

PreTDR – Editorial Board

6th Meeting

October 1st, 2025

Attendance today

- ***No messages about excused members***

AGENDA

- ***Editorial Board alone (10.00-10.30)***
 - *PreTDR goals and timelines*
 - *About the Requirement table*
 - *Invitation of authors at the coming meetings and organization of the activity within the Board*
- ***Meeting tracking subsystems (10.30-12.00)***
 - *They are the authors of sec.s*
 - *8.3.3 (the tracking system as a whole)*
 - *8.3.3.1 SVT*
 - *8.3.3.2 MPGDs*

PreTDR goals and timelines

- ***A question debated at the Coordinator meeting***

- Do we want a reasonable complete version for the end of October, namely for distribution to the reviewers of the Detector Directors' Review?
- Pros : very obvious, even if with OPA Review now moved to March, the Directors' Review in November is more an intermediate step to check progress towards CD2
- Cons :
 - hurrying up compromising the document quality, which is then difficult to recover
 - Overstressing the community of the authors and the Ed. Board
- PM point of view collected: they do not see the need of a ~final preTDR for the Directors' Review: a "snapshot" can be adequate

→ Cancel the intermediate goal of a 'complete' version for the end of October

The goals for December 2025

- *Having a clean and polished text for the chapter underlined in colour*

preTDR layout

Executive Summary

CHAPTER 1 – Introduction

CHAPTER 2 – Detector Requirements

CHAPTER 3 – Experimental Systems (past Chapter 8)

**CHAPTER 4 – Detector Performance for the EIC
physics program (past Chapter 2)**

CHAPTER 5 – Detector-Accelerator interfaces

Requirement tables

- *The requirement table will be an evolution of the YR table*
 - *A scientific and technical justification of the modifications will be provided*
 - *The evolved table and justifications is clearly the joint work of PACs and TC*
 - *An initial working meeting organized for next week on Thursday October 9th*
 - *Salvatore, Rachel, Rosi, John H., Silvia*

Meeting Authors, status and planning

SUBSYSTEMS	meeting Ed. Board	NOTES
SVT	Oct 1	
MPGD	Oct 1	
ToF	Sep 25	need of a second pass
pfRICH	Oct 8	
hpDIRC	Oct 8	
dRICH	Oct 8	
backw. Ecal	Oct 9	
BIC	Oct 8	
forw. Ecal	Aug 27	
backw. Hcal	Sep 24	
barrel Hcal	Sep 24	
forw. Hcal	Sep 24	
FF	Sep 17	need of a second pass
FB	Oct 2	
e/r-o/daq	Sep 10	
S & C	Oct 15	after Oct 12 (review before)
magnet	Oct 31	~ final
polarimeters	Oct 30	being populed now
integration	Oct 23	~ final
background & rates	Oct 23	near to be ready
commissioning and preop.		will be written in December
"Physics"	Oct 16	

BACKUP SLIDES

New detector preTDR outline

The new structure proposed for the Detector preTDR

- **Executive Summary**
- **Introduction – CHAPTER 1**
 - About the EIC project and the accelerator complex (high level approach)
- **Requirements – CHAPTER 2**
 - Requirements resulting as an evolution of the YR ones, also cross-checked with those in the project requirement document (high level page)
- **“chapter 8” – CHAPTER 3**
 - Presenting the detector subsystems matching the requirements (mainly individual performance)
- **“chapter 2” – CHAPTER 4**
 - Presenting the holistic detector performance by the performance for key physics measurements
- **Detector-Accelerator interfaces (INTEGRATION INTO THE FACILITY) – CHAPTER 5**