

Introduction

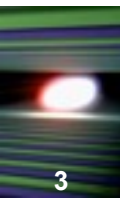
Tobias Haas
Technical Meeting
16 Sep 2016

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

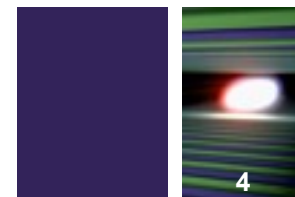


- Bi-Weekly meetings
 - Instruments, PSPO, DERU/PI
 - Chaired by G. Wellenreuther
 - Fine tune infrastructure installations
 - Coordinate between infrastructure and instrument installations
 - Review the 2-months' view of the PSPO master plan
 - All material documented in ALFRESCO

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

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

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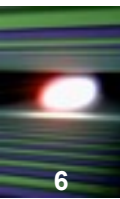


SASE1/3/2 TGA–Instrument Coordination



- 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



- 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

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- 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



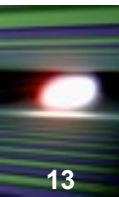
- Pumps and chillers to be placed in “Engine Rooms” (Technikzentralen)
 - Holes need to be drilled through the walls
 - Locations are identified and prepared
- Cabling for test stands
 - DAQ Services/DAQ Lab/Clean Room
 - Same type that we have in the Phase II tender
- Some additional furniture, cabinets, 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

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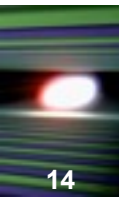
- Work affecting the general infrastructure will be taken care of by TS
 - Additional power, network plugs, gas lines
 - Additional furniture
- Work affecting user equipment will be planned and coordinated by PSPO
 - Cabling of user equipment and electronics
 - Placement of pumps, chillers and associated 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