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| Title: ITU logo | INTERNATIONAL TELECOMMUNICATION UNION**TELECOMMUNICATION STANDARDIZATION SECTOR**STUDY PERIOD 2022-2024 | TSAG-TD646 |
| TSAG |
| **Original: English** |
| **Question(s):** | N/A | Geneva, 29 July - 2 August 2024 |
| **TD(Ref.:** [SG20-LS124](http://handle.itu.int/11.1002/ls/sp17-sg20-oLS-00124.docx)**)** |
| **Source:** | ITU-T Study Group 20 |
| **Title:** | LS/i on initiation of the ITU-T Study Group 20 new work items related to metaverse [from ITU-T SG20] |
| **LIAISON STATEMENT** |
| **For action to:** | - |
| **For information to:** | TSAG |
| **Approval:** | ITU-T Study Group 20 meeting (Geneva, 12 July 2024) |
| **Deadline:** | – |
| **Contact:** | Hyoung Jun KimSG20 Chair | E-mail: khj@etri.re.kr  |

A new liaison statement has been received from SG20.

This liaison statement follows and the original file can be downloaded from the ITU ftp server at <http://handle.itu.int/11.1002/ls/sp17-sg20-oLS-00124.docx>.

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|  | INTERNATIONAL TELECOMMUNICATION UNION**TELECOMMUNICATIONSTANDARDIZATION SECTOR**STUDY PERIOD 2022-2024 | **SG20-LS124** |
| **STUDY GROUP 20** |
| **Original: English** |
| **Question(s):** | All/20 | Geneva, 1-12 July 2024 |
| **Ref.: SG20-TD1606-R1** |
| **Source:** | ITU-T Study Group 20 |
| **Title:** | LS on initiation of the ITU-T Study Group 20 new work items related to metaverse |
| **LIAISON STATEMENT** |
| **For action to:** | – |
| **For information to:** | TSAG |
| **Approval:** | **ITU-T Study Group 20 meeting (Geneva, 12 July 2024)** |
| **Deadline:** | – |
| **Contact:** | Hyoung Jun KimSG20 Chair | E-mail: khj@etri.re.kr  |

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| **Abstract:** | This liaison statement informs TSAG about the initiation of the ITU-T Study Group 20 new work items related to metaverse.  |

ITU-T Study Group 20 would like to inform TSAG that during the ITU-T Study Group 20 plenary held on 12 July 2024, it was agreed to initiate the following work items.

| **TD reference** | **Q.** | **Rec/Tech.Rep/Sup** | **Working title** | **Title** | **Related FG-MV Deliverable** |
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| [TD1504](https://www.itu.int/md/T22-SG20-240701-TD-GEN-1504/en)(A.1 [TD1503](https://www.itu.int/md/T22-SG20-240701-TD-GEN-1503/en)-R2) | Q1/20 | Recommendation | Y.dtmv-reqts | Requirements of integrating virtual and physical worlds through digital twins for the metaverse | [FGMV-28](https://www.itu.int/en/ITU-T/focusgroups/mv/Documents/List%20of%20FG-MV%20deliverables/FGMV-28.pdf) |
| [TD1502](https://www.itu.int/md/T22-SG20-240701-TD-GEN-1502/en)(A.1 [TD150](https://www.itu.int/md/T22-SG20-240701-TD-GEN-1501/en)1-R2) | Q1/20 | Recommendation | Y.dtmv-ref | Reference model of integrating virtual and physical worlds through digital twins for the metaverse | [FGMV-29](https://www.itu.int/en/ITU-T/focusgroups/mv/Documents/List%20of%20FG-MV%20deliverables/FGMV-29.pdf) |
| [TD1500-R1](https://www.itu.int/md/T22-SG20-240701-TD-GEN-1500/en)(A.1 [TD1499-R1](https://www.itu.int/md/T22-SG20-240701-TD-GEN-1499/en)) | Q1/20 | Recommendation | Y.dtmv-if | Interface model and its requirements of integrating virtual and physical worlds through digital twins for the metaverse |  |
| [TD1488-R1](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T22-SG20-240701-TD-GEN-1488)(A.1 [TD1487-R2](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T22-SG20-240701-TD-GEN-1487)) | Q2/20 | Recommendation | Y.ACC-IoTMV | Accessibility requirements for metaverse services supporting IoT | [FGMV-15](http://handle.itu.int/11.1002/pub/822f50eb-en) |
| [TD1425-R1](https://www.itu.int/md/T22-SG20-240701-TD-GEN-1425/en)(A.1 [TD1424-R2](https://www.itu.int/md/T22-SG20-240701-TD-GEN-1424/en)) | Q3/20 | Recommendation | Y.Fram-ssdp | Requirements and framework of metaverse simulation service for disaster prevention in electric power facilities |  |
| [TD1359](https://www.itu.int/md/T22-SG20-240701-TD-GEN-1359/en)(A.1 [TD1352](https://www.itu.int/md/T22-SG20-240701-TD-GEN-1352/en)) | Q5/20 | Recommendation | Y.CIP | Requirements of metaverse-based emergency response in chemical industrial parks |  |

It was agreed that work items Draft Recommendations [ITU-T Y.ACC-IoTMV](https://www.itu.int/ITU-T/workprog/wp_item.aspx?isn=19599) “Accessibility requirements for metaverse services supporting IoT”, [ITU-T Y.Fram-ssdp](https://www.itu.int/ITU-T/workprog/wp_item.aspx?isn=19614) “Requirements and framework of metaverse simulation service for disaster prevention in electric power facilities” and [ITU-T Y.CIP](https://www.itu.int/ITU-T/workprog/wp_item.aspx?isn=19637) “Requirements of metaverse-based emergency response in chemical industrial parks” will begin their work, while the following work items Draft Recommendations [ITU-T Y.dtmv-reqts](https://www.itu.int/ITU-T/workprog/wp_item.aspx?isn=19590)
“Requirements of integrating virtual and physical worlds through digital twins for the metaverse”, [ITU-T Y.dtmv-ref](https://www.itu.int/ITU-T/workprog/wp_item.aspx?isn=19591) “Reference model of integrating virtual and physical worlds through digital twins for the metaverse” and [ITU-T Y.dtmv-if](https://www.itu.int/ITU-T/workprog/wp_item.aspx?isn=19592) “Interface model and its requirements of integrating virtual and physical worlds through digital twins for the metaverse” will not commence their work until the related ITU FG-MV deliverables will be discussed during the next TSAG meeting to be held on 29 July - 2 August 2024.

ITU-T Study Group 20 looks forward to collaborating with TSAG and other ITU-T Study Groups on this matter.

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