DCN Operations BOF

22 April, 2008
Internet2 Spring Members Meeting
Topics

• Security
• Relationship to production services
• Troubleshooting
• Capacity Planning
Security

• How do we authorize trusted users and authenticate them?
• How do we control access to the appropriate points on the network?
  • Dave Reese: “How do we know that someone meant to leave a port open to connect to?”
• How far does the trust relationship go within an organization?
Relationship to Production Services?

- How do you experiment with equipment that is also providing production connectivity?
  - Even if one type of device provides control plane separation, not all devices do
Troubleshooting

• NOC-NOC Communications
  • How are circuits identified?
  • How does a NOC communicate outages on DCN equipment?
  • Who does the NOC contact?
  • How do customers inform NOC of anticipated outages to separate anticipated alarms from unanticipated alarms
• What happens when the network is at capacity?
• How far down into customer networks do NOC’s need to reach?
Capacity Planning

• What metrics are tracked and reported on?
• At what point do you say the network is full or needs capacity augmentation?