Source: VIDEO SWG Chairman[[1]](#footnote-1)

Title: Proposed meeting agenda for VIDEO SWG during SA4#123-e rev4

Document for: your information

Agenda Item: 9

9. Video SWG

9.1 Opening of the session

9.2 Registration of documents

9.3 Reports and liaisons from other groups

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| **Tdoc** | **Title** | **Status** |
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9.4 CRs to Features in Release 17 and earlier *– Closing plenary A.I. 13*

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| **Tdoc** | **Title** | **Status** |
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9.5 MeCAR (Media Capabilities for Augmented Reality) *– Closing plenary A.I. 14.4*

WID: [SP-220242](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_95E_Electronic_2022_03/Docs/SP-220242.zip) New WID on ‘Media Capabilities for Augmented Reality’

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| **Tdoc** | **Title** | **Status** |
| **Permanent document** |
| [**S4-230622**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230622.zip) | [MeCAR] MeCAR Permanent Document v6.0 | **agreed** |
| **Metadata** |
| [**S4-230527**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230527.zip) | [MeCAR] Addition of gaze point to interaction metadata | **parked** |
| [**S4-230577**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230577.zip) | [MeCAR] Signaling available visual space | **parked** |
| **Definitions** |
| [**S4-230571**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230571.zip) | [MeCAR] proposed update on the definitions | **parked** |
| **QoE Metrics** |
| [**S4-230541**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230541.zip) | [MeCAR] Metrics Framework | **agreed** |
| [**S4-230581**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230581.zip) | [MeCAR] User interaction QoE | **parked** |
| [**S4-230582**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230582.zip) | [MeCAR] Pose information QoE  | **parked** |
| **Specification Framework and Device Architecture** |
| [**S4-230540**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230540.zip) | [MeCAR] TS 26.119 - Specification Framework | **Offline 18th 22:00 CEST** |
| [**S4-230580**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230580.zip) | Initial transfer from Permanent Document | **Offline 18th 22:00 CEST** |
| [**S4-230591**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230591.zip) | [MeCAR] Proposed updated on the architecture | **Offline 18th 22:00 CEST** |
| **Capabilities** |
| [**S4-230549**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230549.zip) | [MeCAR] Capabilities Profile for Pixel Streaming | **parked** |
| [**S4-230489**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230489.zip) | Colour Conversion Module for Image Processing  | **parked** |
| [**S4-230621**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230621.zip) | RGBD content format and proposed device supports | **parked** |
| [**S4-230576**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230576.zip) | [MeCAR] Volumetric video operation points |  |
| [**S4-230623**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230623.zip) | [MeCAR] V3C Streaming Technologies and Considerations for MeCAR |  |
| **Workplan** |
| **S4-230625** | MeCAR Work Plan | **missing** |
|  |
| **643** | MeCAR Permanent document v7.0 |  |

9.6 FS\_XRTraffic (Feasibility Study on Typical Traffic Characteristics for XR Services and other Media) *– Closing plenary A.I. 15.1*

WID: [SP-200054](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_87E_Electronic/Docs/SP-200054.zip) Feasibility Study on Typical Traffic Characteristics for XR Services and other Media

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| **Tdoc** | **Title** | **Status** |
| **S4-230538** | [FS\_XRTraffic] Proposed Updates to TR 26.926 |  |
| [**S4-230539**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230539.zip) | [FS\_XRTraffic] Proposed Updated Time Plan |  |
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9.7 FS\_AI4Media (Feasibility Study on Artificial Intelligence (AI) and Machine Learning (ML) for Media) *– Closing plenary A.I. 15.2*

WID: [SP-220328](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_95E_Electronic_2022_03/Docs/SP-220328.zip) New SID on Artificial Intelligence (AI) and Machine Learning (ML) for Media

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| **Tdoc** | **Title** | **Status** |
| **Workplan** |
| [**S4-230508**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230508.zip) | [FS\_AI4Media] Proposed Updated Time and Work Plan |  |
| **Evaluation framework** |
| [**S4-230509**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230509.zip) | [FS\_AI4Media] Scenario Template for Evaluation Framework | **Merged to 647** |
| [**S4-230510**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230510.zip) | [FS\_AI4Media] Scenario for split inferenced human pose estimation | **agreed** |
| [**S4-230553**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230553.zip) | [FS\_AI4Media] Proposal for Evaluation Framework for AI/ML  | **Merged to 647** |
| [**S4-230565**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230565.zip) | [FS\_AI4Media] Scenario for transmission of AI/ML model data | **noted** |
| [**S4-230583**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230583.zip) | [FS\_AI4Media] Template for clause 7 AI/ML framework evaluation | **Merged to 647** |
| [**S4-230584**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230584.zip) | [FS\_AI4Media] Frameworks for evaluation | **Merged to 647** |
| [**S4-230585**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230585.zip) | [FS\_AI4Media] Models for evaluation | **Merged to 647** |
| [**S4-230587**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230587.zip) | [FS\_AI4Media] Intermediate data testbed architecture | **Merged to 647** |
| [**S4-230588**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230588.zip) | [FS\_AI4Media] Intermediate data testbed implementation example | **noted** |
| [**S4-230589**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230589.zip) | [FS\_AI4Media] Intermediate data scenarios for evaluation | **noted** |
| **AI/ML model formats** |
| [**S4-230592**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230592.zip) | AI/ML model format: TensorFlow | **parked** |
| [**S4-230593**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230593.zip) | AI/ML model format: PyTorch | **parked** |
| **Architectures/procedures** |
| [**S4-230511**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230511.zip) | [FS\_AI4Media] Updates on procedure for Split AI/ML operation | **Revised to xxx** |
|  |
| **xxx** | [FS\_AI4Media] Updates on procedure for Split AI/ML operation | **agreed** |
| **647** | Unified Evaluation framework (offline) to PD |  |
| **648** | FS\_AI4Media PD 0.7 |  |

9.8 FS\_ARMRQoE (Feasibility Study on AR and MR QoE Metrics) *– Closing plenary A.I. 15.6*

WID: [SP-220616](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_96_Budapest_2022_06/Docs/SP-220616.zip) New SID on Feasibility Study on AR and MR QoE Metrics

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| **Tdoc** | **Title** | **Status** |
| [**S4-230502**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230502.zip) | Discussion on the typical procedure for ARMR QoE metric identification |  |
| [**S4-230515**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230515.zip) | Discussion on the Observation Points Monitoring |  |
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9.9 New Work / New Work Items and Study Items*– Closing plenary A.I. 17*

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| **Tdoc** | **Title** | **Status** |
| [**S4-230493**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230493.zip) | Discussion on new HEVC profiles and operating points |  |
| [**S4-230494**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230494.zip) | New WID on new HEVC profiles and operating points |  |
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9.10 Liaisons and Liaison Responses

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| **Tdoc** | **Title** | **Status** |
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9.11 Any Other Business

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| **Tdoc** | **Title** | **Status** |
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9.12 Close of the session

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| **Tdoc** | **Title** | **Status** |
|  | VIDEO SWG report during SA4#123-e | **gotoplen A.I. 12.4** |

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**Tdoc “color code”: black** **= submitted for the meeting by the Tdoc submission deadline**

 **gray** **= submitted for the meeting after the Tdoc submission deadline**

 **blue = postponed from an earlier SA4 meeting**

 **red** **= covered during this meeting**

 Highlighted **= missing document**

 Highlighted = email agreement ongoing

 Highlighted = status defined from email agreement process

 **~~strikethrough~~ = withdrawn**

Conclusion codes: n: noted, r: revised, a: agreed, awp: agreed without presentation, w: withdrawn, pl: go to plenary, nt: not treated

Meeting schedule (Including Indicative topics per session)

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| --- | --- | --- | --- | --- |
| **Milestone/session** | **Date** | **CEST** | **PDT** | **KST** |
| Start of SA4 e-meeting (Email) | 14th Apr | 9am | midnight | 4pm |
| Start of Block A | 17th Apr | 9am | midnight | 4pm |
| **SA4 Opening plenary** |
| **Opening plenary Telco** | 17th Apr | 3pm6pm | 6am9am | 10pm1am (+1) |
| **VIDEO SWG Sessions** |
| Slot 1 (90min) | 18th Apr | 4:35pm6:05pm | 7:35am9:05am | 11:35pm1:05am (+1) |
| Slot 2 (90min) | 19th Apr | 3pm4:30pm | 6am7:30am | 10pm11:30pm |
| Slot 3 (60min) | 20th Apr | 4:35pm6pm | 7:35am9am | 11:35pm1am (+1) |
| **SA4 Closing plenary** |
| **Closing plenary Telco** | 21st Apr | 3pm6pm | 6am9am | 10pm1am(+1) |

Indicative schedule per session:

* Slot1: MeCAR
* Slot2: FS\_AI4media
* Slot3: FS\_XRTraffic / New Work / Washup

Washup: means review of all the remaining documents.

Annex A – Documents’ status

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Tdoc number | Title | Source | SWG Agenda Item | Replaced by | SWG Status | SA4 A.I. for Tdocs presented at SA4 plenary\* |
| [S4-230489](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230489.zip) | Colour Conversion Module for Image Processing  | China Mobile Com. Corporation | 9.5 |  |  |  |
| [S4-230493](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230493.zip) | Discussion on new HEVC profiles and operating points | Apple, Dolby Laboratories Inc., Fraunhofer HHI | 9.9 |  |  |  |
| [S4-230494](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230494.zip) | New WID on new HEVC profiles and operating points | Apple, Dolby Laboratories Inc., Fraunhofer HHI | 9.9 |  |  |  |
| [S4-230502](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230502.zip) | Discussion on the typical procedure for ARMR QoE metric identification | Huawei, HiSilicon | 9.8 |  |  |  |
| [S4-230508](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230508.zip) | [FS\_AI4Media] Proposed Updated Time and Work Plan | Samsung Electronics France SA | 9.7 |  |  |  |
| [S4-230509](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230509.zip) | [FS\_AI4Media] Scenario Template for Evaluation Framework | Samsung Electronics France SA | 9.7 |  |  |  |
| [S4-230510](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230510.zip) | [FS\_AI4Media] Scenario for split inferenced human pose estimation | Samsung Electronics France SA | 9.7 |  |  |  |
| [S4-230511](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230511.zip) | [FS\_AI4Media] Updates on procedure for Split AI/ML operation | Samsung Electronics France SA | 9.7 |  |  |  |
| [S4-230515](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230515.zip) | Discussion on the Observation Points Monitoring | China Unicom | 9.8 |  |  |  |
| [S4-230527](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230527.zip) | [MeCAR] Addition of gaze point to interaction metadata | Samsung Electronics Co., Ltd | 9.5 |  |  |  |
| S4-230538 | [FS\_XRTraffic] Proposed Updates to TR 26.926 | Qualcomm incorporated | 9.6 |  |  |  |
| [S4-230539](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230539.zip) | [FS\_XRTraffic] Proposed Updated Time Plan | Qualcomm incorporated | 9.6 |  |  |  |
| [S4-230540](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230540.zip) | [MeCAR] TS 26.119 - Specification Framework | Qualcomm incorporated | 9.5 |  |  |  |
| [S4-230541](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230541.zip) | [MeCAR] Metrics Framework | Qualcomm incorporated | 9.5 |  | agreed |  |
| [S4-230549](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230549.zip) | [MeCAR] Capabilities Profile for Pixel Streaming | Qualcomm CDMA Technologies | 9.5 |  |  |  |
| [S4-230553](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230553.zip) | [FS\_AI4Media] Proposal for Evaluation Framework for AI/ML  | Qualcomm CDMA Technologies | 9.7 |  |  |  |
| [S4-230565](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230565.zip) | [FS\_AI4Media] Scenario for transmission of AI/ML model data | Fraunhofer HHI | 9.7 |  |  |  |
| [S4-230571](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230571.zip) | [MeCAR] proposed update on the definitions | Tencent Cloud | 9.5 |  |  |  |
| [S4-230576](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230576.zip) | [MeCAR] Volumetric video operation points | Nokia Corporation , Interdigital, Sony Group Corporation, Intel | 9.5 |  |  |  |
| [S4-230577](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230577.zip) | [MeCAR] Signaling available visual space | Tencent Cloud | 9.5 |  |  |  |
| [S4-230580](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230580.zip) | Initial transfer from Permanent Document | Xiaomi Communications | 9.5 |  |  |  |
| [S4-230581](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230581.zip) | [MeCAR] User interaction QoE | InterDigital Finland Oy | 9.5 |  |  |  |
| [S4-230582](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230582.zip) | [MeCAR] Pose information QoE  | InterDigital Finland Oy | 9.5 |  |  |  |
| [S4-230583](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230583.zip) | [FS\_AI4Media] Template for clause 7 AI/ML framework evaluation | InterDigital Finland Oy | 9.7 |  |  |  |
| [S4-230584](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230584.zip) | [FS\_AI4Media] Frameworks for evaluation | InterDigital Finland Oy | 9.7 |  |  |  |
| [S4-230585](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230585.zip) | [FS\_AI4Media] Models for evaluation | InterDigital Finland Oy | 9.7 |  |  |  |
| [S4-230587](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230587.zip) | [FS\_AI4Media] Intermediate data testbed architecture | InterDigital Finland Oy | 9.7 |  |  |  |
| [S4-230588](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230588.zip) | [FS\_AI4Media] Intermediate data testbed implementation example | InterDigital Finland Oy | 9.7 |  |  |  |
| [S4-230589](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230589.zip) | [FS\_AI4Media] Intermediate data scenarios for evaluation | InterDigital Finland Oy | 9.7 |  |  |  |
| [S4-230591](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230591.zip) | [MeCAR] Proposed updated on the architecture | Tencent Cloud | 9.5 |  |  |  |
| [S4-230592](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230592.zip) | AI/ML model format: TensorFlow | Tencent | 9.7 |  |  |  |
| [S4-230593](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230593.zip) | AI/ML model format: PyTorch | Tencent | 9.7 |  |  |  |
| [S4-230621](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230621.zip) | RGBD content format and proposed device supports | Xiaomi Communications | 9.5 |  |  |  |
| [S4-230622](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230622.zip) | [MeCAR] MeCAR Permanent Document v6.0 | Xiaomi Communications | 9.5 |  | agreed |  |
| [S4-230623](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230623.zip) | [MeCAR] V3C Streaming Technologies and Considerations for MeCAR | InterDigital Communications | 9.5 |  |  |  |
| S4-230625 | MeCAR Work Plan | Xiaomi Communications | 9.5 |  |  |  |
| **Tdoc number** | **Title** | **Source** | **Agenda item** | **Replaced by** | **SWG status** | **Plenary A.I.** |
|  |  |  |  |  |  |  |

Annex B: Participants list (XX)

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| **NAME** | **LASTNAME** | **COMPANY** |
| Mike | **WAZOWSKI** | **Monsters, Inc.** |
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1. Gilles TENIOU, TENCENT ; teniou@tencent.com [↑](#footnote-ref-1)