

Report from the LHCC Review of the LCG

(Refers to document CERN-C-RRB-2002-006)

Emmanuel Tsesmelis
LHCC Scientific Secretary

Computing Resources Review Board
22 October 2002

INTRODUCTION

- Fulfillment of the LCG Project requirements will, on the same basis as the successful construction of the LHC accelerator and particle detectors, be crucial for the success of the LHC physics programme.
- In view of this, the LCG Project is being reviewed by the LHCC in a manner similar as that for the experiments.

REVIEW PROCEDURE

- The LCG Project will make available to the LHCC for review, documentation from the Project, including the Technical Design Report.
- In addition to the technical progress, which will be tracked by the Project milestones, the LHCC will also review the Project's costing.
- Regular reporting to the LHCC (both written and oral) has been agreed.
- Appointment of the LHCC Referees has been made (F. Ferroni and J.-J. Gomez-Cadenas, with P. Messina serving as an LHCC external consultant).

LHCC DELIBERATIONS

- The LHCC has been impressed by the quality of the work presented by the LCG and congratulates the Project Team.
- The Committee considers that:
 - Phase 1 of the LCG Project is a necessary step towards the construction of the LHC computing system.
 - Execution of the LCG Project requires the immediate deployment of the organization structure and of the basic infrastructure.

- The use of GRID tools, the collaboration of several Regional Computing Centres and the coherent deployment of common software tools are essential components of the LCG Project.
- Construction of an appropriately-sized and technologically-advanced computing centre is a necessary step in designing Phase 2 of the LCG Project.
 - With Links to the Regional Computing Centres through GRID technology.
- The construction at CERN of the Tier-0 prototype is to be encouraged.

- The LHCC supports strongly the LCG Project.
- Very important strategic step towards the success of the LHC Computing.
- LCG Project Team is considered to be well-organised and competent to undertake the task.