

LCG-2 Roll-out and Stability Validation Schedule

The LHCC has recommended that we move as quickly as possible to a closer, more pro-active collaboration between the regional centres and experiments in planning and operating the LHC grid.

The following is a proposed schedule for the LCG-2 roll-out and validation milestone. Specific sites are proposed to take part in this validation phase. Other sites are welcome to take part, but a minimum capacity of 50 worker nodes must be available, as well as the resources needed to assure excellent support. Similarly ALICE and CMS are proposed as users of the service, as they will be the first to start their data challenges, and preliminary discussions suggest that they are prepared to move to the service on the proposed timescale. ATLAS and LHCb are of course also welcome to take part. It is assumed that initial setup by the experiments takes place on a test environment at CERN.

Experiment and Regional Centre members are asked to examine this schedule and give their feedback as soon as possible. If you agree to take part, this implies a commitment from users and regional centres that they have the resources – computing capacity and manpower. Note that the manpower must be maintained until at least until the end of April to ensure sufficient time to complete the validation test. Experiments should also confirm a take-up plan that is consistent with the schedule in this note.

Target sites and experiments

Target sites with worker node count (normally 2-cpu systems):

<i>Site</i>	<i># worker nodes</i>	<i>Other resources</i>
CERN	200	Castor
CNAF	200	Castor
Spain	???	Castor
FZK	100	dCache/TSM
NIKHEF	60	
FNAL	100	dCache/ENSTOR
Taipei	50	
RAL	200	

Target experiments – CMS, ALICE

Proposed Schedule

<i>Target date</i>	<i>Event</i>	<i>Comment</i>
8dec03	LCG-2 delivered to installation team	One week for final packaging and testing
15dec03	LCG-2 package available to regional centres	Experiments can start testing at CERN
	Assume one week for installation, two week Christmas break, one week slack	
12jan04	10 worker nodes in operation at each regional centre	Experiments can start installation, set-up, testing
18jan04	Agreed node count reached in each centre; staffing available for service operation, debugging, stabilisation	
2feb04	Production service in operation	Define the stability criteria for the validation test (availability, system admin. response time; job-failure rate, ..)
	Two week running in period	
16feb04	Start 30-day validation test	Unstable sites will be withdrawn prior to the test period

DRAFT – 3 december 03
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