

Report from the TC39 Secretariat

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What has happened lately?

A few points:

Since the March 2022 TC39 Meeting

- *List of latest relevant TC39 and Ecma GA documents*
- *Status of TC39 meeting participation*
- *TC39 standards download and access statistics*
- *Status of ES2022 Approval and publication*
- *Some Ecma Bylaws and Rules changes (mostly editorial but also some minor content changes...) are proposed by the ExeCom to be approved by the June 2022 Ecma GA*
- *Next TC39, GA and ExeCom meetings*

- **Ecma/TC39/2022/013** **Opt-out period announcement for ECMA-262 and ECMA-402 (2022) Standards**
- **Ecma/TC39/2022/014** **Draft ECMA-262 13th edition to be reviewed during the opt-out period**
- **Ecma/TC39/2022/015** **Draft ECMA-402 9th edition to be reviewed during the opt-out period**
- **Ecma/TC39/2022/016** **TC39 non-violent communication training funding request**
- **Ecma/TC39/2022/017** **Slides for the 89th TC39 virtual meeting, March 2022**
- **Ecma/TC39/2022/018** **Minutes of the 89th TC39 virtual meeting, March 2022**
- **Ecma/TC39/2022/019** **Venue for the 90th TC39 virtual meeting, June 2022**

- **Ecma/TC39/2022/020 Agenda for the 90th TC39 virtual meeting, June 2022**
- **Ecma/TC39/2022/021 End of the opt-out period for ECMA-262 and ECMA-402 (2022) Standards**

- **Ecma/GA/2022/020** **Agenda for the 89th TC39 virtual meeting, March 2022 (Rev. 1)**
- **Ecma/GA/2022/025** **Opt-out period announcement for ECMA-262 and ECMA-402 (2022) Standards**
- **Ecma/GA/2022/026** **Minutes of the virtual special General Assembly, 23 March 2022**
- **Ecma/GA/2022/027** **Auditor's report for the year 2021**
- **Ecma/GA/2022/028** **Minutes of the hybrid ExeCom meeting, Geneva, 5-6 April 2022**
- **Ecma/GA/2022/030** **ECMA-262 13th edition**
- **Ecma/GA/2022/031** **ECMA-402 9th edition**
- **Ecma/GA/2022/033** **Final drafts submitted to the 123rd General Assembly, June 2022 (Rev. 1)**

New relevant Ecma GA documents (2022) (2)

- **Ecma/GA/2022/034** **Venue for the 123rd General Assembly, Geneva, June 2022**
- **Ecma/GA/2022/036** **Minutes of the 89th TC39 virtual meeting, March 2022**
- **Ecma/GA/2022/039** **Status list of nominees for special election of vacant officer positions**
- **Ecma/GA/2022/044** **Proposed changes to the By-laws**
- **Ecma/GA/2022/045** **Proposed changes to the Rules**
- **Ecma/GA/2022/046** **Agenda for the 90th TC39 virtual meeting, June 2022**
- **Ecma/GA/2022/052** **End of the opt-out period for ECMA-262 and ECMA-402 (2022) Standards**

Why are these lists of interest to TC39 members?

- **GA documents provide info about general Ecma matters (policy matters, what other TCs do, liaison with other SDOs, etc.). Not automatically available to TC39 members**
- **Ecma TC39 documents are the “official” Ecma TC39 documentation within Ecma (both for “long-term archival” and as into to other Ecma TC and GA members). It is an overlap of what is also available on GitHub, therefore less practically relevant to TC39 members)**

Recent TC39 Meeting participation

Meeting 2019-2021	Total	Local	Remote	Companies
July 19 Redmond	76	46	30	24
October 19 New York	70	46	24	26
December San Francisco	73	52	21	28
February 20 Honolulu	58	27	31	23
April 20 remote	73	0	73	28
June 20 remote	66	0	66	21
July 20 remote	76	0	76	28
Sept 20 remote	66	0	66	25
November 20 remote	62	0	62	22
January 21 remote	95	0	95	27
March 21 remote	80	0	80	25
April 21 remote	81	0	81	26

Recent TC39 Meeting participation (2)

Meeting 2019-2021	Total	Local	Remote	Companies
May 21 remote	74	0	74	27
July 21 remote	57	0	57	23
August 21 remote	80	0	80	28
October 21 remote	54	0	54	22
December 21 remote	69	0	69	24
January 22 remote	66	0	66	29
March 22 remote	92	0	92	30

	Total ST 2022 all Ecma standards	36147
ECMA-262	ECMAScript® Language Specification	14280
ECMA-404	The JSON Data Interchange Syntax	5690
ECMA-402	ECMAScript® Internationalization API Specification	347
ECMA-414	ECMAScript® Specification Suite	273

ECMA-262 access and download statistics 2022-06-01

ECMA-262htm (access)			ECMA-262 (download)	
ST-262 5.1 edition	23505		ST-262 5.1 edition	237
ST-262 6th edition	62994		ST-262 6th edition	777
ST-262 7th edition	15651		ST-262 7th edition	140
ST-262 8th edition	6123		ST-262 8th edition	124
ST-262 9th edition	6817		ST-262 9th edition	141
ST-262 10th edition	4837		ST-262 10th edition	182
ST-262 11th edition	13145		ST-262 11th edition	2374
ST-262 12th edition	35557		ST-262 12th edition	9140
Total	168629			13115

ECMA-402htm (access)			ECMA-402 (download)	
ST-402 1st edition	4319		ST-402 1st edition	14
ST-402 2nd edition	1245		ST-402 2nd edition	4
ST-402 3rd edition	125		ST-402 3rd edition	4
ST-402 4th edition	213		ST-402 4th edition	6
ST-402 5th edition	109		ST-402 5th edition	3
ST-402 6th edition	39		ST-402 6th edition	4
ST-402 7th edition	186		ST-402 7th edition	44
ST-402 8th edition	1549		ST-402 8th edition	268
TOTAL	7785			347

ES2022 Approval Timeline (procedure unchanged)

- **GA 123 Approval: 22-23 June 2022 (Switzerland). Publication as soon as possible after the final vote.**
- **Ecma internal publication done (See GA Doc- List above)**
- **“Opt-Out” according to the RF Patent Policy for the ES2022: completed 29 May 2022, no comments have been received.**
- **Please note: No substance changes possible after the TC39 approval, only small editorial changes until publication.**
- **Publication: Right after the approval as soon as possible – with the new alternative text copyright policy and as soon as possible with a nice PDF format too.**

First Day	Last Day	Location	Host	Timezone	Days
2022-06-06	2022-06-09	<i>Remote, "Mi"</i>	-	UTC-5	4
2022-07-18	2022-07-21	<i>Mixed / Remote "SF" (?)</i>	-	UTC-7	4
2022-09-13	2022-09-16	<i>Mixed / Remote (?) Tokyo, Japan</i>	Bloomberg	UTC+9	4
2022-11-??	2022-11-??	TBD (Europe)	TBD	UTC+1	4

First in-person meeting (?)

- **The ExeCom discussed and reviewed some changes to the By-laws and brings those proposed changes to the General Assembly for approval.**
- **The changes include some clarifications that were recommended by Legal Counsel.**
- **The changes clarify management in case of absence of the President (7.6), voting rights after membership class changes (6.2, 6.3) and the term “Rules” as also including IPR policies (4.1, 16.1).**
- **The ExeCom also agreed to update the NFP membership right by removing the one-TC participation limitation and therefore no longer link to the rights of SPC members (where the one TC limit remains).**

Proposed changes to the Ecma Rules (GA-2022-045)

- The ExeCom discussed and reviewed some changes to the Rules and brings those proposed changes to the General Assembly for approval.
- The changes include some clarifications that were recommended by Legal Counsel and a suggestion at an ExeCom meeting where it was highlighted that Royalty Free TCs were not mentioned in the Rules, only RFTGs.
- Some clarifying text was added to 6.1.2 and, to be consistent, identical text is replacing the text on RFTGs in 7.1.
- A clarification is added to 8.6 to remove the ambiguity about the representatives of an NFP member that is a membership organization.
- The term “Chairman” is changed to “Chair” throughout the document along with the addition of the word “about” in 8.1.

- **Ecma – Linux Foundation collaboration:** “The GA asked the ExeCom to have this topic on its agenda to decide whether there is interest to follow up on it. The ExeCom noted that the topic was left in a state of no conclusion and that there were no future plans to progress it.”
- **TC39 non-violent communication training funding request (2022/020):** Request from TC39 for training funding and a discussion on the necessity for such training for TC39 followed. Since the document was submitted late, the ExeCom didn’t have time to review the document before the meeting. Several questions were asked and a separate meeting was scheduled on the topic. Results of that?

- **Ecma Recognition Awards:**
- **Two candidates are proposed to the June 2022 GA, but no TC39 Candidates are included this time (N.b.: No one was proposed...).**
- **In general, the ExeCom should workout a procedure for the Ecma Recognition Awards, e.g. to avoid last minute nominations by the TCs.**

- *GA 123: 22-23 June 2022 (Geneva, Switzerland)*
- *GA 124: 6-7 December 2022 (Geneva, Switzerland)*
- *GA 125: 21-22 June 2023 (Japan, TBD)*
- *GA 126: 5-6 December 2023 (US, TBD)*

- *5-6 October 2022, Geneva, starting at 9:00. TC Chairs are invited.*
- *19-20 April 2023, Geneva, starting at 9:00. TC Chairs are invited.*
- *5-6 October 2023, Geneva, starting at 9:00. TC Chairs are invited.*

- **Thank You for your attention!**



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