LHC Computing Grid Project
Grid Deployment Board
Notes on the GDB meeting 10-04-2003

Alberto Masoni, 10-04- 2003

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

	Dario Barberis	yes		
CMS	Tony Wildish	no		
	David Stickland	Yes		
LHCb	Eric van Herwijnen	No	Andrei Tsaregordtsev	yes
	John Harvey	No		
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	Oxana Smirnova	No
Chief Tech. Officer	David Foster	yes		
SC2 Chair	Matthias Kasemann	yes		
Work Group Tech. Support	David Kelsey, Tony Cass	Yes		

Apologies received from: Cristoph Grab, Fabrizio Gagliardi (replaced by Erwin Laure), Manuel Delfino (replaced by Andreu Pacheco).

Meeting Agenda

10:30 Communications (10') Mazzucato, M

10:40 Approval of previous meeting minutes (05')

10:45 Discussion of meeting agenda and procedure (15')

11:00 Progress on Grid file acccess (1h00') (transparencies) Foster, D

12:00 Lunch break (1h30')

13:30 Security : issues and tasks to be addressed (1h00') Kelsey, D

14:30 Operation centres (1h00') (transparencies) Bird I.

15:30 User support model (45') Mickel, Klaus Peter

16:15 The EGEE project and LCG (30') Mazzucato, M

16:45 AOB (15')

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Minutes of previous meeting and communications

Mirco communicated that he is due to report to the Computing RRB on April 15 concerning the resources available in Regional Centres. In some cases the information for 2005 is not available. It has been agreed that the Country Representatives will either provide this information by the end of the week or the 2004 capacity will be indicated for 2005 also.

The minutes of the previous meeting were approved.

Discussion on meeting agenda and procedures

Vicky raised a procedural issues. She asked for fixing in advance the points on the discussion and ensuring that the documents are available well in advance to allow people attending the meeting to be prepared for the discussion.
Dario expressed his agreement on this point and asked for a plan for the future meetings.
Ian replied that the agenda was available since some time, although it had not been published. He also said that some of the items on today's agenda are rather progress reports, where it was not possible to make the documentation available in advance. For example the Security item will cover discussions of the Security Group at its meeting the previous day.
Vicky enforced the request for a work-plan defined in advance. She also said that,since the project involves resources worldwide, there should be a well defined process, agreed within the GDB, on the way the work has to be done and the resources are allocated.
Les observed that all the points on the agenda refer to activities for which the process has been discussed at previous meetings . In particular: the working group on Grid File Access was initiated at the December meeting as a result of the interim report of Working Group 1 (middleware); the Security Group was set up on the recommendation of Working Group 3 (security) at the February meeting, and the convenor was announced at the March meeting; the User Support working group was set up in the February meeting.
Denis observed that the worldwide distributed nature of the project requires a more organized procedure, especially if we want to use the resources available in different countries .
Vicky asked how many centres have people involved in any one of the 3 activities discussed at the meeting. It turned out 4/5 centres are involved
Les reminded the meeting that the GDB is an operational one driven by the problems to be solved.

Action on GDB Chair & Secretary: make a plan for the next meetings, available in advance on the web, that takes into account of the deployment schedule and the problems to be solved, allowing for the involvement of resources available worldwide

Progress on Grid file access - Dave Foster (see slides attached to the agenda)

This problem has been identified in the context of the WG-1 report. The GDB has given mandate for this activity on December 9th.
Contributors are Michael Ernst and Don Petravic plus consultation with GAG, STAG, EDG WP2 and WP5, and other experts.
The written document has been widely reviewed. It requires some further work.
The aim is at a reasonable solution achievable within the next 6 months.

What is needed:

- The Grid File Access Library
- The Storage Services
  - SRM interface to MSS & Disks
  - File access protocol
  - GridFTP
  - Replica Manager Services (they are under development but API version is available

To be done

- Identify software development resources and complete a design and implementation for the GFAL
- Target complete implementation 1.0 should be September, early version for July to demonstrate R/W capability

Action on GDB members:
Opinions/comments to be sent on the presented proposal within 15 days.
Resources are likely to come from CERN, Wisconsin, and perhaps FNAL. Action on David Foster: Dave will report at the next GDB with an implementation proposal quantifying the effort required and specifying where this will come from.

Security : issues and tasks to be addressed - Dave Kelsey (see slides attached to the agenda)

Main points:

- Report from the group first meeting (held the day before)
- Present issues already identified
- Concentrate what needs to be done by July 2003-04-10 Invite comments/suggestions from the GDB

Mandate:

- The group should continue the work of WG3 (final report available)
- It should produce and maintain an implementation plan (first 3 months then for 1 year)
- Where necessary a specific focussed task force should be created

Membership

- Experiment representatives
- Site security officers
- Site resource managers
- Security middleware expert/developers

The implementation plan for July 2003 was presented with identified responsibilities (where available).
Procedures for User Registration, VO management, Incident Response, AUP/ Usage Guidelines were presented

The need for a security policy with responsibilities definition has to be defined, a draft could be available by July 2003.

For Network connectivity all the worker nodes should not have offsite connectivity. Firewall constitutes an important issue, currently tackled by CERN team and site managers as part of LCG-0 rollout.
Authentication two main issues identified:
who defines the list of trusted CA ?
how to introduce new types of CA ?
Today
EU CA PMA run by EDG
New North America PMA created
GGF discussing PMA coordination now

Action: the group should converge on the final report for the June GDB meeting with the list of the relevant issues available by the end of May to allow for an appropriate discussion at the June meeting.
The GDB members are invited to propose technical experts from their sites.

Operation centres - Ian Bird (see slides)

Resources: RAL (leading role), Lyon, CNAF (monitoring tools)

Other resources are expected to come from India.

Expression of interest come from the Datatag, IVDGL and MonaLisa projects.

Action on RAL: Initial description and definition of the Operation Centre for LCG available for May meeting. Work-plan report for June GDB meeting

Initial prototype (with a single monitoring centre) for July 2003

User support model - Klaus Peter Mickel (see slides)

WG updated document

One portal, 3 support sites behind (Europe, North America , Asia)

FZK will take responsibility for the user support activity.

Lyon can provide expertise in the development phase (not act as a support centre)

The question whether the experiments should filter the questions is still open.

Problems for the experiments are: providing a 24 hours service from the experiments and identifying the problem area. On the other side it becomes much more difficult, for any support centre, to handle experiment related problems.

Action: progress report for the June meeting

The EGEE project and LCG (30') - Les Robertson, Fabrizio Gagliardi

One of the critical points for the LCG – EGEE relationship is how to match the LCG needs (specifically its timescale) with the EU EGEE project timescale. The time schedule for the EGEE proposal is extremely tight: the draft proposal appeared at the beginning of this week and an EGEE Executive Committee is scheduled for the day after this meeting. The LCG-EGEE relationship charges and responsibilities are under discussion.

AOB

Michal Turala reminded the meeting of the call for contribution for Computing related papers at the EPS Conference at Aachen

Next meetings

The schedule for 2003 (proposed at the last meeting) was confirmed

- 8/5 CERN 11-18
- 10/6 CERN 11-18
- 8/7 (RAL)
  - the meeting will be at Coseners House (network connection is ensured) a visit to RAL Tier-1 could be arranged
- 9/9 CERN
- 9/10 (Chicago connected to GGF)
- 10/11 CERN
- 2/12 CERN

Action List

Action	*Responsible*
Make a plan for the next meetings, available in advance on the web, that takes into account of the deployment schedule and the problems to be solved, allowing for the involvement of resources available worldwide	GDB Chair & Secretary
Grid file access: Opinions/comments to be sent on the presented proposal within 15 days	GDB members
Grid file access: Implementation proposal at the next GDB quantifying the effort required and explaining who will do the work	David Foster
LCG Security : nominate technical experts to the security	GDB members

group	
LCG Security : prepare a list of the relevant issues, to be presented at May meeting, circulate a specific proposal by the end of May to allow for an appropriate discussion at the June meeting	Dave Kelsey
Operation centre : Initial description and definition of the Operation Centre for LCG available for May meeting. Work-plan report for June GDB meeting. Initial prototype (with a single monitoring centre) for July 2003.	John Gordon / RAL
WG5: progress report for the June meeting	Klaus-Peter Mickel