

Question B3 PS3.7: What are your experiences to monitoring of IEC 61850 based PACS and how you secure the operation of critical infrastructure and respond to the incidents?

**Centralization of monitoring and baseline**

- First point to monitor the PACS system is to centralize its management:
  - Schneider is using one tool with the capability to monitor all devices of the system with IEC 61850 device monitoring data
  - The tool is not only based on IEC 61850 but integrates also other monitoring protocols like SNMP or DPWS for devices supporting them
  - This tool is also capable to gather automatically disturbance records
- To secure operation in case of an incident:
  - The tool is managing a baseline with all events on the system (new configuration, new firmware, new disturbance, ...)
  - With the baseline a user can come back easily on a previous working version of the system or look at the status on a given event in the system

