# Minutes NSI-WG conf call 22 Oct 2014

***Attendees:***

Guy R

Hans T

John M

Henrik T

Artur B

Tomohiro K

Chin G

Michal

***Apologies:***

Diederik V

Miroslav Z

Freek D

***Agenda:***

* All to update their progress on NSI documentation
* NURN discussion follow up
* ERO discussion follow up.
* OGF colocation with GEC22 (23-26 Mar 2015, Washington) possible dates: March 25-27?

***Outstanding APs from previous meetings:***

**AP**: John, Kostas, and other NSA implementers need to determine their specific TLS behaviours with respect to provisioning of individual certificates and CA. (done by Kostas)

**AP**: John to update self-signed cert slides based on feedback from previous action.

**Actions from Uppsala:**

**AP1:** John to summarise on whether there is a need to allow an AG to behave differently depending on who it is peering with. Document and send to list for discussion.

**AP2:** John to tidy up NSA description document and submit for public comment.

**AP3**: John/Hans to review the connection traceId and security attribute list proposals and come up with an agreement and update the document.

**AP4**: A document is needed that describes how to create a service definition – this was dropped out of CS document.

**AP5**: John to update NSI extension to NML with the Chin STPiD.

***Minutes:***

***STP-Id implications***

* Freek: Incompatible URN, e.g. something is interpreted as a network ID, while it is not. What happens in such situation? In particular, what type of error to give to a user of a NSA implementaion, so that it is easy to debug for a network operator without knowledge of URNs.
* John: there are two error message options:
  + 1. Unknown STP ID identifier message
  + 2. Create new unknown network ID message.
* Chin/John: more generic solution could be better:
  + Stage one: check if it passes the schema test i.e not parsable
  + Stage two: invalid network id
  + Stage three: full legal STPiD that is found.
* Chin: can combine the stages one and two above.
* John M to write up a proposal for this error message.
* Freek: Consequence of forcing a particular identifier syntax: organizations should add a second URN to resource with existing NURN. (It is not possible to rename a URN, as it is persistent, so the only solution is to add another URN to an existing resource).
* John: some implementations are already compatible and others (eg ESnet) are not compatible. Cut-over day to shift to the new identifier format.

***ERO discussion***

* John: some discussions have been going on about EROs. Users have requested and ERO for inter-domain and also for intra-domain. Currently converging on a set of rules on EROs for underspecified STPs. Internal STPs that are not advertised in the topology need to follow the STP URN format. Domain internal STPiDs do not need to be advertised, client port STPiDs also do not need to be identified in the request. The user is allowed to specify an ingress/egress STP that is not in the topology, but which the RA happens to know about.
* The full set of syntax for the STP must be followed for internal STPs.
* General view is that if internal STPs use characters that are not compliant with NSI STPs, a **full re-mapping to NSI compliant STP is required**.
* Chin: this means that parsing will then allow the STP to be checked for validity.
* Further discussion of EROs on the mailing list, then needs to be documented by John.
* John: Some discussion of requirement for an exclusion list in the ERO. Not clear jet how this would be implemented.
* Chin: Exclusion ERO are useful, but could be a new feature in future…. Suggest that this is picked up again in future for NSI v2.1
* John: can use extensibility features in NSI v2.0 to support this later. This feature can then be described in the NSA features list within the NSA description document.

***Update on status of drafts:***

* **draft-gwdi-nsi-framework-v2-draft10** - update complete, Guy has submitted for publication.
* **draft-gwdrp-nsi-nsa-description-document-v1-draft5** – Progress has been made on this this week. Aiming for end October completion for submission to public comment period.
* **draft-gwdi-nsi-signaling-and-path-finding v2** Chin has made progress, expect this to be completed in the next week.
* **draft-gwdrp-nsi-topology-representation** – some progress this week. The STP-ID text has been written up. John is working on how to add a new Service Definition. Topo description also needs to be written up.
* draft-trompert-gwdi-nsi-aa-v04 – Hans to update. No progress since Sweden
* Three competing topology distribution drafts, progress pending decisions on approach:
  + draft-gwdrp-macauley-document-distribution-service-v1-draft3
  + draft-thostrup-jensen-gwdi-reachabilty-based-topology
  + draft-gwdi-nsi-topology-service

***Actions:***

**AP1:** John to document the ERO discussions and send to the list.

**AP2**: John to write up this error message proposal and send to the list.

Next call: tbc.