TDR Editorial WG Summary

John Carwardine

And the winner is…

- First three authors to submit drafts
  - **Ewan Paterson**
  - **Nick Walker**
  - **Mike Harrison**

- Closely followed by
  - **Marc Ross, Jim Kerby, Akira Yamamoto**

- First section edited by
  - **Eckhard Elsen**

Summary in a nutshell

- Discussions with the authors were very constructive
- The Editors have a much greater appreciation of the amount of work before there is a first draft of the TDR
- We have seen many drafts this week, and have been promised a lot of material over the next 2-3 wks
  - **May 11 seems to be the 'red letter' day**
- There are also significant sections where the authors still haven't started writing

CFS

- There is much more than we'd expected – we saw drafts of most sections in different stages of completion
- A lot of new material is available for the Asian region site, but most of the text is in Japanese
- Several items were flagged for PM follow-up, eg bases for developing construction & installation schedules
- There may be a lot of editing, especially in terms of organization relating to the two main linac variants

SCRF

- **The SCRF chapters really need to be done well!**

- SCRF Part-1
  - **There are outlines, but many sections aren't started and as yet few promise dates**

- SCRF Part-2
  - **There are outlines, but many sections aren't started and as yet few promise dates**
  - **Open issues require follow-up on scope and organization, eg how much to cover in the Main Linac overview, models for coupler conditioning**

- There may be a lot of editing, especially in terms of organization relating to the two main linac variants

TDR Part I: SCRF-part status

		outline	1st Draft
2.1 Overview	A. Yamamoto	○	○
2.2 SCRF infrastructure	J. Kerby	○	○
2.3 Cavity	R. Geng	○	Not yet
2.4 Cavity integration	H. Hayano	○	Not yet
2.5 S1-Global	H. Hayano	○	△
2.6 Cryomodule,Cryogenics	P. Pierini, T. Peterson	○/not yet	○/not yet
2.7 RF power	S. Fukuda, C. Nantista	○/○	△
2.8 Mass-production	J. Kerby	○	○
3.1 Overview	M. Ross	Not yet	Not yet
3.2 FLASH 9mA	J. Carwardine	○	△
3.5 FNAL NML	M. Church	○	△
3.6 Quantum-Beam	H. Hayano	○	△

TDR Part II: SCRF-part status

		outline	1st Draft
3.1 Main Linac layout	C. Adolphsen	◯	Not yet
3.2 Cavity performance and production	A. Yamamoto	◯	Not yet
3.3 Cavity integration	H. Hayano	◯	Not yet
3.4 Cryomodule, cryogenic	P. Pierini, T. Peterson	Not yet	Not yet
3.5 RF power and distribution	S. Fukuda, C. Nantista	◯/◯	Not yet
3.6 LLRF control	J. Carwardine, S. Michizono	◯	Not yet
3.7 Cavity and Cryomodule test	H. Hayano	◯	Not yet

Damping Rings

- Still some parts where work must be done before the text can be written
  - **Editors will be very much in the loop, and will off-loading some of the work from the authors where the TDR text will be 'almost identical' to the RDR**
  - **Where possible, write-ups of new material will take advantage of IPAC papers, etc**

BDS / MDI

- There is as yet no text, but it's a given that most of what goes in the TDR is what's in the RDR
- BDS lattice updates won't be done till the summer (!)

- Good discussions in the MDI, and there is a plan for completing the writing: we know what goes where, and names have been assigned to each section
  - **Promise date: May 11th**

- Sources
  - **Preliminary text is mostly in hand**
  - **Most of the text will be updates from RDR and IR**
  - **Remote handling was flagged as an ownership issue needing follow-up**

- Beam Dynamics, LET
  - **Need to add this to the TDR outline – mainly an update to what's in the RDR**

Some general comments and reminders

- Part-2 (Baseline design)
  - **Should be a flat present-tense description of the baseline**
  - **Should be stand-alone, without requiring the RDR**
  - **We don't want it to include commentary on history**

- Threading of the two main linac variants… A top-level overview chapter is in preparation (see Nick's talk on Monday).

- Expect that your text and chapter organizations will be changed during the editing process
- We need text to be in reasonable shape, but try to avoid polishing to the level of publication-ready text
- Please don't let compliance with formatting or templates get in the way of sending us text!

Author resources (Forge)

- http://forge.linearcollider.org/tdr

- There are links to:
  - **Latest TDR outline**
  - **TeX and Word templates, guidelines**
  - **Repository with source files for RDR and Interim Report, and for the TDR (so far mainly place-holders)**
  - **Image up-loader. An image browser (soon)**

- All primary authors already have accounts. There is a 'lost password' link on the login page.

The Editors are waiting