

Report from the TC39 Secretariat

Samina Husain

Aki Rose Braun

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Remote

Overview

- New projects
 - TC55, TC56 and HLSL
- W3C
 - Horizontal review
- TC39-TG4 Source maps
- 2025 Confirmation
 - Chair, Editors, TG convenors
- IETF liaison
- Invited Experts

Annex slides:

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

November 2024 (From NodeConf EU 2024 – The OpenJS Foundation)

Celebrating Innovation and Impact: JavaScript Landia Community Awards

- Pathfinder for Security

Chris de Almeida is an active participant across the OpenJS Foundation, from the Cross Project Council to Standards to Security. He is being awarded for his work in Security Collaboration Space, where he helped shape many of the guidance. Chris always rolls up his sleeves and does the work with a positive spirit. He also worked to support the jQuery Core team on security. Chris is TC39-TG3: Security Co-Chair, the TC39 co-chair and also the TC39 delegate for IBM.

- Pathfinder for Standards

Samina Husain is Secretary General for Ecma International, the standards setting organization responsible for the ECMAScript specification, the standard for JavaScript. In nearly 2 years in her role, Samina has brought energy and professionalism to the role, which helps fuel greater efficiencies and drives participation. The OpenJS Standards Collaboration Space nominated and selected Samina for this award.

Web-interoperable server runtimes

Scope:

To define, refine, and standardize a “minimum common API” surface, along with a verifiable definition of compliance to that API, that is useful for improving interoperability across multiple ECMAScript environments which expand beyond web browsers, specifically web servers. The minimum common API does not replace or modify existing standards; all development efforts on other standards are carried out within their respective associated standards body.

In addition, TC55 may standardize new APIs that do not overlap with existing web platform APIs, specifically for capabilities that are relevant to server and server-like ECMAScript environments (such as general purpose web servers), such as interactions with host environments, e.g., command-line arguments and environment variables.

To aid in achieving these objectives, TC55 operates under the Royalty-Free Patent Policy.

Contacts:

Chair group: Luca Casonato (Deno Land), Oliver Medhurst

Natural language interaction protocol for communication with Artificial Intelligence (AI) agents

Scope:

- The TC specifies a common protocol, framework and interfaces for interactions between AI agents using natural language while supporting multiple modalities.
- The framework for communication will include non-AI systems (e.g. clients on phones or hand-held devices without access to Large Language Models (LLMs)) talking to AI-agents (using generative AI, LLMs or traditional AI models), as well as interaction between two or more AI agents.
- The framework will specify conventions and best practices for end-points to enable secure and efficient implementations of the protocol.

To aid in achieving these objective, TC56 operates under the [Royalty-Free Patent Policy](#).

Programme of work:

1. To develop and maintain Standards and Technical Reports for a protocol for inter-agent communication.
2. To develop and maintain best practices for end-point implementations of the protocol.
3. To monitor related standardization activities to avoid duplication, to promote synergies and to promote complementary efforts via internal and external liaisons with – and contribute to – the work of international SDOs.

Contacts:

Chair: Dinesh Verma (IBM) and Vice-Chair: Elisa Bertino (Purdue University)

Secretary: Luyi Xing (Indiana University) and Samina Husain (Ecma International)

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 intends not to use patents or if so, then only royalty free patents. To aid in achieving that objective, this TC is using the Royalty-Free Patent Policy.

Programme of work:

1. To develop the HLSL language standard and standard libraries for HLSL.
2. Upon completion of item 1, to investigate the future direction of the HLSL language standard.
3. To evaluate and consider proposals for future language and library features.
4. To develop test suites to verify the correct implementation of standards produced by this task group.
5. 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)

The objective of horizontal review is the early identification and resolution of issues in order to make sure W3C specifications are robust in terms of accessibility, internationalization, privacy, security, and technical architecture.

The Horizontal Review Groups:

- Accessible Platform Architectures Working Group
- Internationalization Working Group
- Privacy Interest Group
- Technical Architecture Group

GA Approval

- TC39-TG4 Source maps

TC39 and IETF liaison:

- Status
- TC39 liaison representative to IETF

Invited Experts

- Review

ExeCom Nominations

Chair group:

- Chris de Almeida (**IBM**)
- Rob Palmer (**Bloomberg**)
- Ujjwal Sharma (**Igalia**)

Editors:

ECMA-262

- Kevin Gibbons (**F5Networks**)
- Shu-yu Guo (**Google**)
- Michael Ficarra (**F5Networks**)

ECMA-402

- Richard Gibson (**Agoric**)
- Ujjwal Sharma (**Igalia**)

ECMA-404 (JSON)

- Chip Morningstar (**Invited Expert**)

Annex

- *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.*

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

Recommendations:

- “Summary and Conclusion” of each contribution at the plenary meeting should be included both in the Minutes of the TC39 meeting and in the Technical Notes. It is needed for accurate meeting Minutes.
- *It is also convenient for all to see the key points and next steps as agreed by the committee during the plenary meeting.*
- Ideally the “Summary and Conclusion” text should be completed at the plenary with the support of the contributor and agreement of the committee.

(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).
- It is linked to TC39 as an Ecma TC (includes new formal Ecma members in TC39, status of ES20xx approval in Ecma etc.)

There are overlaps to what is also available on TC39 GitHub

- Ecma/TC39/2024/043 Responses to the Ecma Contribution License Agreement (CLA), 8 October 2024
- Ecma/TC39/2024/044 Slides and technical notes for the 104th TC39 meeting, October 2024 (Rev. 2)
- Ecma/TC39/2024/045 Final draft Standard "Source map" 1st edition
- Ecma/TC39/2024/046 Opt-out review period announcement for draft Standard "Source map" 1st edition
- Ecma/TC39/2024/047 TC39 chair group's report to the ExeCom, October 2024
- Ecma/TC39/2024/048 Venue for the 105th TC39 virtual meeting, December 2024
- Ecma/TC39/2024/049 Agenda for the 105th TC39 virtual meeting, December 2024 (Rev. 1)
- Ecma/TC39/2024/050 Minutes of the 104th TC39 meeting, Tokyo, October 2024
- Ecma/TC39/2024/051 Responses to the Ecma Contribution License Agreement (CLA), 29 November 2024

- Ecma/GA/2024/135
2024 (Rev. 2) Final drafts planned to be submitted to the 128th General Assembly, December
- Ecma/GA/2024/139 Final draft Standard "Source map" 1st edition
- Ecma/GA/2024/140
edition Opt-out review period announcement for draft Standard "Source map" 1st
- Ecma/GA/2024/141 Application of Cloudflare for Associate membership
- Ecma/GA/2024/147 Officers for 2025
- Ecma/GA/2024/154 Agenda for the 128th General Assembly, New York, December 2024
- Ecma/GA/2024/155 Proxy form and voting Intentions for the 128th General Assembly, New York, December 2024
- Ecma/GA/2024/156
yet) Minutes of the ExeCom meeting, Geneva, 22-23 October 2024 (not available
- Ecma/GA/2024/157 New proposal for TC56
- Ecma/GA/2024/159 New TC55 working model (Updated)
- Ecma/GA/2024/160 New proposal for TC55 (Updated)
- Ecma/GA/2024/162 Minutes of the 104th TC39 meeting, Tokyo, October 2024

TC39 Plenary schedule 2025

Num	First Day	First Day	Last Day	Days	Location	Time Zone	Host
106th	Tue	2025-02-18	2025-02-20	3	Seattle, US	PST	F5
107th	Mon	2025-04-14	2025-04-17	4	Remote "Miami"	EDT	n/a
108th	Tue	2025-05-28	2025-05-30	3	A Coruña, Spain	CEST	Igalia
109th	Mon	2025-07-28	2025-07-31	4	Remote "Beaverton"	PDT	n/a
110th	Mon	2025-09-22	2025-09-25	4	Remote "New Orleans"	CDT	n/a
111th	Tue	2025-11-18	2025-11-20	3	Tokyo, Japan	JST	Bloomberg

- 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 128: 11-12 December 2024 (NYC, USA)***
 - **Host Bloomberg**
- ***GA 129: 25-26 June 2025 (Geneva, Switzerland)***
- ***GA 130: 10-11 December 2025 (Hong Kong, TBD)***

ExeCom:

- ***9-10 April 2025, (Geneva, Switzerland)***
- ***8-9 October 2025, (Geneva, Switzerland)***

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

Thank you