Planning and Tracking Dry Runs

- Online access to planning
- □ Dry runs into check list tool?

What is done when?

- □ IST → equipment groups carry out tests to assert optimal functioning of equipment
 - During shutdown or HWC period
- □ Dry run → vertical slice test in collaboration between equipment groups, CO, OP from equipment to control room application/algorithm/setting
 - During shutdown or HWC period
- HWC/check out: OP runs equipment with control room tools with all interfaces and within operational scenarios. Machine is run as with beam
 - During HWC period

Planning

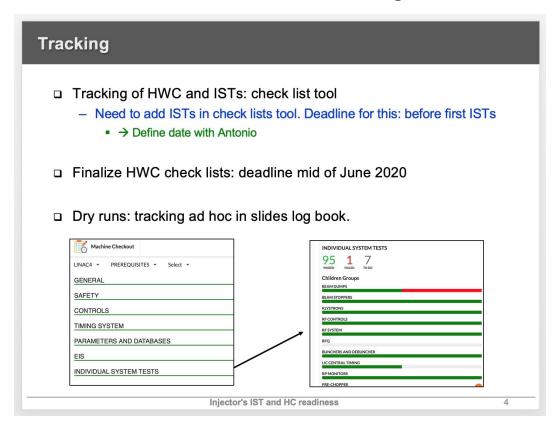
- □ The lists are available for the various machines
- Dates to be inserted into MS project
 - Extra category: → not according to accelerator zone
 - Should be possible to show dry planning in calendar view → possibly all machines
- □ Technical details to be sorted out for end of January

→ should enable equipment groups, CO to be pro-active.

Mainly dry runs during shutdown need special attention

Tracking

From discussion in the SPS commissioning WG



→ Proposed dry run tracking was not satisfactory to everybody

After reflection and discussion: Tracking

- □ 2 categories of dry runs (also ISTs)
 - Cat1: Dry runs that will have to carried out in that form each LS/YETS
 - Cat2: Dry runs that rely on specific test environment that was put in place for staged deployment and early testing given the complexity of system/process
 - Part of procedure will used only once
 - Systems/processes with Cat2 dry runs will have Cat1 dry runs/HWC tests in the final configuration during HWC.
- □ The check list tool is meant for "eternity"
 - Lists that have been prepared for one-off tests will be visible for LS/YETS to come

After reflection and discussion: Tracking

- □ → Cat1 dry runs will be part described in check list tool
 - − → tracking automatic
- □ → recommend to describe check list of Cat2 dry runs in ad hoc format
 - Presentation/discussion of results and issues one of the key agenda topics for machine commissioning meetings
 - Tracking and re-scheduling within machine commissioning/coordination team in their format
 - Re-scheduling → MS project planning update
- □ Example of Cat2 dry runs:
 - RF ATIM testing with lab oscilloscope to verify correct timing and applications setting through JAPC directly, not yet through LSA
 - SPS BPM electronics testing with ALPS FESA class for one sextant only

Other consideration

- Equipment groups to use check list tool for ISTs and/or their commissioning?
- Similar considerations
 - → describe tests that validate the final configuration of system
- Then check lists are an asset during the commissioning
 - Procedures kept alive and updated as part of commissioning analysis
 - Tracking and statistics automatic
- Depending on how equipment groups want to use it, care needs to be taken when defining initial structure
 - Across complex in one view for given system? All group equipment per machine?,...