

# Liaison Statements and Updates

- [Incoming Liaison Statements from 3GPP](#)
- [Reply to Liaison Statement from ITU-T](#)

**Response to Liaison Statement from ETSI ZSM, approved by TSC 25th May 2023**



ONAP res...M LS.pdf

**Liaison Statement from ETSI ZSM, received 27th April 2023**



ZSM(23)000073r...s\_network.docx

**ONAP presentation at ITU-T JCA-IMT2020 meeting (18 April 2023, Geneva)**



JCA-IMT2020-I-186-Agenda-r1.pdf



ONAP pres...il 18.pdf

**AN Multi-SDO Information Exchange meeting: ONAP Presentations 9th January 2023**



ONAP pre...an 9.pdf



2023-01-...orum.pdf

**New Liaison Statement from ITU-T Joint Coordination Activity for IMT2020 and Beyond (JCAIMT2020)**



JCA-IMT2...S12.docx

**AN Multi-SDO Information Exchange meeting: ONAP Presentations 7th November 2022**

## Recording

### Last session only

Topic: AN -SDO Information exchange meeting: ONAP Presentations

Date: Nov 7, 2022 01:31 PM London

[https://us02web.zoom.us/rec/share/goMcEYNQwoUYWN\\_E9S1M0xL2DxT8o4AcrkbqZeOOLKhyqd4NDU6jKIR5XRcvluox.W7cMFMRsyrBmhaHP](https://us02web.zoom.us/rec/share/goMcEYNQwoUYWN_E9S1M0xL2DxT8o4AcrkbqZeOOLKhyqd4NDU6jKIR5XRcvluox.W7cMFMRsyrBmhaHP)



ONAP pre...ange.pdf



A Genera...v1.0.pdf



Applicatio...or K8s.pdf

#### **ONAP Mainstream**



ONAP mainstream\_TSC.pdf

**DTF presentation with added comments**



ONAP - the next ...n discussion.pdf

**Presentation from DTF June 15 2022 in Porto**



ONAP - T...ment.pdf

**Incoming LS from 3GPP SA - Reply to ONAP on potential IPR issues**



SP-220712 Reply... IPR issues.doc

**Incoming LS from ITU-T regarding the Focus Group on Testbed Federations. Sent to ONAP for information.**

This Focus Group serves as a platform to harmonize testbeds specifications across SDOs/Fora. The FG-TBFxG is developing the required application program interfaces (APIs) aligned with the Testbeds Federations Reference Model defined in [Recommendation ITU-T Q.4068](#), developed in collaboration with ETSI TC INT. Also, the Focus Group will define a set of use cases for Federated Testbeds and APIs.



TBFxG-LSO-003.pdf



TBFxG-LSO-003-Att1.pdf



TBFxG-LSO-003-Att2.pdf

ONAP TM Forum meeting on Intent-based Management 6 April 2022



ONAP - TM Forum... Automation.pdf



Intent-driven Cl...-TMF Meeting.pdf

**Liaison statement to 3GPP SA regarding IPR issues**

Approved in **TSC 31 March 2022**:

- **#AGREED** the TSC approves the release of the 3GPP liaison statement Version 1 as attached to these minutes, requesting from them on IPR questions



ONAP LS to 3GPP.pdf

**Reply to ONAP's questions received from 3GPP(ETSI) legal**



Reply from 3GPP (ETSI) Legal.pdf

**Presentations from DTF January 10-13 January 2022**



Autonomous Netw...tiative\_DTF.pdf

[2022-01-12 - ONAP: Autonomous Networks Multi-SDO Initiative](#)



TCC NW Management@DTF.pdf

[2022-01-13 - ONAP: TCC Generic Network Managementnce](#)

**Update on AN Multi-SDO initiative from TM Forum - December 2<sup>nd</sup> 2021**



Autonomous Net...ve\_Dec2022.pdf

**AN Multi-SDO initiative from TM Forum**



Autonomous Netwo...O Initiative.pdf



MSDO\_AN\_Liasion...ussionL09-2.pdf

**K. Shankaranarayanan and K. Moorthy, "Realization of ONAP/O-RAN Autonomous Networks Use Cases: ONAP 5G SON Use Case Perspective," 5th Virtual Meeting, ITU-T Focus Group on Autonomous Networks, November 3, 2021:**

<https://wiki.onap.org/display/DW/R10+5G+SON+use+case>

Direct link to file:



[https://wiki.onap.org/download/attachments/117740649/FGAN-I-155\\_att.pptx?version=1&modificationDate=1640011194114&api=v2](https://wiki.onap.org/download/attachments/117740649/FGAN-I-155_att.pptx?version=1&modificationDate=1640011194114&api=v2)

## LFN 2021 June Developer and Testing Forum

Presentations on topics of common interest between ONAP and SDOs

- 1) Hot topics on automation in 3GPP SA5
- 2) Closed Control Loop Automation - ONAP, ETSI ZSM, IRTF, 3GPP, etc



ONAP - Network M...Coordination.pdf

## Layer123 Europe: 360° Network Automation Congress

12<sup>th</sup> April 2021 - [ZSM Forum on the journey to zero-touch & autonomous networks: ONAP and ZSM](#)



ONAP-ZSM\_Layer...23\_Europe.pptx

## LFN 2021 February Developer and Testing Forum

2<sup>nd</sup> February - ONAP TCC Generic Network Management Update



LFN-DDTF-ONAP T...pdate\_final.pdf



ngmn\_onap\_5G\_E...amework\_st.pdf

Recording of session:



zoom\_0.mp4

**Workshop on E2E Network Slicing and Closed Loop Automation with input from ONAP and ETSI ZSM, 8th December 2020**



Intro.pdf



ONAP\_Network\_S...I\_ZSM\_v1.0.pdf



2020-12-08\_Co...ZSM\_NS\_WS.pdf



ETSI ZSM work it...utomation v2.pdf



WS 8 Dec on NW ...losed loops.zip

[Recording and transcript](#)

**NGMN Liaison Statement on the NGMN 5G End-to-End Architecture Framework (Phase-3)**



201117 NGMN\_E2...work\_v4.31.pdf

This document delineates the requirements in terms of entities and functions that characterise the capabilities of an E2E (end-to-end) framework. Architectural perspectives and considerations associated with the service categories - eMBB, mMTC, URLLC - envisioned for 5G (Fifth Generation) underscore the delineation of the E2E framework requirements. These requirements are intended as guidance in the development of interoperable and market enabling specifications for a continuing advancement of the 5G ecosystem of heterogeneous access, virtualization, autonomous capabilities, forward-looking service enablers, and emerging usage scenarios.



201117 NGMN\_li...k\_phase-3.docx



NGMN LS.pptx

## Presentations at the LFN Virtual Technical Meetings, October 13-16, 2020



ETSI ZSM - ONAP...on - agenda.pdf



TCC Generic Ne...Management.pdf



LFNTECH\_ETSI\_NF...2020\_final1.pdf

## Specifics about the TM Forum **Autonomous Network Workshop**

- Monday, September 28, 2020 at 09:00-12:00 BST (10:00-13:00 CET)

- Zoom: <https://us02web.zoom.us/j/87202298328>
- Meeting ID: 872 0229 8328
- Find your local number: <https://us02web.zoom.us/u/kdoNzTizMP>

Per the attached announcement, for those who wish to present, please advise by September 26, 2020.

If there any questions, please contact me at [liaisons@tmforum.org](mailto:liaisons@tmforum.org).

Best regards,

Cecilia Ortega Lagos  
Head of Collaboration Experience

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[cortegalagos@tmforum.org](mailto:cortegalagos@tmforum.org)

Liaison statement from TM Forum regarding **Autonomous Network Workshop**



UpdateAN SDO W... 202009-3.docx



22553 Autonomo...whitepaper.pdf



IG1218\_Autonomo...ture\_v1.0.0.pdf

Information to TSC on 18th June 2020 regarding two Liaison Statements from 3GPP SA5



NW Management ...SC-June 18.pdf



S5-203313 LS re...S S5-202300.doc



S5-203314 LS re...o S5-197831.doc

Replies to 3GPP's liaison office



ONAP reply to 3... S5-197831.docx



ONAP reply to 3... S5-202300.docx

Proposal for approval in TSC 7th May 2020 regarding two Liaison Statements from 3GPP SA5



NW Management ...ay-07\_revC.pdf

Presentation at the 2020 April Virtual Technical Event

[NW Management Community Coordination\\_April23.pptx](#)



NW Management ...on\_April23.pdf

Incoming Liaison Statements from 3GPP SA5:





S5-196792 LS on...ration WoW.doc



S5-197831 LS-ou...integration.doc



TCC Generic Ne...GPP SA5\_LS.pdf

Presentation to the TSC on 21<sup>st</sup> November:



TCC Gene...ov21.pdf

Task: Coordinate all network management activities happening in 3GPP SA5, ETSI NFV, ETSI ZSM, IETF, BBF, MEF, TM Forum



Network M...n (1).pdf

## 3GPP SA5

### Joint subcommittee meeting in San Jose, April 2019

Thomas Tovingier, Chairman of 3GPP SA5:

Anatoly Andrianov:



3GPP man... (1).pdf

[Video](#)



Integratin...01 (1).pdf

[Video](#)

### Joint subcommittee meeting in Antwerp, September 2019

Jan Groenendijk:



ONAP Con... v05.pdf

### Liaison Statement from October 2019:

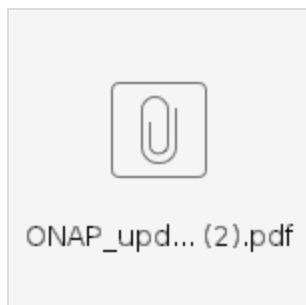


S5-1967...WoW.doc

## ETSI NfV

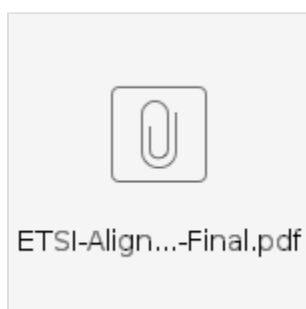
## Joint subcommittee meeting in San Jose, April 2019

Thinh Nguyenphu:

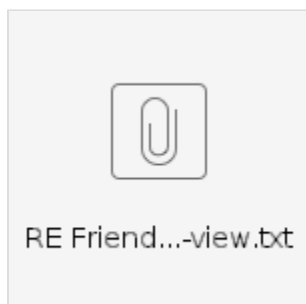


## Joint subcommittee meeting in Antwerp, September 2019

Byung-Woo Jun and Michael Morris:



Feedback from ETSI NFV, Raja Bhyrraju (rajavarma.bhyrraju@[ericsson.com](mailto:ericsson.com)):



## ETSI ZSM

## Joint subcommittee meeting in Antwerp, September 2019

Raghavendra Mahalingappa:



This proposal was also approved by ETSI ZSM at the latest F2F meeting in November.

## IETF

Feedback from Qin Wu (bill.wu@[huawei.com](mailto:bill.wu@huawei.com)):



## BBF

### **Joint subcommittee meeting in San Jose, April 2019**

Tim Carey:



Update November 2019:

Author: Tim Carey



## MEF

### **Joint subcommittee meeting in San Jose, April 2019**

Karthik Sethuraman:



MEF Servi...3 (2).pdf

Feedback November 2019:

Karthik Sethuraman:



Re Friend...ration.txt

## TM Forum

[TM Forum ONAP interest group](#) (TM Forum account and project membership needed)



TCC TMF@ONAPARCMar3.pdf

## Joint subcommittee meeting in Antwerp, September 2019

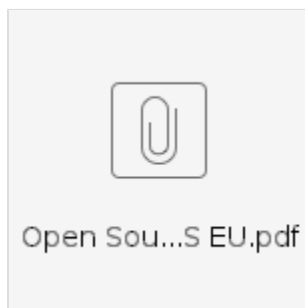
Remote presentation by Dave Milham - TM Forum



General Open Source and Standardization coordination material:

**ONS Europe, September 2019**

Alla Goldner:



Magnus Buhrgard:



**DT hosted Zero Touch Conference in September 2019**

*"Standardization meets open source to manage programmable networks"*



Magnus Buhrgard:



Puzzle Pieces fo...E Automation.pdf