

WLCG policy on *pilot jobs* submitting work on behalf of third parties

The topic of pilot jobs has been discussed several times in the GDB, and in particular at the last two meetings. At the October meeting it was agreed to make a proposal to the MB to adopt a policy requiring that sites support pilot jobs submitting work on behalf of third parties.

A [summary note](#) was prepared by J.Gordon (17/10/07) and presented to the MB on 23 October. This identified a number of issues and made recommendations for a pilot job policy. After discussion the following policy was agreed:

WLCG sites must allow job submission by the LHC VOs using *pilot jobs* that submit work on behalf of other users. It is mandatory to change the job identity to that of the real user to avoid the security exposure of a job submitted by one user running under the credentials of the pilot job user.

Implementation of this policy is subject to the following pre-requisites:

1. The identity change and sub-job management must be executed by a commonly agreed mechanism that has been reviewed by a recognized group of security experts. At present the only candidate is *glexec*, and a positive review by the EGEE security team would be sufficient.
2. All experiments wishing to use this service must publish a description of the distributed parts of their pilot job frameworks. A positive recommendation on the security aspects of the framework by the JSPG to the MB is required.
3. *glexec* testing: *glexec* must be tested with the commonly used batch systems (BQS, PBS, PBS pro, Condor, LSF, SGE).
4. *LCAS/LCMAPS*: the server version of *LCAS/LCMAPS* must be completed, certified and deployed.

This policy should be incorporated in the *Grid Multi-User Pilot Jobs Policy* document, currently in draft form.