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Concerns and Recommendations from the LHCC Comprehensive Review of LCG - 27 December 2003

This list has been prepared for the discussion at the PEB on 24 February. It is associated with a highlighted version of the LHCC draft report – attached to the PEB agenda page. It contains only items that are noted in the LHCC Report, and therefore for which a response must be given to the referees before the next LHCC meeting in March.

Management & General

- Concern over resources in Regional Centres - MoU should be developed over the next 12 months between the funding agencies and CERN
- LHCC expressed some reservation on the role and composition of the new SC2 and these issues must be re-visited.
- Propose a new set of Level 1 milestones for the March meeting

Middleware

- Concern that the existing middleware is generally too complex and under-developed, and from past experience the main risk appears to be the lack of product delivery.
- Concern over the difficulties in entering the analysis phase of the project – expecting the ARDA project to have been planned by end January.
- The LHCC considers it very important for the middleware project to ensure tight links and collaboration with the US part of the effort and to establish a close and better collaboration with all the Regional Centres.

Fabric

- No concerns or recommendations

Grid Deployment

- Concern over resources and priorities in Regional Centres. The Committee recommends that the Regional Centres should be queried on how they believe funds will become available to achieve their required computing capacity.
- The GDB should ensure that there is more detailed technical discussion.
- Installation is too complex.

Applications

- Concern over the long-term continuity of personnel, and the long-term support of products, in particular the maths library.
- Requests further clarification of how proposals made in the Architect's Forum are to be incorporated in to the Applications Area.
- Stresses the importance to support the Monte Carlo generator codes required by the LHC experiments. Such support appears to fit the scope of the Simulation project.