

AI for Network Management

Summary of Activities

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NMRG @ IETF 105

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Summary of AI Activities on NM

- Main NMRG session at IETF 100/Singapore
- Good milestone at IETF 104/Prague
- Continued at virtual interim meetings:
 - ↪ Advanced AI, external event consideration, intelligent reasoning, ...
- In parallel, started the “Network AI challenge” project
 - ↪ Different approach
 - ↪ Attracting different communities to AI for NM.

**We need help with datasets and use-cases:
Anybody interested?**

Side Meeting Updates

- Quick overview of activities in ETSI ISG ENI:
 - ↪ Evolution from human-based to AI-based operation.
 - ↪ Several (internal) reference points specified:
 - Knowledge management, context management, cognition management, situational awareness, model-driven engineering, and policy management.
 - ↪ Integration requirements:
 - Normalization and denormalization.
 - ↪ Several PoCs demonstrated, 21 Use Cases in 5 categories, including Infra Mgmt, network operation/assurance/security, Service Orchestration and Mgmt.
 - ↪ Categorization of Network Intelligence: Level 0~5 similar to the concept of automobile self-driving
- Prediction on edge computing for IoT:
 - ↪ TensorFlow used for processing, prediction, and control of hybridation of cloud/edge applied to IoT.
- Discussion on interface and scheme of AI component to network component, model training and collaboration at vendor vs operator side."

- EOF -