



Grid Deployment Board - GDB

Tier 0/1 Network Meeting

Conclusions and Actions

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Purpose of the Meeting

- There are a number of high-level goals that are desirable outcomes from the meeting. We may not achieve everything!!
- Information
 - To “level set” everyone to the same level of understanding concerning the network expectations, current state and issues for the LHC.
- Planning
 - To gather input for the LCG technical design report and provide a common understanding of how the network for LHC computing (2007-2008) could be realistically implemented.
 - To gather input in the network evolution foreseen so that the planning for the “Service Challenges” that are in progress so that planning towards LHC startup can be completed.
- To decide what form this “standing body” should take and how often it should meet.





Timetable

- Create a few small groups to work on specific topics
- First round by end-feb and distribute
- Organise another full meeting in March to discuss the results



Conclusions & Actions

- 10Gbit to each Tier-1 from CERN is a fundamental requirement.
- Good T1-T1 and T1-T2 connectivity is also required.
 - Jamie Shiers is now maintaining the requirements as part of the service challenge activity for all tier connectivity.
 - List of T2 sites
- Important to get some planning as activities ramp up towards LHC startup.
 - A target date for each Tier-1 for a 10Gb/sec production circuit to CERN
 - Needed to set expectations for the service challenges.
 - These need to be operated as "production" circuits.
 - A network vision for LHC
 - High level architectural view
 - Europe, US, Asia,
 - GEANT dependable network services
 - Network domains for all T1 sites
 - Campus connectivity (e.g. storage)
 - Management considerations
 - SLA's
 - Operations (monitoring and intervention)
 - Cost Models
 - Technical considerations
 - Security
 - Switching and Routing considerations
 - IP addressing
 - Backup paths
 - Infrastructure and exploitation
 - Data movers and Protocol stacks
 - On demand use

