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05/24/2023 Metaverse Standards Forum: Oversight #49

funksoup started this conversation in **Oversight**



funksoup on May 24 Maintainer

edited ▾

Metaverse Standards Forum: Oversight

Wednesday, 24 May 2023 from 21:00-22:30 EST (01:00-02:30 UTC)

Agenda:

- Membership transition update
- Board of Directors update and upcoming elections
- Industrial Metaverse and the Forum (Nokia)
- Outreach update and upcoming opportunities
- Exploratory Group Brainstorming
- Domain Subgroup process discussion
- Domain Group Coordination discussion
- GLTF physics

--> [Google slides](#)<--

--> [Slides as PDF](#)<--

Agenda

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4 comments · 1 reply

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funksoup on May 24

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Membership transition period has started.

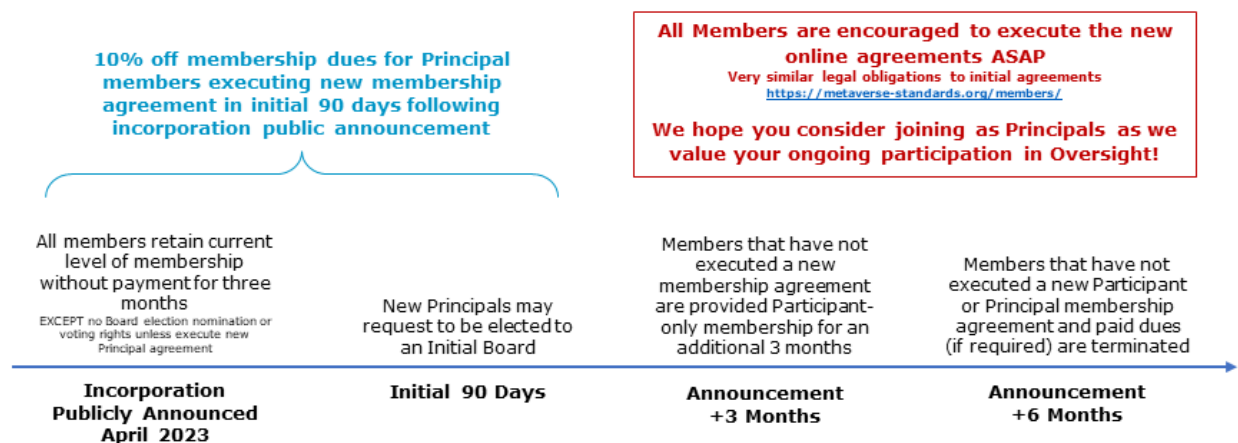
- Six-month transition period for all members to execute updated membership agreement
- All Members are encouraged to execute the new online agreements ASAP:
 - Very similar legal obligations to initial agreements
 - <https://metaverse-standards.org/members/>

Deadlines to note:

- Sign the new membership agreement by **October 2023**
- HOWEVER, if we want to nominate someone from our community to the MSF board, then we need to sign the new membership agreement asap and complete the nomination form by **June 24, 2023** (see slide below on board election)

Membership Transition Period Has Started

- Six-month transition period for all members to execute updated membership agreement
 - For agreement terms consistency between all members



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Transition Progress After One Month

- Participants: 55
- Principals: 16 (3 designated as COPPs)

New Principal Members will be Prominently featured in outreach materials after transition period

| Processed Principals |
|--|
| CableLabs |
| Cesium |
| Cloudonix, Inc. |
| Cognitum |
| ESG Gaming |
| Groovesetter |
| Korea Advanced Institute of Science and Technology |
| Lamina1 |
| PEREY Research & Consulting |
| Portable Kingdom Limited |
| Rebel Visions Corporation |
| Responsible Metaverse Alliance |
| Spatial Web Foundation |
| SumSet Tech |
| VerseMaker |
| Web3 Earth |

| Invoiced |
|--|
| AMD |
| Berkeley Synthetic |
| Huawei |
| Nokia (should hit our l |
| Qualcomm |
| Sony |
| Tencent |
| Pending: application approved / no signed agreement yet |
| CAICT |
| Cognitive 3D |
| Earniverse |
| Epic Games |
| LG Electronics |
| Samsung |
| Synaptic Black Limited |

The Forum will post of execution status of new agreements on the Portal

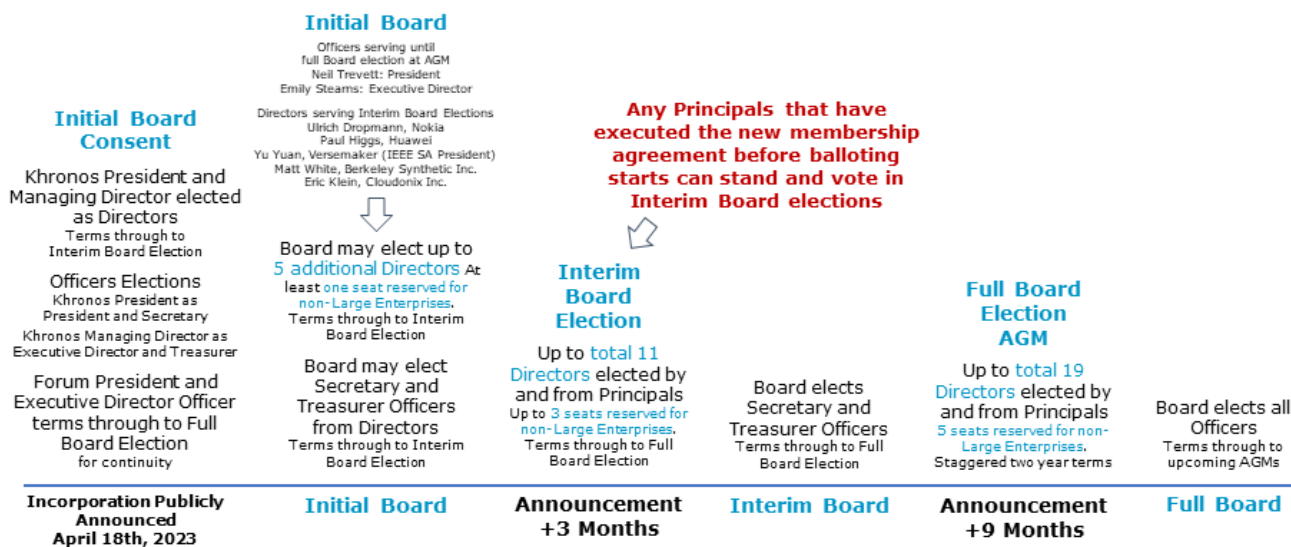


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Post-Incorporation Board Timeline



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Interim Board Nominations Opening Today!

- Any Principal Member may nominate a Director to stand for Board election
 - Must have fully executed the new membership agreement with payment or PO before balloting starts
- Expectations for Directors
 - Board members are actively involved in mission-based leadership and strategic governance
 - Willing to attend monthly board meetings
 - Member company must participate in at least one Forum Domain Group
- Examples of relevant background for Nominees
 - Previous leadership and/or Board positions
 - Experience with collaborative, member-based organizations (e.g., SDOs, non-profits, open-source groups)
 - Knowledge and experience of Metaverse technologies and related industries
 - Diversity of age, gender, ethnicity, race, disabilities, geography
 - Relevant skillset including finance, legal, government affairs, public relations, community experience etc.
 - Involvement with Forum activities



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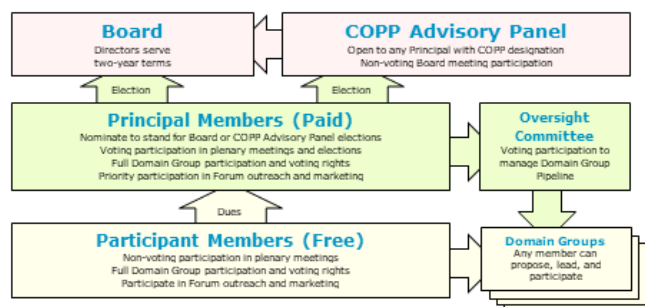
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Board nomination info:

Interim Board Nominations | Nominations

- Election Format
 - Up to total 11 Directors elected by and from Principal members
 - Up to 3 seats reserved for non-Large Enterprises
- Process
 - Those interested in nominating themselves must complete an online application
 - Details and Application will be emailed to the General Membership shortly!
 - Must be a Principal Member (with updated agreement) to nominate and vote
- Term
 - July - January 2024
- Deadline to Nominate
 - June 24th



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Nokia Presentation on Industrial Metaverse and the Forum



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Nokia gave a presentation that focused on the *industrial* metaverse:

- [Slide deck](#)
- [Recording of Nokia's presentation](#)

(No decisions or actions steps needed; just something to be aware of i.e., growth of industrial focus and how MSF can be involved)

The detailed roadmap is very interesting (slide 7):

| Metaverse platform deployment roadmap | | Pre-Metaverse 2020-2024 | Industry & Enterprise Metaverse – 2024+ | Consumer Metaverse 2026+ | Universal Metaverse 2030+ |
|---------------------------------------|---|--|---|---|---|
| Experience |  | Basic maintenance and remote applications | Digital-Twin augmented applications | Cross-Domain applications | Universal Metaverse – devices and services proliferation. |
| |  | VR Gaming and static AR services | Immersive real-time AR communications services | Seamless MR services in mobility | |
| |  | Bulky form factor | Bearable form factor | Light and Disruptive form factors | Seamless human experience |
| |  | Physical controls, Hands/Eyes tracking | Multi-sensors interface, possibly with haptics | | |
| Infrastructure |  | 5G, 25G PON, Wi-Fi 5/6 | 5G-NPNs, 25/50G PON, Wi-Fi 6/7 | 5GA, 50G PON, Wi-Fi 6/7, L4S | 5GA/6G, 100G PON, Wi-Fi 7/8, L4S |
| Network reqs. |  | Centralised clouds, some hw acceleration (incl GPUs) | Enterprise edge with GPUs and other hw acceleration | Metro edge with GPU and other hw acceleration | Mix of far and metro edge, cloud aware networks |
| |  | 5-10 Mb/s 50-125ms latency | 10-25Mb/s Up to 30ms latency | 25-100Mb/s Up to 50ms latency | More than 100Mb/s Less than 30ms latency |
| Offload vs Local |  | Local device offload (PC, smartphone) | Local edge server offload (on-prem cloud) | Metro edge offload (hyperscalers) | Local capabilities + dynamic offload (from local to far edge) |
| |  | A/V encode/decode (HW) | XR specific hardware acceleration | | |
| Digital-Twin |  | Siloed digital twins (IoT focused) | Federation of small twins, Geospatial and NDT | Fully federated twins with semantic support | Fully digitalized world |
| Immersion | VR | 17 PPD, 80% of FOV | 40 PPD, 80% of FOV | | 60+ PPD, 80% of FOV |
| | AR | 30% of FOV | 45% of FOV | | 60% of FOV |
| Content Complexity |  | Same as low-end games , real world capture | Same as AAA games, medium vertex density with partial ray-tracing | | Photorealistic, high vertex density, full ray tracing |

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FOV: Field of View, PPD: Pixel per Degree

NOKIA



funksoup on May 24

Maintainer

Author

Exploratory Group Brainstorming

- Five [Exploratory Group Brainstorming Notices](#) and invitation for additional sponsors
 - Ownership and Identity in the Metaverse
 - Accessibility in the Metaverse
 - Best Practices for Living and Working in the Metaverse
 - Academia and Research
 - Ethical principles for the metaverse and their implementation
- Comments and upvotes/downvotes in spreadsheet are welcome
 - Encouraging uploading of Exploratory Group draft proposals for more detailed feedback

| Exploratory Group Brainstorming | | | | |
|---|--|---------------------------|---------|--------|
| Topic | Lead | Co-Lead | Members | Status |
| Ownership and Identity in the Metaverse | BRANDSTORMING / IDEAS ADDITIONAL PROPOSERS | Michael Hines, William... | 11 | 12 |
| Accessibility in the Metaverse | BRANDSTORMING / IDEAS ADDITIONAL PROPOSERS | Michael Hines, William... | 11 | 12 |
| Best Practices for Living and Working in the Metaverse | BRANDSTORMING / IDEAS ADDITIONAL PROPOSERS | Michael Hines, William... | 11 | 12 |
| Academia and Research | BRANDSTORMING / IDEAS ADDITIONAL PROPOSERS | Michael Hines, William... | 11 | 12 |
| Ethical principles for the metaverse and their implementation | BRANDSTORMING / IDEAS ADDITIONAL PROPOSERS | Michael Hines, William... | 11 | 12 |

| Best Practices for Living and Working in the Metaverse | | | | |
|--|-----------------------------|----|----|--|
| BRANDSTORMING / IDEAS ADDITIONAL PROPOSERS | David Hines, David Hines... | 11 | 12 | |
| BRANDSTORMING / IDEAS ADDITIONAL PROPOSERS | David Hines, David Hines... | 11 | 12 | |
| BRANDSTORMING / IDEAS ADDITIONAL PROPOSERS | David Hines, David Hines... | 11 | 12 | |
| BRANDSTORMING / IDEAS ADDITIONAL PROPOSERS | David Hines, David Hines... | 11 | 12 | |

Media & Analyst Updates

- Articles and video interviews have published including updates on the Forum


[Vision of the Future of the Metaverse](#)

[Uniting the Global XR Industry with The Metaverse Standards Forum - XR Today](#)

[How To Build A Responsible Metaverse: Responsibility and Ethics in the Metaverse - XR Today](#)
[Tech Snippets Today – Metaverse Standards Forum with Joseph Raczynski](#)

- The Forum has just completed an analyst tour sharing Forum updates and status

- 451 Group, IDTechX, ABI Research, Forrester, Gartner, Creative Strategies, Analysis Mason, InfoTech and more

The Forum was one of 10 projects honored by [Fast Company](#) in the 2023 World Changing Ideas Awards, Experimental Category



Outreach Update – AWE



- [AWE - Augmented World Expo US](#), Santa Clara, May 31-Jun 2
- The Forum is presenting a 'Challenges and Progress of Building the Open Metaverse' Panel
 - Moderated by Anshel Sag, Moor Insights & Strategy
 - 1:00-1:50 on June 1
- Khronos is hosting [Khronos Developer Forum Days](#) - Khronos Meeting Room #203
 - 3 days of interactive sessions on Khronos standards, tutorials on OpenXR, glTF, 3D Commerce
 - Any AWE attendee is welcome to join
 - 20% discount code on AWE registration - AWESPEX23
- Khronos has donated a space for the Forum to host a 'Birds of a Feather' session - May 31 at 11 AM
 - All Forum members are invited to join to meet and mingle with other members, press, and the AWE community
 - Followed by a Metatr@versal demonstration session of travelling between WebXR spaces



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Outreach Update – SIGGRAPH



- [SIGGRAPH 2023](#), Los Angeles, August 6-10
- Submitting a Metaverse Standards Forum BOF proposal
 - Update on Forum activities including updates on physics, materials, and glTF/USD tools
- Forum wishes to promote / support any member COPP activities
 - ASWF Open-Source Days
 - Khronos BOF Day, Wednesday, August 9 (JW Marriott LA Live) (room for 250 people)
- Suggesting a Wednesday evening networking/social reception hosted by Forum and Khronos
 - Preceded by a Metaverse Standards Forum Panel of interested member COPPs
 - Khronos, ASWF, Linux Foundation, OGC...
- All member COPPs
 - Let us know how can we support / promote your SIGGRAPH activities
 - Let us know if you wish to participate in the Forum BOF or Panel
- All members
 - Let us know if you are interested in sponsoring and/or demos tables at the Wednesday reception
 - Sponsorship details available soon
- Please reach out to alex@castercomm.com



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Outreach Update - Other Upcoming Events

- Confirmed speaker from the Forum at [The 10th FOKUS Media Web Symposium](#) - June 13-14, in Berlin
 - High-level talk on the Forum and its mission and participation on Metaverse standardization panel
- Submitted opportunities at Economist Metaverse Summit, Autodesk University, and WebSummit
- Upcoming opportunities for submissions:
 - Web3D Conference - October 9-12 in San Sebastian, Spain
 - Offering space to Metaverse Standards Forum for a half day session on Metaverse or to have a Forum meetup
 - Members are also invited to present papers - the deadline to submit is June 15.
 - [NetworkX](#) - October 24-26 in Paris
 - Network X is combining 5G World, Broadband World Forum and the newly launched Telco Cloud to bring together fixed and mobile markets
 - Call for speakers is open - [link is here](#)
 - Possible Speaking Opportunity for the Networking Domain group - potential member meet up in process
 - [FYUZ](#) - October 9-11 in Madrid, Spain
 - Key Topics include: Open RAN, OpenWifi, Open Optical & Packet Transport, Metaverse-Ready Networks
 - Call for speakers is open - [link is here](#)
 - Possible Speaking Opportunity for the Networking Domain group
- Members interested in any of these events should email alex@castercomm.com



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1 reply


JoyceBettencourt 3 weeks ago Collaborator

After the June 14th OMI meeting, several of us (@funksoup @aaronfranke @indiebio and myself) discussed the impending deadline to refile OMI's application to MSF now they are incorporated and going through the process of getting principal dues waived.



1


funksoup 3 weeks ago Maintainer Author

edited ▼

I (@funksoup) asked to add an item to the agenda concerning GLTF physics (via @aaronfranke) as described in this [GLTF Physics Standard page](#). (Special thanks to IndieBio for the table creation).

We displayed the table and talked through differences between the two competing standards, highlighting details such as the differences between body category and materials definition. We got a great response from the MSF audience at the meeting, and we were encouraged to ping the larger email list to get more feedback.

(Short link to the page, for easier sharing: <https://bit.ly/gltfstandard>)



1

0 replies

Category



Oversight

Labels

2 participants

