New Task Force Proposal:
Campus Networking Task Force

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Mission of the task force

- **Describe current state of the art (deliverable)**
    - Write BCPs about how to use hybrid networks
    - Describe the end user point of view, campus networking
    - Document several use cases
    - Written by sites that have years of experience with lightpaths
- **Describe end user requirements (deliverable)**
- **Prototyping of new functionality (end user point of view)**
    - Participate in dynamic lightpath demos
    - Investigate possibilities of Next Generation Ethernet, etc
- **Campus network managers group within GLIF**
    - Collaborate with Research and Application Working Group
    - Setup tests and demos between participants
    - Share knowledge, document, etc.
- **Present experiences at GLIF meetings (deliverable)**

Current State of the Art

- How to request a lightpath?
- Getting the data from the lightpath end point to the user
- Routing or switching?
- Security, ACLs, etc.
- Public or private address space?
- Multihoming issues
  - Do you only connect to the lightpath or is the lightpath an additional interface besides campus/internet connectivity?
- How to deal with outages, problems, etc.?
- Investigate technologies useful for end site campuses

End User Requirements

- **Document the needs of end sites**
  - **Focus on network needs (input from RAP)**
- **What do we *really* need?**
  - **Instead of what looks nice on Powerpoint**
  - **Which applications benefit from lightpaths?**
- **Which applications need low jitter?**
- **Which applications need high bandwidth?**
- **Which applications need low packet loss?**
- **Which applications need low latency?**
- **Which applications need several of the above?**

Comments?

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