Minutes

ESS CEA Coordination Committee Meeting

CEA Saclay

December 6, 2017

Attendees: Roland Garoby, Mats Lindroos, Hakan Danared, Wojtek Fabianowski, Anne-Isabelle Etienvre, Florence Ardellier-Desages, Peo Gustavsson, Pierre Bosland, J. G. Weisend II

**Discussions**

1) Various status talks were given. These may be found may be found at <https://indico.esss.lu.se/event/962/>

2) Actions from the previous meeting were discussed

20170621\_CC\_1 was closed

20170621\_CC\_2 was continued with the expectation of closing it in Q1 2018

20170621\_CC\_2 was closed. The reports were created.

20170621\_CC\_3 was continued with a deadline of February 2018

20170621\_CC\_4 was closed for neutron BLM but open for NPM

20170621\_CC\_5 was closed

3) In Roland’s status talk it was stated that ESS will build initially to a 3 MW capacity to ensure that we can easily supply 2 MW to the first experiments. ESS is on track for first beam on target in 2020 with initial Ion Source and LEBT operations to start in Q2 2018.

4) Mats discussed the status of the accelerator project. Good progress is being made in the installation with In Kind Partners. A good example is the Polish IK Partner’s installation of the Phase Reference Line in the tunnel. Tunnel utilities such as cooling water and cable trays are starting installation and we expect to be ready for the Ion Source and LEBT work in early 2018. ESS is optimistic that the Toshiba klystron will be repaired and sent to FREIA soon. Mats announced next semester key dates : TAC and Technical Boards

5) Wojtek discussed the ICS status. Network installation in the tunnel and gallery is underway as is the installation of hardware and software in the local control room. The installation of the Oxygen Deficiency Hazard system is well underway and should be ready prior to the start of Test Stand 2. Integration efforts with the accelerator project are increasing.

6) Florence discussed the status of CEA contribution and the status of the risk register. Machining of sections 2, 3 and 4 of the RFQ is on-going. The FAT of the first RFQ section is shifted to Jan of 2018. The CDR2 of the cyomodule will be held after the full power RF testing next year most likely in April. The start of the medium beta CM assembly is planned for October of 2018. The SAT of klystron at Saclay will be held in January 2018. A Beam Instrumentation Forum between ACCSYS, ICS and CEA was held and was found to be very useful. Pierre reported on the recent M-ECCTD tests and vacuum incident. The next semester roadmap was shared during the meeting.

7) Peo discussed the status of CE marking. The most important issue is to understand what we mean by a declaration of conformity or declaration of implementation. ESS will issue a CR to IK partners on this issue at an appropriate time. CEA raised the issue of the impact on this requirement on their current agreement with ESS and that ESS should provide a template and detailed requirements for a safety analysis.

8) John reviewed recent design, installation and system reviews affecting the CEA work. No major issues have been found though recommendations have been made. These reviews continue to add value and the presence of CEA staff at them is seen as quite important.

**Decisions**

1. The minutes from the last EESI Coordination Committee Meeting were accepted.
2. Two possible dates for the next meeting were suggested May 18 and June 1.

**Actions**

1. Florence and Peo will meet to further discuss the impact of CE markings on the CEA contributions.