Study Group 13 "*Future networks and emerging network technologies*"
15 - 26 July 2024, Geneva

Last meeting results on Recommendations, Supplements, Technical Reports and questionnaires.

Recommendation approved (Resolution 1 - TAP)

ITU-T Rec. No.	Q	Base text	Status	Title
Y.2776 (Y.DPI-IMM-PIB)	7/13	TD272/PLEN	New	Deep packet inspection - intelligent management and maintenance of policy information base

SG13 approved the above-mentioned Recommendation at its interim plenary on 22 July 2024.

TSB circular 229 (dated 9 August 2024) announces the approval.

Recommendations determined (Resolution 1 - TAP)

ITU-T Rec. No.	Q	Base text	Status	Title
Y.2348 (Y.NRS-DLT-arch)	2/13	TD282/PLEN	New	Functional architecture of network resource sharing based on distributed ledger technology
Y.3211 (Y.FMSC-ABC-req)	23/13	TD317/PLEN	New	Fixed, mobile and satellite convergence - Requirements of supporting airborne broadband communication for IMT-2020 networks and beyond

Recommendations consented for Last Call (Recommendation A.8 - AAP)

ITU-T Rec. No.	Q	Base text	Status	Title
Y.2256 (Y.ous)	1/13	TD280/PLEN	New	Overview of Unmanned Smart Farm based on networks
Y.2347 (Y.NGNe-NCI-reqts)	2/13	TD281/PLEN	New	Requirements of next generation network evolution for support network and cloud interworking
Y.3326 (Y.SNICE-DLT-reqts)	2/13	TD283/PLEN	New	Requirements and framework of distributed software-defined network intelligence capability enhancement based on distributed ledger technology
Y.2349 (Y.MDRM-DLT-reqts)	2/13	TD284/PLEN	New	Requirements and framework of multi-dimensional resource matching of next generation network evolution based on distributed ledger technology

Y.2350 (Y.NGNe-CNE-reqts)	2/13	TD285/PLEN	New	Requirements of next generation network evolution (NGNe) to support container-based network entities
Y.3046 (Y.SAN)	2/13	TD286/PLEN	New	Requirements and framework of service aware network for network service provider
Y.2360 (Y.RIDDN)	5/13	TD287/PLEN	New	Requirements for Integrating Demographics Data for New and Emerging Technologies in Developing Countries
Y.3143 (Y.IMT2020-qos-req-sh)	6/13	TD288/PLEN	New	Quality of service assurance requirements and framework for smart healthcare supported by IMT-2020 and beyond
Y.3822 (Y.QKDN-qos-auto-rq)	6/13	TD289/PLEN	New	Quantum key distribution networks - Requirements for autonomic quality of service assurance
Y.3047 (Y.ReqCap-NACC)	7/13	TD290/PLEN	New	Requirements and capability of network awareness based on cloud computing
Y.3023 (Y.dv-ess)	16/13	TD291/PLEN	New	Framework of distributed and virtualized energy storage systems
Y.3260 (Y.atem-tn)	16/13	TD292/PLEN	New	Assessing trust evaluation models for telecommunication networks
Y.3824 (Y.QKDNf-fr)	16/13	TD293/PLEN	New	Quantum key distribution network federation - Reference models
Y.3825 (Y.QKDN-TSNfr)	16/13	TD294/PLEN	New	Integration of quantum key distribution network and time-sensitive network - framework
Y.3826 (Y.QKDN-nq-rf)	16/13	TD295/PLEN	New	Integration of quantum key distribution network and user network supporting end-to-end modern cryptography services – framework
Y.3808	16/13	TD296/PLEN	Revised	Integration of quantum key distribution network and secure storage network
Y.3810	16/13	TD297/PLEN	Revised	Quantum key distribution network interworking - Framework
Y.3813	16/13	TD298/PLEN	Revised	Quantum key distribution network interworking - Functional requirements

Y.3817	16/13	TD299/PLEN	Revised	Quantum key distribution network interworking - Requirements for quality of service assurance
Y.3818	16/13	TD300/PLEN	Revised	Quantum key distribution network interworking - Architecture
Y.3820	16/13	TD301/PLEN	Revised	Quantum key distribution network Interworking - Software defined networking control
Y.3552 (Y.ecloud-reqts)	17/13	TD302/PLEN	New	Cloud computing – Functional requirements of edge cloud
Y.3553 (Y.CCDCFA)	18/13	TD303/PLEN	New	Cloud Computing - Distributed Cloud Functional Architecture
Y.3554 (Y.PCNA-frame)	19/13	TD304/PLEN	New	Cloud Computing - Functional framework of Platform as a Service management for cloud native applications
Y.3401 (Y.IMT2020-CNC-FW)	20/13	TD305/PLEN	New	Coordination of networking and computing in IMT-2020 networks and beyond - Capability framework
Y.3144 (Y.IMT2020-DCN)	20/13	TD306/PLEN	New	Future networks including IMT-2020 - Requirements and functional architecture of distributed core network
Y.3187 (Y.ML-IMT2020-MLFO)	20/13	TD307/PLEN	New	Architectural framework for Machine Learning Function Orchestrator in future networks including IMT-2020
Y.3163 (Y.NAEC)	21/13	TD308/PLEN	New	Network accelerating for edge computing in IMT-2020 networks and beyond
Y.3164 (Y.JDVOP-req)	21/13	TD309/PLEN	New	Requirement of joint development and operation for IMT-2020 networks and beyond
Y.3092 (Y.DTNMO)	21/13	TD310/PLEN	New	Digital twin for management and orchestration in IMT-2020 networks and beyond
Y.3084 (Y.ICN-ILE)	22/23	TD311/PLEN	New	Information-centric networking in networks beyond IMT-2020 - Requirements and functional framework to support immersive live experience services
Y.3085 (Y.ICN-Det)	22/13	TD312/PLEN	New	Information-centric networking in networks beyond IMT-2020 - Requirements and

				functional framework enhancement to support deterministic communication services
Y.3086 (Y.ICN-ML)	22/13	TD313/PLEN	New	Information-centric networking in networks beyond IMT-2020 - Requirements and functional framework enhancement to support machine learning
Y.3208 (Y.FMSC-SMSB)	23/13	TD314/PLEN	New	Fixed, mobile and satellite convergence - Session management with satellite backhaul for IMT-2020 networks and beyond
Y.3209 (Y.FMSC-TS)	23/13	TD315/PLEN	New	Fixed, mobile and satellite convergence - Traffic scheduling for IMT-2020 networks and beyond
Y.3210 (Y.FMSC-DLT)	23/13	TD316/PLEN	New	Fixed, mobile and satellite convergence - Distributed ledger technology for IMT-2020 networks and beyond
Y.3212 (Y.FMSC-HAP-req)	23/13	TD318/PLEN	New	Fixed, mobile and satellite convergence - Requirements of supporting High Altitude Platform for IMT-2020 networks and beyond
Y.3213 (Y.FMSC-PC)	23/13	TD319/PLEN	New	Fixed, mobile and satellite convergence - Policy control for IMT-2020 networks and beyond
Y.3214 (Y.FMSC-SFC)	23/13	TD320/PLEN	New	Fixed, mobile and satellite convergence - Service function chain (SFC) for IMT-2020 networks and beyond
Y.3215 (Y.FMSC-ns-req)	23/13	TD321/PLEN	New	Fixed, mobile and satellite convergence - Requirements of network sharing for IMT-2020 networks and beyond
Y.3216 (Y.FMSC-DCN)	23/13	TD322/PLEN	New	Fixed, mobile and satellite convergence - Distributed core network for IMT-2020 networks and beyond

The AAP Last Call will start on **16 August 2024** for each of the 41 consented Recommendations listed above**.**

Supplements agreed to (Recommendation A.13)

ITU-T Doc. No.	Q	Base text	Status	Title
Supplement 84 to Y.3050-series (Y.supp.trust-roadmap)	16/13	TD324/PLEN	New	Standardization roadmap on trustworthy networking and services
Supplement 59 to ITU-T Y.3100-series	21/13	TD323/PLEN	New	IMT-2020 and beyond standardization roadmap

Technical Report agreed to (Recommendation A.13)

ITU-T Doc. No.	Q/group	Base text	Status	Title
Technical Report First Edition (22 July 2024)	SG13 CG-datasets	TD274-R1/PLEN	New	Datasets standardization approaches for datasets applicable for AI/ML in networks

Questionnaire agreed for dissemination

ITU-T Doc. No.	Q	Base text	Status	Title
Questionnaire (26 July 2024)	5/13	TD325/PLEN	New	Migrating existing mobile network technologies to IMT-2020 and beyond