

Response to Issues & Concerns from Second G0 Readiness Review

From: A. Lung and P. Roos for the G0 Collaboration

To: L. Cardman, D. Mack, R. Ent

Date: January 12, 2002

The collaboration has now provided written responses to all the Issues and Concerns raised during the second G0 Readiness Review held on September 7, 2001, with the exception of the magnet subsystem which is being addressed separately. The report raised five "issues", and then goes on to address several additional concerns. We have submitted progress reports on each item to the appropriate JLab personnel as indicated in our memo of November 19, 2001.

Please contact us if there are any questions or remaining concerns. We look forward to hearing a response from the Readiness Review Committee as soon as it is available.

Below is a summary of the submitted documentation.

ISSUES

Polarized Source:

Beam specification sheet was sent to H. Areti, M. Poelker, M. Tiefenback, D. Mack, R. Ent, and L. Cardman on December 18, 2001. Also, a suggested test plan (developed by Mark Pitt) was sent as an attachment to the November memo.

Cryotarget:

A test plan and associated schedule has been submitted to Mack/Ent/Cardman. The detailed scheduling of the cryogenics in the Test Lab has been approved by Phil Mutton (recent replacement for Joe Ozelis as coordinator of cryo services). Phil stipulates that it cannot be finally approved until review by several key people who are currently out of town. K. Gustafsson of the G0 collaboration will follow up on this. The aforementioned test plan includes the scheduled fabrication of pump housings and related parts.

Delivery of the stepper motor to Caltech is promised for January 18, 2002. Delivery of the DC motor to JLab is promised for the end of February. Progress on design, drawings, etc are consistent with these quoted deliveries.

Manpower:

Tables listing on-site G0 manpower planned for calendar 2002 and divided by subsystem was submitted to Mack/Ent/Cardman on December 18, 2001.

Safety Documentation:

The following documents have been submitted to Dennis Skopik as well as Mack/Ent/Cardman:

- a) Draft COO and ESAD for G0;
- b) List of necessary Operations Manuals with a G0 person named as responsible for completion of that manual with a scheduled completion date; and
- c) List of necessary Safety Reviews with a G0 person named as responsible for the preparation, scheduling, and completion of that review or document.

We note that a specific list of TOSP's, and OSP's is still under development in consultation with Dennis Skopik.

CONCERNS

False Asymmetry Tests:

- a) Report on French electronics test results was submitted to Mack/Ent/Cardman.
- b) Report on North American electronics was submitted to Mack/Ent/Cardman.

Beam Polarimetry:

List of trained experts and schedule of their JLab availability was submitted to Mack/Ent/Cardman on December 18, 2001.

Infrastructure :

Schedule for repair of A-can leak was submitted to Mack/Ent/Cardman on December 18, 2001.