

Dean A Hoffer

From: Ken Stanfield <kenstanfield@comcast.net>
Sent: Tuesday, July 16, 2013 8:21 PM
To: Erik E Gottschalk; Joel N Butler
Cc: Dean A Hoffer; David C Christian; Eric B James; Dmitri S Denisov; Robert J. O'Sullivan; David A. Leeb; Marc L Kaducak; 'Ed Temple'; Michael Dinnon; John E Anderson Jr.; Kathryn Zappia
Subject: Questions from the Committee

Joel and Eric,

The committee would like to have information requested / answers to the following questions during the session tomorrow allocated for this purpose.

Ken

1. Please provide a table comparing your status with the CD1 requirements from DOE 413.3B.
2. Please present your staffing needs required by the plan, describe any areas where there may be anticipated shortfalls, and describe your plan for acquiring this labor. In other words, present a staffing plan for the project.
3. Show the critical path for the entire project.
4. Present a list of procurements for the project.
5. In what areas are there non-vanishing risk of substantial delays to the US project in the case of delays in providing components by non-US US CMS participants? How will the project mitigate such delays?
6. What elements of the HCAL upgrade are expected to continue to perform reasonably well after Long Shutdown III (after ~2022)?
7. How are future required changes to the project organized: both technical (with CMS collaboration) and funding/manpower (with the project and funding agencies)?
8. We would like to have a presentation tomorrow afternoon that summarizes what has been learned about how to make the thermal and mechanical joint between pixel blades and rings. The schedule now says that a decision on how to make this joint will be made in October. What new results does the group expect to have that might lead them to choose some other option than the "gluing" option.
9. How has each section of the project assigned ESH&Q Risk Levels to their section of the project?
10. Is it intended to include activities and milestones, with logic, in the schedule related to CMS Shutdowns, Off-Project Work and CD Approvals in the Funded Leveled schedule?
11. Please provide a list of items to complete (i.e. include updating each individual required CD-1 document), which requires completion once the schedule is finalized (funding profile met). Include on a timeline?
12. Can the team provide an order of magnitude estimate for work in the Cost Estimate that is not required to meet the Threshold KPPs?
13. Can the expected Funding \$s for FY13 and the Project's expected Obligations be provided. Also, is there a Funding Projection in FY14?
14. Does the Project plan to request a CD-3a – Early Procurement during the CD-1 DOE review? If so, will this be represented in the Project Plan?
15. What is your plan for completing the RLS development called for at the May internal review?
16. What has to be done for a DOE CD-1 review-capable RLS, in addition to the items identified in May that are not yet complete?
17. Does the schedule consistently include resource-loaded tasks for project-required uncosted/contributed scientific effort, other than at CERN?