Report from the TC39 Secretariat

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Aki Rose Braun

2024-07-29

- *Thank you to Istvan for your many years of efforts supporting TC39.*

Thank you for your continued guidance and support to TC39 TG5.

- *Welcome to Aki as TC39 co-Secretary.*

Thank you for your efforts with investigating and implementing a solution for the ES2024 PDF.

Overview

- Ecma approval 2024

- New projects and members

- GA Presentations

Annex slides:

- Invited Expert

- Code of Conduct

- List of latest relevant Ecma TC39 and GA documents

- Next TC39, GA and ExeCom meeting dates* *22-23 October 2024, (Geneva)*

Congratulations

ECMA-262 15th edition – ECMAScript® 2024 Language Specification

- Approved at GA 26-27 June 2024

ECMA-402 11th edition – ECMAScript® 2024 Internationalization API specification

- Approved at GA 26-27 June 2024

ECMA-424 on CycloneDX Bill of Materials   *Approved at GA 26-27 June 2024*

- *CycloneDX is a Bill of Materials specification intended to be shared with others in the supply chain*

- *CycloneDX is protocol agnostic and supports a number of external references to other artifacts, which themselves may be shared in the supply chain*

- *The Transparency Exchange API is designed to specify how supply chain artifacts, such as CycloneDX, are shared*

TC54 Software and system transparency (Cyclone/DX)

- *Meetings: OWASP CycloneDX: YouTube*
  https://www.youtube.com/channel/UCcUKDc0izYoyQKdzAsraoUQ

- *Agenda: https://github.com/Ecma-TC54/meetings/tree/main/2024*

TC54 TG1: Transparency exchange API

TC54-TG1 - Ecma International (ecma-international.org)

TC54 TG2: Package URL

Standardization of Package URL (PURL)

TC54-TG2 - Ecma International (ecma-international.org)

Ecma TC55: Web-interoperable server runtimes

To define a set of APIs (Application Programming Interfaces) which serves as a common base for ECMAScript® web server environments. This "minimum common API" will consist of a selection of interfaces exposed in web browsers, specified in other web standards, in certain cases selecting a particular subset of web-exposed behaviour.

This definition will be based on the work of the W3C Web-interoperable Runtimes Community Group. To aid in achieving that objective, this TC operates under the Royalty-Free Patent Policy. Ecma TC55 may be informally referred to as "WinterTC".

Programme of work

- *Standardize and maintain a minimum common API consisting of a set of standard interfaces, starting from web standards, forming a common base which is supported by "minimum common API-compliant" web server environments, primarily targeted at ECMAScript® web server runtimes.*

- *Work with other technical committees and community groups, especially the W3C WinterCG and Ecma TC39, as well as standards bodies such as W3C and WHATWG.*

Contacts:

- *Chair: Luca Casonato (Deno)*

- *Vice-Chair: Daniel Ehrenberg (Bloomberg)*

Welcome new members:

- *Replay.io (SPC)*
- *HeroDevs (SME)*
- *Sentry (Functional Software) (AM)**
- *JetBrains*

General Assembly (GA):

• Shane Carr presented the activities of TC39 TG2

• Mikhail Barash presented the activities of TC39 TG5

GA Feedback:

• *Positive and Informative*

• *Details as presented would also be appreciated in future TC39 Chair's report*

Annex

PDF Reactor

- *Offers Java-based GUI*
- *Slow. Takes overnight to parse HTML and generate PDF*

Prince

- *command-line program*
- *Offers a book-specific version that has some extra features*
- *Fast. Impressively spec-compliant*

Antennahouse

- *Awkward interface*

Weasyprint

- *Lacks some important CSS Paged Media compliance features*
- *Slow for documents the size we produce*
- *Written in Python*

Paged.js

- *Still has some bugs and gaps in support the result in quite a bit of manual layout every year*

pdfChip

- *Dose not support CSS paged media*

Typeset.sh

- *Still too new to rely on*

- *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/TC39/2024/026   Report from the TC39 Secretariat, June 2024

- Ecma/TC39/2024/027   Responses to the Ecma Contribution License Agreement (CLA), 11 June 2024

- Ecma/TC39/2024/028   Ecma International external liaison report for 2023–2024, prepared for the ISO/IEC JTC 1/SC 22 plenary

- Ecma/TC39/2024/029   TC39 RF TC form signed by JetBrains

- Ecma/TC39/2024/030   TC39 RF TC form signed by University of Turku

- Ecma/TC39/2024/031   End of the opt-out review period for ECMA-402 (2024) Standard

- Ecma/TC39/2024/032   Slides and technical notes for the 102nd TC39 meeting, June 2024 (Rev. 2)

- Ecma/TC39/2024/033   Venue for the 103rd TC39 virtual meeting, July 2024

- Ecma/TC39/2024/034   Minutes of the 102nd TC39 meeting, Helsinki, June 2024

- Ecma/TC39/2024/035   Agenda for the 103rd TC39 virtual meeting, July 2024

- Ecma/GA/2024/075   Draft scope for TC55 (Rev. 2)
- Ecma/GA/2024/076   TC55 working model (Rev. 1)
- Ecma/GA/2024/078   Proposed changes to the Ecma By-laws (Rev. 1)
- Ecma/GA/2024/079   Proposed changes to the Ecma Rules (Rev. 1)
- Ecma/GA/2024/080   TC39 RF TC form signed by JetBrains
- Ecma/GA/2024/081   Application of JetBrains for Associate membership
- Ecma/GA/2024/082   Application of AboutCode for NFP membership
- Ecma/GA/2024/083   TC54 RF TC form signed by AboutCode
- Ecma/GA/2024/084   Application of University of Turku for NFP membership
- Ecma/GA/2024/085   TC39 RF TC form signed by University of Turku
- Ecma/GA/2024/086   End of the opt-out review period for ECMA-402 (2024) Standard
- Ecma/GA/2024/087   End of the opt-out review period for CycloneDX Bill of materials specification
- Ecma/GA/2024/090   Minutes of the 102nd TC39 meeting, Helsinki, June 2024
- Ecma/GA/2024/094   Proposed clarification to the Ecma By-laws
- Ecma/GA/2024/095   Agenda for the 103rd TC39 virtual meeting, July 2024
- Ecma/GA/2024/097   Postal ballot for a clarification to the Ecma By-laws and the approval to form TC55

Meeting	Dates	Location	Host
103	*2024-07-29 to 2024-08-01*	*Remote: "Los Angeles"*	*n/a*
104	*2024-10-08 to 2024-10-10*	*Tokyo, Japan* JP 🌸	*Sony*
105	*2024-12-02 to 2024-12-05*	*Remote: "Albuquerque"*	*n/a*

- *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** *(TBD)*

- **GA 129**: **25-26 June 2025** *(Geneva, Switzerland)*
- **GA 130**: **10-11 December 2025** *(Hong Kong, TBD)*

ExeCom:

- **22-23 October 2024**, *(Geneva, Switzerland)*

- **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