

Memorandum of Understanding

for Collaboration in the Deployment and Exploitation
of the Worldwide LHC Computing Grid

presented to
the Computing Resources Review Board
18th October 2005

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Position after April 2005 C-RRB

- C-RRB was in agreement with the draft MoU, subject to the addition of the detailed material in the Annexes and two points of formulation:
 - The need to distinguish clearly between the Collaboration that is the subject of this MoU and the LCG Project (a CERN activity).
 - The need for a mechanism to regulate publication etc.



The present draft

- The two points of formulation are addressed
 - The subject of the MoU is everywhere referred to as the **Worldwide LHC Computing Grid (WLCG)** Collaboration. The name **LCG Project** is only used in connection with the CERN activity.
 - The Collaboration Board is charged with oversight (via appropriate subcommittees) of publications, presentations and press releases made in the name of the WLCG Collaboration.



Other changes since April

- Article 4.7 refers to a **new Annex 6.6**, which acknowledges the help that some funding agencies are giving towards solving the under-funding of LCG at CERN.
- Article 12.2 (prior agreements) – clarified that only refers to obligations **under this MoU**.
- Article 13.1 (liability exclusions) – now puts **licensing to Members of the LHC Experiments** on the same footing as licensing to the Analysis Facilities (was forgotten).



Annexes

- Keep in mind: **the Annexes** (esp. 2, 4 & 6 on centres, funding agencies and capacity pledges) **are subject to rolling update:**
 - new centres
 - new funding agencies - which then become members of the C-RRB
 - refined capacity plans for the years after 2006



Material added to Annexes since April

- Resource provision now **much** better understood (Annexes 1, 2, 4 and 6)
 - see C. Eck's presentation for totals.
 - 1: -Tier-1 centre list completed
 - 2: -Tier-2 centre list completed.
-Composition of Tier-2 Federations acknowledged
 - 4: -Funding Agency list corrected and completed
 - 6: -Tier-2 capacity plans added.
-All pledged & planned numbers reviewed and updated.
-Where planning numbers for later years are still missing, it is assumed that they will at least equal those of the last year for which numbers are given.
-New 6.6 lists voluntary contributions to Common WLCG Resources at CERN.



Other revisions to the Annexes

- 3: Minimum Service Levels – now defined (3.1 & 3.3) that these will get reviewed by the operational boards of the WLCG Collaboration
- 5: New language in 5.1.7 to regulate publication etc. as already described
- 7: Schedule updated
- 8: Programme of Work refined and updated, particularly with respect to Service Challenge aims



- We now ask the C-RRB to approve the WLCG MoU to be sent out for signature
- If so approved, then the MoU text will be considered as final. Each Funding Agency, after confirmation of the pledge and planning numbers for which it is prepared to sign, will be sent a copy for signature
- While it is recognised that, exceptionally, some delay may be inevitable, all Funding Agencies are naturally encouraged to sign as soon as possible so that the deployment of the Worldwide LHC Computing Grid may proceed on a firm basis with the necessary momentum

