Global Identifiers Task Force

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Global ID Format Proposal

- <global identifier> ::= <domain part> ":" <local part>
- <domain part> ::= DNS like name identifying the *sourcing organisation*
- <local part> ::=
  - Only alpha-numerics, hyphen (-) and period (.) allowed
  - Underscore character (_) is not an allowed character
  - No blank or space characters are allowed
  - No distinction is made between upper and lower case
  - The local part should start with a letter or a number
- Total length of Global IDs at most 64 characters

Examples of Global IDs

- NETHERLIGHT.NET:2161LE
- NeThErLiGhT.NeT:2161Le
- netherlight.net:2161le
- canarie.ca:KISTI-UNINETT-GLIF-001
- dcn.internet2.edu:6811
- es.net:4005

(first three are the same identifier)

Possible Extension to e.g. URN

- The proposed format can easily be extended to an RFC 2141 like URN naming scheme by prefixing it, e.g.

urn:ogf:netherlight.net:2161le

or

urn:glif:netherlight.net:2161le

Global IDs in Daily Operations

- Global ID should be set at lightpath setup

- Sourcing Organisation picks the name

- Global IDs should be used in planned work announcements and tickets

- Global IDs should be used in correspondence about outages (e.g. tickets, email, etc.)

Next Steps

- Documenting Inter-Domain Correspondence
  - Contact all domains or peers only?
    - Proposal: all domains involved in affected lightpath
  - Who contacts end users?
    - Proposal: The domain where the user connects to
  - When to send or redistribute tickets?
    - (I am not sure if we can set a global policy; some domains may be required by local policies to always send a ticket)

Discussion….