SC4 Weekly Report and upcoming activities   5 October 2006.

Information from the weekly CERN group reports to internal meetings 29 September.
For detailed experiment service challenge plans and their implications on individual sites
see https://twiki.cern.ch/twiki/bin/view/LCG/SC4ExperimentPlans
A new LHCb spreadsheet with Tier0 and Tier1 resource requirements out to April 2007
has been received and linked into the Twiki though not yet reflected into the site plans.
There are significant increases over the previous plans for the next 3 months since the
reconstruction software has now reached a mature state and production reconstruction for
the LHCb Physics Book will now start and run till the end of February. Also an initial
version of increases in the ATLAS Monte-Carlo event generation requirements has been
received. When this is finalised the Twiki will be updated for ATLAS and LHCB.

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
Are seeing unstable fts transfers and are not approaching their target rate of 300 MB/sec..

ATLAS
Have been focussing on LFC issues. They changed to use sessions for their list_replica
calls and have installed a new version of LFC with timeouts/retries in the LFC client.
Also LFC connections from Europe to ASGC were failing with a 10 secs timeout in gss
authentication and this has now been increased. Overall performance is now better.
Atlas need to make changes to LFC access control lists. To be done in 2 steps - add
atlprod to acls then later remove users. ATLAS first want to cleanup lfc entries and delete
misplaced files. Data export currently running at a few hundred MB/sec less than the
target rate with low rates to BNL (actually networking to it is reported as down today)
and RAL.

CMS
Started CSA06 at 10:00 Monday with export of prompt reconstruction output files a few
hours later and it is going well. Currently minimum bias events are being processed
hence the export rate is only about 30 MB/sec. The full rate of 150 MB/sec should be
reached next week when signal events are processed. To approach their target of 50000
jobs/day they will use two tuned glite RB's at CERN and one or two more at a Tier 1 site.

LHCB
Currently have unstable transfers to many Tier 1's. They want to use the gLite
WMS in production so CERN is reconfiguring its two remaining glite RB's to be like
those already tuned for CMS.