

Information from the weekly CERN group reports to internal meetings and individual IT/experiment meetings including the experiment coordination meeting of today. For detailed experiment service challenge plans and their implications on individual sites see <https://twiki.cern.ch/twiki/bin/view/LCG/SC4ExperimentPlans>

The recent resource requirements information from LHCb have now been integrated into the above Twiki (the complete LHCb spreadsheet is also linked in). ATLAS Monte-Carlo requirements for the first half of next year and the ALICE requirements for the whole of 2007 have been received and will be added next. ALICE announce they plan to run a new data challenge, PDC07, starting in the first quarter of 2007 and lasting until the beginning of data taking. They plan to use up to 75% of the total resources requested for 2007 as soon as they become available at the Tier 1 and Tier 2 sites. Their 2007 requirements for Tier 1 sites (CERN excluded) are 3100 KSi2K of cpu, 960 TB of disk and 2000 TB of tape spread over their six major sites. Current pledges for ALICE exceed the disk space by 250 TB but lack 600 TB of tape.

Issues raised here that have longer term implications will be added to the SC4 Combined Action list at <https://twiki.cern.ch/twiki/bin/view/LCG/SCActionList>

ALICE:

Central services shutdown last week for network interventions came back smoothly into production from Wednesday night.

ATLAS:

They have stopped their recent Tier 0 export exercise and are worried they were unable to exceed an aggregate data export rate of 400 MB/sec. They believe tuning of the FTS for ATLAS will have to be done separately for each site and would welcome a technical meeting with the FTS team. Meanwhile they will continue their Tier 1 – Tier 2 testing.

CMS:

CSA06 job submission to the gLite resource broker has started. A new user interface had to be built to solve a critical bug in the glite-wms job submission (due to a system tar library). An individual user running batch jobs overloaded the transfer management Oracle database on Friday afternoon. Transfer rates out of CERN dropped over the weekend when minimum bias reconstruction stopped and this was restarted Sunday morning. The Tier 0 component of CSA06 will run for one more week then the Tier 1/Tier 2 analysis activities, with 50000 batch jobs/day, are scheduled to continue till mid-November.

LHCb:

Stripping and reconstruction workflows are still under test and MC simulation continues well apart from the security problem at Torque/PBS sites. Development of a prioritisation mechanism for analysis compared with production jobs has started. gLite WMS tests are almost finished and they have started data integrity and consistency checks.