

# **Review of proposed documentation structure for deliverables D3 and D4**

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# Deliverables definitions in the Charter

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**Deliverable 3.** A set of recommendations describing protocols and message specification for the NSI.

- It is expected that the **NSI will be modular in its structure and will include several message sets**. Each message set will be associated with a particular task. For example, different message sets may be used to describe network service requests, network service monitoring, discover network service capabilities etc. **Any given instance of the NSI interface (User-to-Network, Network-to-Network) may implement a subset of the available message sets.**

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**Title:** NSI “User-to-Network” and “Network-to-Network” specification

# Deliverables definitions in the Charter

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**Deliverable 4.** A recommendation detailing protocols and message specifications associated with the “User-to-Network” and “Network-to-Network” interfaces.

- It is expected that in addition to a complete definition of the message sets provided by Deliverable 2, two additional documents will be provided in this deliverable. **These will be reference profiles of NSI, namely the user-to-network instance of NSI and the network-to-network instance of NSI:**
  - **Network Service Interface, User-to-Network specification**
  - **Network Service Interface, Network-to-Network specification**
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# Deliverables definitions in the Charter

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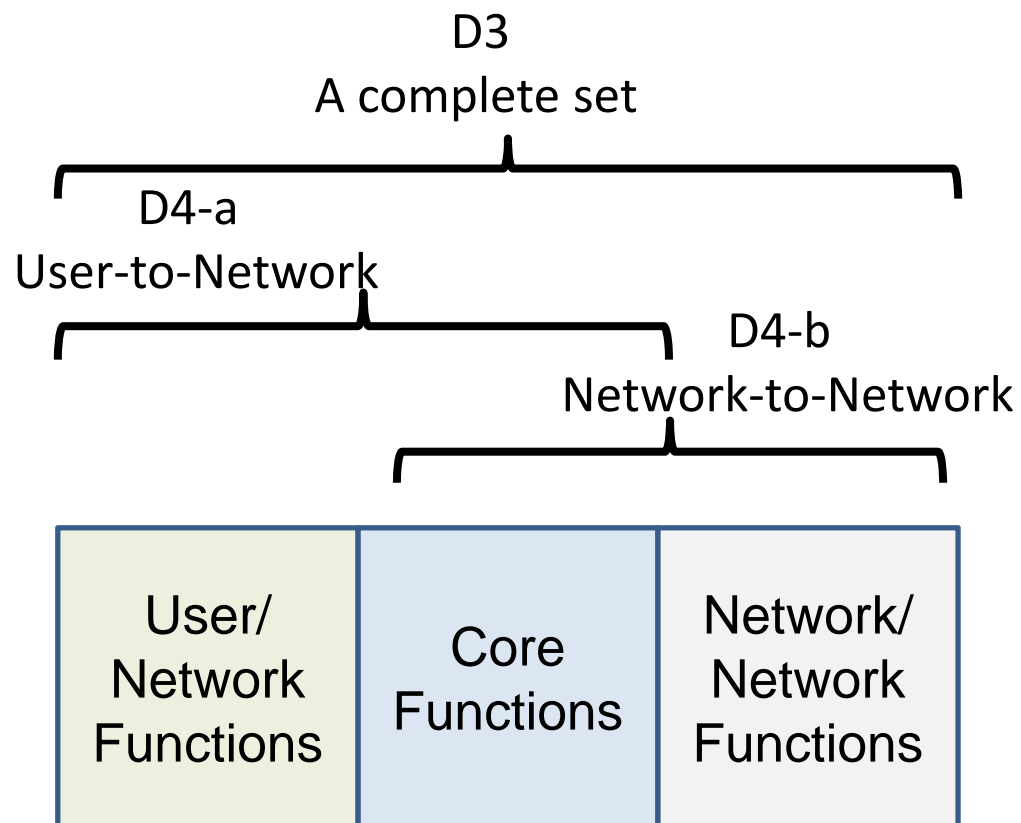
- The first document will be targeting on providing the **information required to deploy** the NSI as a “User-to-Network” interface. Special attention will be paid to **limiting the complexity and length of the document in order to attract large number of users that may not have experience of networking**. This document will consist of only the information exchange and specific messages required for such an interface.
- Similarly the second document will be driven by the information exchange required to provide interoperability between Network Service providers.

# Deliverables definitions in the Charter

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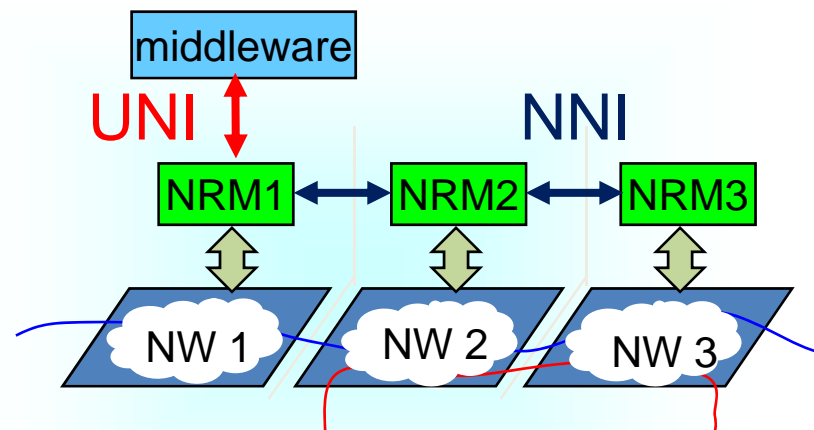
- Both documents will refer to Deliverable 2 for further details regarding the message description. In this way, both instances will have a common message description document and also be easily adapted by different communities.
- Where it is deemed necessary additional reference implementations may be defined as required.

# Proposed document structure in the charter

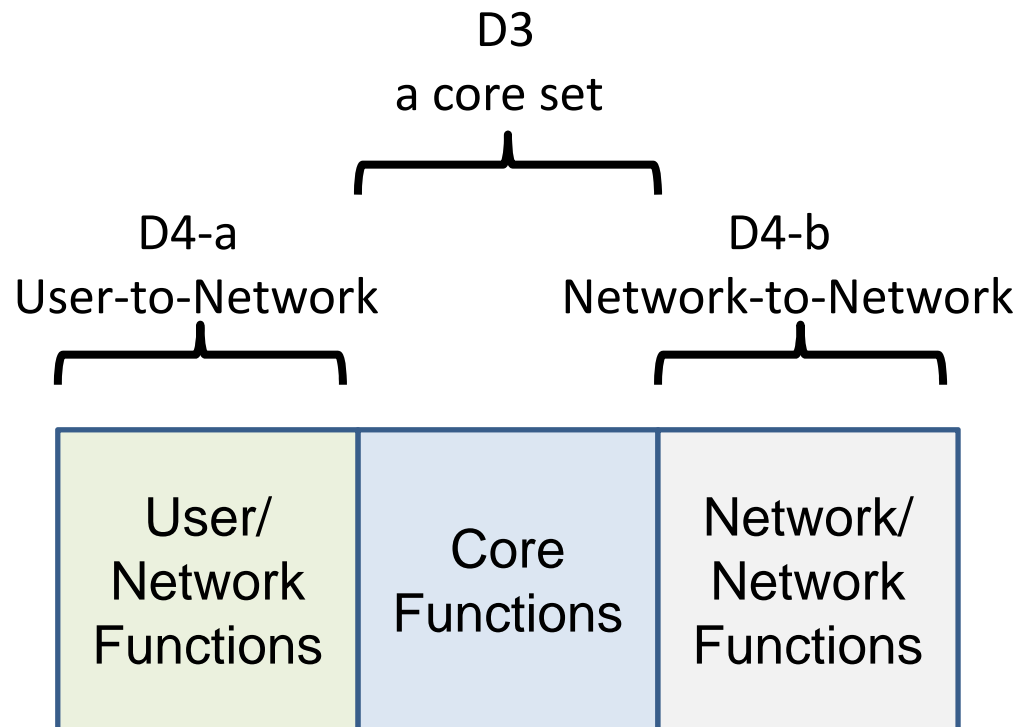


- D3 is **a complete set** of (sets of) message specifications
- D4-a and D4-b are supplemental documents to make deployment of the interface easy

# NSI: UNI and NNI



# An alternative document structure

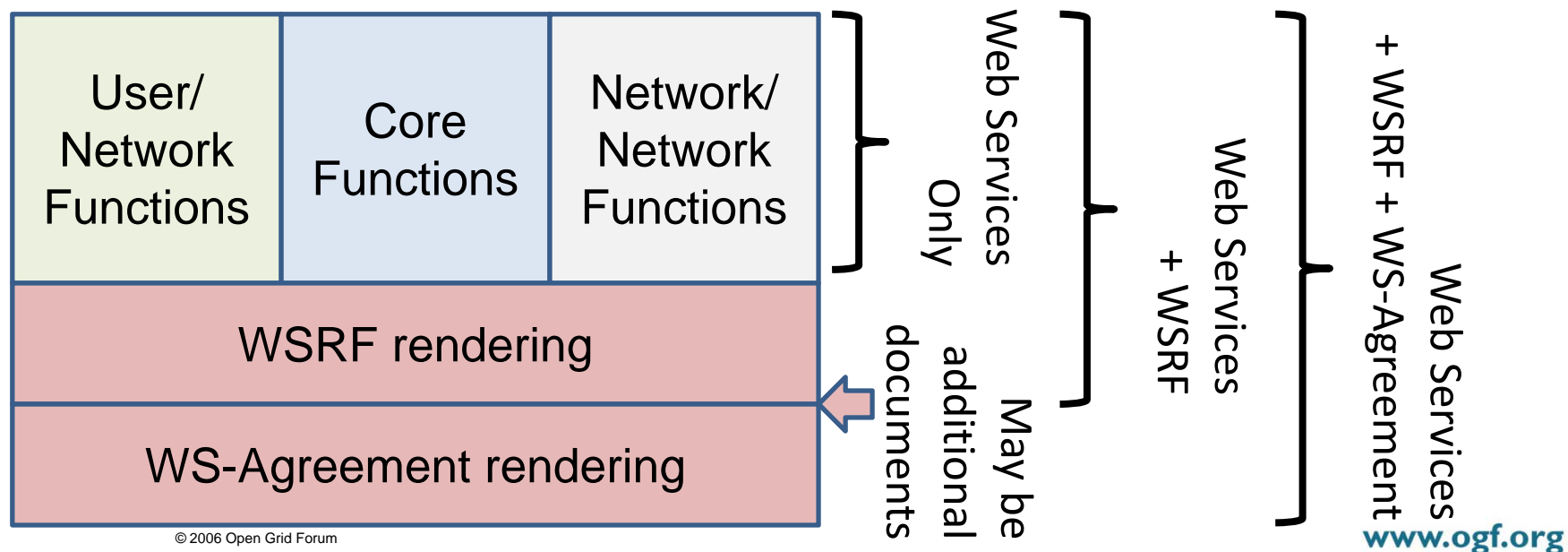


- D3 is a core set of (common) messages
- $UNI = D3 + D4-a$
- $NNI = D3 + D4-b$
- Modular document structure
- Fast release of D3 is possible

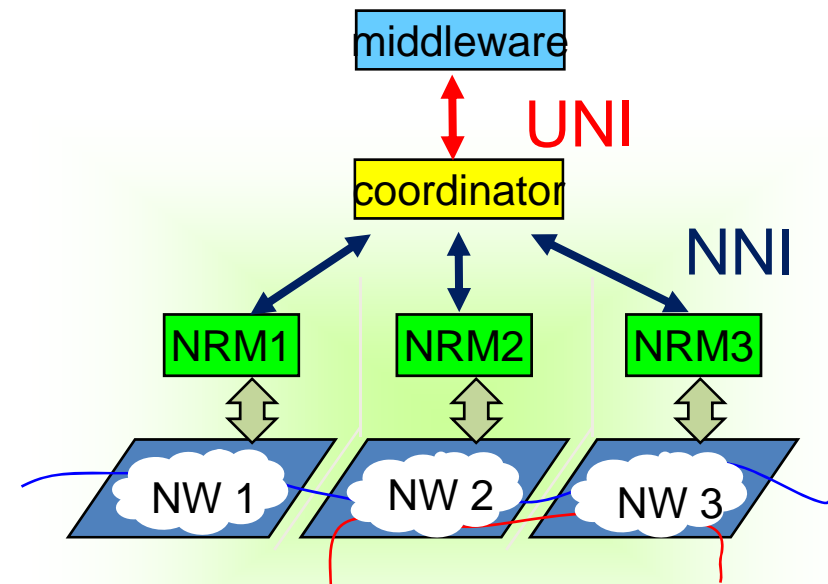
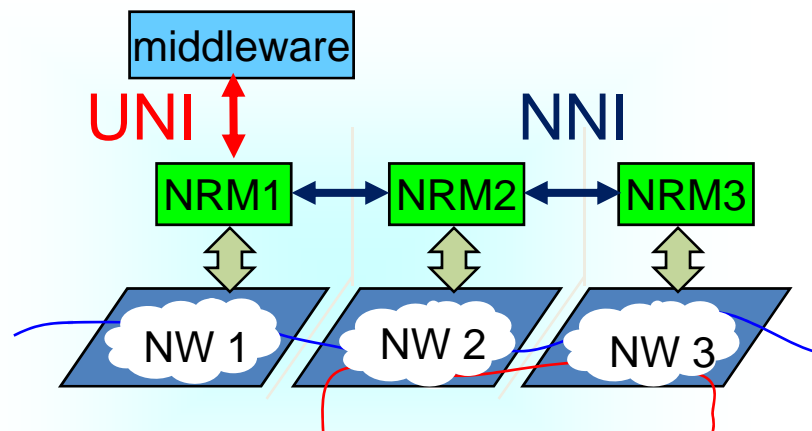


# Additional documents to support other standards

- Allow choice of using standards such as WSRF and WS-Agreement
- Make core documents simple
- Core + Renderings: A scheme used in WGs such as BYTEIO-WG



# NSI: chain model and hierarchical model



# NSI: user's point of view

