# NSI Documentation effort

Time line

v2.0 demo in GLIF Chicago

Submission of completed v2.0 spec: end June

Deadline for completed draft: end May

Deadline for compilation of sections: end April

Reviewers:

All authors and co-chairs.

## Connection Service architecture

* Tomohiro

## Connection Service lifecycle

* Guy, Tomohiro
* Connection Service primitives
* Connection Service message handling
* Requesting a Reservation
* Provisioning a Connection
* Releasing the Provisioning state
* Terminating a Connection
* Forced end
* Querying a Connection

## Connection Service state machine

* Tomohiro, Chin and Henrik
* Description of Connection Service state-machine

## Connection Service primitives and attributes

* John M and Guy
* Connection Service primitives
* Common types and attributes
* Message types
* Terminating, Provisioning and Releasing messages and attributes
* Query messages and attributes

## Connection service use of the NSI Topology

* Jeroen and John M.
* Transport and Service plane relationship
* Introduction to concept of STPs
* Requesting a path using STPs
* Under-specified STPs
* Explicit routing using STPs

## Security

* Inder, Henrik and John M.
* Security Requirements
* Message Security
* Authorization
* Failures and exceptions
* Service plane failures
* Transport plane failures

## Appendix A: Best Practices for NSA implementation

* John, Henrik, Chin
* Best practices for Message transport error handling
* Best practices for ACK handling
* Best practices for Guidelines on timeouts
* Best practices for Parallel processing of messages:
* Best practices for NTP server usage

## Appendix B: Service Definitions for Connection Services

* Jerry Sobieski
* Service definitions

## Appendix C: NSI topology

* Jeroen and John M.
* STP, SDP, Networks, NSAs concepts and syntax
* Relationship between NSI topology and NML

## Appendix D: NSI topology best practices

* Chin and Inder
* Best practices for pathfinding using NSI topology
* Best practices for topology exchange

## Appendix E: Information Services

* John M.
* NSI version number query
* Service Definition query