



Question(s): 19/13

Geneva, 16-27 July 2018

CONTRIBUTION

Source: Ministry of Communications (India), Orange Polska S.A.

Title: A.1 Justification for new work item - "Cloud Computing - End to End Fault & Performance Management Framework of Multi-Cloud Virtual Network Services"

Purpose: Proposal

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Keywords: Multi cloud; fault management; performance management; virtual network service

Abstract: This contribution proposes A.1 Justification form for proposed new work item related to End to End Fault & Performance Management Framework of Multi Cloud Virtual Network Services. NWI is proposed by C540.

Annex xx

A.1 justification for proposed draft new Recommendation Y.xxx

Question:	19/13	Proposed new ITU-T Recommendation	Geneve, Switzerland, July 2018	
Reference and title:	ITU-T Y.xxx " Cloud computing - End to End Fault & Performance Management Framework of Multi Cloud Virtual Network Services "			
Base text:	C.540		Timing:	2020-06
Editor(s):	ARVIND CHAWLA, +91 9868512165; Arvind.chawla@gov.in		Approval process:	AAP
Scope (defines the intent or object of the Recommendation and the aspects covered, thereby indicating the limits of its applicability): This document provides a framework and requirements for: - NFVIaaS, - VNFaaS, - Virtual Network Services (VNS) in multi TSP domains over multi CSP Clouds - End to End Fault and Performance Management of Multi Cloud Virtual Network Services				
Summary (provides a brief overview of the purpose and contents of the Recommendation, thus permitting readers to judge its usefulness for their work): This Recommendation describes the deployment of telecommunication network services over multiple clouds using NFVIaaS and/or VNFaaS to provide VNSs. It proposes the paradigm of end-to-end fault and performance detection and localization in multi-cloud based virtual network services as a means to achieve carrier grade reliability and availability. The framework and functional requirements are provided to enable the end-to-end fault and performance management. The approach is generic in nature and is applicable to all member states.				
Relations to ITU-T Recommendations or to other standards (approved or under development): ITU-T X.733 , Y.3500 , Y.3501 , Y.3502 , Y.3503 , Y.3510 , Y.3511 , Y.3512 , Y.3513 , Y.3520				
Liaisons with other study groups or with other standards bodies: ITU-T SG2, ETSI ISG NFV				
Supporting members that are committing to contributing actively to the work item: Telecom Engineering Centre, Department of Telecommunications, Ministry of Communications, Government of India; Orange Polska S.A.;				

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