Contribution ID: **172**   Type: **oral presentation**

Grid Deployment Experiences: The interoperations activity between OSG and LCG.

Tuesday 14 February 2006 14:40 (20 minutes)

Open Science Grid (OSG) and LHC Computing Grid (LCG) are two grid infrastructures
that were built independently on top of a Virtual Data Toolkit (VDT) core. Due to the
demands of the LHC Virtual Organizations (VOs), it has become necessary to ensure
that these grids interoperate so that the experiments can seamlessly use them as one
resource. This paper describes the work that was necessary to achieve
interoperability and the challenges that were faced. Problems overcome and solutions
are discussed along with a recommendation on what are the critical components
required for retaining interoperabilty. The current state of the interoperations
actively is described, an outline for the future direction.

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Session Classification: Grid Middleware and e-Infrastructure Operation

Track Classification: Grid middleware and e-Infrastructure operation