CCB Report

GDE Meeting, Vancouver, July, 2006

Nobu Toge

KEK/GDE

CCB Basics

- Members: C.Pagani, G.Blair, D.Schulte, T.Markiewicz, S.Mishra, W.Funk, K.Kubo, M.Kuriki, N.Toge

- Wiki main: http://www.linearcollider.org/wiki/doku.php?id=bcd:bcd_home

- Change History: http://www.linearcollider.org/wiki/doku.php?id=bcd:bcd_history

- Public Communications: http://lcdev.kek.jp/ML/PubCCB/

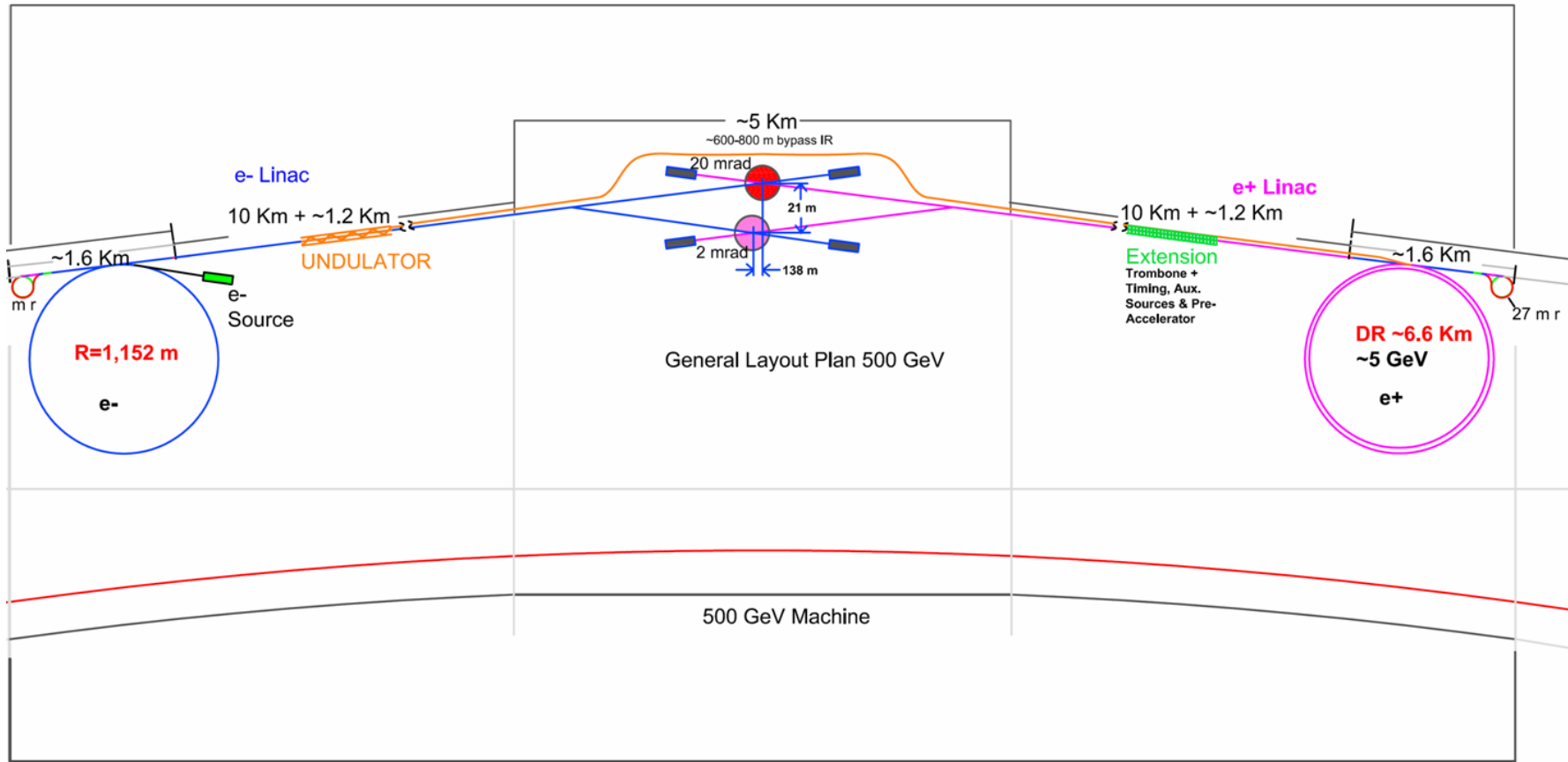| #	Submitted	Area	Requester	Class	Status	Date
13	2006/6/12	Linac	Adolphsen	1	Accepted	2006/7/13
12	2006/5/17	BDS	Seryi	1	Returned	2006/7/1
11	2006/4/21	Param/Layout	Paterson, Toge	1	Accepted	2006/5/8
10	2006/4/20	BDS	Seryi	0	Accepted	2006/4/23
9	2006/4/13	RTML	Tenenbaum	1	Accepted	2006/4/23
8	2006/3/22	White Paper	Toge		Fixed	2006/3/23
7	2006/3/20	RTML	Tenenbaum	1	Accepted	2006/3/28
6	2006/3/4	CF/S	Enomoto	0	Accepted	2006/3/16
5	2006/2/28	Params	Yokoya	1	Accepted	2006/3/3
4	2006/2/24	RTML	Tenenbaum	1	Accepted	2006/3/3
3	2006/2/7	DR	Wolski	1	Accepted	2006/2/27
2	2006/2/4	OPS	Himel	0	Accepted	2006/2/11
1	2006/1/27	RTML	Tenenbaum	1	Not Accepted	2006/2/3
0	2005/12/20	CF/S	Huedem		Accepted	2005/12/23

Comments on Recent Changes (1)

- **"Positron insert":**
  - Handled by creating a "layout subsection" within the Parameter Section, where contents were inserted by the RDR Coordinator.

- **"Gamma-Gamma provision in BDS":**
  - The request was returned to the submitters, noting the need for the analysis of system-wide impacts of this options to be made first. For full details see – ref for change req #12.
  - Note: CCB has to develop more fine-grained change procedures to manage "Alternative" or "Future Upgrade"-type configuration changes.

- **"Main linac RF unit organization, i.e Q-BPM-steer vs cryomodule installation pattern":**
  - Accepted.

General Layout Plan 500 GeV

General Elevation View

Comments on Recent Changes (3)

- CCB is in the process of acting in more cost-conscious fashion.

  - **CCB is asking relevant Area / Global / Technical Sys Leaders for cost-related information more frequently, starting the change req #13 (Layout/Positron-insert)**

  - **DCB is offering remarks on cost impacts**

- These inputs constitute important materials for discussion within CCB, and are greatly appreciated.

- So far, no class-2 type (> $100M) changes have been proposed.

Handling of Cost Information

- For handling of cost information in the public report, CCB has been given the following guideline from the EC-CCB liaison :

  > The EC is still discussing cost publication policy, and I expect this process will not converge until the Vancouver workshop.
  >
  > However, it is clear that during our current cost deliberations, every effort should be made to keep all costs as confidential as possible.
  >
  > To that end -- and in the absence of a more formal policy statement from the EC -- I would ask you to remove all references to absolute costs in this (and any) CCB response, before it is made generally public (i.e. put on the web). You are free to quote relative numbers if they are absolutely necessary to the arguments for or against a CR.

- CCB will act accordingly, until hearing otherwise.

BCD and RDR (1)

Following is a copy of a slide from B.Barish at FNAL RDR
Meeting (Feb. 13-14, 2006)
http://ilcagenda.cern.ch/conferenceDisplay.py?confId=14

- The document defining the ILC configuration details at any given time is the BCD. It will evolve through change control actions.

- The RDR will have a different audience, goals and structure. The configuration descriptions in the RDR <u>must be completely consistent</u> with those in the BCD. (Some narrative from the BCD may be appropriate for the RDR, but this is not required).

- The RDR will emphasize the overall design and performance, project issues (costing , siting, etc.) and especially costing.

BCD and RDR (2)

- For the original BCD manifesto, please, check http://www.linearcollider.org/cms/?pid=1000104

- CCB may have to develop special ways to handle a large flow of change requests that are needed for re-establishing the BCD-RDR consistency.
  - **CCB, in formulating the optimum procedure set, seeks consultation from RDR Management.**

- Content guidelines for BCD might require a review and/or re-confirmaton.
  - **The party to lead this job has to be identified.**

- Work to establish the BCD-RDR consistency requires a GDE-wide coordination.
  - **The party to lead this job has to be identified.**

BCD and R&D (AC)

- Alternative Configuration, when their development sees sufficient maturity, could replace Baseline Configuration.

- Change Configuration protocol need:
  - **Procedures for introducing new ACs (CCB will have to figure this out)**
  - **Criteria for promoting existing ACs to BCs (CCB will have to figure this out)**

- CCB seeks consultation from EC and RDB for
  - **Mapping of ACs and ongoing R&D programs**
  - **Gauging their prospects**
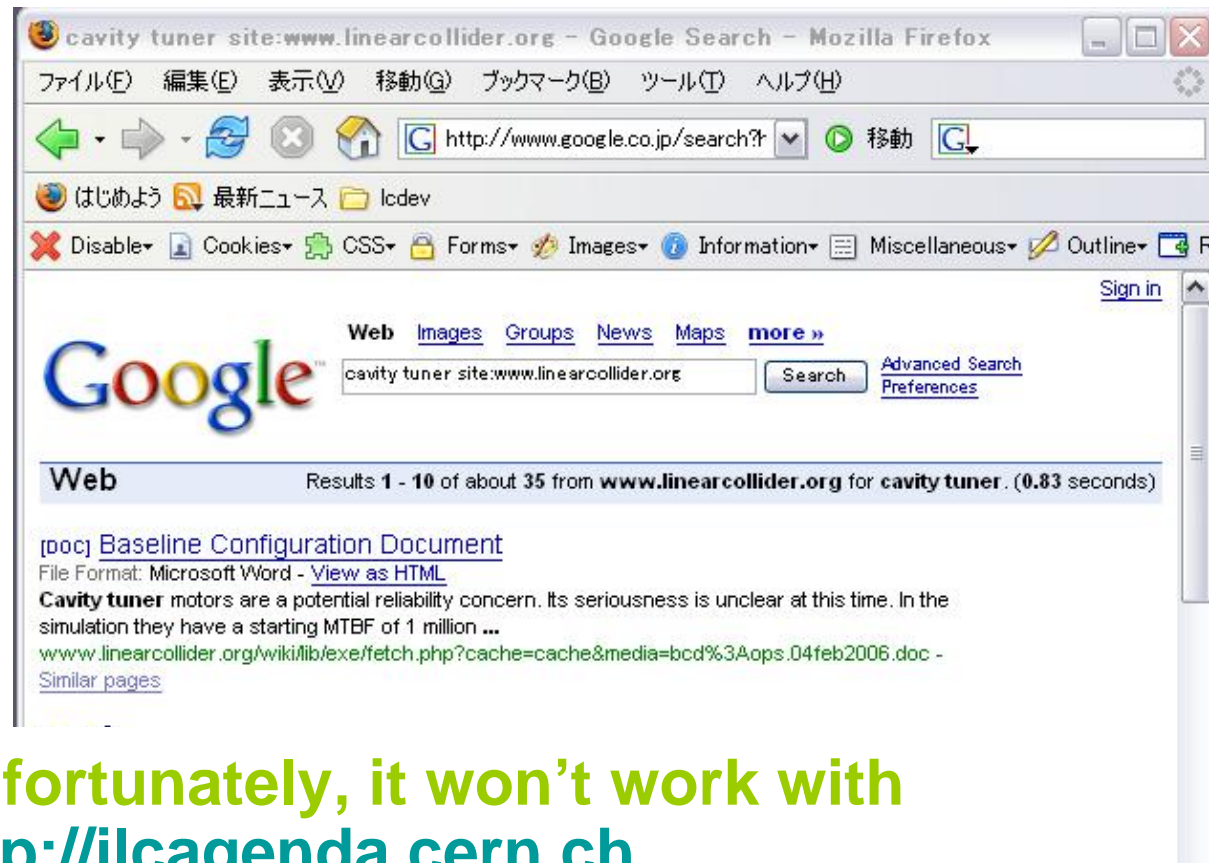 - **Optimizing the related change procedures**

More Comments for the Future

- BCD is "one" document within GDE.

- However,
  - **There are already a rather large amount of memos, PPTs, excel sheets, drawings and others in existence,**
  - **Distributed across a number of wiki and lab sites.**
  - **Their indexing, cross-referencing and cross-checking can become a daunting job soon.**
    - → It looks that we need to digest the EDMS committee recommendations and start acting soon.

Text Search for GDE

- Specify sitesearch with Google –
  – **Use "Site: www.linearcollider.org"**

  – **Unfortunately, it won't work with http://ilcagenda.cern.ch .**

Summary

- Quick summary of recent change configuration history and status have been given.
- CCB is acting in a more cost-conscious manner now.
- As for the BCD-RDR consistency, it is AG/GG leaders who have to take active roles in submitting the necessary change requests. CCB is here to help.
- As for the AC → BC promotion, CCB has to start some preparatory work in consultation with EC and RDB.
- Challenges seem to be emerging concerning the wider, more general document management issues for GDE, i.e we somehow need to work out:
  - **Document classes,**
  - **Responsibility + authority for coordinating, authoring, reviewing, approvals and disclosure.**
  - **Software engineering + technical aspects for supporting all these,**