November 16, 2026

IETF 127 ONSEN Document Classification

Ian Farrer & Mithun Thai Valaphil (co-chairs)

The session is being recorded

Making the Internet work better

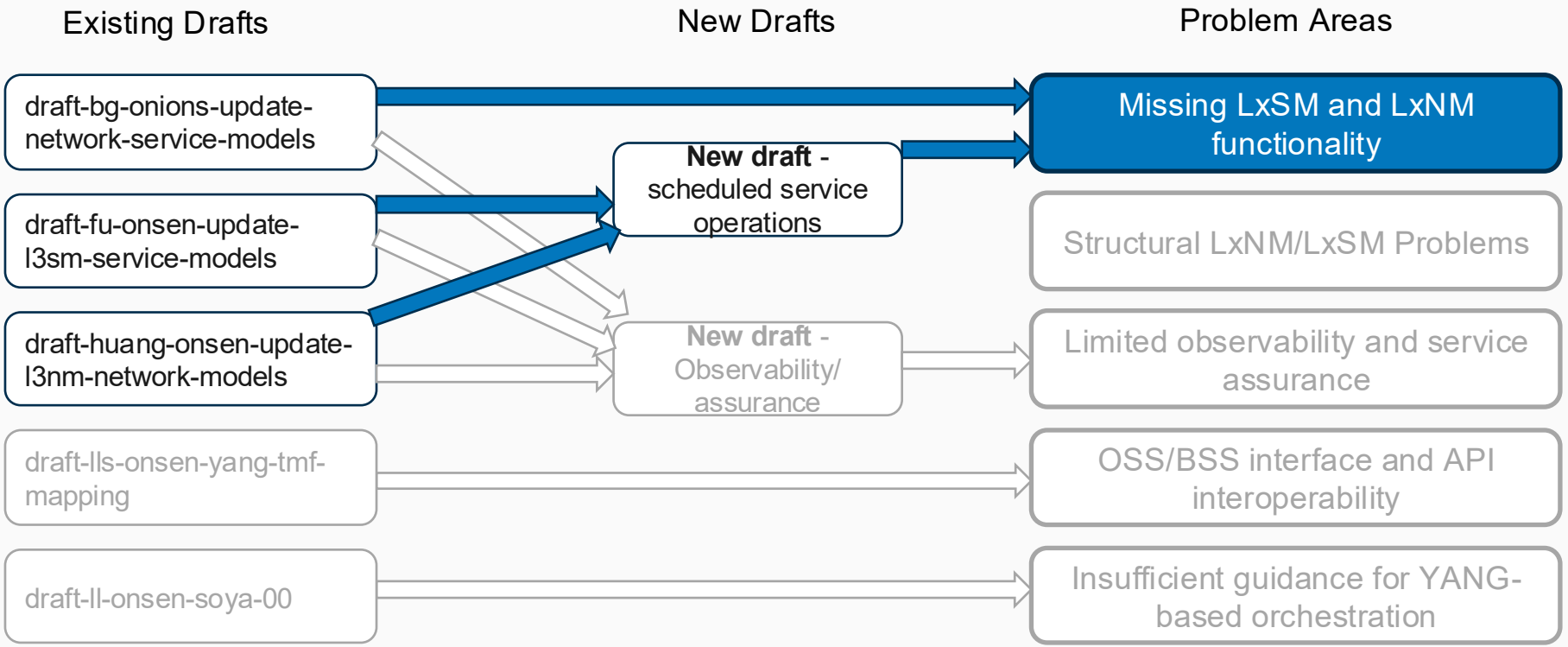
Classification of ONSEN Work

- draft-kbf-onsen-problem-statement-01's scope is to document problems reported with the service and network models as a basis for ONSEN's initial work on solutions

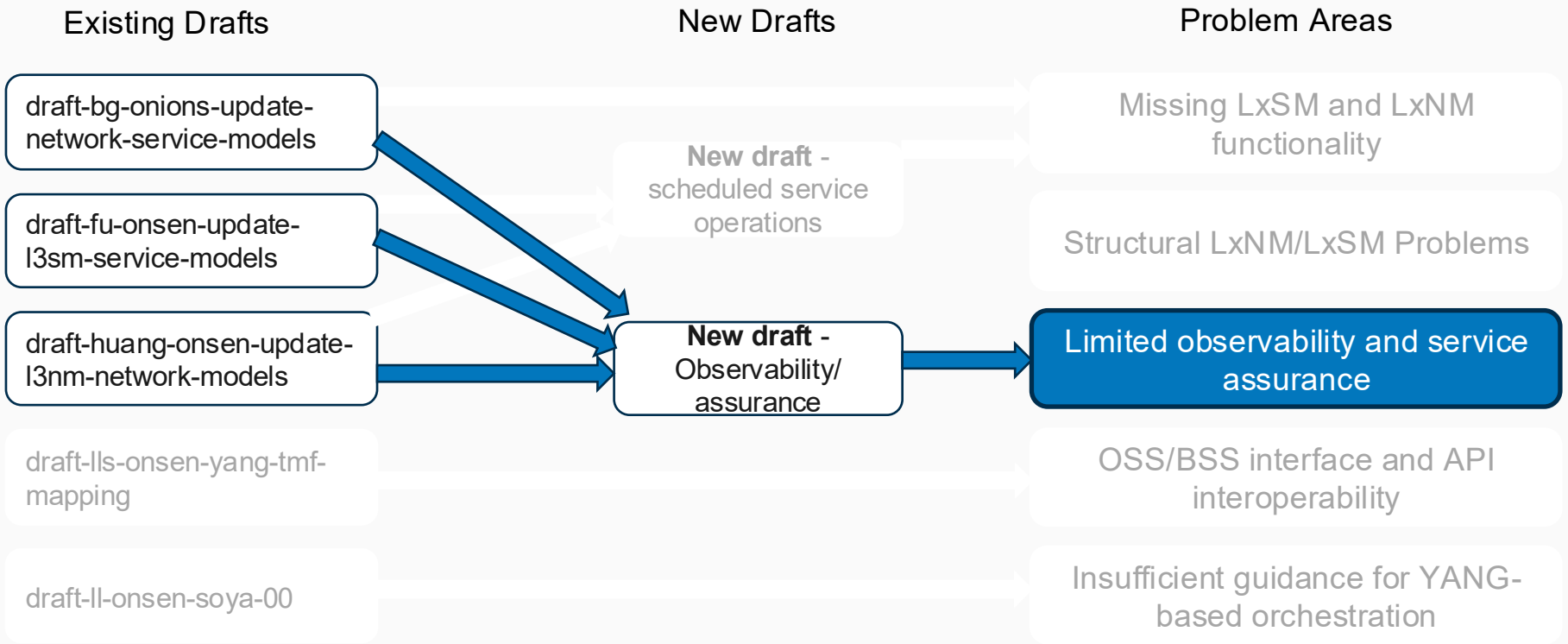
- 5 distinct problem groups have now been identified - the main reasons for these groupings are:
  - To reduce interdependencies so that work on each problem can be started in parallel
  - To keep the overall amount of work manageable
  - Existing work exists in (most) of these areas

- The following slides describe:
  - How the existing ONSEN solution drafts are being mapped to the problem groups
  - Where changes in the scope of exist drafts have been requested
  - Where additional work is needed (i.e., no draft exists)

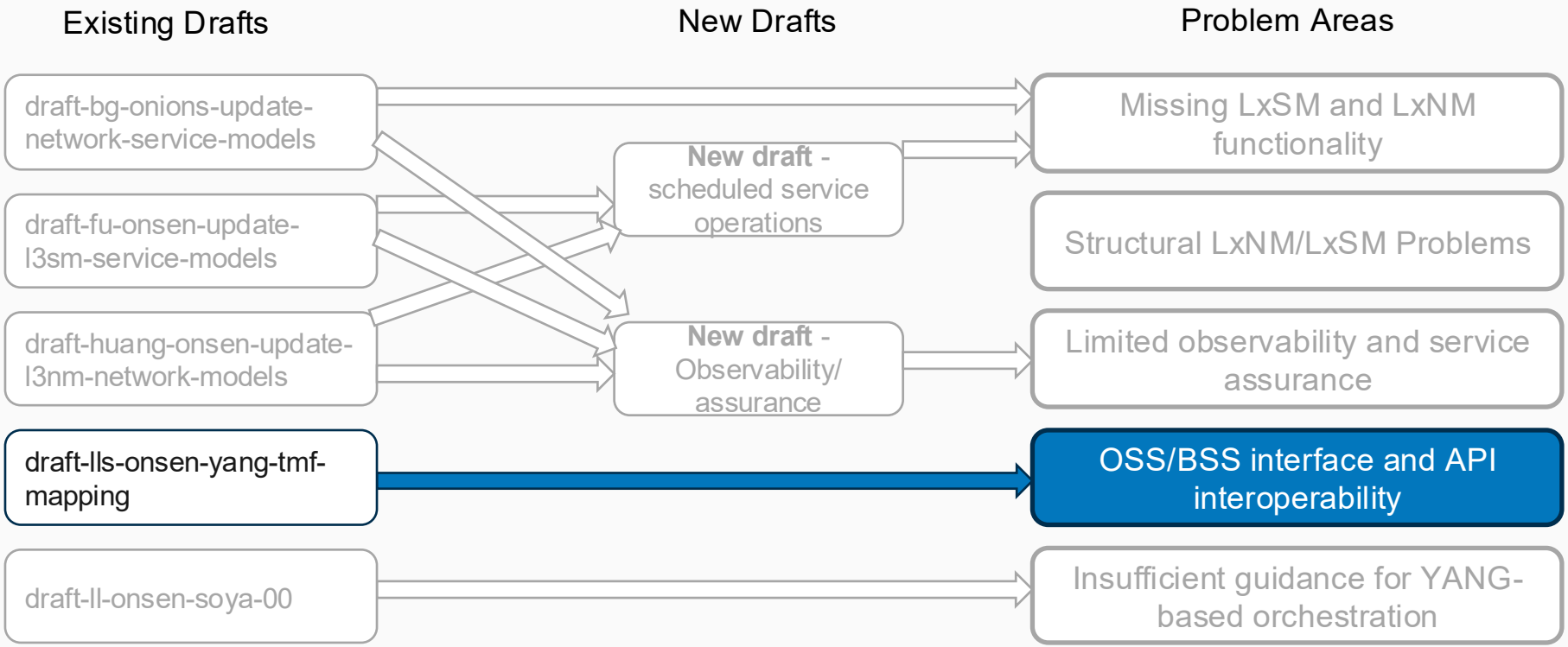
Mapping Existing Drafts to Initial Problem Areas



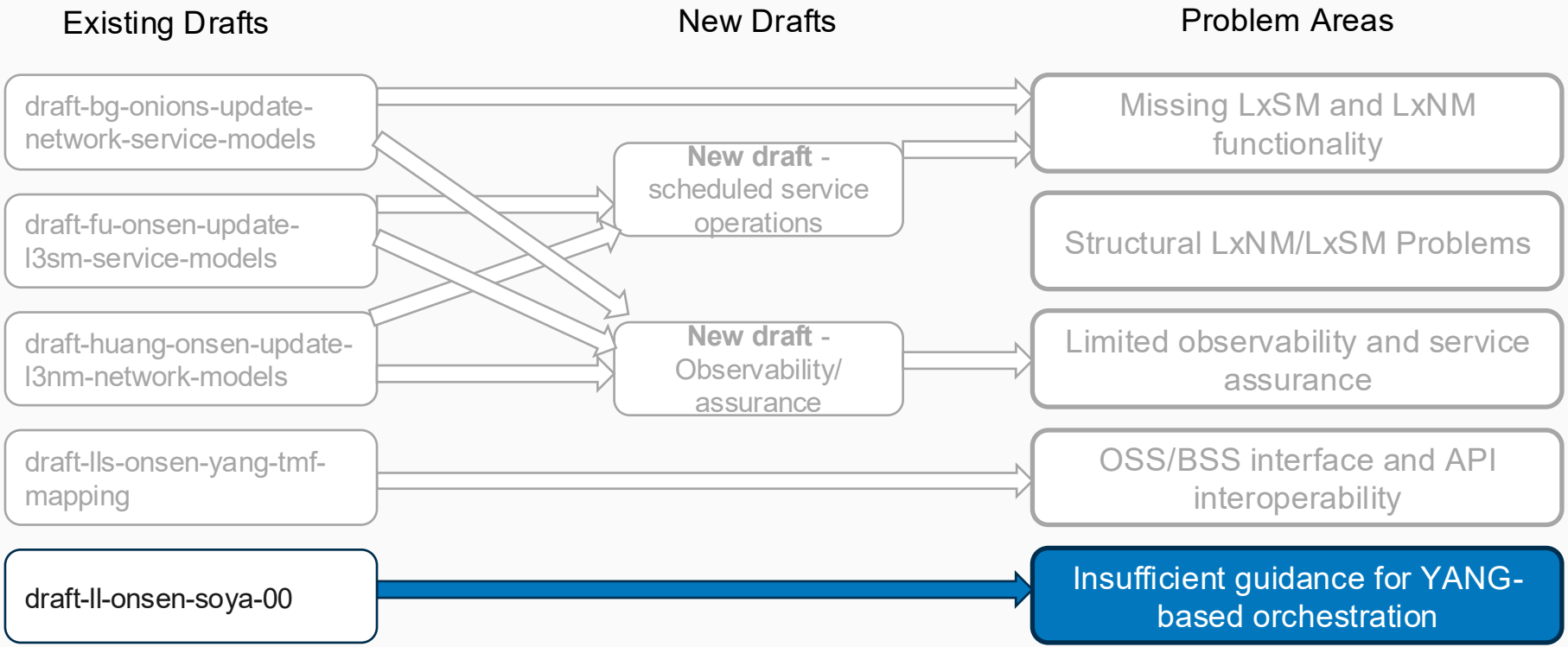
Mapping Existing Drafts to Initial Problem Areas



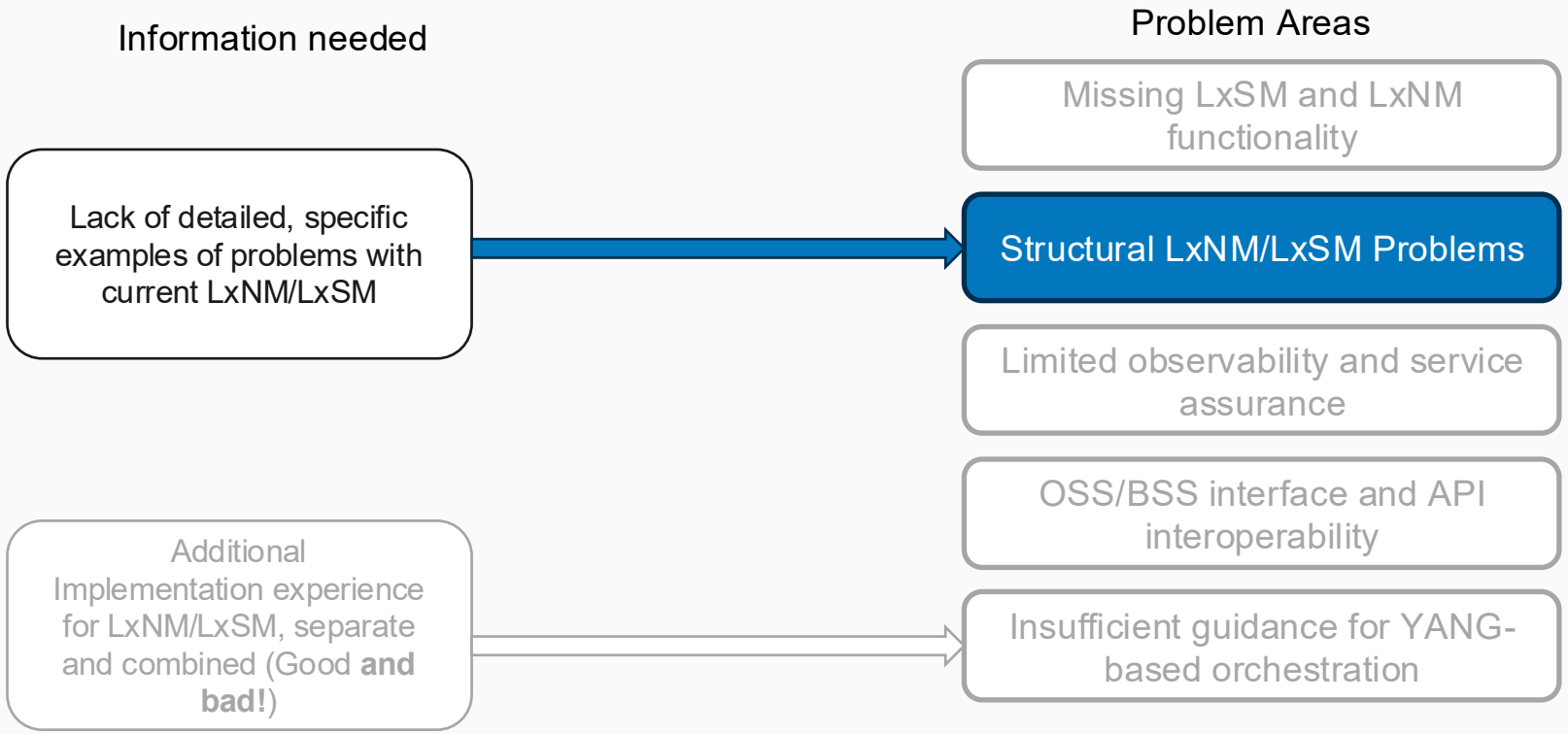
Mapping Existing Drafts to Initial Problem Areas



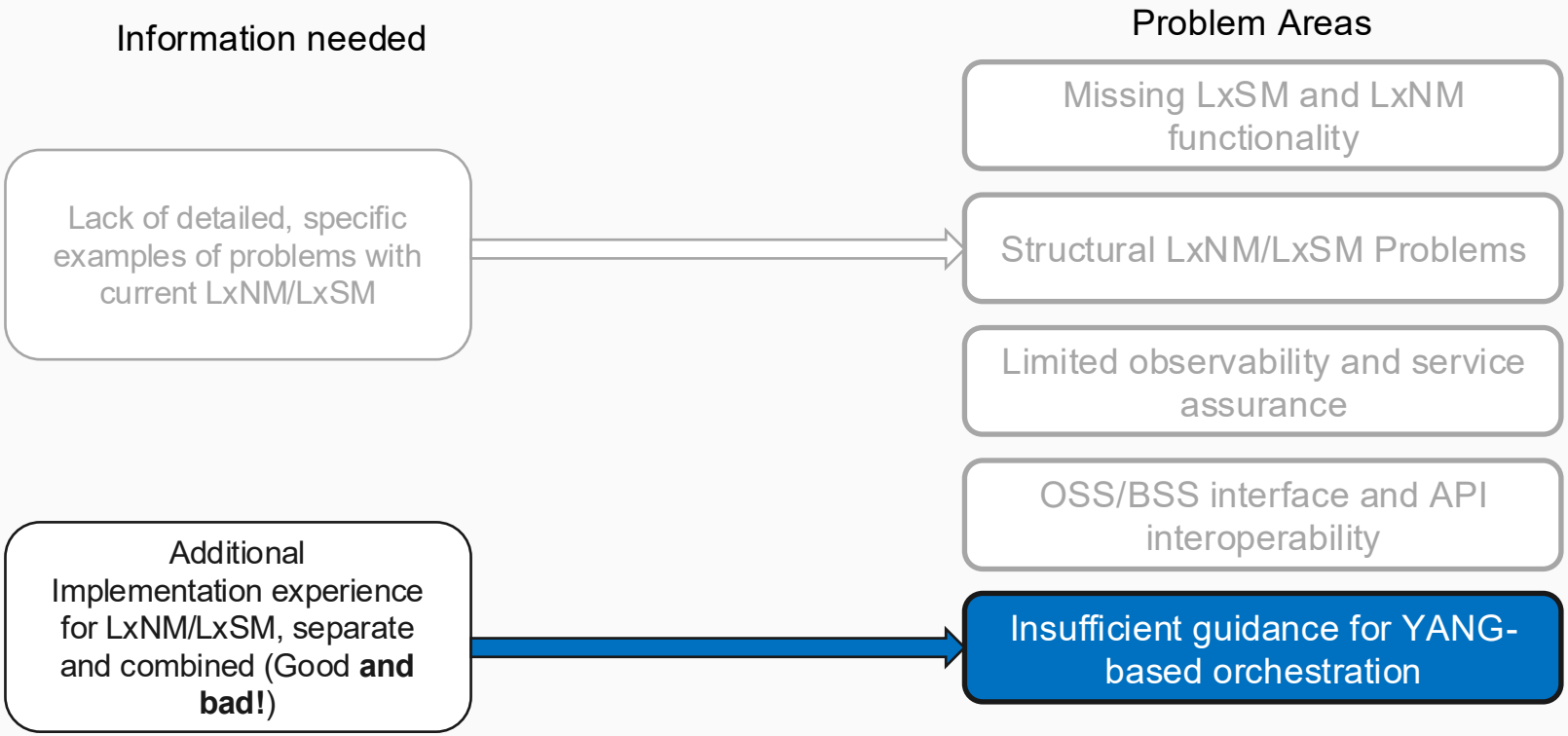
Mapping Existing Drafts to Initial Problem Areas



Areas We Need Additional Information



Areas We Need Additional Information



Solution for Insufficient guidance

Problems arising from the lack of concrete guidance or examples on how to deploy and combine the LxNM and LxSM models in practice.

- A number of RFCs, especially RFC8969, provide guidance on this, however RFC8969 was published in 2021 and problems are still being reported
- Previous documents take a more generalized approach to implementations of LxxM.
- Instead of producing additional generalized guidance we would produce informational documents that describe real experience (good & bad) with implementation of the LxNM/LxSMs in real deployments
- One draft has been submitted in this area:
  - draft-ll-onsen-soya-00
- We would invite additional informational drafts describing your experience here!

Problem Statement - Future Work Items

Section	Item	Relevant draft	Current Status
9.1	Quantum-Security Requirements in Service Models	draft-huang-onsen-update-l3nm-network-models-00 (Section 5.6) draft-fu-onsen-update-l3sm-service-models-03 (Section 6.4)	TBC
9.2	Secure Handling of Secrets in Orchestration Workflows	No known existing draft	TBC
9.3	Generic Abstraction-to-Underlay Mapping	draft-fl-nmop-device-yang-vendor-mapping-00	Active in NMOP - moving to ONSEN
9.5	Absence of Reusable Service Configuration Constructs	draft-tt-netmod-yang-config-templates	Active in NETMOD
9.5	Abstractions for Telco-Cloud Scenarios	draft-lcnc-onsen-telco-cloud-01	Active in ONSEN
Not tracked	Extensions for “QoS”	draft-fu-onsen-update-l3sm-service-models-03 (Section 6.4) draft-huang-onsen-update-l3nm-network-models-00 (Section 5.6)	Should be added to the -02 Problem Statement draft for tracking