

Crab Cavities Technical Coordination XXXIX



Location:	376/1-020
Date:	23rd October 2017, week 43
Time:	10h30
Scope:	coordination and alignment of tasks involved in the preparation of the cryomodule test, follow up of master plan.
Attendees:	Aurelio Berjillos, Marco Garlaschè, Kurt Artoos, Eduardo Cano, Karl Schirm, Krzysztof Brodzinski, Mateusz Sosin, Simon Barriere, Frank Gerigk, Carlo Zanoni, Vivien Rude
Master schedule:	EDMS 1747466
Logbook:	http://elogbook.cern.ch/eLogbook/eLogbook.jsp?lgbk=387
Indico:	https://indico.cern.ch/event/674694/

Master schedule:

Aurelio presents the Master Schedule. We are currently in step 3 of cryostating and the schedule progresses as planned.

On the 15th of November the M7 bunker has to be ready to receive the cryomodule. Starting from that day, the two successive days are reserved for alignment and validation of the closed cryomodule. The cryogenic test and preparation would start on the 20th of November and last until the 14th of December. In this new version of the schedule, two days of “cold test buffer time” have been included, from the 14th to the 18th of December. This time can be used for RF tests, or as back-up time in case something goes wrong. As stated by Serge outside the meeting, there would be no helium available from the 18th of December. After those days, the cryomodule warmup would take place until the 21st of December. Also in this version of the schedule, the “cutting jumper lines” activity has been shifted to after Christmas. The AUG test in SM18 would take place the 11th of January.

Krzysztof asks whether the preparation of the cryomodule in the bunker starts on Monday the 20th of November and he receives an affirmative answer. In that case, helium will be pumped during the weekend, according to his plans.

Regarding feedback from vacuum, there was a meeting during the previous week in which that topic was discussed. The minutes of that meeting will be circulated.

Valve Box and cryo in M7:

Marco updates on the progress of the cryomodule assembly. Step up to 11 is already finished. Today, 23rd of October, the coaxial cables will be assembled and RF measurements will be carried out. During the rest of the week, the bottom part of the vacuum vessel will be installed on the rail, the string will be inserted into the cryostat.

Regarding the valve box, Frank informs about an email sent by Olivier Pirotte. Olivier says that the decision on the plan to be executed (“plan A”, with valve box or “plan B”, without it) has not been taken yet. After conversations to Serge and Krzysztof, Frank understood that the valve box will allow a better control and diagnostics of the cool-down and warm-up procedures. Krzysztof confirms that

the valve allows to perform a precise online diagnose of the heat loads. Therefore “plan A” is the preferred scenario.

Action list and AOB:

Frank proposes as a new action a planning consolidation between Alick and Aurelio. Nevertheless, the planning has already been adjusted and the misunderstanding on the schedule has been solved. Therefore, there is no need to include such action in the action list.

Kurt informs that he visited the company that will deliver the table. He says that they will deliver the table before Christmas and shows some pictures of the table, the screws and the bearings. By the middle of November the company will assemble all the components and test the table.

Next meeting: 6th of November

Action list:

General and Planning:

ID	Action	Who	Opened	Closed	Result, Comment
49	Define detailed test sequence of Cryomodule in SM18	Rama	27.2.2017	16.10.2017	Presented at the CC Review, Rama elaborates the details with all actors. To be presented at TCC, end Sept
56	Bottom-up planning of SPS activities for YETS	Giovanna	8.5.2017		In work, deadline: SPS Coordination Meeting
61	Report on readiness of controls software and hardware	Rama	30.8.2017		With Eric, Philippe, Andy, Luca, in 1-2 months
62	M7 integration plan and inputs/outputs from/to other groups	Alick	11.9.2017		For the next CCTC on 2 October
63	Interlocks definition and strategy	Giovanna	11.9.2017		
64	Cryogenic cooldown before/after Xmas break	Giovanna with CRG	11.9.2017		
67	Operativity of SM18 during Christmas break	?			
68	Details and priority of RF tests in SM18 (+SPS)	Rama			
69	Confirmation of the amount of helium to be released	?	16.10.2017		

Documentation:

ID	Action	Who	Opened	Closed	Result, Comment
44	MTF to be updated with actions on RF conditioning. RF test reports to be placed in correct node.	Carlo	30.1.2017		Input needed by Alick. Karl will follow this up too. Reminder sent by Carlo.

Space:

ID	Action	Who	Opened	Closed	Result, Comment
57	Follow-up of space in bldg. 2002	Frank	8.5.2017		B.2002 will be cleared (G. Mcmonagle) before Dec17, for SRF use
65	New storage space urgently required. Verify availability of bldg. 150	Frank	2.10.2017	16.10.2017	No option to store anything
66	Storage space also needed for the DQW toolings	Frank, Rama	2.10.2017	16.10.2017	The temporary solution in 162 continues. The material which is there right now can stay. 2002 will be used to store tooling and material as soon as it becomes available.

Minutes taken by Eduardo and Carlo