

Alberto Masoni, 15-06-2004

COUNTRY	MEMBER	Part.	DEPUTY	Part.
Austria	Dietmar Kuhn	yes		
Canada	Randy Sobie		Mike Vetterli	yes
Czech Republic	Milos Lokajicek			
Denmark	John Renner Hansen		Anders Waananen	
Finland	Klaus Lindberg		Jukka Klem	yes
France	Denis Linglin	yes	Fabio Hernandez	Yes
Germany	Klaus-Peter Mickel		Holger Marten	Yes
Hungary	Andras Benczur		Gyorgy Vesztergombi	Yes
India	D.D.Bhawalkar		P.S Dhekne	
Italy	Federico Ruggieri		Luciano Gaido	
Japan	Hiroshi Sakamoto	vrvs	Tatsuo Kawamoto	
Netherlands	Kors Bos	yes	Arjen Van Rijn	
Poland	Michal Turala	Repr. by M. Witek	Jan Krolikowski	
Portugal	Gaspar Barriera		J. Gomes	
Russia	Slava Ilyin	vrvs	V.Korenkov	
Spain	Manuel Delfino		A. Pacheco	Yes
Sweden	Niclas Andersson		Tord Ekeloff	
Switzerland	Christoph Grab		Allan Clark, Marie-Christine Sawley	
Taipei	Simon Lin	Yes	Di Qing	
United Kingdom	John Gordon	Repr. By D. Kelsey	Steve Lloyd	
United States	Vicky White	vrvs	Bruce Gibbard	
CERN	Tony Cass			
ALICE	Yves Schutz		Alberto Masoni	yes
	Federico Carminati	Yes		

ATLAS	Gilbert Poulard	yes	Laura Perini	yes
	Dario Barberis	yes		
CMS	Tony Wildish			
	David Stickland	Yes		
LHCb	Ricardo Graciani		Andrei saregordtsev	
	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	Yes		
Appl. Manager	Torre Wenaus			
Chief Tech. Officer	David Foster			
SC2 Chair	Matthias Kasemann			
Work Group Tech. Support	David Kelsey, Tony Cass	yes		

Meeting Agenda

See the agenda at:

<http://agenda.cern.ch/fullAgenda.php?ida=a04114>

Minutes of previous meeting and communications

The minutes of the previous meeting were approved.

Next meetings:

- 2004 meetings:
 - July 13 CERN
 -
 - September 8 CERN
 - October 20 Amsterdam
 - November 17 CERN
 - December 15 CERN

Progress with Phase 2 planning (L. Robertson)

Outline approved by the POB

- June 2004 Editorial board for LCG TDR
- September 2004
- Consolidated Tier-1, Tier-2 Regional Centre Plan prepared by LCG management, experiment and Regional Centre representatives, reassessment of experiments requirements for Phase-2 examined by LHCC
- October 2004 Draft MoU
- End 2004 Initial Computing models agreed by experiments
- April 2005 C-RRB final MoU
- June 2005 TDR

LCG-2 and Next Generation middleware

The target is to keep a production service and progressively integrate new grid components with a cycle of evolving prototypes.

ATLAS Data Challenge Report (G. Poulard)

(see slides)

LHCb Data Challenge Report (N. Brook)

(see slides)

LCG2 status (I. Bird)

62 sites now in LCG-2

Middleware release end of May (about 50 bugs fixed)

- Consolidation/maintenance
- New VDT 1.1.14 (Globus 2.4.3)
- Workload Management maintenance

- New features
 - Data management
 - Lcg-utils
 - GFAL integration
 - ‘long names’ Castor client
 - RB much faster

Still expect to run LCG-2 until Spring 2005 providing production service for experiments Data Challenges and other applications. Improvements/upgrades coming from the prototype activity will be integrated.

Add-on services in June

- R-GMA
- VOMS
- ROOT integration with GFAL

What is missing:

Fully functional storage element

Acceptable (adequate performances) Replica Location Service

High level tools

In summary

the basic LCG-2 service is stable, other LCG infrastructure work will continue (monitoring and accounting tools)

The data management is the field that requires more work

Priorities should be clarified

There ideas for interoperability to be investigated

Action on the experiment representatives: provide indications of priorities

Mass storage issues: experience from the last 4 months of DC (B. Panzer)

Several problems were put in evidence.

- Server instability (understood and fixed now more or less back to standard conditions) will be solved in the New Castor version
- Shortage of disk space (mainly due to the replacement for technical problems of 65 disk servers)
- Problem with the large number of small files
 - Limits in the current stager: maximum number of files 1 M and degraded performances over 500 K
 - Anyway a large number of files creates overheads and inefficiencies for the tape access.

Action on experiment representatives: set up a group to start an intensive investigation about the overhead of small files at all levels (a tape, disk, data transfer...)

ALICE Data Challenge Report (F. Carminati)

(see slides)

Linux support at FNAL and CERN (V. White, J. Iven)

(see slides)

Progress with Service Plan Team (I. Bird)

Report from Security Group: (D. Kelsey)

(See slides on the web)

Concerns are expressed, within the security group on the LCG-2 expansion and on the increasing attention on Grids that can lead to hacker's attacks.

The final version of the Guide on the LCG network security is now ready for GDB comments. It is available on the agenda at

<http://agenda.cern.ch/askArchive.php?base=agenda&categ=a04114&id=a04114s1t10/document>

The LCG Security Group considers the current firewall requirements inappropriate for a production grid. A clear network access control policy must be established.

The GDB decides that the document deserves an appropriate discussion.

The GDB decides that comments should be sent to Dave Kelsey and a discussion is scheduled for the next GDB meeting.

EU grid PMA now exists and EGEE will use CAs approved by the PMA.

The proposal for LCG is to accept the EU grid PMA approved list. Any additional CAs will follow the existing procedure.

Action on GDB members: to comment on new CA process

A draft list has been prepared with the 'top 10' site security requirements

Action on GDB members: to comment on EGEE site security requirements

A.O.B.

Clash between GDB and HEPiX (BNL) in october

Action list

Actions from previous meetings

<i>Action</i>	<i>Responsible</i>
LCG Security ensure that Audit Requirements are implemented (deadline end of July)	National GDB members New Action on John Gordon to make a survey of sites
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 to be verified
Grid Deployment to appoint someone to take part of the installation tools group	National GDB members Action open
Grid Operation Centre (GOC) – to ensure that the accounting system will be operational at the beginning of February, in order to use it for the Experiments’ s Data Challenges. The sites are responsible for sending the logging schema information to the central database.	John Gordon National GDB members Action open Report at June GDB
Grid Deployment provide requirements for the development of general mirror procedure for the experiments software starting from a single worker node installation	Site representatives, Flavia Donno Action closed Open action on delivery a solution
Grid Deployment to organize discussion to make practical recommendation on how to organize CE, queues and info providers in LCG	Ian Bird Action open
Grid Deployment to define working team to port LCG M/W to new operating systems: M/W to RHEL, Fedora and IA64	GDB members Done New action: to report on progress
LCG-HP relationship – to keep contacts with HP and prepare the terms of agreement for HP participation to LCG	Ian Bird, Mirco Mazzucato Action open

New actions

Action	<i>Responsible</i>
Grid Deployment: to provide indications of priorities in the deployment area	EXP. Representatives
Mass Storage to setup a group to start an intensive investigation about the overhead of small files at all levels (a tape, disk, data transfer...)	EXP. Representatives
LCG Security to comment on EGEE site security requirements	GDB members
LCG Security to send comments to Dave Kelsey on the <i>Guide on the Policy and Procedures</i> document	GDB members