encountered with the PF computers.

Next Meeting: No teleconference Thursday 23.oct.2014 (superseded by consortium team meeting); next teleconference (TBC) = Thursday 06.nov.2014, 0900 MST (1700 CEST)



7.6.2.2 Electrical Power Supply

The following table specifies the service “main power”.

| Item | Specification | Remark |
|----------------------|---|---|
| Connectors | Mennekes ME560MI9 and ME560P9W | |
| Power supply lines | Non-UPS (208V / 3phase AC 60Hz): 5 x 16 mm ² | No UPS for the cooler LBT0: Allocate circuit in AD 86 |
| Rated power | Cryo-cooler + electronics: 14000W | No standby for the cooler |
| Maximum rate current | Non-UPS (208/3AC 60Hz): 60A / phase | No UPS for the cooler |

Table 26: Electrical power service for the LN Stirling cooler.