

## Planning SC4 hardware expansion GridKa

<b>Resource</b>	<b>Delta</b>	<b>In service</b>	<b>Status</b>
Network	Lightpath to CERN	Jan. 2006	Waiting for GEANT2 progress
CPU	Expansion with 500 kS of existing 530 kSI	April 2006	Procurement started
Disk	Expansion with 200 TB for dCache of existing 45 TB	April 2006	Procurement starts Nov 2006
Tape	Expansion with 250 TB of existing 620 TB	Jan 2006	Procurement started
Tape IO	Expansion with 320 MB/s of existing 300 MB/s	Jan 2006	Procurement started
	Expansion with 640 MB/s	April 2006	Procurement starts Jan 2006
Write Pool	Expansion with 100 MB/s to 250 MB/s	April 2006	Procurement starts Jan 2006

GridKa operates a joint cluster for LHC and nonLHC HEP experiments. Worker nodes are also used by CDF, BaBar and D0.

The SC3 started the integration into the LCG production environment. The integration and migration to a single production environment is in progress and will be finished in January 2006.

We plan to operate a single database engine (Oracle) to consolidate several separate databases within the LCG frame. Planning is dependent on progress of LCG 3D working group/workshop.