

AI x Metaverse

Exploratory Group Proposal

1. Proposers

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2. Exploratory Group Scope

We propose to draft a proposed charter for an AI in the Metaverse Domain Working Group (DWG). The DWG will accomplish the goals listed in Section 3 below. In addition, the exploratory group will have additional tasks:

- Recruit AI experts into MSF to join the working group
- Propose a vision statement on AI standards for the metaverse
- Work with SDOs to propose a press release for the launch of the WG/initiative
- Identify/ recruit potential AI working group leaders
- Other operational-related responsibilities of an exploratory group

3. Proposed Working Group Goals (and Non-Goals) and Deliverables

Goals:

- Act as a coordination mechanism among SDOs working on metaverse AI standards
- Recruit AI experts and companies to join MSF
- Survey existing standards, compare them to existing MSF efforts, and produce a gap analysis (including use cases)
- Initiate projects (such as use cases) not being addressed by other working groups (e.g.- AI agents)
- Highlight standards efforts in SDOs
- Produce recommendations, either requested by other MSF working groups or initiated by the AI working group
- Lead the planning of AI-related events, working with MSF PR and event coordinators
- Offer a single ongoing meeting time dedicated to MSF efforts in AI
- Recommend best practices for the use of AI in MSF operations
- Define categories of AI interoperability as necessary

Non-Goals:

- Not defining AI standards.
- Not maintaining training datasets or developing AI engines.
- Not building platform-specific AI implementations.

4. Coordination

SDO Coordination will be essential with:

- ISO/IEC JTC 1/SC 42 (Artificial Intelligence)
- IEEE Standards Association (Ethics, Robotics, AI Interoperability, Spatial Web, Metaverse Standards Committee and P2048 WG)
- W3C Web Machine Learning and Accessibility Initiatives
- Open Geospatial Consortium (OGC)
- AI4People and European AI Alliance
- Open Neural Network Exchange (ONNX)
- UNESCO and OECD AI Policy Observatory
- AGNTCY – Open Agent Schema Framework (OASF) and Agent Connect Protocol (ACP)
- Partnership on AI
- Metaverse Acceleration and Sustainability Association (MASA)
- Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI)

- ETSI Securing AI Committee (ETSI SAI)
- 3GPP RAN4, RAN3 and SA3
- ITU-T
- Virtual World Society (VWS)

A liaison model will be proposed where one or more AI Interoperability Group members regularly attend or contribute to relevant working groups to share insights and align deliverables.

5. Risk Factors

- Fragmentation due to platform-specific AI models and toolkits
- Lack of standard vocabularies or semantic alignment across AI-generated content
- Risk of redundant efforts without clear coordination among Forum working groups
- Privacy and ethical concerns, particularly around autonomous or personalized AI agents
- Limited accessibility support in current AI toolkits

6. Target timeline to create proposed Working Group charter

Expedited timeline. Goal 4 weeks

7. References

<https://docs.google.com/document/d/1sBHpS5ai0JWCn55PmCs9hERSpeN4kcOjaUZbSmvXQQo/edit?tab=t.0>