

**Number**

#006

**Participants**

 D. Nölle (DN)  
 H. Weise (HW)  
 W. Decking (WD)  
 T. Tschentscher (TT)  
 U. Sprenger (US)

**Distribution**

Email list OB

**Date**

16 October 2017

**Time & place**

13:00 – 14:30; DESY, Bldg 24, R, 242

**Agenda**

- 1) Minutes and action items
- 2) Last week
- 3) Next week
- 4) Improvement activities
- 5) Assessment of operational risks, adjustments of operation schedule, etc.
- 6) AoB
  - Rules of Procedure OB

### 1. Minutes of last meeting and action items

The minutes from the last meeting were approved in the version distributed by RW.

**Follow-up**

Follow up	
03.4	Monitor progress on SASE3 photon diagnostics and adjust development schedule accordingly SASE3 work has been deprioritized and schedule focusses on SASE1 lasing performance
04.1	Clarification of general safety organization. Safety organization for DESY site, XTL and accelerator tunnels T2,T4 established; safety organization for photon tunnels and OSBO and Schenefeld shaft buildings under discussion at XFEL GmbH
04.2	Clarify if change of priority from SASE3 lasing to SASE1 FEL characterization is appropriate and if it will be possible to reach requirements (MCP, DOOCS-Karabo interface). MCP is ready, K-MONO ready, DOOCS-Karabo specific interface to be checked next week, general interface will continue to need follow up
05.1	Find out with D3 about procedures for visitor groups under the new access rules to tunnels Individual EPD is needed as part of the access procedure to T6-T10, but no radiation protection briefing as these areas are not controlled areas

### 2. Last Week

Shutdown, works progressing as planned, main achievements are:

- A24 waveguide distribution finished, klystron aligned
- New gun dark collimator installed
- Connection of south branch personnel interlock to facility interlock system prepared

Pump probe timing connection needs to be coordinated, meeting on expert level planned for 23.10.

06.1	PP laser timing connection
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### 3. Next Week

Preliminary schedule for development weeks established, main tasks are:

- Gun will be set-up using the new 'spare' laser, if successful laser will be used for following run (timing connection is improved so stability should be improved, while projected emittance should be slightly worse because of the longer rise/fall time)
- Operate linac into TLD with max. available energy; operate into TLD with 300 bunches
- Set-up collimation, matching and undulator orbit to minimize undulator dose rate
- Improve compression set-up and long./slice diagnostics in BC2
- Beam based alignment and undulator K measurements to reduce saturation length
- Commission photon diagnostics (HiRex, MCP) for radiation characterisation
- Miscellaneous: gun set-up with quad air coils, IBFB commissioning

TT will provide list with photon system tasks and integrate it into program

### 4. Improvement activities

none

### 5. Assessment of operational risks, adjustments of operation

none

### 6. AoB

A new member for the XFEL MAC has been suggested, replacing A. Jankowiak. R. Feidenhans'l will contact him.

One of the next meetings should be devoted to more long-term issues, for instance the OB meeting planning of next year. It is suggested to take the meeting in 2 weeks from now (Addendum: This is the Monday right before the Reformationstag – check availability of people, alternate would be 06.11.).

The MAC agenda is settled (attached), rehearsal is 27.10.

### Follow-up

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03.1	Strong pointing/source point jitter is observed. Monitors have to be added to accelerator controls for quantitative analysis, correlations and hunt for remedies. → measurements after Oct shutdown
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