

Report from the TC39 Secretariat

István Sebestyén

2021-12-13

Written presentation only

What has happened lately?

A few points:

- *List of latest relevant TC39 and Ecma GA documents*
- *New TC39 Members*
- *Status of TC39 meeting participation*
- *Latest standards download and access statistics*
- *Latest News from the Ecma GA*
- *Next TC39, GA and ExeCom meetings*
- *Ecma Recognition Awards 2021 December*

- **Ecma/TC39/2021/053** **Report from the TC39 Secretariat, October 2021**
- **Ecma/TC39/2021/054** **Venue for the 87th TC39 virtual meeting, December 2021**
- **Ecma/TC39/2021/055** **TC39 RF TG form signed by Deno Land Inc.**
- **Ecma/TC39/2021/056** **Slides for the 86th TC39 virtual meeting, October 2021**
- **Ecma/TC39/2021/057** **Minutes of the 86th TC39 virtual meeting, October 2021**
- **Ecma/TC39/2021/058** **Agenda for the 87th TC39 virtual meeting, December 2021**
- **Ecma/TC39/2021/059** **Responses to the Ecma Contribution License Agreement (CLA), 10 December 2021**

- **Ecma/GA/2021/137** **Officers for 2022**
- **Ecma/GA/2021/140** **Proposed changes to the Ecma text copyright policy (Rev. 1)**
- **Ecma/GA/2021/141** **Application of Deno Land Inc. for SPC membership**
- **Ecma/GA/2021/142** **TC39 RF TG form signed by Deno Land Inc.**
- **Ecma/GA/2021/145** **Report from the Ecma Secretariat, December 2021 (Rev. 1)**
- **Ecma/GA/2021/146** **Status of possible new work areas, December 2021**
- **Ecma/GA/2021/147** **Membership & financial report to the GA, December 2021**
- **Ecma/GA/2021/148** **Treasurer's Report to the GA (Rev. 1)**

- **Ecma/GA/2021/149** **Membership class change of Huawei**
- **Ecma/GA/2021/150** **Agenda for the 122nd virtual General Assembly, December 2021 (Rev. 2)**
- **Ecma/GA/2021/151** **Voting Intentions form for 122nd virtual General Assembly, December 2021**
- **Ecma/GA/2021/152** **List of NFP members for 2022**
- **Ecma/GA/2021/153** **Approval of IPR policies – Advice from Ecma Legal Counsel**
- **Ecma/GA/2021/154** **Minutes of the 86th TC39 virtual meeting, October 2021**
- **Ecma/GA/2021/155** **Minutes of the TC53 teleconference of 17 November 2021**

- **Ecma/GA/2021/156** **MoU between Ecma and the Linux Foundation (Rev. 1)**
- **Ecma/GA/2021/157** **Proposed changes to the By-laws**
- **Ecma/GA/2021/158** **Proposed changes to the Rules**
- **Ecma/GA/2021/159** **Request for GA confirmation of the extension of the Ecma SG's contract**
- **Ecma/GA/2021/160** **Ecma evolution – Proposed collaboration between Ecma and the Linux Foundation (Rev. 1)**
- **Ecma/GA/2021/161** **Agenda for the 87th TC39 virtual meeting, December 2021**
- **Ecma/GA/2021/162** **Review of proposed By-laws, Rules and MoU (Ecma Legal Counsel)**

- **Ecma/GA/2021/163** **Ecma Recognition Award nominations from TC39**
- **Ecma/GA/2021/164** **Report of the AdHoc Group on the Collaboration with the Linux Foundation**
- **Ecma/GA/2021/165** **Withdrawal of Bocoup from Ecma International**
- **Ecma/GA/2021/166** **Proposed changes to text copyright policy – Short feedback from Ecma Legal Counsel**

New TC39 Members (congratulations!)

- **Deno Land (SPC)**
- **University of Bergen (NFP)**

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				

Download of Ecma Standards

1 January – 31 October 2021

Standard	Download
• ECMA-262 ECMAScript Language Specification	29'836
• ECMA-404 The JSON Data Interchange Format	10'877
• ECMA-376 Office Open XML File Formats, all parts and editions	9'200
• ECMA-334 C# Language Specification	3'807
• ECMA-335 Common Language Infrastructure (CLI)	3'769
• ECMA-74 Measurement of Airborne Noise Emitted by ICT Equipment	1'078
• ECMA-388 Open XML Paper Specification	932
• ECMA-48 Control Functions for Coded Character Sets, 5th edition	909
• ECMA-402 ECMAScript Internationalization API	906
• ECMA-414 ECMAScript® Specification Suite	710
• ECMA-418 Psychoacoustic metrics for ITT equipment	680
• ECMA-408 Dart Programming Language Specification	593
• ECMA-119 Volume and File Structure of CDROM for Information Interchange	537
• ECMA-417 Architecture for a distributed real-time Access system	497
• ECMA-370 TED The Eco Declaration	446
• ECMA-340 Near Field Communication Interface and Protocol (NFCIP-1)	348
• ECMA-363 Universal 3D File Format, 4th edition	341
• ECMA-372 C++/CLI Language Specification	321
• Total downloads	72'075

- *List of the most popular standards html access in 2021 (1 January – 31 October):*
- ECMA-262 ECMAScript Language Specification, 5.1th edition html version (page access) 91'843
- ECMA-262 ECMAScript Language Specification, 6th edition html version (page access) 141'499
- ECMA-262 ECMAScript Language Specification, 7th edition html version (page access) 34'963
- ECMA-262 ECMAScript Language Specification, 8th edition html version (page access) 11'500
- ECMA-262 ECMAScript Language Specification, 9th edition html version (page access) 13'331
- ECMA-262 ECMAScript Language Specification, 10th edition html version (page access) 17'896
- ECMA-262 ECMAScript Language Specification, 11th edition html version (page access) 57'657
- ECMA-262 ECMAScript Language Specification, 12th edition html version (page access) 30'394
- **Total ECMA-262:** **399'083**
- ECMA-402 ECMAScript Internationalization API, 1st edition html version (page access) 10'127
- ECMA-402 ECMAScript Internationalization API, 2nd edition html version (page access) 2'814
- ECMA-402 ECMAScript Internationalization API, 3rd edition html version (page access) 301
- ECMA-402 ECMAScript Internationalization API, 4th edition html version (page access) 548
- ECMA-402 ECMAScript Internationalization API, 5th edition html version (page access) 266
- ECMA-402 ECMAScript Internationalization API, 6th edition html version (page access) 289
- ECMA-402 ECMAScript Internationalization API, 7th edition html version (page access) 2'355
- ECMA-402 ECMAScript Internationalization API, 8th edition html version (page access) 1'273
- **Total ECMA-402:** **17'973**

- *List of the most popular Technical Reports for downloads in 2021 (1 January – 31 October):*

Technical Report	Downloaded
• TR/98 JPEG File Interchange Format (JFIF)	155
• TR/106 Guidance and Comparison between 60950-1 and 62368-1	150
• TR/104 ECMAScript Test Suite 2nd Edition	130
• TR/107 An optional alternate background noise correction sensitive to the steadiness of background noise	34
• TR/57 Private Integrated Services Networks	17
• Total downloads	1'314
•	

- Download of
- Ecma Memento 2021 (1 January – 31 October): 191

This is all external download of the “public” version (without personal addresses).

Internally we always send out at the beginning of the year per email the full internal version (using mailing lists). This internal distribution reaches about some 600 Ecma member participants.

To those who wish to get a printed copy (now done internally) we mail them. This is not a significant number. We still do this, but demand is very low.

TC39 Plenary Schedule 2021

First Day	Last Day	Location	Timezone	Days
2021-12-14	2021-12-15	Remote	PT	2

First Day	Last Day	Location	Host	Timezone	Days
2022-01-24	2022-01-27	<i>Remote "Seattle"</i>	-	UTC-8	4
2022-03-28	2022-03-31	<i>Remote "NY"</i>	-	UTC-4	4
2022-06-06	2022-06-09	Austin TX, US	OpenJS	UTC-5	4
2022-07-18	2022-07-21	<i>Remote "SF"</i>	-	UTC-7	4
2022-09-13	2022-09-16	Tokyo, Japan	Bloomberg	UTC+9	4
2022-11-??	2022-11-??	TBD (Europe)	TBD	UTC+1	4

First in-person meeting

My comments:

- *The pandemic situation will stay with us for an unknown times. If by June 2022 (first face-to-face meeting) will be over is rather questionable in several parts of the world*
- *The times of "local only" meetings will likely not come back*
- *The quality of "remote only" meetings are good thanks to improved conferencing and other tools (e.g. TCQ)*
- *The quality of "mixed" (i.e. local + remote participation) needs further testing before the first mixed meeting; mainly how to handle the quality of local audio to remote participants and for the automatic speech to text bot, and sometimes also some issues of local presentations*

- **ECMA-402 (2021 Edition) html to MS-Word and PDF conversation finished by the Ecma Secretariat.**
 - *About 100 page long document*
 - *Lot of manual work done*
- **ECMA-262 (2021) html to PDF : still study of conversion program packages; as alternative trying to identify a company to do the work; About 800 page document**

- **Ecma Management:**
 - *Jochen Friedrich (IBM) as President*
 - *Joel Marcey (Facebook) as Vice President*
 - *Luoming Zhang (Huawei) as Treasurer*

- *Michael Saboff (Apple) as Chair*
- *Kevin Fleming (Bloomberg)*
- *Waldemar Horwat (Google)*
- *Hemanth Hegadehalli Madhavarao (PayPal)*
- *Isabelle Valet-Harper (Microsoft)*
- *Touradj Ebrahimi (EPFL)*
- *Peter Hoddie (Moddable)*

- **Patrick Lüthi (until March 2023)**

- **GA 123:** 22-23 June 2022 (Switzerland, TBD)
- **GA 124:** 6-7 December 2022 (Japan or Asia, TBD)
- -----
- Next **SGA** will be **23 March 2022** to approve the change on the Text Copyright Policy (if the new text will be available by then).

ExeCom meetings that also review TC work:

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

Other ExeCom meetings not involving TC work may not be scheduled in advance might also occur; and they may be partly open or closed.

- Next premeeting will be on ***31 Jan. 2022*** on IPR (More Permissive Text Copyright matter)

- The 122nd General Assembly held as a virtual meeting on 8-9 December 2021, approved to honour:
 - Aki Braun and
 - André Bargull
 - for their contributions to Ecma standards.
-
- ***Congratulations!!!!***

- **Thank You for your attention!**



**Rue du Rhône 114
CH-1204 Geneva
T: +41 22 849 6000
F: +41 22 849 6001**

www.ecma-international.org