

GDB 04 April 2007 LCG Planning

- From 1 April start new resource reporting as per L.M.Robertson document **Summary of the Process for Reporting Experiment Requirements, and Site Capacity and Usage Data for CERN and the Tier-1 Centres** Version 7
- After the MB of 27 March we have released a new 2Q2007 spreadsheet of WLCG Service Coordination planning where 'available' capacity is replaced by 'installed' capacity taken from the end of January accounting plus increments announced at the January workshop as being available by 1 April 2007. Tier-1 sites to verify.
- Other miscellaneous changes to 2Q2007 table were:
 - new values from ALICE (Y.Schutz, 9 Feb.) with reduced tape requirements
 - addition of LHCb requirements for June and July
 - addition of new columns of Allocated disk space (in italics) per site per experiment taken from the end of February accounting
 - change pledges from 2007 values, which need to be available to experiments from 1 July 2007 till 1 April 2008, to 2006/7 values which should be available up till 30 June 2007
 - Add CERN Tier-0 and CAF resources for completeness

Points for discussion:

New proposal that Tape1Disk0 disk buffer size be quantified and be added to disk requirements.

The 2Q2007 spreadsheet shows discrepancies that we will follow-up individually (after sites have verified their installed capacities). They need to be understood if these tables are to have any usefulness:

- for ATLAS and CMS the allocated disk capacity is much larger than that formally required so this is to be understood (we know, for example, that ATLAS MC event sizes are bigger than predicted).

- for ALICE the required disk space is much greater than that allocated. ALICE want to ramp-up to these values but with what time profile ?

In the longer term we are assuming that the full 2007 requirements as in the TDR addenda need to be available to be allocated to experiments from 1 July 2007 and that the full 2008 requirements, as per the 'Summary of Regional Centre Capacities 01/02/2007' need to be available from 1 April 2008 at which point the mid-term planning tables converge to the annual planning and probably no longer need a separate existence. For 3Q2007 we want to quantify the ATLAS FDR needs.

The ramp-ups to 4Q2007 (double of 2Q2007) and then to 2Q2008 (double of 4Q2007) are very steep. A lot of hardware needs to be bought, installed and commissioned.

A particular problem is that ATLAS are now confirming their requirement that 70% of the 2008 resources be available for the start of 4Q2007 (**corrected by D.Barberis during meeting to be 1Q2008**). This is about 3 times what was predicted in the October 2006 TDR addenda and exceeds the 2007 pledges at some sites. We have prepared a draft spreadsheet for 4Q2007 (attached) which has the latest values from experiments and sites and shows the resulting mismatches (**no longer valid - H.Renshall**).