



Global Lambda Integrated Facility Technical & Control  
Plane Working Groups Joint Session, 8 February 2006  
University of New Mexico, Albuquerque, United States

**Attendees**

<u>Name</u>	<u>Organisation</u>	<u>Country</u>
Pieter de Boer	SARA	The Netherlands
Erik-Jan Bos (Co-Chair)	SURFnet	The Netherlands
Matt Crawford	Fermilab	United States
Lars Fischer	NORDUnet	-
Licia Florio	TERENA	-
John Graham	UKLight	United Kingdom
Jeroen van der Ham	University of Amsterdam	The Netherlands
René Hatem (Co-Chair)	CANARIE	Canada
Gigi Karmous-Edwards (Co-Chair)	MCNC	United States
Akira Kato	WIDE Project	Japan
Dongkyun Kim	KISTI	South Korea
Jonguk Kong	KISTI	South Korea
Joonbok Lee	KAIST	South Korea
Jun Matsukata	NII	Japan
Kevin Meynell	TERENA	-
Alfred Neumann	Mid-Atlantic Crossroads	United States
James Pepin	University of Southern California	United States
Ana Preston	Internet2	United States
Mark Prior	AARnet	Australia
Dave Reese	CENIC	United States
Bob Riddle	Internet2	United States
Paul Roberts	University of Houston	United States
Paul Schopis	OARnet/TFN	United States
Rick Summerhill	Internet2	United States
Christian Todorov	Internet2	United States
Andree Toonk	SARA	The Netherlands
Alan Verlo	StarLight/TransLight	United States
Arien Vijn	Amsterdam Internet Exchange	The Netherlands
Rod Wilson	Nortel	Canada
Linda Winkler	Argonne National Labs	United States
Yang Xia	Caltech	United States
Matt Zekauskas	Internet2	United States

**1. Welcome**

Erik-Jan welcomed everyone to the meeting and introduced René Hatem and Gigi Karmous-Edwards as the co-chairs of the session. He recounted what had been discussed at the previous meeting in San Diego, and outlined what areas would be covered in the separate sessions for the Technical and Control Plane Working Groups (see <http://www.glif.is/meetings/2006/winter/joint-session/bos-intro.pdf>). The main aim of the joint session was to review the Frequently Asked Questions document and GLIF terminology. In addition, they would review the GOLE resource information with a view to updating it, and suggesting improvements.

## 2. Actions from last meeting

- 20050930-1 Kevin Meynell to make clearer on GLIF website, how to subscribe to mailing lists.  
- Done.
- 20050930-2 Licia Florio to collect terms and definitions for glossary.  
- Done.
- 20050930-3 Kevin Meynell to list GLIF resources on GLIF website.  
- Done.
- 20050930-4 Kevin Meynell to set-up mailing list for repository sub-working group.  
- Done.
- 20050930-5 Technical and Control Plane Working Group Chairs to investigate suitable dates and venues for interim meetings.  
- Done.

## 3. GLIF FAQ and Mini-Glossary

René presented the GLIF FAQ and Mini-Glossary (see <http://www.glif.is/meetings/2006/winter/joint-session/hatem-faq.pdf>) which aimed to answer some of the common questions about GLIF, and to define a standard nomenclature for network resources. A variety of interchangeable terms were in use within the optical networking community which caused confusion, so it was important to agree on a uniform way of describing things. This was particularly important for GOLEs, as these were central to the establishment of a worldwide integrated optical facility.

There were no objections raised to the nomenclature defined in the Mini-Glossary.

## 4. GLIF Repository

René went on to present the GOLE information that had been compiled since the previous meeting (see <http://www.glif.is/resources/>). It had been agreed in San Diego, that available GLIF network resources should be documented on the GLIF website, along with up-to-date contact information. So far, information had been collected for nine GOLEs, but there were still a few other GOLEs that had not yet provided their details.

At the present time, this information was collected and updated manually, but it was recognised that as existing networks grew and others appeared, it would be increasingly difficult to keep this synchronised. The Control Plane Working Group would therefore investigate how to automate this process using semantic web techniques.

Gigi asked whether it was useful for the repository to include vendor information, as in principle, they should all implement the same technologies in the same fashion. In addition, she thought the repository should include service definition information.

ACTION 20060208-1: GLIF Secretariat to add service definitions to GOLE information.

Giga also asked whether the GOLE diagrams were mainly for the benefit of operators or for PR. René replied they were intended to give a simplified visual overview to operators and users, although they were currently limited by only providing a view from a single device. It would perhaps be beneficial to try and link the different diagrams, with the possibility of viewing the whole network at different levels.

ACTION 20060208-2: GLIF Secretariat to investigate how to link GOLE diagrams to each other.

John said it was not always clear what the diagrammatical representations meant. For example, a number of intermediate nodes were shown on the CANARIE diagrams. René replied these were regional aggregators that provided transit, but were not actually GOLEs. He agreed that a standard way of representing different network components was needed, and that a legend should be provided.

### **Open Actions**

20060208-1 GLIF Secretariat to add service definitions to GOLE information.

20060208-2 GLIF Secretariat to investigate how to link GOLE diagrams to each other.