



BCD and RDR

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Date

Event

Global Design Effort

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BCD vs RDR

- I (Toge) would like to clarify the position of CCB with regards to BCD vs RDR, i.e.
 - **How they are related**
 - **How they are not the same**
- And consequently,
 - **(A rough picture of) Who has do what by when, how.**



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 must be completely consistent 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)

- CCB's interpretation is as follows
 - BCD is something that we maintain, and something that evolves into the future, throughout the engineering design, advanced R&D, formal project proposal + approval, construction, commissioning and upgrades;
 - RDR is something that represents a snapshot picture of ILC design (with WBS and costing information) which corresponds to the BCD as of Fall, 2006. Something similar goes for TDR in its own timescale.
- Another way of saying
 - BCD is what we “say”
 - RDR (TDR) is what we “do”
- Yet one more other way of saying
 - CCB will maintain BCD
 - CCB will not maintain RDR, just help enforce its consistency with BCD



What does this mean?

- Unless the circumstances force us to do otherwise,
- CCB chair soon will be appointing members of CCB as CCB-POCs.
- CCB-POCs will do the following –
 - **Review the current content organization of BCD.**
 - **Compare what is observed in current BCD with what is stated in the Snowmass guidelines for BCD authoring.**
 - **Review the existing “working baseline for RDR” for each of AG/GG/TSGs. CCB-POCs will do so in close consultation with respective POCs from each of these groups.**
 - **Draft the “changes-needed” reports.**
- CCB Chair, on the basis of “changes-needed” reports,
 - **will request AG/GG leaders to take CC actions.**
- AG/GG leaders
 - **do NOT have to wait for completion of “changes-needed” reports before submitting their CC requests, actually.**
- BTW, CCB Chair now has a dual appointment as a co-editor for RDR.



Remark on BCD Contents in General

- In addition to what is stated in the Snowmass BC Authoring Guidelines,
- Each Area section of BC MUST clearly state,
 - **Performance specifications (What your system is supposed to do).**
 - **What kind of beam you accept, with a range.**
 - **What kind of beam you transmit, with a range.**
 - **How your system is organized and why.**
 - **What your basic unit system is like and why.**
 - **And the pointers to “more detailed” information, e.g. decks, spreadsheets, spec sheets for components, drawings and WBS**



Proposed Aggressive Timeline

- CCB-POC appointment and announcement:
 - **Before the end of July, 2006.**
 - **AG/GG/TSs, please, re-identify your POCs on CCB matters, too, in a similar timescale.**
- Draft “Changes-Needed” Reports
 - **to be delivered to AG/GG before the end of August, 2006**
- CC Actions
 - **August – October, 2006**
 - **CCB might adopt special-case procedures for this instance.**
- Transplantation of BCD into EDMS
 - **Efforts to start in late 2006 or early 2007.**



Conclusions

- Dear AG/GG/TS leaders, please, be informed that the RDR MUST be consistent with the BCD.
- You are advised against attempting to circumvent the BCD CC process. It is not going to work.
- As a reminder, any CC requests MUST come with “reasons” for the proposed changes. FYI:
 - **The CC processing time within CCB is dominated by work to assess and understand the “reasons”, and putting them into perspective with respect to the performance and the cost.**