

Meeting Time: December 12, 2023, 14:00-15:00 (China Standard Time)

Attendees: Keguang He (China Mobile), Ganesh Narayan (Infosys), Muddasar S Ahmed (Mitre), Louis J. Illuzzi (Linux Foundation)

Meeting Agenda:

1、 Can the requirements of the two 5G SBPs be merged?

Discussion Conclusion: Due to the similar research objectives of these two requirements, it is agreed to merge them.

2、 Discussion on the scope of requirement research:

Discussion Conclusion:

(1) Explored top-down and bottom-up implementation approaches, recommending a top-down approach to orchestrate network functions and build the necessary infrastructure for end-to-end orchestration.

(2) For the Edge implementation, Infosys previously used EMCO in the TM Forum Catalyst project, but since EMCO is no longer an active project under LFN, alternative solutions may be needed.

(3) In the Resource Layer, Nephio can be used as an Intent Manager, with the current R1 version supporting Core Network-related use cases. If Nephio expands to support more use cases (e.g., Edge, RAN), it can be used for additional implementations, and other companies are welcome to provide solutions for different domains.

(4) In the current implementation, focus on achieving end-to-end use cases from Business-Service-Resource based on the core network.

(5) Design mechanisms for the interaction between services and different resource domains, developing a unified interaction model and interface. Future implementations for core network, Edge, and RAN can be based on this unified mechanism.

3、 Recommendations on which LFN projects to use:

Discussion Conclusion:

- (1) Agreement to use ONAP as the Business Intent Manager & Service Intent Manager, and ONAP's New Delhi version will introduce LLM-related solutions.
- (2) Agreement to use Nephio as the Core Network Intent Manager and Edge Intent Manager.

4、 Recommendations for intent models and intent interfaces to use:

- (1) Intent model: Since ONAP has already introduced a general intent model, it is recommended to leverage ONAP's intent model for both the Business and Service layers.
- (2) Intent Interface: Use the intent interfaces defined in TMF921.

5、 Recommended task assignments:

(1) Business Layer:

Intent Management: ONAP UUI module -- China Mobile

(2) Service Layer:

Intent Management: ONAP UUI module -- China Mobile

Service Orchestration: To Be Added

(3) Resource Layer:

RAN Intent Management: To Be Added

RAN Management: To Be Added

RAN Network: To Be Added

Transport Intent Management: To Be Added

Transport Management: To Be Added

Transport Network: To Be Added

Core Intent Management: Nephio -- Infosys, China Mobile

Core Management: To Be Added

Core Network: To Be Added

Edge Application Intent Management: Nephio -- Infosys

Cloud Orchestrator: To Be Added

Edge Resources: To Be Added