

23rd ESS ILO Network Internal Meeting

14th April 2026, 9.00-12.00 CET

Attending: Grégory, Ghaleb, Javier, Jiri, Jacek, Mike, Michel, Sara, Jonas + Sonja, Ole Petter,

ESS: Mirko, Charlotte, Shilan

Not attending: Mauro (on ET workshop), Ott, Gabor

Agenda

1. Welcome and introductions – 9.00-9.15

MM notes: Introduction of Shilan Babanzadeh, ESS Procurement Officer.

2. Feedback from the ILO internal meeting on 13th April 2025 (Grégory) – 9.15 - 10.00

MM notes:

Grégory sharing on screen:

- Communications ESS/ILO's and procurement data
- Topics and pending issues
- Miscellaneous

Notes and minutes > ESS in charge, list of actions of owners

Document repository > Indico in place, check access rights. Would be good to have the list of previous meetings, minutes and so on > **Charlotte will investigate with Carolin in DG Office.**

Ole Petter: Create folder and add all ESS meetings (ILO)

PO and tender statistics

ILOs should be on the radar of the purchasers > Mirko: Always aiming to share the ILO info
Data sharing is on a good level, PO and payment, tender data will follow and overalls. Thanks from the ILOs.

Country of origin is always interesting. Mirko: LSE project with data on innovation, maybe this with AI could be used to trace how the value was created and if it was somewhere else.

Action to ESS: Send a quick notice to ILO when new tenders are published!

Procurement plan: Mid and long term, it is important that we develop a procurement plan and that ILOs get informed about it.

Grégory: Industrial return coefficient. MM: We show all data with proc, IK, Skanska and contribution.

ILO involvement in ESS procurement practice

Role in operations, ILO role, help in identifying partners, no AFC feedback yet after Grégory and Mauro presented. Maybe Mirko can ask? GC could write a report for the AFC on 28-29 Apr. Grégory can write to Johanna.

Possible involvement in prep of future investments, ILO role development in SSO. ILOs have networks of industrial partners. Want to contribute more.

Topics to discuss

Progress in construction, towards operations.

- Current status on BoT
- Acc commissioning
- Rescoping of instruments

New investments

- Current status of new instruments, process of new proposals, unsure of current situation, second wave this or next year? Question of funding stream is still open. Discussed significant funding from outside ESS.
- Phasing out of IK. **Note Mirko: A new collaboration framework is envisaged under which member states can contribute. This will replace the current In-Kind mechanism but work similarly.**

Miscellaneous

- BSBF2026 visit to ESS on 2nd June, programme on BSBF website, max 30 people. ILOs can suggest to companies to register. **Note Mirko: In the end it was more like 10 people. Interest overall for all BSBF visits to facilities is very low. The number of participants at ESS was low but still higher than at ILL and ESRF for example.**
- Prep for September meeting on 14-15 Sept, suggested agenda. Helmut so far confirmed. Invite AFC chair? Head of Admin? Specific technical personnel (in charge of significant procurements)? Science Division, instrument projects (NSS), experimental support (Science, Sample environment, Hanna W)? New and interesting people. **Note Mirko: Asked DG Office to confirm that Helmut comes at the beginning. Anders, Admin Director, will come. NSS procurement status will be part of the procurement presentation.**

3. ESS Procurement Update with latest statistics and plans (Mirko + Charlotte) – 10.00 - 11.00

MM notes: ESS presentation

Further explanations on

- SPL team
- Workload development
- Project planning
- Future IT architecture / EAM-ESS On integration
- Supplier screening and sanction control + supplier managements (working with QA)
- Procurement data, overall ESS data, “return”
 - o Jonas: How other facilities show it: Country procurement return / country cash contribution) / (all procurement returns / all country cash contributions)

4. ESS Project update, Nick Gazis, 11.00 - 11.45

MM notes:

Presentation

Describing the “ESS way”

Facility details

Detailed status on HRU

MRP failure Root-Cause-Analysis

Controls

Instruments

Users

Own group > mechanical design

Project update - timeline

Q&A:

Ghaleb: MRP RCA, FZJ will help, MRP2 will also have thin pipes of Aluminium, what did you find out, how do you prevent the effect of a black-out in the future?

Nick: Yes, we will have thin walls of AL-alloys, design not changed. Considered to be a too big risk for operations to change design at this stage. Instead looking at the mechanism that caused the damage, looking at the thermal spots. Major focus is not on the component but the operational conditions. Several interlocks kicked in, the critical interlocks for this component that could have prevented kicked in but were not prioritised. We will have power disruptions, but we have to prevent the following combination of events and that the interlocks kick-in with priority to prevent the damage happen again.

Ghaleb: Could be made easier, power disruptions were too long, water circulation pump stopped too long. Main steps should be to prevent the power supply stop for longer period of time.

Nick: We need to look into redundancy in the system.

Sonja: When ramping up power of the source, can it be done in a shorter time period? Most instruments don't need the full 2.7ms? 1ms might be enough.

Nick: Not fully aware of this, can check with ACC-DIV. Will be discussed more when we really produce beam.

Sonja: More for awareness of the "proton people" that many instruments shave-off the peak of the beam to get the resolution they want to have. Time structure to be optimised for the instruments.

Grégory: Issue of warranties, delays, running out of warranty?

Nick: No easy answer, from engineering, scheduling acceptance test to be within but not always possible or not fully.

Mirko: Case-by-case, working with suppliers, not always straight forward legally. Can be inherent faults.

GC: Still making progress on development and commissioning of the accelerator?

Nick: Yes, correct. Still working on the accelerator, it is cooled down, all cryo circulation is pretty much working and under control. Warm linac produces beam. Spoke section is cooled and commissioned, all cavities have seen RF, there is confidence. MB and HB cavities are cooled down but to be commissioned with RF soon, has not happened yet. We will have to see how it goes. Also, beam dump cannot receive full beam. Team works as usual. **Comment Mirko: Beam on Dump 2 run has been successfully completed beginning of July.**

Sonja: Works with Comms team at ESS, wants to call it first neutrons instead of BoT for obvious reasons. Accelerator of course things of the proton "beam" on the target.

Nick: Correct 😊

GC: New instruments. Delay of BoT, is there a delay on effort of call for new instruments?

Nick: Not fully aware, knows the call is out, not heard anything of a delay. Giovanna working hard on to keep the timeline.

5. AOB, closure of meeting, 11.45 – 12.00

MM notes:

GC: Thanks to Nick!

Actions, minutes, presentations on Indico, more stats from Mirko, AFC follow-up, planning the site visit (Control room)

Date for autumn ILO meeting at ESS Lund: 15 September 2026