



## Document reason and history

- GigaPort project realized early on that "new systems generate new problems" (Gall's Basic Systems Axiom #2)
- Document projected for post-implementation of SURFnet's hybrid network
- Document's first draft sent out for first review by a few co-workers
- Now document version July 12, 2006: Up for peer review in Tokyo GLIF Tech



# **Outline Issue Analysis document**

- Introduction
- Business framework
- Using Lightpath Services
- Providing Lightpath Services
- Developing Lightpath Services
- Literature



## Example (1): End-user awareness

**Area:** Business Framework

**Topic:** End-user awareness

Intro: At this time individual researchers are not always aware of the possibilities of lightpath services, and the IT organisations at the connected institutions are not always aware of the actual needs of the researchers.

### **Questions:**

- How can the provider of lightpath services improve user awareness of the advantages, limitations, and consequences of lightpath services within its network and across other networks?
- How can network organization work with the IT organisations at the connected institutions to increase enduser awareness?



### Example (2): Performance management

**Area:** Providing lightpath services

**Topic:** Performance management

Intro: Monthly and live reporting about the use of the network resources is what all network organizations do. Many tools (like MRTG) and best current practices (like the 5-minute reporting interval) have been developed over the past years. Measuring the use of lightpath services and reporting on this is not understood yet.

### **Questions:**

- How can the actual use of lightpath services be measured? Is it useful to measure frames or octets transported, or is there a need for more sophisticated measurements?
- How can data on the utilisation of lightpath services be used to forecast future growth as an input into the capacity management process?



# Working method proposal

- Identify area
- Analyse area topics
- Formulate open questions in search for answers
- Proposal on two tiered approach:
  - Is the problems space complete? Do we need other areas and/or topics?
  - Find interested people to draft answers, through the Tech Wiki for further harvesting community input and consensus



# Thank you

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http://www.surfnet.nl/
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http://www.gigaport.nl/

http://www.glif.is/

http://www.netherlight.net/