



Enabling Grids for E-science

SA2's answer to the recommendation and future work plan

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#39. “Continue to monitor the need for Service Level Agreements.”

- **Real experiment with application**
 - GRIDCC - Grid enabled Remote Instrumentation with Distributed Control and Computation - FP6 project
 - Real time application → performance & reliability
 - Requires stringent levels of QoS
 - First candidate for SLA adoption
 - Experiment has highlighted precise needs and the way they can be addressed

- **More stability and better performance in PIP** (Premium-IP) measurements than non-PIP
- **More NRENs should support PIP service so that e2e path becomes PIP compliant**
 - better performance will be achieved than what it is now
- **Automatic PIP request can be achieved via the AMPS** (Advanced Multi-domain Provisioning System) **tool installed in all domains**
- **SLA installation procedure should also become more automatic**

- **TNLC**
 - provide MSA2.4 "Assessment of the TNLC"
- **LHC-OPN and LCG relationships**
 - define and implement operational procedures
- **ENOC**
 - study strong monitoring enhancement
 - better integration of network problems into operational procedures
- **Trouble Ticket exchange standard**
 - key task to be continued
 - terminate the well advanced model
 - continue the implementation
- **IPv6**
 - initiate DPM-LFC tests on the testbed
- **SLA**
 - Provide DSA2.2 "Assessment of the network SLAs in EGEE-II" - will include GRIDCC experiment results

Dissemination

- Advertise to people what the network can offer
 - EGEE'07 session “What the network can do for you” for instance

Future Work Plan

- **Confirm interest from**
 - **Interactive European Grid Project** related to advanced network services
 - Interactive: because researchers need answers in seconds, not in hours
 - **Argugrid – FP6 European Project:** aims at the development of an agent based approach for the interactive configuration and orchestration of resources and services in distributed environments

Network advanced services (PIP) can guarantee this interactiveness through SLAs

- **Attendance of EGEE user forum in February to detect further alike applications interested in SLAs**