

04/02/2013

(04/02/2013, Bat.866, 2pm) Minutes of the LS 1 Readiness Meeting

Description of the Meeting:

The meeting was held to finalize the schedule of the first LS1 interventions for the different experiments. Schedules have been discussed for ALICE, LHCb and for ATLAS. The discussion on the CMS interventions had to be cancelled.

Presentations can be found in indico:

<https://indico.cern.ch/conferenceDisplay.py?confId=229946>

ALICE Review 14.00-14.30 pm

People in attendance:

Arturo Tauro	Arturo.Tauro@cern.ch	PH-AIO
Giulia Lanza	Giulia.Lanza@cern.ch	TE-VSC-LBV
Gregory Pigny	Gregory.Pigny@cern.ch	TE-VSC-ICM
Jaime Perez Espinos	jaime.perez.espinos@cern.ch	TE-VSC-EIV
Jonathan Bosch	Jonathan.Bosch@cern.ch	TE-VSC-EIV
Kaan Vatansever	Kaan.Vatansever@cern.ch	TE-VSC-EIV
Mark Anthony Gallilee	mark.antony.gallilee@cern.ch	TE-VSC-EIV

Notes

- In order to get space to install missing TDR Supermodules all the vacuum chambers, except RB24-3 that traverses the fixed shielding, need to be removed. This also includes the warm modules as well as the ion pump.
- Some Beam Loss Monitors (BLM) will need to be removed before the chamber removals (Responsible: Bernd Dehning,/BE-BI-BL). This shall be done only when the beam pipe is under Neon, starting from the 28th of February.
- For the Neon Injection an impact request from the Experiment is required (Responsible: Arturo Tauro)
- The manual sector valve needs to be closed on following dates:
 - 13th February from 8am-11am
 - 14th February the whole day
- It was emphasized that any High Voltage connections must be unpowered before any intervention close to HV cables. This must be also be done for the Penning Gauges which work at 3kV. This shall be included into the intervention procedure (Giulia Lanza).
- Jaime Perez Espinos will be the responsible for writing the Impacts for the removal interventions from the TE-VSC side.
- The Beam pipe storage has been agreed on. It will be stored on a “non-accessible” platform where no interventions will be done in the nearby area.
- For ALARA reasons a dose estimate is needed for all interventions. Material which leaves the cavern must be transported to the buffer zone and must be measured in terms of radiation. This includes the Warm Module type VMAAC (Jaime) and the BLMs (Arturo).

Overview of actions

- Prepare a formal request for the Neon Injection (Arturo Tauro)
- Prepare impact request for removal procedures (Jaime Perez Espinos)
- Make sure all HV cables are disconnected (Greg, Giulia)
- Make sure gate valves of sector RB24 are closed for removal procedures (Giulia)
- Check detailed procedure to remove material from the cavern (Jaime/Arturo)

LHCb Review 14.30-15.00 pm

People in attendance:

Cedric Fournier	Cedric2.Fournier@cern.ch	PH-LBO-DO
Cedric Garion	Cedric.Garion@cern.ch	TE-VSC-EIV
Eric Thomas	Eric.Thomas@cern.ch	PH-LBO-DO
Giulia Lanza	Giulia.Lanza@cern.ch	TE-VSC-LBV
Gloria Corti	Gloria.Corti@cern.ch	PH-LBD
Gregory Pigny	Gregory.Pigny@cern.ch	TE-VSC-ICM
Jerome Chaure	jerome.chaure@cern.ch	TE-VSC-EIV
Jonathan Bosch	Jonathan.Bosch@cern.ch	TE-VSC-EIV
Kaan Vatansever	Kaan.Vatansever@cern.ch	TE-VSC-EIV
Mark Anthony Gallilee	mark.antony.gallilee@cern.ch	TE-VSC-EIV

Notes

- On 13th February a survey on the beam pipe will be performed in the afternoon. Mark Antony Gallilee will assist on the target installation(Responisble: Jean Christophe Gayde)
- Due to Powering Tests the exact date for the Neon Injection has yet to be determined. The Neon Injection can be done only in the IP Region first. To do a full Neon injection from Vax to Vax one needs to pump down again since there will be a pressure difference between the sections. To do the Neon Injection Giulia Lanza needs access to the platforms two days before.
 - EDIT: Neon injection date has been agreed on 25th February
- For the opening of the TT detector the beam pipe has not to be under atmospheric pressure.
- The standard Opening will start in Week 15, followed by one month of dismounting chambers. Jerome needs to verify in detail if all the procedures are still viable due to changes in the experimental area.
- Protection of the vacuum chambers shall be installed by Week 10.

Overview of Actions

- Check exact dates for the Neon Injection (Mark)
- See if chamber removal procedure is still valid due to changes in the experimental area (Jerome)

ATLAS Review 15.00-15.45 pm

People in attendance:

Giulia Lanza	Giulia.Lanza@cern.ch	TE-VSC-LBV
Gregory Pigny	Gregory.Pigny@cern.ch	TE-VSC-ICM
Hendrik Kos	Hendrik.Kos@cern.ch	TE-VSC-EIV
Jonathan Bosch	Jonathan.Bosch@cern.ch	TE-VSC-EIV
Kaan Vatansever	Kaan.Vatansever@cern.ch	TE-VSC-EIV
Mark Anthony Gallilee	mark.antony.gallilee@cern.ch	TE-VSC-EIV
Michel Raymond	Michel.Raymond@cern.ch	PH-ADO-PO
Olga Beltramello	Olga.Beltramello@cern.ch	PH-ADO-PO

Notes

- Neon Injection will be done on the 13th/14th February. The cavern will most probably not be accessible before 10am. Michel Raymond will let TE-VSC know if this can be done earlier.
- A request for the Neon injection has to be submitted (Giulia)
- The impacts will be splitted into two impacts, one for the machine and one for the cavern. Mark will do the impacts for each Team.
- Exact times and details need to be prepared for the cabling checks and reported to Olga Beltramello. In addition it should be examined if all the cabling checks need to be done immediately or can be postponed due lower the personal dose.
- The radiation doses for certain areas are 2-2.5 times higher than expected. RP is working on correct doses which are most critical for the VJ Area.
- The exact removal procedure for the VT needs to be determined (crane?)
- The folded VA chamber should not be carried by hand to lower the personal dose. A tooling to carry the chamber needs to be prepared (Hendrik Kos)
- The crew of TE-VSC will be monitored carefully by RP during all interventions. A training for the case of a possible contamination is planned.

Overview of Actions

- Check how VT will be removed from Cavern (Mark)
- Include the cabling checks into the intervention procedures (Mark)