

GOLE Operators TF

Actually: OXP Capability Attributes

Lars Fischer / Dale Finkelson

GLIF TECH

Miami, 29-30 September 2016

- Presentations at GLIF meetings
- Revised GOLE Operators charter
 - Basic operational requirements specification
 - GOLE Operations Best Practice Guideline
 - Recommendation for advance GOLE services in support especially of evolving traffic engineering needs
 - Understanding new demands arising from the connection of non-R&E entities, especially above-the-networks service providers

- Operators group discussions
- Transformed for *Requirements to Capability Attributes*
 - Descriptive
 - Not prescriptive
- Synthesized into a list of attributes
- Think of it as OXP Metadata

- Categories
 - Facilities
 - Principles of Operation
 - Technology Support
 - Contact

- Interconnecting Fabric
- Transparent Operations
- Cross-connect fees
- Remote Hands?
- Separated A&B Power?
- Backup Power Sources
- Cooling
- Security and Access
- Neutral Carrier Space

- Open for R&E
- Open to All
- Measurements Available
- Privacy Policy published
- PerfSONAR node available
- Policy
- SLA Available

- VLAN Translation
- QinQ
- Dynamic capabilities / NSI
- COS Support
- 100G
- Ethernet
- Other

- Name
- Location
- Contact Details
 - Technical
 - Security
 - Operations
 - Sales

- Capability Attributes v1
 - Agree – possibly w/ revisions
 - Publish!
 - Fill in – all of us
 - Get feedback, think about v2
- Start on other objectives
 - Operations Best Practice WP
 - Have sessions on advanced services
 - Review practices for cloud connectivity



- The GNA Documents
 - GNA Reference Architecture
 - GNA Open Exchange Expectations
 - GNA Operations
 - GNA Network Services
 - GNA AUPs
 - GNA Privacy
- Blueprints, with objectives for GNA implementation

- Not a *definition* of an OXP
- A specification for GNA implementations
 - Expectations for OXPs used for GNA
 - Baseline for what is expected for operability and sustainability
- A subset of (GLIF) OXP attributes

Thank You

Lars Fischer
lars@nordu.net