

Alberto Masoni, 09-10-2003

COUNTRY	MEMBER	Part.	DEPUTY	Part.
Austria	Dietmar Kuhn	yes		
Canada	Randy Sobie	no	Robert McPherson	
Czech Republic	Milos Lokajicek	yes		
Denmark	John Renner Hansen	no	Anders Waananen	
Finland	Klaus Lindberg	no	Jukka Klem	
France	Denis Linglin	Yes	Thomas Kachelhoffer	
Germany	Klaus-Peter Mickel	Yes	Holger Marten	
Hungary	Andras Benczur	no	G.Vesztergombi	
India	D.D.Bhawalkar	no	P.S Dhekne	
Italy	Federico Ruggieri	*	Luciano Gaido	
Japan	Hiroshi Sakamoto	vrvs	Tatsuo Kawamoto	
Netherlands	Kors Bos	no	Arjen Van Rijn	
Poland	Michal Turala	no	Jan Krolkowski	
Portugal	Gaspar Barriera	no	J. Gomes	
Russia	Slava Ilyin	no	V.Korenkov	
Spain	Manuel Delfino	vrvs	A. Pacheco	yes
Sweden	Anders Ynnerman	no	Niclas Andersson	vrvs
Switzerland	Christoph Grab	vrvs	Allan Clark, Marie-Christine Sawley	
Taipei	Simon Lin	Yes	Di Qing	
United Kingdom	John Gordon	yes	Steve Lloyd (repl by T. Daniels)	yes
United States	Vicky White	vrvs	Bruce Gibbard	
CERN	Tony Cass	yes		
ALICE	Yves Schutz	no	Alberto Masoni	yes
	Federico Carminati	no		
ATLAS	Gilbert Poulard	**	Laura Perini	yes
	Dario Barberis	no		

CMS	Tony Wildish	no		
	David Stickland	***		
LHCb	U. Marconi	no	Andrei Tsaregordtsev	
	Nick Brook	vrvs		
Project Leader	Les Robertson	yes		
GDB Chair	Mirco Mazzucato	yes		
GDB Secretary	Alberto Masoni	yes		
Grid Deployment Mgr	Ian Bird	Yes		
Fabric Manager	Bernd Panzer	no		
Appl. Manager	Torre Wenaus	no		
Chief Tech. Officer	David Foster	no		
SC2 Chair	Matthias Kasemann	no		
Work Group Tech. Support	David Kelsey, Tony Cass	Yes yes		

*Replaced by Antonia Ghiselli , ** replaced by Rob Gardner, *** replaced by Lothar Bauerdick

Meeting Agenda

See the agenda at: <http://agenda.cern.ch/fullAgenda.php?ida=a035444>

Minutes of previous meeting and communications

The minutes of the previous meeting were approved.

Review of the action list

The open actions (see table at the end) were reviewed and updated.

The actions on the collection of hardware and human resources stay open. Bernd circulated an updated table. Data from several countries are still missing or incomplete. It has been clarified that the resources are meant for LHC experiments, the fraction provided through the LCG service would be variable along the year according to the deployment status. The data should be addressed to Bernd.

Vicky and Denis declared the numbers provided about one year ago are still valid. In particular Vicky recalled that the US contribution is intended as global one, without specifying how they are distributed among the centres.

It has been agreed anyway that both Vicky and Denis will send a confirmation mail to Bernd.

Several actions related to LCG security are still open, Dave will follow them.

The action on LCG Deployment is still open, it will be followed by Ian

A discussion took place on how these responsibilities are organized; this can be a particularly complex, especially at large computing centre.

This point will be discussed again later, after Ian presentation.

Action on User support: Klaus Peter reported that, at this very moment, only Italy responded and provided people. This action is still open

Discussion and approval of the Security Policy document (D. Kelsey)

See slides and document attached to the minutes.

The document (CERN-LCG-GDB-2003-44) has been presented at the GDB meeting on 9/9/2003; here the updated version is presented. The document is reviewed and approved by the GDB.

Concerning the GOC it is clarified it means essentially a service that can be performed by more than one centre.

Grid Operations (J. Gordon, see slides)

For the website the main structure is in place, GridSites is used for updating.

Several monitoring tools have been installed: Gppmon, Mapcentre, GridICE, Mona Lisa (to be installed.) Probably different monitoring tools have to be used according to circumstances.

Concerning the accounting each centre use his own system, what is being done is a schema to interchange the data, a display front –end already exists.

A second GOC should be added by the end of November, this should be covered with two additional staff. The point of the staff requirements was discussed also. In the plan three GOC centres are foreseen in order to ensure covering along the 24 hours, It is not clear at present whether this level of staffing is appropriate or not (24 hours operation would require 5 people). The staff profile is also an issue. People with a certain expertise, not just operators, are needed.

Action on J. Gordon: to ask the steering group to define GOC tasks, to identify procedures and to provide an implementation plan. Manpower needs must be evaluated also. Report by November meeting, document by December meeting

LCG-1 Deployment status (Ian Bird)

Up to date situation is available at

<http://www.grid-support.ac.uk/GOC/Monitoring/Dashboard/dashboard.html>

Grid Deployment (I. Bird, see slides))

The experiments are starting to use the service. The results are encouraging, running jobs has greatly improved and so far MDS is holding well but it has not been tested under heavy load of a full distributed system.

The functionality integrated in EDG 2.0 and 2.1 is very much reduced with respect to that originally expected.

The target is to deploy LCG-2 by November 20

A discussion took place on the use of POOL with RLS. Two mutually incompatible RLS implementation exist. POOL currently works on the EDG version. The aim is to have a common solution, but it will not be available before May 2004. It must be clarified whether, in the first half of the year, the experiments need a distributed catalogue or a central catalogue can be sufficient.

At present it is not clear yet the experiments position on this argument.

The aim is to go for an interoperability solution. This decision will be reviewed in three months.

R-GMA is now in EDG 2.1, being tested but timescale will not allow testing as a replacement for MDS. The only viable solution is to prepare a package that can be deployed independently to a site without interfering with the current LCG-1. That will require an extra effort and extra people (not available now within the LCG deployment group).

For the installation the experience has shown that site installing new clusters LCFG was a good solution. For large sites, with non-dedicated existing clusters, it cost a sizeable effort because of interference with the existing system.

Action on Ian Bird: to constitute a group that will look for installation tools to be used on top of existing systems and to analyse costs and benefits of the different possible solutions. Announcement will be put on the web.

Action on GDB members: to appoint somebody someone to take part of the installation tools group.

Another issue concern the data management, for the short term (Data Challenges) something must be worked out to grant access to the mass storage.

Action on Ian Bird: to constitute a Data Management working group to set LCG requirements, in particular on deploying a solution to access MSS. This should address the short term issue for the experiments Data Challenges next year.

Announcement will be put on the web.

Another issue concerns the communication that needs to be improved, after some discussion it was agreed that Ian would circulate a news update on a regular basis. For the Tier-2 there is a problem for countries not having a Tier-1, they normally refer to CERN, actually a 'regional' Tier-1 should be identified for these cases and these Tier-2 centres should refer to this centre instead of CERN, (with the exception of Switzerland, where there is a specific agreement).

Grid-3 (R. Pordes, see slides))

Grid3 obtained endorsement and encouragement for NSF and DOE. The project is scheduled to finish at the end of 2003; a specific goal will be to run a demonstrator for the Supercomputing 2003 conference in November.

A discussion took place on grid federation and grids interoperability. In Europe the EGEE project constitutes a grid federation, based on the same middleware. In the case of Grid-3 the middleware will be different and a specific effort on the grid interoperability will be necessary for the specific needs of the LHC experiments. This issue will not be solved for the next Data Challenge.

According to the CMS representative this will not represent a problem for CMS DC04, the deployment of LCG-1 in US sites does not constitute an essential point for DC04.

A survey was made among the different centres concerning the availability of resources for LHC experiments through LCG-1.

Austria, CERN, Czech Republic, Germany, Italy, UK, Taiwan declared that resources will migrate to LCG-1 following the experiments requirements.

The same statement is valid for France, provided that LCG-1 software will be compatible with existing infrastructure that serves many other experiments. The Lyon computing centre will provide his best effort to solve these problems in cooperation with the deployment team.

At the end of the discussions the following two actions are decided

Action on experiment representatives: clarify use cases and scope of Data Challenge milestones with respect to LCG-1

Action on national representatives: clarify computing centres contribution to the experiment Data Challenges

Next meetings

- 10/11 CERN
- 2/12 CERN
- 2004 meetings: a schedule will be proposed at the next GDB, first two meetings should be at CERN, the March meeting should be in Karlsruhe

Action list

Actions from previous meetings

<i>Action</i>	<i>Responsible</i>
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LCG Security: nominate technical experts to the security group	GDB members Action closed
LCG Computing Resources - To provide the information requested according the guidelines established above, <u>Both on personnel and hardware resources</u>	National GDB members Action open
LCG Computing Resources - To ensure that each country will convey the information to the GDB representative and provide detailed schedule of their computing needs for their Data Challenges	Exp. Representatives Action open
LCG Security Ensure that the list of people (nationally) to be contacted in case of security incidents is correct and provided to the LCG Security group Deadline end of July	National GDB members Action open
LCG Security prepare proposal for long-term User Registration/VO Management (Deadline end of 2003)	Ian Bird, Dave Kelsey Action open
LCG Security to replace for next year current VO manager Andrea Sciaba	CMS representative Action open
LCG Deployment Provide the following information for new countries and for Tier 2s: –Propose sites (for Tier 2s) –Date when site is ready to join LCG-1 –Contacts at site: system manager and security contact •For Tier 2 need also name of responsible Tier 1 person who will coordinate the deployment	National GDB members Action open Ian will follow this action
LCG Security ensure that Audit Requirements are implemented (deadline end of July)	National GDB members Action open
LCG Security Ensure that the list of people (nationally) to be contacted in case of security incidents is correct and provided to the LCG Security group Deadline end of July	National GDB members Action open
LCG Security prepare proposal for long-term User Registration/VO Management (Deadline end of 2003)	Ian Bird, Dave Kelsey Action open
LCG Security to replace for next year current VO manager Andrea Sciaba	CMS representative Action open
Grid Operation Centre (GOC) – To create a task force by identifying a small group of experts to define the requirements and to agree prototype for Grid Operation Services. Update After GDB meeting 08/07/03: provide confirmation from Cristina Vistoli (Mirco) and definition of US members (Vicky)	Ian Bird Done

Oracle at LCG sites nominate contacts for Oracle installation at Tier1s and provide feedback on the proposal	National GDB members Action open
User Support: To organize a meeting on user support tools, before September 24 th ,	Klaus-Peter Mickel Action open
Grid Operation Centre (GOC) – Verify availability of manpower from external centres to carry out the necessary developments on time	Trevor Daniels, Denis Linglin, Federico Ruggieri Action open
Press release: to provide a press contact to the head of the CERN press office: James.Gillies@cern.ch	National GDB members Done
LCG-1 Deployment: provide a careful evaluation of the man power that can be dedicated to LCG1 with top priority at each participating centre.	National GDB members

New actions

<i>Action</i>	<i>Responsible</i>
Grid Operation Centre (GOC) – to ask the steering group to define GOC tasks, to identify procedures and to provide an implementation plan. Manpower needs must be evaluated also. Report by November meeting, document by December meeting	John Gordon
Grid Deployment to constitute a group that will look for installation tools to be used on top of existing systems and to analyse costs and benefits of the different possible solutions. Announcement will be put on the web.	Ian Bird
Grid Deployment to appoint someone to take part of the installation tools group	National GDB members
Grid Deployment to constitute a group and find the manpower for a solution to access MSS (usable for the experiments Data Challenges next year)	Ian Bird
Grid Deployment clarify use cases and scope of Data Challenge milestones with respect to LCG-1	experiment representatives
Grid Deployment clarify the computing centres contribution to the experiment Data Challenges	National GDB members