# Next steps for NSI

List of OGF documents that are needed. These are complimentary to the NSI CS spec and must NOT require changes to the NSI CS spec.

**NSI documents:**

1. Update and submit the Network Service Framework document. Guy to update and submit to group for review. Guy to complete draft by end of January.
2. Service Definition framework. Normative document. John to document. First draft due?

**NML/NSI documents:**

1. NSI extensions to NML formalization. This will be a normative OGF document. Current version of this document has been written by Jeroen VdH. John has a slide set proposing a set of changes to make this compliant with NSI CS v2.0. Manpower available? Jeroen? John? Freek? This will include the discovery/bootstrapping mechanism and control plane discovery? Should we decouple control plane and data plane representations?
2. Topology distribution mechanism/service. Currently have an overview informational OGF document prepared by Jeroen. We also have a proposal by Nordunet/Surfnet/GÉANT for a topology distribution mechanism. An additional proposal from ESnet for a lookup service based solution. A normative Topology Distribution document is required. A clear set of topology distribution requirements should be prepared as a basis for comparing the relative merits of the competing proposal. Manpower: Chin, John, Henrik, Freek and Diederik.
3. Formalize URN specification. NSI extension to NML covers URNs for STPs. Many additional URNs need to be specified, these include: Topology name, NSA, Protocol version etc. Is this a separate document? Or can it be incorporated into the NSI extensions document? Or as a new normative document. John: ok with separating this from NSI extensions. The next steps will come from the work done in items 1 and 2 above.

**Implementation documents: (John and Inder to lead the NSI implementation team within GLIF)**

1. Define an Ethernet Service schema – informational document. John to prepare first go at schema and pass to group to review. MTU, Capacity, VLAN to be included. Once review is complete manpower for documentation will be assigned.
2. Error handling – best practices. First cut proposal to be prepared by John and Henrik and will be sent to the list for review.
3. AAI – user identity and user roles and policy. Should not require changes to the CS protocol. Should include examples and use cases. Hans to prepare a document summarizing the GLIF implementation as an input to the NSI implementation group.