

**LHC Computing Grid Project
Minutes GDB Meeting
9 September 2003
Alberto Masoni, 09-09-2003**

COUNTRY	MEMBER	Part.	DEPUTY	Part.
Austria	Dietmar Kuhn	yes		
Canada	Randy Sobie		Robert McPherson	
Czech Republic	Milos Lokajicek	yes		
Denmark	John Renner Hansen		Anders Waananen	
Finland	Klaus Lindberg		Jukka Klem	
France	Denis Linglin	Yes	Thomas Kachelhoffer	
Germany	Klaus-Peter Mickel	Yes	Holger Marten	
Hungary	Andras Benczur		G.Vesztergombi	
India	D.D.Bhawalkar		P.S Dhekne	
Italy	Federico Ruggieri	Yes	Luciano Gaido	
Japan	Hiroshi Sakamoto		Tatsuo Kawamoto	
Netherlands	Kors Bos	yes	Arjen Van Rijn	
Poland	Michal Turala	Yes	Jan Krolkowski	
Portugal	Gaspar Barriera		J. Gomes	
Russia	Slava Ilyin	vrvs	V.Korenkov	
Spain	Manuel Delfino		A. Pacheco	yes
Sweden	Anders Ynnerman		Niclas Andersson	vrvs
Switzerland	Christoph Grab	Yes	Allan Clark, Marie-Christine Sawley	
Taipei	Simon Lin	Yes	Di Qing	
United Kingdom	John Gordon		Steve Lloyd (repl by T. Daniels)	yes
United States	Vicky White	vrvs	Bruce Gibbard	
CERN	Tony Cass	yes		
ALICE	Yves Schutz		Alberto Masoni	yes
	Federico Carminati			
ATLAS	Gilbert Poulard	yes	Laura Perini	yes
	Dario Barberis	yes		

**LHC Computing Grid Project
Minutes GDB Meeting
9 September 2003**

CMS	Tony Wildish	yes		
	David Stickland			
LHCb	U. Marconi		Andrei Tsaregordtsev	
	Nick Brook	yes		
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	Yes		
Appl. Manager	Torre Wenaus		Oxana Smirnova	
Chief Tech. Officer	David Foster			
SC2 Chair	Matthias Kasemann	Yes		
Work Group Tech. Support	David Kelsey, Tony Cass	yes		

Fabrizio Gagliardi (EDG/EGEE), Erwin Laure (EDG/EGEE)

**LHC Computing Grid Project
Minutes GDB Meeting
9 September 2003**

Meeting Agenda

See the agenda at: <http://agenda.cern.ch/fullAgenda.php?ida=a03923>

Minutes of previous meeting and communications

The minutes of the previous meeting were approved.

Review of requirements for Experiments DC and LCG resources Quarterly report on human resources used in RC

The procedure to collect information started both by Bernd (hardware resources) and Chris (personnel), only a few answers from Centres up to now
These data are necessary for the October Computing RRB.

Action for GDB National representatives: to supply the data before September 28th.

Comments: how to quantify the human resources, in particular how to distinguish the experiment specific support from the LCG support.

This problem shows in particular for computing centres supporting many experiments. Lyon and Fermilab expressed their difficulty at giving reasonable numbers.

For the hardware resources it seems there are fewer difficulties. It has been reminded that the hardware resources commitment is essential for the Data Challenges plans of the four experiments.

Another issue was the availability of resources through the grid and what happens if the grid service would not allow the use of all resources for production.

The conclusion was that the computing centres would provide the list of resources they intend to make available to the experiments for their Data Challenges. As far as possible, according to the functionality of LCG, these will be made available within the LCG Grid infrastructure. The DCs will verify a posteriori which fraction could effectively be used through LCG and the analysis of the source of inefficiency will be an important parameter for the future progress.

Progress on user support tools (see slides on the agenda)

Two problem-tracking products are considered, Savannah is preferred by the experiments, Remedy is more suitable from the point of view of the support/helpdesk. Ian noted that a group from BARC in India is working on providing an improved yet straightforward problem-tracking tool that would be embedded in Savannah. The LCG solution aims to allow the various centres or experiments to adopt their preferred tool. This is obtained through the definition of a standard interface allowing passing tickets from one tool to another. The use of such an interface will allow the experiments to use Savannah while Remedy is used on the helpdesk side.

Action on Klaus-Peter Mickel: to organize, within two weeks, a meeting on this subject including people from the GDB group at CERN, the Indian group and from different regional centres.

LHC Computing Grid Project
Minutes GDB Meeting
9 September 2003

Progress and action from the GOC task force (see slides on the agenda)

The present status of GOC phase 1 is as follows:
the set up of an initial monitoring centre (foreseen end of July) has been realised;
the development of a Grid security policy is in progress;
the definition of critical services parameters to be monitored has started;
the development of a report format to present the information is about to start;
the evaluation and selection of the tools for phase 2 has not started yet.

The group will continue to develop the GOC website and work with the Security group on the definition of policies and procedures.

Action on Trevor Daniels, Denis Linglin, Federico Ruggieri. Verify availability of manpower from external centres to carry out the necessary developments on time. {I think Ian has already questioned this – it must be RAL that takes this on.}

Press release: the agreed date is 29 September. The list of institutes will be agreed on the basis of the status of deployment at that time.

Action on National Representatives: to provide a press contact to the head of the CERN press office: James.Gillies@cern.ch

Status of LCG-1 deployment (see transparencies)

Official certified LCG-1 release available on September 1st
LCG-1 deployment is proceeding. Tests are being done by the loose cannons.
Test with ALICE events (by the loose cannons) successful
Priority is on the developments in the Storage Element to grant data access
Progress on RGMA is slow and it is not guarantee that it will be completed in time to include it in LCG-1.

There are problems in the response from several centres. LCG-1 was successfully installed at 5 centres within 24 hours. The system appears to work if the appropriate infrastructure is present. It is apparent that in several centres not enough resources are dedicated to the LCG project activities, certainly not as much it has been initially formally committed.

Action on National Representatives: each participating centre should provide a careful evaluation of the manpower that can be dedicated to LCG1 with top priority. From the experience up to now two dedicated people constitute the bare minimum.

Time schedule: the target is to deploy the version 2, to be used in production for DC next year, by November 20th.

The experiments will now start testing LCG-1. ALICE already started some tests with the loose cannons, ATLAS and CMS will test the interoperability with the US.

Presentation of Draft Security Policy Document (see attached document and slides)

LHC Computing Grid Project
Minutes GDB Meeting
9 September 2003

From the discussion within the Security Group it emerged that a procedure for addition of new sites needs to be established (e.g. Budapest joined LCG-1 but no security contact was established).

The draft document for Security Policy (see attached document) has been prepared. It will be presented for formal approval at the October meeting

The procedure for approval was discussed. The conclusion was that the document should first be discussed and agreed within the GDB and then sent to SC2 for formal final approval within the project.

Action on GDB members: read the documents and send comments to Dave in order to have a final version for approval at the GDB meeting in October

Report from LHCb (see transparencies)

EGEE Progress (see transparencies)

The contract procedure is going on, no major problems with the EU. The Technical Annex final version should be sent by the end of September. Then the contract should be signed and the project should start, as scheduled, on April 2004.

Grid3 and OSGI (see transparencies)

Main issues:

- Human resources for Grid2003 will not subtract resources from the LCG contribution.
- The proposed system is based on a 'federated grid'. This led to a discussion on how this grid will integrate within the framework of the LCG-1 service, especially, on a short term, for the DCs on the next year. Worries were expressed on the availability on US resources for the LCG-1 services, even if from the US side, the US commitment for the experiments DCs was ensured.

Next meetings

- 9/10 (Chicago connected to GGF)
- 10/11 CERN
- 2/12 CERN

**LHC Computing Grid Project
Minutes GDB Meeting
9 September 2003
Actions status GDB meeting 9/9/2003**

Actions from previous meetings

<i>Action</i>	<i>Responsible</i>
LCG Security: nominate technical experts to the security group	GDB members Action open
LCG Computing Resources - To establish some guidelines in providing the information from the computing centres & send the requests by e-mail within two weeks	Bernd Panzer & Exp. Representatives Done
LCG Computing Resources - to establish a WEB form with the required information to be filled by the GDB National Representatives	Bernd Panzer & Les Robertson Done
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: <u>Data are needed for September 28th</u>
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 Security 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
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	National GDB

**LHC Computing Grid Project
Minutes GDB Meeting
9 September 2003**

be contacted in case of security incidents is correct and provided to the LCG Security group Deadline end of July	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
Next meetings to confirm and provide details for the October GDB meeting in Chicago	Vicky White Meeting confirmed

New actions

<i>Action</i>	<i>Responsible</i>
User Support: To organize a meeting on user support tools, before September 24 th ,	Klaus-Peter Mickel
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
Press release: to provide a press contact to the head of the CERN press office: James.Gillies@cern.ch	National GDB members
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
LCG Security approval of the Security Policy document available at http://agenda.cern.ch/askArchive.php?base=agenda&categ=a03923&id=a03923s1t12/document Comments should be sent to Dave before the end of September in order to approve the Document at the 9/10 GDB meeting	National GDB members & Dave Kelsey