# Report from the TC39 Secretariat

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*2021-07-09*

- *List of latest relevant TC39 and Ecma GA documents*

- *New TC39 members*

- *Status of TC39 meeting participation*

- *Latest standards download and access statistics*

- *ES2021 approved by the June 22, 2021 Ecma GA*

- *Ecma Recognition Awards June 2021*

- *Proposed partnership between Ecma and The Linux Foundation (only mentioned here, but no detailed information)*

- *Next TC39, GA and ExeCom meetings*

- *Ecma 60th Anniversary*

- **Ecma/TC39/2021/034 Minutes of the 83rd TC39 virtual meeting, May 2021**

- **Ecma/TC39/2021/035 Slides for the 83rd TC39 virtual meeting, May 2021**

- **Ecma/TC39/2021/036 Venue for the 84th TC39 virtual meeting, July 2021**

- **Ecma/TC39/2021/037 Agenda for the 84th TC39 virtual meeting, July 2021**

- **Ecma/GA/2021/032    Final draft ECMA-262 12th edition**

- **Ecma/GA/2021/033    Final draft ECMA-402 8th edition**

- **Ecma/GA/2021/039    TC39 RF TG form signed by Zalari GmbH**

- **Ecma/GA/2021/042    Venue for the 121st virtual General Assembly, June 2021**

- **Ecma/GA/2021/062    Ecma evolution – Proposed partnership between Ecma and The Linux Foundation**

- **Ecma/GA/2021/065    Application of Rome Tools for SPC membership**

- **Ecma/GA/2021/067        TC39 RF TG form signed by Rome Tools, Inc.**

- **Ecma/GA/2021/070        Proposed changes to the Ecma By-laws in the context of the Ecma-LF partnership**

- **Ecma/GA/2021/071        Proposed changes to the Ecma Rules in the context of the Ecma-LF partnership**

- **Ecma/GA/2021/074        Minutes of the 121st virtual General Assembly, June 2021**

- **Ecma/GA/2021/075        Invitation to ExeCom meeting, 21 July 2021**

- **Ecma/GA/2021/076        Application of University of Bergen for NFP membership**

- **Ecma/GA/2021/077        TC39 RF TG form signed by University of Bergen**

**Approved by the June 2021 Ecma GA:**

- **Beijing Bytedance Network Technology as Associate member (GA/2021/021, GA/2021/022)**

- **Zalari GmbH as SPC member (GA/2021/025, GA/2021/039)**

- **Rome Tools as SPC member (GA/2021/065), GA/2021/067)**

**New Application:**

- **Application of University of Bergen for NFP membership (GA/2021/076)**

- **TC39 RF TG form signed by University of Bergen (GA/2021/077)**

# 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 |

| Meeting 2019-2021 | Total | Local | Remote | Companies |
|---|---|---|---|---|
| May 21 | 74 | 0 | 74 | 27 |
| July 21 | | | | |
| August 21 | | | | |
| October 21 | | | | |
| December 21 | | | | |
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| Standard | Download |
|---|---|
| ECMA-262 ECMAScript Language Specification | 13'946 |
| ECMA-404 The JSON Data Interchange Format | 4'574 |
| ECMA-376 Office Open XML File Formats, all parts and editions | 4'373 |
| ECMA-334 C# Language Specification | 1'941 |
| ECMA-335 Common Language Infrastructure (CLI) | 1'863 |
| ECMA-74 Measurement of Airborne Noise Emitted by ICT Equipment | 459 |
| ECMA-388 Open XML Paper Specification | 451 |
| ECMA-48 Control Functions for Coded Character Sets, 5th edition | 433 |
| ECMA-402 ECMAScript Internationalization API | 420 |
| ECMA-418 Psychoacoustic metrics for ITT equipment | 372 |
| ECMA-414 ECMAScript® Specification Suite | 368 |
| ECMA-408 Dart Programming Language Specification | 276 |
| ECMA-119 Volume and File Structure of CDROM for Information Interchange | 260 |
| ECMA-370 TED The Eco Declaration | 220 |
| ECMA-6 7-Bit Coded Character Set | 198 |
| ECMA-417 Architecture for a distributed real-time Access system | 187 |
| ECMA-363 Universal 3D File Format, 4th edition | 158 |
| ECMA-372 C++/CLI Language Specification | 142 |
| **Total downloads** | **32'073** |

- *List of the most popular standards html access in 2021 (1 January – 31 May):*

- ECMA-262 ECMAScript Language Specification, 5.1th edition html version (page access)    43'862
- ECMA-262 ECMAScript Language Specification, 6th edition html version (page access)    69'986
- ECMA-262 ECMAScript Language Specification, 7th edition html version (page access)    17'280
- ECMA-262 ECMAScript Language Specification, 8th edition html version (page access)    4'743
- ECMA-262 ECMAScript Language Specification, 9th edition html version (page access)    6'892
- ECMA-262 ECMAScript Language Specification, 10th edition html version (page access)    10'763
- ECMA-262 ECMAScript Language Specification, 11th edition html version (page access)    39'700
- **Total ECMA-262:**    **193'226**


- ECMA-402 ECMAScript Internationalization API, 1st edition html version (page access)    5'171
- ECMA-402 ECMAScript Internationalization API, 2nd edition html version (page access)    1'453
- ECMA-402 ECMAScript Internationalization API, 3rd edition html version (page access)    169
- ECMA-402 ECMAScript Internationalization API, 4th edition html version (page access)    300
- ECMA-402 ECMAScript Internationalization API, 5th edition html version (page access)    131
- ECMA-402 ECMAScript Internationalization API, 6th edition html version (page access)    206
- ECMA-402 ECMAScript Internationalization API, 7th edition html version (page access)    1'883
- **Total ECMA-402:**    **9'313**

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

| Technical Report | Downloaded |
|---|---|
| TR/106 Guidance and Comparison between 60950-1 and 62368-1 | 105 |
| TR/104 ECMAScript Test Suite 2nd Edition | 87 |
| TR/98 JPEG File Interchange Format (JFIF) | 85 |
| TR/107 An optional alternate background noise correction sensitive to the steadiness of background noise | 27 |
| TR/57 Private Integrated Services Networks | 14 |
| **Total downloads** | **770** |

- ***Formally approved by the Ecma GA 121****: 22 June 2021 (remote meeting, Ecma)*

  - *Publication of ES2021 final specification for vote by the Ecma Secretariat was done in time*

  - *Start of the RF IPR Policy required "Opt-out" period on a "frozen" draft ES2021 completed on 10th of May 2021. No "opt-out" was submitted by anybody….*

  - *Docs:*

    - **Ecma/TC39/2021/012    Opt-out period announcement for ECMA-262 and ECMA-402 (2021) Standards**

    - **Ecma/TC39/2021/013    Draft ECMA-262 12th edition to be reviewed during the opt-out period**

    - **Ecma/TC39/2021/014    Draft ECMA-402 8th edition to be reviewed during the opt-out period**

**The GA approved these recognition awards by acclamation:**

- <u>**Carol Eidt**</u>, (formerly) Microsoft for her contributions and as Chair of TC49

- <u>**Toyoshige Nohnishi**</u>, Konica-Minolta for his contributions, long time GA representative and as Vice-Chair of TC46

- <u>**Jordan Harband**</u>, Coinbase (formerly with Airbnb) for his contributions as Editor of ECMA-262

# TC39 Plenary Schedule 2021

| First Day | Last Day | Location | Timezone | Days |
|-----------|----------|----------|----------|------|
|  |  |  |  |  |
| 2021-07-13 | 2021-07-16 | "Tokyo" | JST | 4 |
| 2021-08-31 | 2021-09-01 | Remote | ET | 2 |
| 2021-10-25 | 2021-10-28 | "London" | GMT | 4 |
| 2021-12-14 | 2021-12-15 | Remote | PT | 2 |

- **Proposed partnership between Ecma and The Linux Foundation (GA/2021/062) is only mentioned here, but no detailed information about the substance of the proposal is provided on these slides.**

- **Ecma President Isabelle Valet-Harper explained in the June 2021 GA meeting that TCs could be informed about the Ecma-LF possible partnership, but that it should not be assumed that any material made available is in any final stage and should be considered as working documents.**

- **The detailed discussions are handled by the Ecma GA and the ExeCom. See planned meeting schedule in the next slides.**

- ***Special GA***: *on 14 September 2021 (virtual, Switzerland) to progress the LF-Ecma co-operation project and possibly approve the changes required to the By-laws and rules. It was noted that the notice of the special GA along with the supporting documents needed to be made available to ordinary members at least three weeks before. If those documents would not be ready, then the special GA would be cancelled.*

- ***GA 122***: *8-9 December 2021 (Geneva or Montreux or Crans-Montana (Chetzeron), Switzerland)*

- ***GA 123***: *22-23 June 2022 (Switzerland, TBD)*

- ***GA 124***: *6-7 December 2022 (Japan or Asia, TBD)*

*Note: **Ecma 60th Anniversary**. If the situation permits, a celebration reception and dinner could be organized as the December 2021 GA social event, or the event could be postponed to June 2022 to celebrate the 61st anniversary.*

- *Following the June General Assembly, it was decided to hold an ExeCom teleconference meeting that would be open to GA members. The agenda is to continue the discussion on the proposed Ecma-Linux Foundation partnership (GA/2021/062).*

  ***21 July 2021*** *(03:00 PM Amsterdam, Berlin, Rome, Stockholm, Vienna)*

- ***6-7 October 2021****, Geneva, starting at 9:00. TC Chairs are invited.*

- ***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.*

- **Thank You for your attention!**

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