

Cryogenics Safety Officers Committee

Minute of the meeting held on March 26 2003

1. Minutes from last meeting

The minutes have been updated according to the two remarks made, and adopted

2. News and matters arising

a. Revision of the safety guide for experiments

This guide is being updated.(web version) Where ever necessary the CSO will be included. Concerning the role of CSOC a link to the CSOC mandate <http://mgt-csoc.web.cern.ch/mgt-csoc/mandate.htm> will be inserted in the web document. The draft version of the form “commissioning requirements for cryogenics installations” was shortly discussed, few modifications proposed have been inserted. The final document will be released after further discussion in a next meeting. A similar document exists from Air Products, it could be used as a model.

b. ODH document

The committee takes note of the tests performed and the availability of this type of detector.

3. CAST presentation (K. Barth)

Klaus gave a nice presentation of the experiment and especially on the cryogenic installation and associated risks:

- Displacement of the flexible cryogenic lines
- Prevention of Breox pollution either liquid or vapour (retention of the liquid, detection of vapour)
- Quench protection. We had a short discussion on the type of rupture disc used. Vladislav Benda sent later the following information
<http://www.safetysystemsuk.com/pdf/marston/MATG-FBC.PDF>

The operation of the cryogenic installation is done by operators from C169 LHC contract There is an automatic quench recovery which require a manual intervention to check the system before restart. Up to now the accumulated experience corresponds to about 20 quenches.

The committee recommended that users are informed and trained. A. Kerhoas should be contacted in order to use the same material as used for SM18

4. Cryogenic code

Regular meetings will restart, every second week. The last comments will be included. A status will be given on the next CSOC.

5. Next meeting

- June 11
- September 24
- December 10

6. AOB

Subjects to be considered for future presentations:

- SM18
- ATLAS liquid argon

P Pailler will retire in September, need a replacement from ATLAS. J May will be informed.