

**Question(s):** 4/11

Virtual, 17-26 March 2021

(Ref.: TD1634-R1/GEN)

Source: ITU-T Study Group 11**Title:** LS on recent service function chaining related developments in Q4/SG11: two new draft Supplements**LIAISON STATEMENT****For action to:** -**For comment to:** -**For information to:** ITU-T Study Group 13, IETF SFC WG, JCA-IMT2020**Approval:** ITU-T Study Group 11 meeting (virtual, 26 March 2021)**Deadline:** N/A**Contact:** Andrey Kucheryavy
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Email: chengying10@chinaunicom.cn**Keywords:** heterogeneous SI assignment mechanism; parallel SFC packet processing**Abstract:** This LS aims to inform SG13, IETF SFC WG and JCA-IMT2020 that SG11 has started two new work items Q.Suppl.heter_SI and Q.Suppl.pSFC.

At its virtual meeting (17-26 March 2021), ITU-T Study Group 11, particularly Q4/11 agreed to start two new work items:

- Draft Supplement ITU-T Q.Suppl.heter_SI "Signalling Requirements of SFC based on heterogeneous service index in mobile scenarios" aims to specify the signalling requirements of service function chaining based on heterogeneous SI. This Supplement focuses on the signalling among the service function forwarders. The A.13 justification is included as Annex C in the Q4/11 meeting report ([SG11-TD1560-R1/GEN](#)) and the baseline text is contained in [SG11-TD1633/GEN](#).
- Draft Supplement ITU-T Q.Suppl.pSFC "Signalling requirements for parallel SFC packet processing" aims to specify the signalling requirements of parallel SFC packet processing. The A.13 justification is included as Annex C in the Q4/11 meeting report ([SG11-TD1560-R1/GEN](#)) and the baseline text is contained in [SG11-TD1632/GEN](#).

We will keep ITU-T Study Group 13, IETF SFC WG, JCA-IMT2020 informed on the progress of these two draft Supplements and hope you can share your related works with us if you have similar studies in this area.

Please kindly find below, in Appendix, the information of this work item using SDN Roadmap template.

Appendix – template to provide information on SDN-related activities

Activity domain	Stage (topic)	Area	Entity	Title of deliverable	Scope of deliverable	Current status	Starting date	Target date
SDN Network function virtualization network virtualization Programmable network NaaS	Use cases framework requirements architecture protocol	e.g. Network service application, mobile fixed, access core	SDO, and WG if possible	Name / acronym / Reference /	This document aims to ...	Draft ITU-T Recommendation / International Standard / Specification/Suppl ement	yyyy.m m	yyyy.mm

Activity domain	Stage (topic)	Area	Entity	Title of deliverable	Scope of deliverable	Current status	Starting date	Target date
SDN, virtualization	Signalling requirements	Network, mobile	ITU-T SG11 Q4 (2017 ~ 2020)	Q.Suppl.hetero-SI "Signalling Requirements of SFC based on heterogeneous service index in mobile scenarios"	<p>The traditional SFC solution cannot meet the requirements in mobile scenarios, because its static SF sequence cannot add to/remove from the chain in any time immediately which is necessary in shifting environment. In this Supplement an optimized solution called heterogeneous service index assignment mechanism is introduced to solve the traditional SFC problem mentioned above.</p> <p>The scope of this supplement consists of:</p> <p>(1) Overview for heterogeneous SI assignment mechanism in mobile scenarios;</p> <p>(2) Interface Si reference model;</p> <p>(3) Signalling requirements for interfaces Si.</p>	ITU-T supplement	2021.03	2023-Q1
SDN, NFV	Signalling requirements	Network, fixed	ITU-T SG11 Q4 (2017 ~ 2020)	Q.Suppl.pSFC "Signaling requirements for parallel SFC packet processing"	<p>This Supplement describes the signaling requirements of parallel SFC packet processing. This supplement focuses on the signalling among the controller and SFs (Service The scope of this Supplement consists of:</p> <p>(1) Overview for parallel SFC packet processing;</p> <p>(2) Interface pSFC reference model;</p> <p>(3) Signalling requirements for interfaces pSFC.</p>	ITU-T supplement	2021.03	2023-Q1

Attachments: 3

- [SG11-TD1560-R1/GEN](#): Draft Report of Q4/11 meeting "Protocols for control, management and orchestration of network resources" (virtual, 17-26 March 2021)
 - [SG11-TD1632/GEN](#): Output - baseline text for a new work item Supplement Q.Suppl.pSFC "Signaling requirements for parallel SFC packet processing" (virtual, 17-26 March 2021)
 - [SG11-TD1633/GEN](#): Output - Initial draft Supplement Q.heter_SI "Signaling Requirements of SFC based on heterogeneous service index in mobile scenarios" (Virtual, 17-26 March 2021)
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