LHC Computing Grid Project
Grid Deployment Board

DRAFT
Notes on the GDB meeting 6-02-2003
Alberto Masoni, 7-02- 2003

COUNTRY	MEMBER	Part.	DEPUTY	Part.
Austria	Dietmar Kuhn	yes		
Canada	Randy Sobie	no	Robert McPherson	no
Czech Republic	Milos Lokajicek	yes		
Denmark	John Renner Hansen	yes	Anders Waananen	no
Finland	Klaus Lindberg	no		
France	Denis Linglin	no	Thomas. Kachelhoffer	yes
Germany	Klaus-Peter Mickel	yes	Holger Marten	no
Hungary	Andras Benczur	no		
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	yes	Arjen Van Rijn	
Poland	Michal Turala	yes	Jan Krolikowski	no
Portugal	Gaspar Barreira	no	J. Gomes	yes
Russia	Slava Ilyin	yes		
Spain	Manuel Delfino	yes		
Sweden	Anders Ynnerman	yes		
Switzerland	Christoph Grab	yes	Allan Clark, Marie-Christine Sawley	no
Taiwan	Simon Lin	no		
United Kingdom	John Gordon	yes	Steve Lloyd	no
United States	Vicky White	Yes	Bruce Gubbach	no
CERN	Wolfgang von Rüden	yes		
ALICE	Yves Schutz	no	Alberto Masoni	yes
	Federico Carminati	no		
ATLAS	Gilbert Poulard	Yes	Laura Perini	yes
	Dario Barberis	yes		
CMS	Tony Wildish	Yes		
	David Stickland	yes		
LHCb	Eric van Herwijnen	Yes		
	John Harvey	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	no	Oxana Smirnova	yes
Chief Tech. Officer	David Foster	yes		
SC2 Chair	Matthias Kasemann	Yes		
Work Group Tech. Support	David Kelsey, Tony Cass	yes		

DRAFT

Fabrizio Gagliardi apologies for not being capable to attend the meeting because other commitments with the EU projects.

- **Communications:**
  - **the minutes of the previous meeting are approved**
- **2003 meetings**
  - Agreed dates (at the GDB meeting of December 2003):
    6/2 CERN 11-18,
    10/3 Taiwan 9.30
    10/4 CERN 11-18,
    8/5, CERN 11-18

    - **the Taiwan meeting:** some difficulties in the participation, a review of the participation was done. Mirco, Les, Ian, Dave will participate, ALICE, ATLAS, CMS ensured their participation, LHCb will try to send one person. Several Countries (Germany, Italy, UK,US) ensured their participation.
    - The schedule for further meetings (after May) must be finalized (see below) US and UK already proposed to host a meeting

- **Reports from working groups.**

The extent of the WG mandate was discussed, i.e. whether the WG work should be an ongoing process or something that ends up with the reports.
After some discussion it was decided to take a decision on this argument on the basis of the WG reports.

- **WG-1 report, D. Foster**
  See slides attached to the agenda.
  Discussed points:

  % of Data Challenges on LCG
  Manuel Delfino remarked that only ALICE declared 100% of the DC to be performed on LCG . He reminded all the computing power available in Spain for LHC will be trough LCG

  Requirements needing more work: discussion arose about fixing some elements, taking into account the LCG schedule and time necessary for implementation. and, at the same time how to cope with the need to allow for evolution .
  The conclusion was that the current picture presented by WG-1 is a necessary compromise, that takes into account what is effectively available and the LCG schedule and that this is an issue to be further discussed.

DRAFT

Another points concerns the match between the experiments requirement and what service regional centres can actually provide for: storage architecture, the RC infrastructure, the LCG-1 infrastructure. A discussion took place on who should take charge of these arguments: WG-1,Wg-2, new WG ?
Conclusion was to take a decision after the WG-2 report

- **WG-2 V. White.**
  Slides available on the agenda
- This is should not be considered the final report, further work within the WG is still in progress
  Discussed points:
  Support: this term should mean 'support of the basic infrastructure, until July the system will not be a production service
  Implementation schedule: after some discussion the proposed schedule has been approved. Of course the effective dates are submitted to changes on the basis of the actual status of the implementation process. The basic idea is to guarantee stability and to avoid adding new centres if the current system is not running properly yet.
  Storage at Tier-2: a Tier-2 centre having not enough storage capacity with respect to its production capacity must take an agreement with a Tier-1 that will performed the storage service for the Tier-2
  Recommendation for System Architecture task force: it has been agreed this is a critical issue, it will be Ian Bird responsibility
  Service allocation: the discussion recognized this should be an extension of the GLUE work, it was agreed to give Ian the mandate of contacting the GLUE people to ask them to take charge of this
  Resources allocation: it has been agreed that due to the peculiar structure of the Data Challenge is necessary to set up a global coordination. This should also meet the view of several countries (e.g. Spain) where the mechanism of resources allocation to individual LHC experiments is changing towards a more global view .
  The mechanism should be:
  DC programs are endorsed by LHCC,
  a small working group (with 4 exp. Repr. + 1 coordinator) prepares a possible resources match on the basis of the experiments DC plans and of the resources declared available, the document should then be submitted to GDB for approval. Les will find a person who should act as coordinator.

WG-5 K.P. Mickel
Slides available on the agenda

WG-4 F. Ruggieri
Slides available on the agenda

DRAFT

WG-3 D. Kelsey
Slides available on the agenda
Not the final report
It is agreed that there will be an iteration and a new version of the document (that will take into account the points discussed at the meeting) within 20 days

Actions from the GDB Meeting

Action	*Responsible*
The four WGs must issue final versions of their documents, two weeks to be finally approved by email	WG chairs/ secretaries
Proposal for the data storage and access model for LCG-1 – to be produced by end of March, following discussion with the appropriate experts, and including allocation of responsibilities for implementation.	David Foster
Produce a description of the system architecture of LCG-1, including a model of the job execution services.	Ian Bird
Produce a statement of the scope and mandate of the LCG Operations Team, and identify the team members.	Ian Bird
Appoint a leader for an LCG Security Team, as recommended by WG3.	Les Robertson
Appoint a grid resource coordinator to negotiate planning of data challenges and regional centre capacity.	Les Robertson
Follow-on to Working Groups WG1 – Grid Technology Area Manager to propose and plan evolution of the middleware toolkit for LCG-1, in consultation with the GAG and STAG. – Evolution of the information schema to be driven by JTB/GLUE WG2, WG4 – Operations Team WG3 – Security Team in collaboration with the Operations Team	 David Foster Ian Bird, Ruth Pordes Ian Bird Dave Kelsey proposed
Develop the WBSs of the Technology and Deployment areas to take account of the recommendations of the working groups, for presentation at the March GDB.	Ian Bird, David Foster

- **2003 meetings:**

  In addition to the already scheduled meetings the following dates are proposed

- 10/6
- 8/7 (RAL)
- 9/9
- 9/10 (Chicago connected to GGF)
- 10/11
- 2/12