Article 4: The Aims and Organisation of the WLCG Collaboration

4.1 The organizational structure of the WLCG Collaboration as of the date of entry into force of this MoU is described in Annex 5.

4.2 The technical participation of the Institutions is defined in terms of Computing Resource Levels that they pledge to provide to one or more of the LHC Experiments and Service Levels that they pledge to the WLCG Collaboration, having in both cases secured the necessary funding. Institutions may clearly have other resources that they do not pledge in this way. The Institutions shall pledge "Resources" and "Services" separately, specifying all of the parameters relevant to each element (e.g. size, speed, number, effort, as the case may be). As far as possible they shall associate with each element key qualitative measures such as reliability, availability and responsiveness to problems. Tier1 Centres shall also pledge (separately) the consolidated Computing Resource and Service Levels of other Tier Centres (if any), for which the Tier1 has responsibility:

4.2.1 Resources. These shall be pledged separately (as applicable) for Tier 1 services and Tier 2 services (defined in Annex 3)

- Processing capacity (expressed in commonly agreed units).
- Networking. Due to the distributed nature of the WLCG, it is particularly important that each Institution provides appropriate network capacity with which to exchange data with the others. The associated Computing Resource Levels shall include I/O throughput and average availability[1].
- Access to data (capacity and access performance parameters of the various kinds of storage, making clear which figures refer to archival storage).

4.2.2 Services

- Grid software and common applications provision and maintenance. The WLCG Collaboration Board (see Annex 5) shall agree the list of common software to be installed and maintained, updating the list from time to time as may be necessary to match the needs of the Experiments. The LHC Experiments are expected to use as far as possible a common set of software, especially infrastructure software. The WLCG Collaboration shall ensure its Grid compatibility, packaging, distribution and installation as required, as well as the necessary technical feedback.
- Grid Operations Services spanning all or part of the WLCG. These services are described in Annex 3.4. For considerations of

[1] (time running)/(scheduled up-time)