

Subject: [[Eic-projdet-tic-l]] TIC meeting , April 7, 2025 (Detector mechanics and integration, monthly update; preTDR draft Version1, review) - summary notes

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Dear Colleagues,

this e-mail is to underline the main outcomes of the April 7th, 2025 TIC meeting dedicated to (i) Detector mechanics and integration, monthly update; (ii) preTDR draft Version1, review update.

Communications on April 7th:

- from TC-office:

- Welcome to Caroline Riedl now serving as DSTC for the Backward HCAL DSC..
- preTDR draft Version1, review TIC meetings on April 14 (EIC R&D Day in the same week) and on April 21 (Easter Monday).

- (i) Detector mechanics and integration

The report has focused on GST Workshop (March 24, 2025; notes appended to the TIC meeting INDICO page), Cradle Updates, Services. The GST Workshop was very productive with main focus on ToF (temperature requirements, service considerations, geometrical layout), Inner MPGD (FEB mounting and overall installation onto PST), MPGD Disks (Installation into PST, services routing, temperature concerns for beampipe bakeout) and pFRICH (rails).

- (ii) preTDR draft Version1, review

The review is on going and it is well advanced.

About feedback:

- Prescriptions valid for all DSCs, they were presented.
- Feedback specific for each DSC and corresponding subsection will be made available to DSCs by mid April (dedicated repository).

The present prescription can be found in the slides. Here the summary of a number of useful

comments and suggestions:

- for each DSC, Requirements should include more items (a list will be prepared);
- Quality Assessment is too generic; it is requested to have "Quality assurance" (in brief format) and Quality Control;
- it has been requested to consider a better focus simulation effort answering the preTDR needs; this will be discussed with the relevant coordinators;
- Elke will give a presentation at a TIC meeting in the first part of May about converging about reference scenario/parameters for luminosity and radiation dose. She will also prepare the reference timelines for the preTDR. These timelines will have as starting point CD3 approval and years counted from there.

If these notes need corrections/integration, please, write me back.

Thank you.

Best greetings, Silvia

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