



Introduction

Tobias Haas
Technical Meeting
16 Sep 2016

Topics

- Realignment of SASE coordination meetings and follow up on installation plans
- Results of the XHQ Lab review
- Resources for Electronics and Cabling Planning and Production

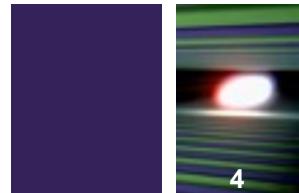
SASE1/3 TGA–Instrument Coordination

- Bi-Weekly meetings
 - Instruments, PSPO, DERU/PI
 - Chaired by G. Wellenreuther
 - ➔ Fine tune infrastructure installations
 - ➔ Coordinate between infrastructure and instrument installations
 - ➔ Review the 2-months' view of the PSPO master plan
 - All material documented in ALFRESCO

Item List TGA Instrument Koordination			14. September 2016		p. 13/13	
No.	Typ	Description				

160	I	<p>von PSPO in 2 Wochen.</p> <p>Stromabschaltung am 27.9. 8:00</p> <p>Ist notwendig für die Aufrüstung der Stromverteilungen für SASE3 und SASE2. SASE1 und die Hallenkräne werden dadurch ausfallen, was die Beleuchtung einschließt. 10 Leuchten gibt es bei T. Schoen, anzuschließen an die SV-Versorgung, welche dann noch Strom hat. Die Verteiler an den Säulen sollten auch Strom haben.</p>				
161	A	<p>Trinkwasseranschluss in der XHEXP1</p> <p>Es steht noch die Bestätigung für die Druckprobe aus, außerdem muss gespült werden und dann auf Keime geprüft werden.</p>	TB		0	
162	I	<p>Stand der TGA-Gewerke:</p> <p>Ehartmann: Haben 5 Monteure, sollen nun Trassenbau abschließen, Schränke 12+13 fertig machen bis Ende September.</p> <p>Vater: LWL-Kabelzug beginnt, Racks werden aufgestellt, Probleme mit Manpower wg. Coax-Anschluss über IMD!</p> <p>Jeske: Arbeitet an Reinigungspatronen für VE-Water.</p> <p>Engie: Arbeiten auf XHQ. Sind stark im Verzug → Sluther schreibt einen formellen Brief.</p> <p>A+S: Sollte nächste Woche anfangen.</p> <p>Liste der Restarbeiten wurde herumgeschickt und besprochen. Vor allem Aufgaben von Engie / Cofely sind kritisch! Sluther kümmert sich darum!</p>				
163	A	<p>Durchflusssensoren D.07:</p> <p>Sind u.U. unzureichend befestigt / gesichert → prüft DERU.</p>	DERU		0	
164	A	<p>Abstand Rack – Plenum in D.13</p> <p>Ist aufgrund der Vorhänge einzuhalten, klärt DERU mit Vater</p>	DERU		0	
165	A	<p>Patchpanel in D.09 und D.02</p> <p>Kabel müssen horizontal vorne ausgeführt werden, da sonst kein Platz ist.</p>	DERU		0	
166	A	<p>Aufbau D.05:</p> <p>JJ Kray kommt, beginnt Aufbau der Komponenten. Tor wurde mit Schlüssel 4 geöffnet → ist geklärt.</p>	EB + PSPO		F	
167	A	<p>DACHS-Installation:</p> <p>Installation läuft, Racks kommen, EH + KMüller sind beschäftigt.</p>	TSchoen		0	
168	A	<p>Finale Kabelschottungen:</p> <p>Wann können die kommen? Kann D.07 vorgezogen werden?</p>	DERU		0	

		Urlaub / Abwesenheiten / spezielle Termine:			
		<ul style="list-style-type: none"> • TSchoen 19-23.9. • SRaabe 15.9.-4.10. 			



SASE1/3/2 TGA–Instrument Coordination

- SASE1: Wednesdays 9:00
 - Started in Jan
- SASE3: Thursdays: 13:30
 - Started in May
- SASE2: (Time to be defined!)
 - Will start in October

SASE1 Coordination

- Focus in SASE1 shifts from TGA to Electronics, Cabling, Instrument Installation & Commissioning
 - From October:
 - ➔ SASE1 Coordination Meeting
 - ➔ Chair will be A. Violante
 - ➔ Focus on Electronics, Cabling etc..
 - ➔ Intensify regular reviews & updates of the Instrument Installation Schedules

Updates of the Instrument Installation Schedules

- 1 Week before the Coordination Meeting
 - PSPO sends out current 2-months view
 - Instruments check the plans and identify updates, conflicts etc...
- During the Coordination Meeting
 - Brief review of upcoming activities
 - Possible conflicts, updates are discussed
- After the Coordination Meeting
 - Instruments and PSPO (K. Piorecki, N. Saaristo) schedule a meeting to implement any necessary updates in the plans.

Prerequisite: ONLY ONE PLAN EXISTS!

Mandate (13 July)

- TS is responsible for providing the labs in E0 as specified in the existing room books
- PSPO initiates a new round of discussions with the future users of the labs (mostly XFEL groups but not only)
 - Gather requirements for additional infrastructure and scientific equipment on the time scale of two years
 - Racks, cabling, computing equipment
 - Chillers, pumps etc for vacuum setups
 - More complex scientific setups with their infrastructure
 - Organise implementation of requirements in cooperation with TS similar to the situation in the experiment hall
 - Based on user input earliest time for presentation could be September

XHQ Lab Infrastructure

- Individual meetings were held with the future users of the labs between 25 Aug and 9 Sep
- Meetings took place inside the future labs
- All users had already made a site visit with B. Bruhn from TS
 - Typically lists of deficiencies were provided to TS
 - Some deficiencies had already been fixed
 - It appears likely that the remainder of the work can/will be done by week 42 (promised hand over)
 - Meetings and lists are documented here:
 - ➔ <http://tinyurl.com/zatf67m>
- Generally, the state of the labs is good
 - Many could already be used at this time
 - AE already moved into their lab

Examples of deficiencies

- Wrong clean room ceiling
- Missing precision AC (laser room)
- Missing power and network sockets (metrology lab)
- No windows where only shades were requested
- Wrong floor in chemistry labs
- Missing heavy load area (HED)



Additional Work Required

- Pumps and chillers to be placed in “Engine Rooms” (Technikzentralen)
 - Holes need to be drilled through the walls
 - Locations are identified and prepared
- Cabling for test stands
 - DAQ Services/DAQ Lab/Clean Room
 - Same type that we have in the Phase II tender
- Some additional furniture, cabinets, work benches
- Laser interlocks
- Some additional gas piping
- Power and network in the metrology lab
- It needs to be decided how these works will be paid for.

Discussion with MB on Tuesday

- Work affecting the general infrastructure will be taken care of by TS
 - Additional power, network plugs, gas lines
 - Additional furniture
- Work affecting user equipment will be planned and coordinated by PSPO
 - Cabling of user equipment and electronics
 - Placement of pumps, chillers and associated works
- Budget for additional work/equipment will be looked at by the MB in each individual case

Electronics/Cable Planning and Production

- Discussion on Wednesday with MB, PSPO, SASE1 Instruments, AE, CIE and IKC
 - What can be done to keep ensure the current dates for SASE?
 - What can be done to accelerate SASE3 and SASE2?
- A number of Homework Assignments were handed out to all participants to be done by next week
- MB will then decide on measures to be taken
 - Additional personnel
 - Prioritisation
 - Possible speedup for Cabling Company Actemium
 - Optimised installation order

Next Meetings

- Meeting of the Vacuum Controls Commissioning Task Force:
 - Today 09:30 after TechMeet next door
 - Regular Photon Tunnel Meeting directly afterwards
- Next XHEXP1 hall coordination meeting
 - Friday, 23 Sep 8:30 XHQ/E1.173