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| D:\usr\campos\TSB-Reference\Logos\ITU\sigleITU.gif | INTERNATIONAL TELECOMMUNICATION UNION  **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2022-2024 | | | | JCA-AHF-487 |
|  |  | | | | **JCA-AHF** |
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| **Question(s):** | | JCA-AHF | | Geneva, 19 July 2023 | |
| **DOCUMENT (Ref**: [**FG-MV-LS5**](https://www.itu.int/net/itu-t/ls/ls.aspx?isn=29352)**)** | | | | | |
| **Source:** | | FG-MV | | | |
| **Title:** | | LS on the progress of ITU-T FG-MV WG8 | | | |
| **Purpose:** | | Information | | | |
| **LIAISON STATEMENT** | | | | | |
| **For action to:** | | | - | | |
| **For information to:** | | | ITU-T JCA-AHF, ITU-T SG5, ITU-T SG9, ITU-T SG16, ITU-T SG20, ITU-R SG6 Working Party 6C | | |
| **Approval:** | | | ITU-T FG-MV meeting (Shanghai, 6 July 2023) | | |
| **Deadline:** | | | N/A | | |
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| **Abstract:** | | This Liaison Statement provides information on the progress of ITU-T FG-MV WG8 Sustainability, Accessibility & Inclusion [to JCA-AHF, ITU-T SG5, ITU-T SG9, ITU-T SG16, ITU-T SG20, ITU-R SG6 Working Party 6C]. | | | |

ITU-T Focus Group on metaverse (ITU-T FG-MV) Working Group 8 – Sustainability, Accessibility & Inclusion (WG8) would like to inform the Joint Coordination Activity on Accessibility and Human Factors (JCA-AHF), ITU-T Study Group 5 (ITU-T SG5), ITU-T Study Group 9 (ITU-T SG9), ITU-T Study Group 16 (ITU-T SG16) and ITU-T Study Group 20 (ITU-T SG20), ITU-R SG6 Working Party 6C, on the progress of the ITU-T FG-MV WG8 made up to the 2nd FG-MV meeting at Shanghai, 4–6 July 2023.

The list of current work items of ITU-T FG-MV WG8 is contained in Annex 1 to this liaison for information.

ITU-T FG-MV WG8 (Task Group on Accessibility & Inclusion) experts would also like to inform JCA-AHF that they would like to participate in the next JCA-AHF meeting in Geneva on 19 July 2023, in orderto continue the collaboration.

ITU-T FG-MV WG8 looks forward to keeping close cooperation with JCA-AHF, ITU-T SG5, ITU-T SG9, ITU-T SG16, ITU-T SG20, and ITU-R SG6 Working Party 6C in the area of sustainable, accessible and inclusive metaverse.

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| **FG/ ​WGs​** | **Subgroup** | **Leadership positions** | **ToR** | **Type** | **Title of deliverable** | **Editors​** |
| **WG 8** | **Sustainability, Accessibility & Inclusion** | Co-chairmen:   * Ms Nevine TEWFIK (Egypt) * Ms Pilar ORERO (UAB, Spain)   Vice-chairmen:   * Mr Manuel BARREIRO (Aston Group, Mexico) * Ms Christina Yan ZHANG (The Metaverse Institute) * Mr Khaled KOUBAA (Medeverse) | * Impact on the climate changes (e.g., Green and low carbon issues, etc.) * Environmental Sustainability related issues * Accessibility related issues * Social considerations * Diversity, equity and inclusion * Circular economy related issues |  |  |  |
| **TG-sustainability** | Chairman:   * Ms Shuguang QI (CAICT, China) | * Use cases, requirements, and technical solutions related to climate changes and environmental sustainability | Technical Specifications | Guidance on green and low carbon development of metaverse | Shuguang QI (CAICT, China) |
| **TG-accessibility & inclusion** | Co-chairmen:   * Ms Paola CECCHI-DIMEGLIO (Harvard University) * Mr Yong Jick LEE (Center for Accessible ICT, Korea (Republic of)) | * Use cases, requirements, and technical solutions related to accessibility | Technical Specifications | Accessibility requirements for metaverse services supporting IoT | Yong Jick LEE (Center for Accessible ICT, Korea (Republic of)) |
| Technical Report | Interpreting in the metaverse | Binhua WANG (University of Leeds) |
| Technical Report | Guidelines to assess inclusion and accessibility in metaverse standards development | Gayoung PARK (The State University of New York, Korea (Republic of))  Neal DREAMSON (The State University of New York, Korea (Republic of)) |
| Technical Specifications | Accessible products and services in the metaverse | Estella ONCINS (UAB, Spain)  Carlo EUGENI (University of Leeds) |
| Technical Report | Accessibility for a Sustainable Metaverse | Sarah Anne MCDONAGH (UAB, Spain) |
| Technical Report | Guidance on how to build a metaverse for all | Christina Yan ZHANG (The Metaverse Institute)  Pilar ORERO (UAB, Spain) |
| Technical Specifications | Use of metaverse as a mitigation strategy for people with cognitive development difficulties in flood regions | Ashwini SATHNUR (Zero Hunger Champion) |
| **TG-design criteria and metrics with incentives for sustainable metaverse** | Chairman:   * Ms Daniela TULONE (CNIT, Italy) |  | Technical Specifications | Requirements and design criteria for sustainable metaverse systems | Daniela TULONE (CNIT, Italy)  Antonio PULIAFITO (CINI, Italy)  Gustavo MARFIA (University of Bologna, Italy) |
| Technical Specifications | Incentive strategies to boost high-impact sustainable metaverse applications | Daniela TULONE (CNIT, Italy)  Antonio PULIAFITO (CINI, Italy)  Gustavo MARFIA (University of Bologna, Italy) |
| Technical Specifications | Metrics and indicators to drive the design of sustainable metaverse applications | Daniela TULONE (CNIT, Italy)  Antonio PULIAFITO (CINI, Italy)  Gustavo MARFIA (University of Bologna, Italy) |
| **TG-metaverse social safety** | Chairman:   * Ms Gabrielle PANTERA (Heroic Robots) |  | Technical Report | Metaverse Social Safety: Mitigating Harassment in the Metaverse | Gabrielle PANTERA (Heroic Robots) |

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