



Wednesday, Day 2
Technical working group

Co-chairs

Gigi Karmous-Edwards

Erik-Jan (for Lars Fisher)



Today's Agenda

- 09:00 - 09:30 GLIF Tech WG task forces - administrative issues *Gigi Karmous-Edwards (NCSU)*
- 09:30 - 10:00 Campus Networking Task Force update - *Survey results - Ronald van der Pol (SARA) - Lightpath issues between NREN and campus network - Kwangjong Cho (KISTI) - Discussion about the future of the task force*
- 10:00 - 10:30 Distributed Topology Exchange Task Force update *Jeroen van der Ham (UvA)*
- 10:30 - 11:00 Break
- 11:00 – 11:10 *Egyptian NREN and GLORIAD - Majid M. Al Sadek (ENSTInet)*
- 11:10 - 11:30 Dynamic GOLE Services Task Force update *Jerry Sobieski (NORDUnet)*
- 11:30 - 12:00 Deployment of NSI 1.0 in the network *Inder Monga (ESnet)*
- 12:00 - 12:15 Potential new technical task forces - discussion *Erik-Jan Bos, Jerry Sobieski (NORDUnet)*
- 12:15 - 12:30 Tech WG closing summary *Gigi Karmous-Edwards (NCSU)*



Administrative Issues

Co-chairs:

Lars Fisher and

Preferable Qualifications:

- Research background
- Non-European
- Active in GLIF problem space
- Willing to dedicate time
- Able to work in a sub-servant role



Current Task Forces

Current GLIF Tech TFs and their chairs:

- Dynamic GOLE Services: Jerry Sobieski
- Campus Networking Task Force: Ronald van der Pol
- Distributed Topology Exchange Task Force: Jeroen van der Ham
- Next Gen GOLE Architecture: Eric Bernier (Dormant)



Possible New Task Forces

- E2E service architecture verification - Jerry Sobieski (NORDUnet)
 - We need to develop an E2E service architecture
 - Must coordinate closely with NSI working group
 - Policy will be the most difficult aspect of the service to verify
 - Agreed to plan for a new task force if accepted by the community in Rio
- Showcase: Troubleshooting connectivity problems with 802.1ag by end-users - Ronald van der Pol (SARA)



Possible New Task Forces

- GOLE Governance Task Force discussion - Bill St. Arnaud (SURFnet)
 - Agreed to update Open Light Exchange Whitepaper on GLIF web site to include discussions from yesterday
 - Bill will work on creating a problem statement on what this potential task force needs to solve
 - Create a GLIF Architecture Task Force
 - Develop an architecture document describing : Technology, Infrastructure, and Policy of today's and tomorrow's GLIF



E2E Provisioning Workshop

- Terena E2E provisioning workshop series - Peter Szegedi (TERENA)
 - Interesting insights from three E2E workshops
 - Several other workshops are taking place at different locations around the world – Peter would like to bring many of these participants for one large workshop as possibly part of GLIF...



NSI Timeline from Hong Kong

- **NSI implementation and demonstration** - open discussion,
 - **Rough Time Lines and GOALs for NSI Implementation**
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- **9/13/2011 GLIF RIO deliverables**
 - Service architecture document – Dynamic GOLE TF
 - NSI implementation of the following calls from RA to PA for services for connection between A to B:
 - 1)reserve, 2) provision, 3) query, 4) cancel
 - Dynamic GOLE TF will have an end-to-end service architecture document.
 - May have a real usecase for the demo with CESnet (video) , etc.



NSI Timeline from Hong Kong

11/12/2011 SC 2011

- Add the following services to the demonstration:
 - Focus only on Ethernet VLAN services
 - End-to-end independent verification
- Postpartum on development of SC 2012 demonstration.

03/30/2012 Final OGF Specification completed

06/30/2012 NSI end-to-end services code complete

- massive beta testing



NSI Timeline from Hong Kong

******End of 2012 Service******

Features ready for use by the community requesting a path from A to B :

- **Ethernet VLAN services**
- **Policing**
- **Performance**
- **Scheduling**
- **Independent end-to-end data plane checking**
- **Fully automated authorization**



Thank You!
Safe travels back home!

Gigi Karmous-Edwards
Erik-Jan Bos (for Lars Fisher)