Report from the TC39 Secretariat

Samina Husain

Aki Rose Braun

2025-09-22

110th TC39 Virtual Meeting: New Orleans

Overview

- Approvals for GA December

- New TC 5x

- JSON Schema Discussion

- Collaboration

- Invited Experts

Drafts for Approval: TC54

- Review of ECMA-424, 2nd Edition (CycloneDX v1.7)

- Package-URL (PURL), 1st Edition

- Common Lifecycle Enumeration (CLE), 1st Edition

New TC: Standardization of the High-Level Shading Language (HLSL)

Scope:

Standardization of the High-Level Shading Language (HLSL) as a cross platform and vendor-neutral programming language for data-parallel programming. This includes language syntax, semantics, libraries, and complementary technologies that support the language. This work will be chartered under the Ecma Royalty-Free Patent Policy.

Program of work:

- To develop the HLSL language standard and standard libraries for HLSL.

- Upon completion of item 1, to investigate the future direction of the HLSL language standard.

- To evaluate and consider proposals for future language and library features.

- To develop test suites to verify the correct implementation of standards produced by this task group.

- To establish and maintain liaison with appropriate other Ecma TCs and TGs, and with other standards bodies, industry consortiums, and developer communities including, but not limited to, ISO/IEC JTC1/SC22, The Khronos Group, and The LLVM Project.

Contacts:

Chair: Chris Bieneman (Microsoft), Vice-Chair: Farzon Lotfi (Microsoft)

Secretary: TBD and Samina Husain (Ecma International)

Supporting members:

- *Microsoft, Meta, Google, Apple, Sony*

- *University of California Santa Cruz*

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Discussion Status

- Ongoing with JSON Schema community on Slack

- Ongoing with all contributors to receive their agreement of Ecma IPR

- Ecma with IETF to align with the needs of the JSON Schema community

W3C: Horizontal Review

- Accessible Platform Architectures Working Group

- Internationalization Working Group *(TG2 engage I18N)*

- Privacy Interest Group

- Technical Architecture Group

IETF Liaison

- Active in both Ecma TC39 and IETF *(Richard Gibson)*

- Both organizations are aware of each other's work and can align when needed.

- Help to avoid misunderstandings and maintain and open communication.

- Provide TC39 committee a short update re IETF during each plenary.

- Share information to IETF regarding work at TC39, as needed.

FOSDEM 2026 – *to be considered*

- Ecma session?

- TC54, TC39, other ideas?

- *Aki Braun*
- *Alexander Krasnoyarov*
- *Armin Ronacher*
- *Arpad Borsos*
- *Bradley Farias*
- *Holger Benl*

- *Mark Cohen*
- *Michael Saboff*
- *Milo Mighdoll*
- *Ron Buckton*
- *Ruben Bridgewater*
- *Sergey Rubanov*
- *Shay Lewis*
- *Sukyoung Ryu*
- *Waldemar Horwat*
- *Zibi Braniecki*

- *Axel Rauschmayer*
- *Boshen Chen*
- *Bron Gondwana*
- *Dan Gohman*
- *Devin Rousso*
- *Eli Grey*
- *Even Stensberg*
- *J. S. Choi*
- *Jihyeok Park*
- *Jonas Kruckenberg*
- *Josh Goldberg*
- *Jùnliàng Huáng*
- *Louis-Aimé de Fouquières*
- *HE Shi-Jun*
- *Justin Grant*
- *Luca Forstner*
- *Oliver Medhurst*

- *Andreas Rossberg*
- *Ashley Williams*
- *Bert Belder*
- *Henry Zhu*
- *Ilias Tsangaris*
- *Jamie Kyle*
- *Kristen Hewell Garrett*
- *Lyza Gardner*
- *Mike Pennisi*
- *Preston Sego*
- *Seungmin An*
- *Sven Sauleau*
- *Tom Van Cutsem*

Annex slides:

- Code of Conduct
- Invited Expert
- List of latest relevant Ecma TC39 and GA documents
- Next TC39, GA and ExeCom meeting dates

To ensure a fair and balanced standards process, to avoid communication issues and unhappiness, and to promote inclusiveness.

This Code of Conduct is enforced within all spaces managed by TC39. This includes chat rooms and forums moderated by TC39, issue trackers on projects hosted by TC39, and TC39 events and meetings.

We are a community of professionals, and we conduct ourselves professionally. Be kind to others. Do not insult or put down other participants. Harassment and other exclusionary behavior are not acceptable.

- Be respectful

- Be friendly and patient

- Be inclusive

- Be considerate

- Be careful in the words that you choose

When we disagree, try to understand why

- *Ecma Invited Experts shall be a very small number of experts, who are needed to complete the Ecma work and whose contributions are regarded as exceptionally important. They participate free of charge in the work of a TC (including face-to-face meetings) on invitation by Ecma in an Ecma TC and may contribute to an Ecma standard.*

- *With Ecma Invited Experts there is no intention whatsoever to introduce a non-paying individual membership category. Therefore, Invited Experts in Ecma work should be regarded as exceptional and rare. It is encouraged that instead of Invited Experts the company / organization with whom the invited expert is affiliated with (if he has such relationship) becomes Ecma Member itself.*

From Ecma Rules 6.2.6

- *Individuals can participate in the work of a TC as invited experts. They participate only at the invitation of the SG at the request of the TC. They have no voting rights. Invited experts shall comply with the Ecma policies and sign the appropriate form before participating. The invitation to participate may be withdrawn by the SG at any time.*

(As a reminder….)

- GA documents provide general Ecma information (policy matters, activities of other TCs, liaison with other SDOs, etc.).

- GA documents are not automatically available to TC39 members. Ask your GA Representative for copy.

- Ecma TC39 documents are the official Ecma TC39 documentation within Ecma (both for long-term archival and as information to other Ecma TC and GA members).

- These are linked to Ecma (includes new Ecma members in TC39, status of ES20xx approval in Ecma etc.).

There are overlaps to what is also available on TC39 GitHub

- Ecma/TC39/2025/029 — Report from the TC39 Secretariat, July 2025
- Ecma/TC39/2025/030 — Preparing Summary and Conclusions by Samina Husain and Aki Rose Braun
- Ecma/TC39/2025/031 — Responses to the Ecma Contribution License Agreement (CLA), 18 July 2025
- Ecma/TC39/2025/032 — Ecma International external liaison report for 2024–2025, prepared for the ISO/IEC JTC 1/SC 22 plenary
- Ecma/TC39/2025/033 (Rev. 1) — Slides and technical notes for the 109th TC39 virtual meeting, July 2025
- Ecma/TC39/2025/034 — Minutes of the 109th TC39 virtual meeting, July 2025

- Ecma/GA/2025/099   Minutes of the TC54 teleconference of 3 July 2025

- Ecma/GA/2025/100   Minutes of the 133rd meeting of TC20, Augsburg, 10-11 July 2025

- Ecma/GA/2025/101   TC26 update to the GA

- Ecma/GA/2025/102   Minutes of the TC56 teleconference of 15 July 2025

- Ecma/GA/2025/103   Minutes of the TC55 teleconference of 24 July 2025

- Ecma/GA/2025/104   Ecma International external liaison report for 2024–2025, prepared for the ISO/IEC JTC 1/SC 22 plenary

- Ecma/GA/2025/105   Ecma liaison report to ISO/IEC JTC 1/SC 34 plenary, September 2025

- Ecma/GA/2025/106   Minutes of the TC55 teleconference of 7 August 2025

- Ecma/GA/2025/107   Agenda for the TC49 teleconference of 11 September 2025

- Ecma/GA/2025/108   Minutes of the TC49 teleconference of 11 September 2025 (to be posted asap)

- Ecma/GA/2025/109   Minutes of the 109th TC39 virtual meeting, July 2025

- Ecma/GA/2025/110   Agenda for the 140th meeting of TC31, Tokyo, September 2025

- Ecma/GA/2025/111   Agenda for the 49th meeting of TC51, Tokyo, 25 September 2025

- Ecma/GA/2025/112   Minutes of the TC54 teleconference of 24 July 2025

- Ecma/GA/2025/113   Minutes of the TC53 teleconference of 20 August 2025

- Ecma/GA/2025/114   Minutes of the TC54 teleconference of 21 August 2025

Num	First Day	First Day	Last Day	Days	Location	Time Zone	Host
111th	Tue	2025-11-18	2025-11-20	3	Tokyo, Japan	JST	Bloomberg

- *Meeting schedule and hosts for 2026* **TDB**

- *6 or 5 meetings per-year?*

- *3 remote or 2 remote, 3 hybrid (one US, one Europe, one Asia)?*

- *6 meetings per-year*

- *3 remote, 3 hybrid (one US, one Europe, one Asia)*

- *Remote meetings are up to four days
  ...and sometimes we rejoice when we can end early and claim a day back*

- *In-person meetings are three days
  ...to permit Monday/Friday as travel days*

General Assembly:

- **GA 130**:   **10-11**   **December 2025** *(Hong Kong, Host Huawei)*
- **GA 131:**   **29-30**   **June 2026** *(Geneva, Switzerland)*
- **GA 132**:   **8-9**   **December 2026** *(TBD)*

ExeCom:

- **7-8**   **October 2025**, *(Geneva, Switzerland)*
- **22-23**   **April 2026**, *(Geneva, Switzerland)*
- **7-8**   **October 2026**, *(Geneva, Switzerland)*

Starting at 09:00. TC Chairs are invited to report on their activities.

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Thank you