

Report from the TC39 Secretariat

István Sebestyén

2020-02-04

What has happened lately?

A few points:

- *Status of new TC39 candidates and members*
- *Status of meeting participation and status of work*
- *Status of some action items that little move forward*
- *TC39 Management, Editors, Notetaker 2020*
- *2019 standards download and access statistics final*
- *Next TC39, GA and ExeCom meetings*

Formal approval of new members at the December 2019 GA:

- *Alibaba (Associate)*
- *Sony (Associate)*
- *Huawei (Associate)*
- *MetaMask (SPC)*
- *Sujitech (SPEC)*

New applications since then (for approval at the June 2020 GA)

- *Leiden University for NFP membership*
- *Tencent for Associate membership*
- *Opendoor Labs Inc. for Associate membership*

- **In order to keep everything on track:**
 - *ECMA-262 11 Ed. (2020 ECMAScript® Language Specification)*
 - *ECMA-402 7 Ed. (ECMAScript® 2020 Internationalization API Specification)*
 - *Must be approved by TC39 latest in the March 2020 meeting (GA approval 17 June 2020)*
 - *2 months "RF Opt-out policy" must also be taken into account. Not to forget to define the "frozen" drafts for the opt-outs. Latest in the March 2020 meeting*
 - *Of course letter ballots are also possible, but always more complicated*

TC39 Meeting participation

Meeting 2019	Total	Local	Remote	Companies
July Redmond	76	46	30	24
October New York	70	46	24	26
December San Francisco	73	52	21	28

- **PDF Versions of the standards still problematic:**
- **This is more an issue for Ecma as a whole than for TC39, because especially ECMA-262 is still dominating in standards download figures.**
- **So, apparently it is still important for some users plus it is the “flagship” product of Ecma.**
- **Therefore we need these versions in good quality too, because it goes mostly to an important audience of librarians and archival institutions who are used to perfect “books” and are expecting that...**

- **We still have the old problem: no proper formatting for a page oriented display, i.e. it is basically one long document that is cut by the A4 page size into “fragmented pages”. E.g. proper handling of long tables going over A4 page length**
- **I have asked the Secretariat to look for remedy e.g. by identifying useful html to pdf converting tools, or to find someone who can do this (e.g. via some editing service where the editing of 800 pages can be done at reasonable costs in reasonable time.)**
- **Partial solution exists, but not enough to my taste**
- **Problem too, that every year this issue comes back**

- Work has started to improve the TC39 webpages and to link better to the information in TC39 GitHub pages
- **Our website is live and currently at <https://tc39.es/>**
- The above is ongoing activity. It is complementary to the TC39 Ecma webpages (e.g. includes very good communication to external interest groups and experts, like new proposals). Of course work capacity for web maintenance is limited.
- Good co-operation with the Ecma TC39 webpages are still very important.
- **Warning:** Ecma is planning to renew its web. There is a delay with a few months.

Editors (Elected by postal ballot in December 2019):

- **There are no written rules about Editors (how many, how long etc.)**
- **It is completely up to the TC to handle it with common sense.**
- **Elected Editors:**
 - *Jordan Harband (JHD)*
 - *Shu-yu Guo (SYG)*
 - *Michael Ficarra (MF)*
 - *Kevin Gibbons (KG)*
- **Congratulations and keep up good work!**

- *Management tasks and power should be distributed among several TC39 experts. We have made very good progress in that direction for the last 2 years.*
- *TC39 Group and membership is big enough to fill the management from the TC39 membership (this is also what the Ecma Bylaws and policies say).*

- **Ecma Rules 6.2.9:**
“The Chairman and Vice-Chairman, having been elected from among the member company representatives, hold office for a term of 12 months and are eligible for re-election.”
- **In practice TCs are flexible how to handle the TC Management issue (like in case of TC39 we have now 3 Co-chairs...)**
- **Also regarding reelection it can be a “real” yearly reelection, or just a formal “continuation” reconfirmation, in very old and stabile cases, it just goes on, until someone requests to follow the rule...**

- **Aki Rose Brown (PayPal)**
- **Brian Terlson (Microsoft)**
- **Rob Palmer (Bloomberg)**
- **Myles Borins (Google)**

Question and proposal:





















Can TC39 approve all four of them as 2020 Chair Team in one „package“? That would be my proposal.

Rational: TC39 is a large group, lot of work. Internal coordination of the 2019 Chair Team was great, we have four excellent candidates, why could not we repeat in success 2019?

Thanks to the 2019 Chair Team and congrats to Yulia Startsev

- **As said the Chair Team 2019 (Aki, Brian and Yulia) did a brilliant job. Many thanks to them!!!**
- **Congratulations to Yulia for receiving in the 2019 December Ecma GA an "Ecma Recognition Award"!!!**

- **TC39 Note takers** (actually some 100 pages notes every meeting):
- Actually 2 different functions: The **Notes Steward** and the **Note takers**.
- **Steward** is needed after the meeting, filling in links, final editing. **Takers** do the work in the meeting.
- Issues: difficult to find Note takers in the meeting and Note Steward after the meeting.
- Current discussion status: **Note Taker** should remain as in the past, please do continue to volunteer.
Note Steward: Provide incentives for the job. Budget for this e.g. 10 k CHF/ year. This is in discussions with those who control the budget.

Country ?	Sessions ?
	882,932 % of Total: 100.00% (882,932)
1.  United States	167,800 (19.00%)
2.  China	104,333 (11.82%)
3.  India	59,777 (6.77%)
4.  Russia	56,374 (6.38%)
5.  Japan	40,738 (4.61%)
6.  Germany	33,983 (3.85%)
7.  Brazil	33,270 (3.77%)
8.  Ukraine	30,883 (3.50%)
9.  United Kingdom	24,934 (2.82%)
10.  France	19,198 (2.17%)
11.  South Korea	18,585 (2.10%)
12.  Canada	18,098 (2.05%)
13.  Poland	15,748 (1.78%)
14.  Spain	13,844 (1.57%)
15.  Belarus	11,358 (1.29%)
16.  Australia	10,921 (1.24%)
17.  Italy	10,812 (1.22%)
18.  Hong Kong	9,403 (1.06%)
19.  Netherlands	9,067 (1.03%)
20.  Vietnam	9,019 (1.02%)

Ecma Standards download statistics 2019

	Total ST 2019	62376
ECMA-262	ECMAScript® Language Specification	24238
ECMA-376 Part 1	Office Open XML File Formats	5893
ECMA-335	Common Language Infrastructure (CLI)	3274
ECMA-334	C# Language Specification	2839
ECMA-404	The JSON Data Interchange Syntax	2835
ECMA-376 Part 4	Office Open XML File Formats	1959
ECMA-376 Part 3	Office Open XML File Formats	1735
ECMA-417	Architecture for a distributed real-time access system	1338
ECMA-6	7-Bit Coded Character Set	1306
ECMA-48	Control Functions for Coded Character Sets	1107
ECMA-376 Part 2	Office Open XML File Formats	1026
ECMA-74	Measurement of Airborne Noise emitted by Information	942
ECMA-402	ECMAScript® Internationalization API Specification	844
ECMA-414	ECMAScript® Specification Suite	829
ECMA-376 Part 5	Office Open XML File Formats	621
ECMA-408	Dart Programming Language Specification	443

ECMAScript access and download statistics 2019

ECMA-262htm (access)		ECMA-262 (download)	
ST-262 5.1 edition	166241	ST-262 5.1 edition	289
ST-262 6th edition	268278	ST-262 6th edition	2045
ST-262 7th edition	65340	ST-262 7th edition	144
ST-262 8th edition	24095	ST-262 8th edition	1302
ST-262 9th edition	76857	ST-262 9th edition	8798
ST-262 10th edition	60080	ST-262 10th edition	9292
	660891		21870
ECMA-402htm (access)			
ST-402 1st edition	17659		
ST-402 2nd edition	4349		
ST-402 3rd edition	365		
ST-402 4th edition	730		
ST-402 5th edition	1763		
ST-402 6th edition	1745		
	26611		

TC39 2020 Meeting Plan (final)

Dates	Location	Host
2020-02-04 to 2020-02-06	Honolulu, HI	University of Hawaii at Mānoa & Google
2020-03-31 to 2020-04-02	Cupertino, CA	Apple

Dates	Location	Host
June 2-4	Chicago, IL	PayPal
July 21-23	Redmond, WA	Microsoft
September 22-24	Tokyo, Japan	Bloomberg
November 17-19	Budapest, Hungary	IBM

- **GA 119:** 17-18 June 2020 (CH)
- **GA 120:** 9-10 December 2020 (North America)

- **25-26 (may be moved to 26-27...) March 2020**, Geneva, starting at 9:00. TC Chairmen are invited.
- **6-7 October 2020**, Geneva, starting at 9:00. TC Chairmen are invited.

- **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