

Proposal for the shifts organization

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Guiding principles

- Produce a **fixed and evaluable scheme**
- **Reduce and optimize the amount of time covered** in monitoring to gradually transit to an alarm-based monitoring:
 - ➔ Not always the alarms are issued, or issued in time → need more work to validate them but **we anyway should start the transition**
- Evaluation system to take into account different aspects of the monitoring (experts, exc.)
- Not all “expert” shifts have the same commitment: e.g. we must have a gas system and HV expert who gives the availability to react promptly, while a milder commitment is asked to the DAQ/Midas and Cloud System experts
- **No need for scheduled in-person shifters**, but they could still be needed if called by the Run Coordinator (RC)
- Effort to be shared among different institutions. The rule to assign a certain number of Shift-Equivalent Units (SEU) still under development.

Current proposal: in person and expert shifts

- **In person shifts** are organized, if needed (e.g. to swap the recovery bottle), by the RC
- **Expert** shifts: 24 h shifts
 - ➔ **Type A** experts :
 - ⦿ DAQ && MIDAS
 - ⦿ Cloud services (Grafana, Middleware, AutoReco, Midas2Cloud, etc.)
 - ➔ **Type B** expert:
 - ⦿ HV && Gas System
- Expert shifter **duties**:
 - ⦿ **Type A**: Giving support to the remote shifters (as they should be able to solve the issues by themselves)
 - ⦿ **Type B**: Being ready to promptly react and act on their sub-system

Current proposal: evaluation of the shifts

- Remote daily shift from Monday to Friday: 1 SEU
 - Remote daily shift from Saturday to Sunday: 1.5 SEU
 - Fe calibration: 0.5 SEU
 - In person shift: 1.5 SEU
 - Type A Expert shift: 0.2 SEU
 - Type B Expert shift: 0.5 SEU
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- Total SEUs in one month [30 days, 4 weekends] to be shared among institutions:
 - ➔ $99 \text{ SEU} = 72 \text{ SEU (remote shifts + Fe calibs)} + 12 \text{ SEU (Type A experts)} + 15 \text{ SEU (Type B experts)}$

Current proposal: status

- The idea of producing this proposal was born in the SC meeting of last Tuesday
- It will be submitted and eventually approved at the next SC meeting
- The idea is to implement this scheme and eventually fine tune it after a “commissioning” period of e.g. 1 month