



# Technical Community Cooperation: Generic Network Management Activities Area

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# This session

- Introduce the task
- Ways of working
- Learn about ongoing activities
- Solicit ideas and discuss way forward for coordination in the area of network management

# Task

Coordinate all network management activities happening in:

- 3GPP SA5
- ETSI NFV
- ETSI ZSM
- IETF
- Broadband Forum
- MEF
- TM Forum

Drive collaboration with ONAP on key edge open source & standards initiatives

Concrete near-term & long-term recommendations based on above and other inputs to:

- ONAP architecture subcommittee
- ONAP modelling subcommittee
- ONAP use case subcommittee
- ONAP security subcommittee

# Some observations 1 (4)

- ONAP is appealing to cooperate with for all the listed standards entities
- It is a very large area – need to define focus
- There are ongoing collaborations – Thanks Deng Hui and others!
  - I need your help to identify them
- A number of presentations were made at the Joint sub-committee meeting in April:
  - ETSI NFV - Thinh Nguyenphu
  - 3GPP SA5 - Thomas Tovinger & Anatoly Andrianov
  - BBF - Tim Carey
  - MEF - Karthik Sethuraman
  - TM Forum - Ken Dilbeck
  - ETSI ZSM – Klaus Martiny & Uwe Rauschenbach

# Some observations 2 (4)

## Harmonizing Open Source and Standards:

# A Case Study of ONAP

Draft by Jenny Huang (AT&T),  
Lingli Deng (CMCC), and  
Hui Deng (Huawei)

“It is evident that as ONAP matures, with more platform capabilities introduced in each release, standards become increasingly important to ensure an extensible and interoperable ecosystem that the ONAP platform can support.”

“People make the difference: Despite all the processes and governance that are put in place .. .... It is the individuals who invest the time and careful focus that is required to bridge both communities who will make this effort successful.”

“Sometimes a standards effort will also create a reference implementation or snippets of code demonstrating an implementation. ....the standards licensing model might be incompatible with inclusion in an open source project”

# Some observations 3 (4)

## ETSI and the Linux Foundation sign Memorandum of Understanding enabling industry standards and Open Source collaboration

Linux Foundation, the nonprofit organization enabling mass innovation through sustainable open source, signed a Memorandum of Understanding with ETSI, the independent organization providing global standards for ICT services across all sectors of industry, to bring open source and standards closer and foster synergies between them.

Building on the existing working relationship between the two organizations, the formal collaboration agreement will enable faster information-sharing and deployment of open networking technologies across the industry. The formal link between communities of experts will encourage and enable collaborative activities, joint communication, promotion and events, as well as potential common initiatives related to interoperability and conformance testing.

|                           |                                    | ETSI Technical Activities |                         |                         |                         |                         |
|---------------------------|------------------------------------|---------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                           |                                    | <a href="#">ISG ENI</a>   | <a href="#">ISG MEC</a> | <a href="#">ISG NFV</a> | <a href="#">ISG ZSM</a> | <a href="#">OSG OSM</a> |
| Linux Foundation Projects | <a href="#">Acumos</a>             | •                         |                         |                         |                         | •                       |
|                           | <a href="#">Akraino</a>            |                           | •                       |                         |                         | •                       |
|                           | <a href="#">OpenDaylight (ODL)</a> |                           |                         | •                       |                         | •                       |
|                           | <a href="#">ONAP</a>               | •                         |                         | •                       | •                       | •                       |
|                           | <a href="#">OPNFV</a>              |                           |                         | •                       |                         | •                       |
|                           | <a href="#">PND</a>                | •                         |                         |                         |                         |                         |

# Some observations 4 (4)

Proof of Concept

## TM Forum, MEF and ONAP collaborate on Beijing release

By [Dawn Bushaus, Managing Editor, TM Forum](#) June, 2018

### TM Forum ONAP User Group

Community Home

Discussion 17

Library 5

Members 151

This community is to provide a forum where any topic that is an interest to both the ONAP and TM Forum communities can be openly discussed, such as

- TM Forum assets that can be used within ONAP
- Enhancement of TM Forum assets to support ONAP scenarios
- Joint development between TM Forum and ONAP communities

# Ways of Working for Collaboration

- Harmonization will benefit both ONAP and SDOs, but main objective to look for ONAP benefits
  - Use ideas from SDOs.
  - Be standards-compliant
  - Influence standards. Identify work item within SDOs.
- There is no obligation for ONAP to follow standards but:
  - Provide shortcuts to good solutions
  - Will make ONAP adoption easier
  - Lack of standard compliance can be a show stopper
- Focus on a few touchpoints per organization
- Open source is like a rope – you cannot push, only pull
  - Identify champions in ONAP
  - We need help from SDOs to identify and explain suitable well defined artifacts – Liaison persons
  - Individuals with one foot in each camp are valuable