



Comms Services Sub-Group

Comms services subgroup is a subgroup under the Metaverse Ready Network Product Group. This document establishes the purpose and scope of the subgroup. Intellectual property and copyright terms used to develop the materials identified in this Sub-Group follow those defined in the MRN PG charter.

Only Participants that execute this Sub-Group Charter will be bound by its terms and be permitted to participate in this Sub-Group and shall be considered “Contributors” in the Sub-Group as defined in the Telecom Infra Project IPR Policy document.

1. SUB-GROUP NAME

Comms services subgroup

2. PURPOSE

This subgroup aims to define the communication use cases and associated technologies allowing metaverse users to communicate with external networks and platforms.

3. SCOPE

- i. Use case definition
- ii. Connectivity of metaverse users with end user not connected to metaverse but connected to telecom networks
- iii. Support of one number capability offering single identity covering end user metaverse devices and its full device ecosystem (smartphones, watch, tablets etc...).
- iv. Usage of web RTC technology for integrating communication capabilities within metaverse devices portfolio
- v. Usage of IMS data channel allowing enhanced communication capabilities and quality management over telecom networks .
- vi. Support of Holographic calls and technology definition allowing Holographic communication interoperability and interconnectivity.

4. COORDINATION

Coordination with other subgroups within MRN PG and with other TIP PGs, and organizations/SDOs external to TIP is for further study.

5. DELIVERABLES

Deliverable	IPR Treatment	Approval Procedures
Use Case Definition & Tech Requirements Documents Including interface and data model descriptions	Document IPR Policy	Versions by consensus of the PG. Final approval by TC.
One number architectural definition and technical specification for metaverse and end user ecosystem adoption	Document IPR Policy	Versions by consensus of the PG. Final approval by TC. Possible set of PoC among PG members to be agreed within PG
Web RTC endorsement for Metaverse communication	Document IPR Policy	Versions by consensus of the PG. Final approval by TC.
IMS data channel support and enhancement for Metaverse	Document IPR Policy	Versions by consensus of the PG. Final approval by TC.
Holographic metaverse communication and interconnection through Telecom networks	Document IPR Policy	Versions by consensus of the PG. Final approval by TC. Possible set of PoC among PG members to be agreed within PG

6. SUB-GROUP LEADS

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7. Revision history

Version	Date	Revision owner	Notes
v.0.1.0	01/17/2023	Alexandre Harmand. Alexander.harmand @telefonica.com	Initial draft for PG co-chair review
v.0.1.1	01/25/023	Xinli Hou Xinlihou@metacom	Editorial update after PG co-chair review
v.0.2.0	3/9/2023	Xinli Hou	Updated based on TIP leadership comments. Ready for approval
v.1.0.0	3/22/2023	Megan Skinner	Approved by the TC