

Executive summary of ITU-T WP2/21 and WP4/21 meeting (Geneva, 4 July 2025)

The meetings of Working Party 2/21 (WP2/21) on *Multimedia digital services and human aspects* and Working Party 4/21 (WP4/21) on *Infrastructure for multimedia systems, services and applications, including metaverse* were held in ITU headquarters, Geneva, on 4 July 2025. These meetings were preceded by Rapporteur Group Meetings of relevant Questions and were convened with the main objective of Consenting related work items that became sufficiently mature.

The WP2/21 meeting was chaired by Mr Hideki Yamamoto (OKI, Japan), and the WP4/21 meeting was chaired by Mr Shin-Gak KANG (ETRI, Korea), both meeting were assisted by SG21 Counsellor Mr Stefano Polidori. The meetings were attended by 68 participants from 11 countries and the sessions were held physically, supported by remote participation using [MyMeetings](#) platform.

1 List of Consented draft Recommendations using AAP (ITU-T A.8)

The meeting agreed to consent 5 work items (4 draft new Recommendations and 1 Corrigendum):

#	Question	Rec	Version	Title	Final TD	A.5 just.
1	2/21	F.780.7 (ex F.MEMgt)	New	Technical requirements of medical equipment management platform for digital hospitals	SG21-TD95R3/WP2	N/A
2	2/21	F.780.8 (ex F.MESafFra)	New	Technical requirement of proactive health data collection terminal equipment	SG21-TD96R2/WP2	N/A
3	9/21	F.748.58 (ex F.CEMP-DHS)	New	Requirements and architectures of multimedia platform for digital human services using edge cloud	SG21-TD108R1/WP4	N/A
4	10/21	F.749.19 (ex F.VG-DS)	New	Framework and requirements of the data sharing service platform for electric vehicle charging	SG21-TD132/WP4	N/A
5	13/21	H.741.5 Cor.1	Corr	Application event handling: Overall aspects of personalized IPTV service	SG21-TD94R1/WP4	N/A

2 New work items

The meeting agreed to start work on nine new work items (seven new draft Recommendations, one revised Recommendation and one new corrigendum, which was immediately consented). The agreed new work items are reported below:

#	Q.	Acronym (kind of publication)	Status	Title	Editor	TD	A.1/A.13 Justification template
1	2/21	F.780.6(Rev)	Rev	Requirements for colourimetry for telemedicine systems using ultra-high definition imaging	Masahito KAWAMORI kawamorim@gmail.com	SG21-TD103/WP2	N/A
2	2/21	F.Req-surgical (Draft Rec.)	New	Framework and requirements on multimedia communication aspects of remote surgical system	Haiying Ren, CAICT, China, renhaiying@caict.ac.cn Dan Wang, CAICT, China, wangdan1@caict.ac.cn Junge Liang, CAICT, China, liangjunge@caict.ac.cn Man Li, CAICT, China, liman@caict.ac.cn Zhengpeng You, China Mobile, China, youzhengpeng@cmii.chinamobile.com	SG21-TD101R1/WP2	ANNEX Q2.A of SG21-R8 (A.1)
3	9/21	H.3DRS-PF (Draft Rec.)	New	Requirements and functional architecture of real-scene 3D reconstruction system for power facilities	Wei Liang, State Grid Corporation of China wliang1988@163.com Zhicong Huang, State Grid Corporation of China zcong_huang@163.com Lei Wang, NUPT leiwang@njupt.edu.cn	SG21-TD128/WP4	Annex Q9.A of SG21-R9 (A.1)
4	9/21	H.MV-FRADAI (Draft Rec.)	New	Functional requirements and architecture for digital asset interoperability in cross-platform metaverse	Jungha Hong, ETRI, jhong@etri.re.kr MiYoung Huh, ETRI, myhuh@etri.re.kr Wook Hyun, ETRI, whyun@etri.re.kr Hideo Imanaka, NICT, h.imanaka@nict.go.jp	SG21-TD117/WP4	ANNEX Q9.B (A.1) of SG21-R9

#	Q.	Acronym (kind of publication)	Status	Title	Editor	TD	A.1/A.13 Justification template
5	9/21	TR.MV-MML (Technical report)	New	Maturity levels for metaverse service and application	Won-Tae Kim, Koreatech, wtkim@koreatech.ac.kr Junhyung Kwon, Koreatech, jhkwon0512@koreatech.ac.kr Hyunjeong Lee, ETRI, hjlee294@etri.re.kr	SG21-TD118/WP4	ANNEX Q9.C (A.13) of SG21-R9
6	10/21	F.CV-DDDS (Draft Rec.)	New	Framework requirements and evaluation methods for driver distraction detection system	Bo Yang, Chongqing Changan Automobile Co., Ltd., China, yangbo6@changan.com.cn Rundong Yu, China Academy of Information and Communication Technology (CAICT), China, yurundong@caict.ac.cn Qingyang Yan, China Telecom Research Institute., Guangdong, China, yanqy@chinatelecom.cn	SG21-TD151R1/WP4	ANNEX Q10.A (A.1) of SG21-R9
7	10/21	F.CV-AIVVA (Draft Rec.)	New	Framework and Requirements for AI-Enabled In-Vehicle Voice Assistants	Wei Ren, Chongqing Changan Automobile Co., Ltd., China, renwei4@changan.com.cn Zheng Gong, China Academy of Information and Communications Technology (CAICT) P.R., China, gongzhengl@caict.ac.cn	SG21-TD152R1/WP4	ANNEX Q10.B (A.1) of SG21-R9
8	10/21	F.Sup-CUAV-PSEUC (Supplement)	New	Use cases for communication services of passive sensing equipment based on civilian unmanned aerial vehicles	Menghua Tao, China Unicom taomenghua@chinaunicom.cn Chi Zhang, Shenzhen SmartMore Technology Co., Ltd chi.zhang@smartmore.com Wenbo Zhang, China Unicom zhangwb83@chinaunicom.cn	SG21-TD153/WP4	ANNEX Q10.C (A.13) of SG21-R9

#	Q.	Acronym (kind of publication)	Status	Title	Editor	TD	A.1/A.13 Justification template
					Wenjie Li, China Unicom liwj149@chinaunicom.cn		
9	13/21	H.741.5 Cor.1 [*]	New	Application event handling: Overall aspects of personalized IPTV services: Correction on 'feature vector' and 'user feature' definition	Yutao Zhang China Unicom China, zhangyt118@chinaunicom.cn	SG21- TD94R1/WP4	N/A

^{*} NOTE: H.741.5 Cor.1 was agreed for immediate consent.

3 Outgoing Liaison Statements

The meeting agreed on **four** outgoing liaison statements

#	Questions	WP	To	For	Title	TD
1	2/21	2/21	IRG-AVA	Action	LS on collaboration on accessibility and sensory health	SG21-TD102R1/WP2
2	3/21	2/21	ITU-T SG20, JCA-MV	Action	LS/r on the initiation of draft new Recommendation ITU-T Y.MetaExpSys “Requirements of Metaverse Experience System for Tourist Places” (reply to SG20-LS37)	SG21-TD94/WP2
3	9/21	4/21	to ITU-T SG20, JCA-MV SG2, SG17	Action Information	LS/r on the initiation of two new work items related to identity for metaverse (reply to SG20-LS9) [to ITU-T SG20, SG2, SG17, JCA-MV]	SG21-TD130/WP4
4	10/21	4/21	IWG-DDADWS in UNECE WP.29	Information	LS on initiation of new work item on the draft ITU-T F.CV-DDDS “Framework requirements and evaluation methods for driver distraction detection system”	SG21-TD133/WP4

4 Interim Rapporteur meetings held since the last SG21 meeting under WP2/21 and WP4/21

The results of the previous related rapporteur groups interim meetings were reviewed and approved. See relevant reports listed in the following table.

Question	Topic	Date, Place	Report
Q2/21	Q2/21 Rapporteur meeting	24 March 2025, E-Meeting	SG21-TD98/WP2 (2025-07)
Q3/21	Q3/21 Rapporteur meeting	28-29 April 2025, E-Meeting	SG21-TD72/WP2 (2025-07)
Q2/21	Q2/21 Rapporteur meeting	2-3 June 2025, E-Meeting	SG21-TD99/WP2 (2025-07)
Q4/21	Q4/21 Rapporteur meeting	16 June 2025, E-Meeting	SG21-TD81R1/WP2 (2025-07)
Q2/21	Q2/21 Rapporteur meeting	23-24 June 2025, E-Meeting	SG21-TD97R1/WP2 (2025-07)
Q3/21	Q3/21 Rapporteur meeting	24-25 June 2025, E-Meeting	SG21-TD86R1/WP2 (2025-07)
Q2/21	Q2/21 Rapporteur meeting	3 July 2025, Geneva	SG21-TD100R1/WP2 (2025-07)
Q13/21	Q13/21 Rapporteur meeting	16-18 June 2025, E-Meeting	SG21-TD93/WP4 (2025-07)
Q9/21	Q9/21 Rapporteur meeting	18-20 June 2025, E-Meeting	SG21-TD100R1/WP4 (2025-07)
Q8/21	Q8/21 Rapporteur meeting	24-26 June 2025, Tokyo	SG21-TD119/WP4 (2025-07)
Q10/21	Q10/21 Rapporteur meeting	30 June - 2 July 2025, Geneva	SG21-TD131R1/WP4 (2025-07)

5 Work plan for interim Rapporteur meetings and working party meetings

5.1 Working party meetings

No plans to hold any interim meetings of WP2/21 or WP4/21 before the upcoming SG21 meeting in October.

5.2 Interim Rapporteurs' groups meetings

The following interim Rapporteurs' groups meetings were agreed by WP2/21 and WP4/21.

For updates, please see the Rapporteur meetings webpage:

<https://www.itu.int/net/ITU-T/lists/rgm.aspx?Group=21>

Question/SG	Date	Place / Host	Terms of reference	Contact
2/21	28-29 August 2025 1430-1730 hours (Geneva time)	E-meeting	Progress on ○ F.HR-AP ○ F.PGHR ○ H.SL-AD ○ F.FAST ○ F.HR-AP ○ F.HPP-Req ○ F.RFS-FH ○ F.mMRI-Rural ○ F.Med-VHN ○ F.PreTG: ○ FSTP.UHD-Colour-UC ○ HSTP.BHQ-UC ○ F.Req-surgical ○ F.780.6 (Rev) and others as needed.	Masahito KAWAMORI (kawamori@gmail.com)
3/21	27-28 August 2025 0930-1230 hours (Geneva time)	E-meeting	○ Coordinate with other SDOs, Questions, or Study Groups ○ Progress work on new and existing work items (F.ARMSOR, F.CDA-RP, F.CDSS-RF, F.CRA-KGS-RF, F.DC-CGS-FRA, F.DC-CPA-RA, F.DCCRA-IRS-RA, F.DC-CRATS-Meta, F.DC-IRS-RA, F.DEC-RM, F.DICHE-RC, F.VE-DTM, F.RCRA-VRS-RF, F.MRCH, F.LVR-CHS, F.MDAH, F.MRN-CHS, F.DC-EMES-SMS-FR)	Hong (Norman) Chen (norman_chen2020@163.com) ShiZhong Xu (xsx@uestc.edu.cn)
4/21	15 September 2025 0930-1230 hours (Geneva time)	E-meeting	○ Progress on F.FDHC, F.EDMS, etc. ○ Review work items for Consent	Miran Choi (miranc@etri.re.kr)
10/21	18-20 August 2025 0830-1330 (Geneva time)	E-meeting	○ Items scheduled for consent in the SG21 (Oct. 2025) ➤ F.PB-ADS-DV, H.MVIS ○ Progress on existing work items ○ New work item proposals ○ Any other issues	Hideki Yamamoto (yamamoto436@oki.com)
10/21	9-11 September 2025 0830-1330 hours (Geneva time)	E-meeting	○ Items scheduled for consent in the SG21 (Oct. 2025) ➤ F.PB-ADS-DV, H.MVIS ○ Progress on existing work items ○ New work item proposals ○ Any other issues	Hideki Yamamoto (yamamoto436@oki.com)

More details will be made available in the Reports of WP2/21 and WP4/21 ([SG21-R8](#) and [SG21-R9](#)).