

CLIC CDR preparation - WG5

Final Version: Summary notes of the first meeting, held on 18 March 2010

Present: B. Cure, F. Duarte Ramos, K. Elsener, A. Gaddi, L. Gatignon, H. Gerwig, A. Hervé, L. Linssen

1) Comments on WG5 mandate / on the CDR process and CDR deadlines

The mandate of WG5 has been drawn up and published on the INDICO page in order to indicate the purpose and to attract members from outside and inside CERN. The mandate will evolve with time.

The CLIC CDR is due end of April 2011, and will consist of 3 volumes:

- Volume 1: Executive Summary
- Volume 2: Accelerator and Technical Systems
- Volume 3: Physics and Detectors

There is evidently going to be overlap between the MDI related chapters of Vol. 2 and parts of Vol. 3. In order to make both parts readable, some overlap (in addition to extensive cross-referencing) will be necessary. Care will be taken that the relevant input from the detector side is available for the early deadlines given by the editors of Vol. 2 (end of August 2010).

The aim is to keep Volume 3 at or below 150 pages - every part will be as short as reasonable. This implies that all of the detailed work and much of the reasoning leading to particular choices/solutions must be described in notes (e.g. LCD notes).

WG5 will have several sub-groups, meeting as needed to discuss specialized topics (e.g. the Solenoid Study, the Cost Study, etc.).

Lucie explained the recent happenings around the Solenoid Study - the ensuing discussion concluded as follows:

- During LCWS10 in Beijing, Lucie and Konrad will discuss with as many of the non-CERN colleagues interested in the Solenoid Study as possible, explaining reasons for the long interruption between formal meetings, and announcing a follow-up of the October meeting for May/June 2010
- The internal CERN meeting, initially called for February, will be re-launched by Konrad for Thursday 1st of April (time to be fixed).
- The time until the next "formal" meeting will allow to progress on some studies already under way (Andrea, Benoit).

2) list of topics to be dealt with by WG5

Priority is on the work needed as input for the relevant chapters of the CDR. In addition, other engineering topics will be discussed in the meetings of WG5 (e.g. matters related to the W HCal prototype).

3) rhythm of meetings - best date and time

An initial enquiry among those who have subscribed to the mailing list, plus the input from those present at this first meeting, indicates that **Tuesdays at 16:00** is the most suitable time for WG5 meetings. After the Easter break (incl. LCWS10 in Beijing and FCAL meeting in Cracow), we will try to have meetings every two weeks. Smaller meetings on specialized topics might have to be scheduled at other times.

4) membership: suggestions for members

The mailing list lcd-wg5@cern.ch contains presently 18 names. It was suggested to add, from CERN, the following colleagues:

J. Bremer, A. Dudarev, H. Ten Kate, P. Wertelaers

From outside CERN, we will contact the following colleagues and ask them to participate in WG5:

Catherine Clerc, Marc Anduze, Matthieu Jore, Marco Oriunno, Karsten Buesser, Hiroshi Yamaoka.

Suggestions for other interested colleagues are always welcome!

5) a word about the cost estimate

The cost will be estimated by a small team. M. Nordberg has expressed his strong interest to participate. We will try to invite C. Clerc (LLR) for a short presentation on the methods used to estimate the cost of the ILD detector for ILC.

(As indication, the CLIC accelerator cost will be estimated to an accuracy of 30 %.)

6) hint to the EDMS tree for LCD

The LCD project has established an EDMS tree:

<https://edms.cern.ch/nav/CERN-0000079435>

This should be the repository of all material relevant to the studies of a detector for CLIC. The philosophy is a very open one, allowing all participants in the Physics and Detectors study to create documents and upload material. Some 150 past documents have been uploaded by Konrad - now, everyone is encouraged to keep adding material, even of very preliminary nature.

Konrad also pointed to the **EDMSviewer**, an application allowing downloading a full tree with all documents onto e.g. a laptop - this allows having access to all material in places without internet connection. The instructions for installation of the necessary software can be found at

<http://cern.ch/edms-service/edmsviewer>

7) Next meeting: Tuesday, 20 April 16:00

Agenda and meeting room will be communicated.