

# Minutes of the 7<sup>th</sup> FOM meeting held on 13.05.2014

Agenda:

- 1) Schedule Updates
- 2) Status of the Machines
- 3) AOB

## 1 Follow-up of the last meeting

The minutes of the 6<sup>th</sup> FOM meeting were approved.

### ***Pending actions:***

There were no pending actions.

## 2 Schedule Updates

K. Hanke presented the schedule (v1.2)

[https://espace.cern.ch/be-dep/BEDepartmentalDocuments/BE/Injector\\_Schedule\\_2014.pdf](https://espace.cern.ch/be-dep/BEDepartmentalDocuments/BE/Injector_Schedule_2014.pdf)

There were no significant changes on the schedule except that the cold check-out of the PSB will start on week 20 (instead of week 19, due to the problem with the injection septum).

## 3 Status of the Machines

### Linac2 (D. Kuchler)

The last week was dedicated to check and debug the RF control software.

The problem of the delayed acquisitions of some RF devices was solved by replacing an old CPU with a more powerful one. There are still minor changes to be implemented on the RF FESA classes and on the corresponding workingset. J. Betz informed that the concerned FESA classes are now up to date.

The re-cabling campaign of the spare power converters of LT.BHZ20, LT.BHZ30 and LT.BHZ40 was completed.

### PSB (J.-L. Sanchez Alvarez)

The septum intervention took place on Tuesday. Yesterday the ions pumps were switched on. M. Hourican informed that the bake out will take five days. It will be done in coordination with the vacuum team and it will start as soon as possible (probably tomorrow, 14 May).

On Wednesday there were problems with the acquisition of some devices.

There was a problem with the fine delay signals. The PS and PSB fine delays were interchanged.

On Wednesday there was a patrol, but on Thursday the firemen team forced an access door. Two additional patrols were needed afterwards. D. Manglunki asked why the firemen had to force the door. J. L. Sanchez Alvarez answered that they had to exchange the fire extinguishers but there was a misunderstanding concerning the access procedure. P. Sollander will contact the responsible to inform him about the access procedure.

There were some CO problems during the weekend. It was found to be related to a RDA3 issue when the RBAC token is lost. The RBAC token lasts 8 h.

Concerning the FESA class PowM1553: the class is not correctly notifying the new acquisition. The expert (D. Calcoen) is on leave and when he will back the problem will be fixed. K. Hanke and J. Betz observed that D. Calcoen has no replacement. The EPC group is aware of the problem.

The machine will be operational apart from the septum and some BI devices. All the power supplies will be “deconsiged”.

M. Hourican informed that there is a small leak on the septum.. It will be monitored during the bake out. If necessary varnish will be applied.

#### **PS (G. Métral and S. Mataguez)**

On Monday the hardware tests were stopped for putting back the magnet covers.

During the week the F16 line was tested.

S. Mataguez informed that a part of the covers were not put in place since D. Bodart required performing additional tests on some MUs. In this situation there is a security issue with access to the machine. R. Steerenberg asked how much time the test would take. S. Mataguez answered that it will probably take 10 hours. R. Steerenberg will organize a meeting to clarify the constraints and plan the intervention.

S. Jensen informed that there will be two CO dry runs during the week: on Wednesday for the PM RF linked trees and Timing Survey and on Thursday for the septa displacement. New versions of DIAMON and LASER will be released.

#### **SPS (D. Macfarlane)**

On schedule. Basically the entire SPS will close on Friday the 27<sup>th</sup> June with the exception of BA80 (this area will remain open until the end of September) and TAG41 (the old CNGS area, this area will remain accessible for AWAKE).

#### **ISOLDE (D. Voulot)**

Concerning the vacuum leak on the HRS20 magnet, the leak location was identified and a replacement piece is being produced. For the repair the magnet has to be moved (next week). This operation is delicate since the magnet was not moved in the last 20 years. All the intervention will be absorbed in the cold check-out schedule and it will not impact on the

ISOLDE physics program.

The maintenance on the front-end is going-on. The high voltage cleaning will be performed by the end of week.

Overall checks are continuing. There were problems on the vacuum control. K. Hanke asked if the equipment teams are providing adequate support in this phase of the commissioning. D. Voulot answered positively.

#### [nToF \(\)](#)

No news.

#### [AD \(\)](#)

The schedule of the AD schedule was presented to IEFC. AD will receive beam on the 1 August.

#### [East Area \(L. Gatignon\)](#)

IRRAD facility confirmed the already communicated delay. The others experiments are on schedule.

#### [LEIR \(D. Manglunki and N. Gilbert\)](#)

N. Gilbert informed that the machine will be closed by the end on the week. On Friday the power supplies will be “deconsiged” and the power test will start on Monday.

K. Hanke informed that from the next FOM, the ion injectors will be included in the “Status of Machines”.

#### [TI \(P. Sollander\)](#)

Nothing to report.

## **4 AOB**

P. Ninin reported on the problems of the new access system.

The access system has two main components: PASS (the hardware layer running on low level and controlling the interlocks) and PACS (software layer dispatching authorizations, IMPACT requests...). By its nature PASS is much more reliable than PACS. During the last weeks there were several problems on the PACS side but PASS was always available and working.

P. Ninin suggested to the OP teams to refer to PASS in case of problems on PACS.

Last week, the PACS problems were due to an issue with ADAMS that conflicted with some

software modifications: the PACS CPU server was overloaded and all processes were very slow or stacked. The experts tried to solve the problem by cutting the server redundancy. Connected to this intervention the process in charge of counting the people in the tunnel was lost. But PASS was working as expected.

Today all stakeholders are on the problems. This evening they will expect to have a better understanding of the situation and will reinforce of the diagnostic to solve the issues.

K. Hanke and G. Métral commented that even if the PASS is working correctly it is missing important functionalities needed in this phase of the commissioning. Unfortunately these functionalities are present only on PACS and are not operational available at the moment. R. Steerenberg informed that a list of bugs and requests for new functionalities (e.g. TV signal to monitor the tunnel) has been prepared by OP.

S. Jensen asked who is the contact person for CO concerning Linac3. This is under discussion in the OP group.

The next FOM meeting will be held on 20 May. The agenda will be communicated in due time.

Minutes edited by G. Sterbini.