

# Metaverse Standards Register Domain Working Group Charter

## FINAL

Approved by Oversight Committee September 21, 2022

### 1. Status and change history

3 Aug 2022:	First Draft
24 Aug 2022:	Updated terminology
28 Aug 2022:	Used capitalized ISO 19135 terminology throughout
30 Aug 2022:	Numerous revisions. Added clauses 2.2, 3.5, 6 and 7, edited 4.1.1, 4.1.3
08 Sep 2022:	Offline Christine and Thomas
09 Sep 2022:	Reese Plews updates to terminology (Annex A, review of acronyms), Thomas and Christine reviewed
13 Sep 2022:	Approved by Exploratory WG
14 Sep 2022:	Submitted to Oversight Committee
21 Sep 2022:	Approved by Oversight Committee

### 2. Officers

- 2.1. Chairs Pro Tem (Appointed chairs until first election):
  - [Christine Perey](mailto:cperey@perey.com) <cperey@perey.com>, PEREY Research & Consulting
  - [Dominique Hazaël-Massieux](mailto:dom@W3.org) <dom@W3.org>, W3C
  - [Thomas Stockhammer](mailto:tsto@qti.qualcomm.com) <tsto@qti.qualcomm.com>, Qualcomm Incorporated
- 2.2. Other Officer positions may be created as needed under Forum Domain Working Group Processes.

### 3. Motivations and Goals (and NON-Goals)

The universal [Working Group processes](#) of the Metaverse Standards Forum (MSF), (the Forum) apply, including but not limited to all the relevant values of openness, transparency and inclusion.

The motivations for the creation of a Metaverse Standards Register Domain Working Group (Working Group) include:

- 3.1. Increase broad industry and community visibility into and insights about relevant SDOs and metaverse-related standards activities (completed, ongoing, planned and potential).
- 3.2. Foster collaboration between SDOs to improve interoperability, reduce redundancy and potential confusion.
- 3.3. Provide context to support prioritization of Forum activities, for example, to focus on identified gaps rather than duplication of efforts.
- 3.4. Reduce friction and confusion in communications and increase the ability for SDOs and members of the metaverse community at large to communicate clearly and concisely about components and concepts through a Forum-defined and maintained glossary of terms.
- 3.5. To avoid conflict and competition between the deliverables (clause 4) and SDO roadmaps.

### 4. Project Deliverables and Requirements

See Annex A for definition of capitalized terms as per ISO 19135.

#### 4.1. Metaverse Standards Register

This project will develop the Metaverse Standards Register (MSR), a publicly-accessible, searchable register of all *Standards-related Publications and Projects (SPPs)* relevant to the Metaverse, including but not limited to completed standards, standardization projects, specifications, guidelines, or open source projects. All inputs and feedback will be performed using Web-based tools and processes to ensure accuracy and timely maintenance.

Some key project requirements include:

- 4.1.1. *Pre-qualified organizations or groups (POGs)*, including but not limited to SDOs, shall be identified by the DWG. Each POG shall have at least one designated representative. Designated representatives shall be determined by the DWG members through a consensus-based process and should preferably be endorsed by the POG. Examples for endorsement include an e-mail or letter from the officials of the POG to the DWG chairs. Designated representatives of POGs will serve as proposers.

- 4.1.2. The Working Group shall act collectively as both the control body and the register manager for the Forum. The control body shall be allowed to edit, curate and contextualize register items for consistency.
- 4.1.3. The MSR shall enable public input, suggested corrections and feedback, separately from the submission of register items.
- 4.1.4. Register items in the MSR shall include at least the following fields:
  - 4.1.4.1. Title: title of the SPP (including any reference number)
  - 4.1.4.2. Scope: scope of the SPP
  - 4.1.4.3. Source: originating POG, and whether the POG is a Forum member
  - 4.1.4.4. Maturity: standardization status and development stage
  - 4.1.4.5. Domains: applicability to one or more Forum-defined metaverse domains
  - 4.1.4.6. Implementations: available implementations, such as reference implementations, vendor implementations
  - 4.1.4.7. Usage Rights: link(s) to governing policies
  - 4.1.4.8. Other fields may be mandated as agreed upon by the Working Group
- 4.1.5. SPP register items may include additional optional items agreed upon by the Working Group.
- 4.1.6. SPP register items shall contain metadata describing relationships between SPPs to enable identification of:
  - 4.1.6.1. The need for interoperability across-SPPs and potentially between POGs (seams)
  - 4.1.6.2. The need for new/extended interoperability SPPs (gaps)
- 4.1.7. Register items will be stored as structured data (e.g. in a database) using consistent terminology as defined in the Metaverse Glossary, (the Glossary).
- 4.1.8. Register users will have the ability to submit queries and to visualize results by selected attributes, e.g., type of standardization work, domain of work, addressed interfaces/reference points, etc.
- 4.1.9. The MSR will complement and leverage existing industry landscapes and POG roadmaps wherever possible.

**4.2. Metaverse Glossary**

The Working Group shall develop and maintain the Metaverse Glossary, a managed collection of terms (concepts) and definitions, that will be used in the MSR to describe POGs and SPPs pertinent to Metaverse interoperability. All inputs and feedback will be performed using Web-based tools and processes to ensure accuracy and timely maintenance.

- 4.2.1. The Glossary shall be collaboratively developed and openly published in parallel with the MSR.
- 4.2.2. The Glossary will be a dynamically maintained resource and include terminology entries related to the MSR as well as terminology entries not used directly in the MSR.

**5. Milestone Plan**

Table 1 provides definition and duration of phases in the development of the MSR.

**Table 1 – Definition and duration of Phases in the development of the MSR**

Phase	Description	Milestone	Duration
1	<b><i>Establishment of register management practices</i></b> Finalize register requirements (register specification) and the implementation plan, create governance practices for the usage, submission and moderation of content, define terms and conditions.	Completed detailed project plan and governance documentation. Funding requirements finalized.	3 months

Phase	Description	Milestone	Duration
2	<b><i>Oversight approval and funding/resources secured</i></b>	Oversight Committee votes. Resources committed with terms and conditions	1 month
3	<b><i>Pilot implementation</i></b> Seeding initial register content (subject to resource/funding approval)	Prototype register and glossary circulated to all MSF members for review and feedback	4 months
4	<b><i>Forum member feedback</i></b> Integration of forum member feedback, continue entry of content into the register	Public launch of the register	1 month
5	<b><i>Allow public feedback</i></b> Public feedback	Regular updates to the register	Quarterly

## 6. Coordination

- 6.1. The Working Group shall create and curate a list of POGs, including those that have and have not participated in the MSR, and reach out to explain the purpose of the MSR and request they appoint designated representatives as proposers.
- 6.2. The Working Group shall maintain regular contact with proposers, both Forum members and non-members, to discuss ongoing maintenance and evolution of the MSR.

## 7. Communication Plan

- 7.1. The Working Group officers will provide quarterly updates to the Forum Oversight Committee, Forum membership, coordination partners and public, or when major milestones are achieved.
- 7.2. The Working Group will solicit subject matter experts to present to the Working Group members on register-specific topics.

## 8. Working Group Renewal

Two years from approval of charter, or after two quarterly updates of the MSR, whichever is sooner.

## 9. Project Funding and Resources

Requests for funding and/or resources will be submitted to the Forum Oversight Committee for approval once the detailed project plan is completed in Phase 1.

## Annex A: Terms and Definitions

Based on ISO 19135-1:2015

### 1. General

**control body**

entity consisting of a group of experts that makes decisions regarding the content of a register

Note 1 to entry: The control body supports the register manager for the review, authentication, and approval of the register content. additional terms for register management roles can be added as needed.

**identifier**

linguistically independent sequence of characters capable of uniquely and permanently identifying that with which it is associated

**register**, noun

managed collection of information

Note 1 to entry: The use of the verb form “register” is discouraged when used in conjunction with the noun form “register” to prevent confusion.

**register item**

unit of information in a register with an identifier

**register item class**

set of register items that share specified common characteristics

**register system**

information system on which a register is maintained

**register specification**

documented information describing governance and requirements of the register and its contents

**registration**

process of assigning an identifier to an approved register item

**proposer**

entity authorized by the register owner to propose changes to the content of a register

**register manager**

entity delegated by the register owner to manage a register

**register owner**

entity that has ultimate responsibility of a register

**register system manager**

registry manager

entity delegated by the register owner to manage a register system

**register user**

entity that accesses content from a register through a register system

Note 1 to entry: Register users may have different levels of access to the register according to the register specification.

### 2. Background Concepts

**entity**

organization and other bodies or parties

**standards development organization**

**SDO**

standardizing body recognized at national, regional or international level, that has as a principal function, by virtue of its statutes, the preparation, approval or adoption of standards that are made available to the public



**standard**

deliverable produced through the process of standardization

**standardization**

activity of establishing provisions for common and repeated use aimed at the achievement of objectives in a given context, approved by a recognized body and established by consensus

## **Annex B. Other Terms and Abbreviations**

**Metaverse Standards Register**

**MSR**

publicly-accessible, searchable register of standards-related publications and projects relevant to the Metaverse

EXAMPLE Published standards, standardization projects, specifications, guidelines, open source projects, or other materials can be contained in the MSR.

**pre-qualified organization or group**

**POG**

recognized entity with objectives and/or projects relevant to Metaverse interoperability

**standards-related publications and projects**

**SPP**

standards, specifications and projects (e.g., open source) specific to Metaverse interoperability

**designated representative**

entity appointed or endorsed by the POG (or determined by the DWG members) through a consensus-based process to serve as one of or the only POG's proposer

Note 1 to entry: Forms of endorsement may include an e-mail or letter from the officials of the POG to the DWG chairs.

**Abbreviated terms and symbols**

*these are acronyms, abbreviations and any specific symbols that we may want to use in our documents*

DWG	Domain Working Group
FOC	Forum Oversight Committee
MSF	Metaverse Standards Forum
WG	Working Group