

## SA2 – NETWORK RESOURCE PROVISION

The Enabling Grids for E-science (EGEE) project needs access to the appropriate networking services provided by GÉANT and the National Research and Education Networks across Europe to succeed.

The relationship between the project and the network providers is managed by a Network Resource Provision team, via a formal body called the Technical Network Liaison Committee which was officially set-up in June 2004.

To date, this activity has compiled a document containing a comprehensive view of network services in GÉANT and European National Research and Education Networks (NRENS), with the help of TERENA, which includes a detailed report about the implementation of network services. The operational interface was drafted and then discussed at the Second EGEE Conference in November 2004. The updated version defines the major tasks and outlines the main issues and solutions to them.

Operational interface components have been proposed, including Trouble Ticket management workflow, EGEE Network Operations Centre (ENOC) and Grid Sites Network Information database. A document with EGEE requirements has also been compiled focusing mainly on two areas: Bandwidth Allocation and Quality of Service (QoS), and Network Performance Monitoring. These requirements are included in the general EGEE requirements database.

A document on terms and definitions used for Service Level Requirement (SLR) formulation has been prepared, discussed with EGEE members and published. A study of service classes currently available in GÉANT was also produced. It proposes new service classes, suitable for serving the SLRs of EGEE applications.

The SA2 activity has also proposed an initial model for the network services usage and defined the SLAs and their processing in the context of end-to-end SLA between EGEE sites. A Network Service Provisioning model has been designed by SA2 in conjunction with the JRA4 and JRA1 activities.

The model and the associated procedures for a network operational interface have been approved by EGEE, GÉANT and the NRENS; until the end of the project SA2 will dedicate time, in conjunction with SA1, to validate the operational model in order to have a mature network operational interface.

### Team Contact

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### SA2 Webpages:

<http://egee-sa2.web.cern.ch/egee-sa2/>