

efficiency, it is vital that they be pledged on a long-term basis and not just from year to year.

- 4.3 The broad decisions on the operating system environments that may be used in connection with the WLCG shall be taken by consensus of the Overview Board described in Annex 5.1. The precise versions and distributions are an operational matter for the management of the WLCG Collaboration. At any given time there will be several alternative environments on offer but the WLCG Collaboration is not obliged to make its software available for arbitrary environments. It is thus important for authors of applications software in the LHC Experiments and in the WLCG Collaboration to avoid narrow dependencies on operating systems or environments.
- 4.4 If, for whatever reason, the Computing Resource Levels pledged by an Institution to a particular LHC Experiment are not being fully used, the Institution concerned shall consult with the managements of the LHC Experiments it supports and with that of the WLCG Collaboration. In such situations it is encouraged to make available some part or all of the Computing Resource Levels in question to one or more of the other LHC Experiments it supports and/or to the WLCG Collaboration management for sharing amongst the LHC Experiments as it sees fit.
- 4.5 Annex 6 shows, for each Institution, the Computing Resource and Service Levels pledged in the next year and planned to be pledged in each of the four subsequent years.
- 4.6 The Institutions, supported by their Funding Agencies, shall make their best efforts to provide the Computing Resource and Service Levels listed in Annex 6.1 to Annex 6.5. In particular, in order to protect the accumulated data and the Grid Operations services, any Institution planning to reduce its pledged storage and/or Grid Operations services shall take the measures necessary to move to other Institutions the affected data (belonging to the WLCG and/or LHC Experiments) of which it has the unique copy (or unique permanent backup copy) and/or Grid Operations services that it has been providing, before closing access to the data and/or provision of the Grid Operations services. Such moving of data and/or Grid Operations services shall be negotiated with the managements of the LHC Experiment(s) concerned and of the WLCG Collaboration.
- 4.7 In addition, Annex 6.6 shows the resources that Funding Agencies have volunteered to pledge in order to help with LCG deployment at CERN.
- 4.8 It is a fundamental principle of the WLCG Collaboration that each Institution shall be responsible for ensuring the funding required to provide its pledged Computing Resource and Service Levels, including storage, manpower and other resources. The funding thus provided will naturally be recognised as a