



TDR Preparation Status

J. Carwardine

30 May 2012



Revisions to TDR2 Outline (SCRF)

- **Motivation: to help guide the reader who wants to follow the design for one specific site, while still allowing the text to flow**

| Part II: The ILC Baseline Reference | | 327 | |
|--------------------------------------------|--------------------------------------------------------------|------------|----------------------------------------------------------|
| 1 | Introduction and overview | 5 | Paterson |
| 2 | General parameters and layout | 15 | [Editor] |
| 3 | SCRF Linac Technology | 39 | Yamamoto |
| 31 | Main linac top-level parameters and general layout | 2 | Adolphsen |
| 32 | Cavity performance and production specifications | 10 | Yamamoto |
| 33 | Cavity integration (couplers, tuners etc.) | 10 | Hayano |
| 34 | Cryomodule design including quadrupole and cryogenic systems | 10 | Perini |
| 35 | RF power source | 3 | Fukuda Carwardine/ |
| 36 | Low-level RF control concept | 2 | Michizono |
| 37 | Cavity and cryomodule testing | 2 | Hayano |
| 4 | Main linac layout for a flat topography | 7 | - |
| 41 | Layout | 2 | Adolphsen |
| 42 | Klystron cluster scheme RF power distribution system | 4 | Nantista? Carwardine/ |
| 43 | LLRF control for KCS | 1 | Michizono |
| 5 | Main linac layout for a mountain topography | 7 | - |
| 51 | Layout | 2 | Adolphsen? |
| 52 | Distributed Klystron scheme power distribution system | 4 | Fukuda Carwardine/ |
| 53 | LLRF cc | 1 | Michizono |

Are there any areas where clarifications are needed with regard to reorganizing the text?



Deadlines

| | Editors' deadline |
|---------------------------------|------------------------------|
| First-draft sections | • 27 April * |
| Progress report to GDE Director | 12 July |
| Complete edited draft | 22 October (ILCWS 12) |
| Final draft (for PAC) | 15 November |
| PAC review | 15-16 December |

GDE drop-dead deadline

*Editors' tasks **prior to 22 October**: checking entire content for technical consistency, revising text for a consistent style, consolidate content to meet page counts, validating references to TDD and external publications, checking figures, ...*



Already we are well behind

- Total sections in TDR outline: 121
- Sections not submitted: 92
- Sections without author promise dates: 73

This makes Editorial planning very difficult

Issues in writing the draft text...

- *Still finalizing design details, still working on costing*
- *What else...?*

Might the editors help prepare the first draft, eg where text is largely updates of the RDR?



- *...Forge resources available*
 - *...SCRF submission status*
 - *Discussion*
-
- A horizontal dotted line in a light yellow-green color runs across the bottom of the slide, mirroring the one at the top.