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| Datum 16. March 2018 Zeit 14:00 – 15:30 Ort XHQ E1.172 Agenda  * Discuss technical details / constraints about the rollout process of Karabo with instruments and support groups  Next meeting  * To be agreed | Teilnehmer G. Wellenreuther  H. Santos  K. Wrona  P. Gessler  N. Jardon  J. Tolkiehn  J. Szuba  M. Messerschmidt  R. Bean  A. Galler  D. Khakhulin  A. Violante  S. Hauf Material Slides by H. Santos: https://indico.desy.de/indico/event/20175/contribution/0/material/slides/ | Verteiler G. Wellenreuther  H. Santos  K. Wrona  P. Gessler  N. Jardon  J. Tolkiehn  J. Szuba  M. Messerschmidt  R. Bean  A. Galler  D. Khakhulin  A. Violante  S. Hauf |  |

Following up on a presentation given by H. Santos in the Readiness meeting on the morning of the 16th of March, we met in order to discuss the technical details and constraints both by the other support groups (AE, ITDM, DET) as well as by the SASE1 instruments.

Summarizing our conclusions, sorted to reflect the process from start - end:

* It should be possible to **integrate the tests regarding PLC-systems into the pre-release tests by CAS**, e.g. to make sure communication with the PLC-systems is still working or if problems are detected, to delay the release**.**
* **A release of Karabo can only be applied in a shutdown if it is properly tested by AE, ITDM and DET**. The time required for these tests depend on the amount and quality of changes implemented by the new release, and could go from as little as 1 day to weeks or even more.
* Due to the uncertainty about the time required for the tests by ITDM and DET, scheduling the tests at the beamline is considered to be senseless. **Whether a new version of Karabo is deployed, and where** (read: on which particular subsystem on an instrument) **and when has to be negotiated with and ultimately decided by the instrument itself according to the scope of the new Karabo version (fixes and new features).**
* **After a release of Karabo no further features should be implemented** by AE, CAS, DET and ITDM (“feature freeze”), e.g. no items from the backlog or similar. **Interfaces have to be kept in particular!** Exclusion have to be communicated, could be decoupled issues e.g. related to the detector or data analysis.
* After a release & deployment the new control system and interfaces (Karabo, DAQ and Firmwares) has to be immediately & thoroughly tested, by CAS, ITDM, DET and later the instruments. Found issues will be reported back to the accountable WP (i.e. CAS, ITDM, DET and/or AE).
* Relevant for scheduling are the requirements to
  + have a stable DAQ-system in the tunnels shortly after accelerator start-up
  + have a stable DAQ-system at the instrument on the last “yellow” (read: X-ray development) day the latest – even earlier detectors are involved
* To be taken into account: Changes of the control system affecting detector calibration might easily “cost” in the order of two weeks beamtime to re-record calibration data etc. at the beamline
* DET mentioned that beam is not/cannot be needed to test Karabo and AGIPD/LPD. That way, CAS will add the CAS-DET integrated tests as earlier as possible in the Karabo rollout. For example, as one of the acceptance phases.
* Hugo agreed to update the Karabo Rollout Process, incorporating the suggestions for this meeting. He will share it again.