**3GPP TSG-SA WG4 Meeting 132 S4-250794**

**Fukuoka, JP, 19 – 23 May 2025**  revision of S4-250465

**Agenda item:** 8.6

**Source:** Qualcomm Incorporated

**Title:** [FS\_MeMe] Proposed Time and Work Plan for Media Messaging

**Version:** 0.4.1

**Document for** Agreement

# Introduction

During SA4#127 the Feasibility Study on “Media Messaging Phase 2” was agreed in S4-240516 and afterwards approved in by SA plenary #103 in SP-240477.

The objective of this study is in the context of the above potential improvements and extensions, referred to as key topics. Specifically, for each of the above key topics, the following objectives are identified:

1. Document the above key topics A-E

A) Integration of TS 26.143 Capabilities and Profiles into IETF MIMI

o Explicit Supporters: Qualcomm, Dolby, Samsung Electronics Co. Ltd.

B) Support of advanced file format

o Explicit Supporters: Qualcomm, Dolby, Xiaomi, Telecom Italia, Samsung Electronics Co. Ltd.

C) Support of external body content and late binding

o Explicit Supporters: Qualcomm, Xiaomi

D) DRM and encrypted content

o Explicit Supporters: Qualcomm, Dolby, Xiaomi, Samsung Electronics Co. Ltd.

E) Additional media experiences

o Explicit Supporters: Qualcomm, AT&T, Xiaomi, Telecom Italia, Samsung Electronics Co. Ltd.

in more detail, in particular how they relate to the system and data models in TS 26.143 and collect additional industry requirements according to *F) Additional industry requirements* as above.

o Explicit Supporters: Qualcomm, AT&T, Dolby, Xiaomi, Telecom Italia, Samsung Electronics Co. Ltd.

2. Study the integration of TS 26.143 capabilities and profiles into IETF MIMI content formats based on the issue A above

3. Collaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.

4. Study the suitability to enhance the specification of the MMBP Generator and MMBP Player in TS 26.143 by using the Media Service Enabler principles according to bullet point *G) Media Service Enabler*.

5. Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed.

6. Identify gaps and recommend potential normative work to enhance interoperability in Messaging Services.

The overall timeline is as follows

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **New specifications** *{One line per specification. Create/delete lines as needed}* | | | | | |
| Type | TS/TR number | Title | For info  at TSG# | For approval at TSG# | Remarks |
| TR | 26.841 | Media Messaging Enhancements | SA#105  (Sep 24) | SA#106  (Dec 24) |  |

However, for this meeting, an extension of the timeline is agreed.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| New specifications {One line per specification. Create/delete lines as needed} | | | | | |
| Type | TS/TR number | Title | For info  at TSG# | For approval at TSG# | Rapporteur |
| TR | 26.841 | Study on Media Messaging Enhancements | SA#106  (Dec 24) | SA#108  (Jun 25) | Thomas Stockhammer, Qualcomm Incorporated, [tsto@qti.qualcomm.com](mailto:tsto@qti.qualcomm.com) |

This document provides an

- work plan to consider the completion of the work in the envisaged timelines.

- a vision towards potential normative work in 3GPP within Release -19

# Vision towards normative work

This study is considered as an extension study of the existing Messaging Formats. It is planned to identify topics for normative work to be addressed in future Releases timeline as follows

* Completion of study by in Rel-19 until SA#108 (June 2025). Currently no need to adjust the timeline.
* Simple stage-3 normative work in TS 26.143 may be done until 09/2025 (1 cycle work item, 100% 09/2025), addressing the open issues C, D, and E as indicated in the cover page for the submission of TR 26.841.
* Integration of IETF MIMI, a new media messaging format and other enhancements are not expected to be done in Rel-19. Hence the TR should be flexible enough to address new work in future Releases.

The study is expected to only conclude on a small subset of the work topics on what normative work will be addressed in Rel-19. Conclusions in the study may include that certain topics are for further study. Those topics may be addressed with lower priority in Rel-19 timeline, with a clear understanding that they very likely not be addressed in Rel-19 timeline.

The timeline above on 06/2025 is considered are strict deadlines for what is addressed in Rel-19 normative work. This study as well as the follow-up normative work is expected to address the following

* Study:
  + TR 26.841 (new): Documents key issues and work topics
* Stage-3 normative work (note not all work may be done based on topics completed in the study phase)
  + TS 26.143: Addresses enhancements to the Media Messaging

# Proposed Time and Work Plan

The timeplan includes in *italics* the considered normative work phase.

|  |  |  |
| --- | --- | --- |
| Meeting | Feasibility Study on “Media Messaging” - #1030005 | Completion Status |
| SA4#127 (29 January - 2 February 2024, Sophia Antipolis, FR) | Receive LS from MPEG in [S4-240304](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_127_Sophia-Antipolis/Docs/S4-240304.zip)Agree work item in S4-240516Agree vision for overall Rel-19 scheduleAgree initial work and time plan | Target 0%Real |
| SA#103 (March 19 - 22 2023, Maastrict, NL) | Approve work item in SP-240477  * It was noted that this does not use the latest WI Template. The Work Plan manager commented that this is FS\_MeMe2, but there is no Phase 1 of MeMe. The SA WG4 Chair replied that the '2' was used to indicate that this is the second try to introduce this study. The Template, WI title, TR title should be corrected and the TR number should be added. This was revised in SP-240477 which was approved. |  |
| *MPEG MeMAF AHG Meeting (Mar 11, 2024, 16:30 – 18:00 CET,* [*Logistics*](http://mpeg.expert/live/nextcloud/index.php/apps/calendar/p/HAwkATGsmc5bN3Qy)*)* | *Study the draft requirements, working draft and solicit further input, in collaboration with 3GPP SA4.**Solicit feedback on the open issues on* [*GitLab*](https://git.mpeg.expert/MPEG/Systems/ApplicationFormat/MeMAF/-/issues) *and* [*GitHub*](https://github.com/MPEGGroup/MeMAF/issues) |  |
| 3GPP SA4 MBS SWG Telco (March 28, 2024, 15:30 – 17:30 CET, Host Qualcomm) | Initiate documenting key topics in more detailsInitiate TR 26.841Collaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed.Submission Deadline March 27, noon CET | Target 5%Real |
| SA4#127bis-e (8 - 12 April 2024, Online) | Progress documenting key topics in more detailsCollaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Initiate the study the integration of TS 26.143 capabilities and profiles into IETF MIMI content formatsInitiate the study the suitability to enhance the specification of the MMBP Generator and MMBP Player in TS 26.143 by using the Media Service Enabler principlesCoordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed.Progress TR 26.841 | Target 20%Real |
| *MPEG#146 (Apr 22 - 26, 2024, Rennes, FR)* | *On MeMAF**Agree on the requirements**Dispose input documents**Issue a Working Draft* |  |
| 3GPP SA4 MBS SWG Telco (May 7, 2024, 15:30 – 17:30 CEST, Host Qualcomm) | Progress documenting key topics in more detailsProgress the study the integration of TS 26.143 capabilities and profiles into IETF MIMI content formatsProgress the study the suitability to enhance the specification of the MMBP Generator and MMBP Player in TS 26.143 by using the Media Service Enabler principlesCollaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed.Progress TR 26.841Submission Deadline May 6, noon CEST | Target 25%Real |
| SA4#128 (20 – 24 May 2024, Jeju Island, KR) | Complete documenting key topics in more detailsProgress the study the integration of TS 26.143 capabilities and profiles into IETF MIMI content formatsProgress the study the suitability to enhance the specification of the MMBP Generator and MMBP Player in TS 26.143 by using the Media Service Enabler principlesCollaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed.Progress TR 26.841 | Target 20%Real 15% |
| 3GPP SA4 MBS SWG Telco (June 6, 2024, 15:30 – 17:30 CET, Host Qualcomm) | Continue documenting key topics in more detailsProgress TR 26.841Collaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed.Submission Deadline June 2, noon CEST | Target 21%Real 15% |
| *MPEG MeMAF AHG Meeting (Jun 17, 2024, 16:30 – 18:00 CEST,* [*Logistics*](http://mpeg.expert/live/nextcloud/index.php/apps/calendar/p/HAwkATGsmc5bN3Qy)*)* | MeMAF (Messaging Application Format)Study the requirements, working draft and solicit further input, in collaboration with 3GPP SA4.Solicit feedback on the open issues on GitLab and GitHub |  |
| SA#104 (18 – 21 June 2024, China) | No actions |  |
| 3GPP SA4 MBS SWG Telco (June 27, 2024, 15:30 – 17:30 CET, Host Qualcomm) | Continue documenting key topics in more detailsProgress TR 26.841Collaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed.Submission Deadline June 26, noon CEST | Target 23%Real 15% |
| 3GPP SA4 MBS SWG Telco (July 11, 2024, 15:30 – 17:30 CET, Host Qualcomm) | Continue documenting key topics in more detailsProgress TR 26.841Collaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed.Submission Deadline July 10, noon CESTMEME topics would only be dealt in the first hour to avoid overlap with MeMAF call. | Target 24%Real 15% |
| *MPEG MeMAF AHG Meeting (Jul 11, 2024, 16:30 – 18:00 CEST,* [*Logistics*](http://mpeg.expert/live/nextcloud/index.php/apps/calendar/p/HAwkATGsmc5bN3Qy)*)* | MeMAF (Messaging Application Format)Study the requirements, working draft and solicit further input, in collaboration with 3GPP SA4.Solicit feedback on the open issues on GitLab and GitHub |  |
| *MPEG#147 (Jul 15 - 19, 2024, Sapporo, JP)* | *On MeMAF**Dispose input documents**Issue Working Draft* |  |
| 3GPP SA4 MBS SWG Telco (July 25, 2024, 15:30 – 17:30 CET, Host Qualcomm) | Continue documenting key topics in more detailsProgress TR 26.841Collaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed.Submission Deadline July 24, noon CEST | Target 25%Real 15% |
| SA4#129-e (19 – 23 August 2024, online) | Progress the study the integration of TS 26.143 capabilities and profiles into IETF MIMI content formatsProgress the study the suitability to enhance the specification of the MMBP Generator and MMBP Player in TS 26.143 by using the Media Service Enabler principlesCollaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Start identifying gaps and recommend potential normative work to enhance interoperability in Messaging Services.Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed.Progress TR 26.841 | Target 40%Real |
| SA#105 (10– 13 September 2024, Melbourne, AU) | no actions |  |
| 3GPP SA4 MBS SWG Telco (Sep 26, 2024, 15:30 – 17:30 CEST, Host Qualcomm) | Continue documenting key topics in more detailsProgress TR 26.841Collaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed.Submission Deadline Sep 25, noon CEST | Target 45%Real |
| *MPEG MeMAF AHG Meeting (Sep 26, 2024, 16:30 – 18:00 CEST,* [*Logistics*](http://mpeg.expert/live/nextcloud/index.php/apps/calendar/p/HAwkATGsmc5bN3Qy)*)* | MeMAF (Messaging Application Format)Study the requirements, working draft and solicit further input, in collaboration with 3GPP SA4.Solicit feedback on the open issues on GitLab and GitHub |  |
| 3GPP SA4 MBS SWG Telco (Oct 10, 2024, 15:30 – 17:30 CEST, Host Qualcomm) | Continue documenting key topics in more detailsProgress TR 26.841Collaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed.Submission Deadline Oct 9, noon CEST | Target 45%Real |
| 3GPP SA4 MBS SWG Meeting (October 16-18 2024, online, Host Qualcomm) | Progress the study the integration of TS 26.143 capabilities and profiles into IETF MIMI content formatsProgress the study the suitability to enhance the specification of the MMBP Generator and MMBP Player in TS 26.143 by using the Media Service Enabler principlesCollaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Progress identifying gaps and recommend potential normative work to enhance interoperability in Messaging Services.Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed.Progress TR 26.841Calls are held each day between 15:00 to 18:15 CEST (with 15min break at 16:30).For October 17, 2024, a joint session with 5G-MAG from 15:00 to 16:30 is planned.Submission deadline Oct 14, 23:59 CEST | Target 60%Real |
| 3GPP SA4 MBS SWG Telco (Oct 24, 2024, 15:30 – 17:30 CEST, Host Qualcomm) | Continue documenting key topics in more detailsProgress TR 26.841Collaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed.Submission Deadline Oct 23, noon CEST | Target 60%Real 30% |
| *MPEG#148 (Nov 04 - 08, 2024, Antalya, Turkey)* | *On MV-HEVC support**See incoming Liaison**On MeMAF**Dispose input documents**Issue Working Draft* |  |
| SA4#130 (18 – 22 November 2024, Orlando, FL, US) | Progress the study the integration of TS 26.143 capabilities and profiles into IETF MIMI content formatsProgress the study the suitability to enhance the specification of the MMBP Generator and MMBP Player in TS 26.143 by using the Media Service Enabler principlesCollaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Progress identifying gaps and recommend potential normative work to enhance interoperability in Messaging Services.Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed.Agree TR 26.841 v1.0.0, if possible | Target 60%Real 60% |
| SA#106 (10 – 13 December 2024, Madrid, ES TBC) | Present TR 26.841 v1.0.0 for information |  |
| 3GPP SA4 MBS SWG Telco (December 19 2024, 15:30 – 17:30 CET online, Host Qualcomm) | Progress the study the integration of TS 26.143 capabilities and profiles into IETF MIMI content formatsProgress the study the suitability to enhance the specification of the MMBP Generator and MMBP Player in TS 26.143 by using the Media Service Enabler principlesCollaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Progress identifying gaps and recommend potential normative work to enhance interoperability in Messaging Services.Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed.Submission deadline Dec 18, noon CET | Target 65%Real 60% |
| 3GPP SA4 MBS SWG Meeting (Jan 8-10, 2025, online, Host Qualcomm) | Continue documenting key topics in more detailsProgress TR 26.841Collaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed.Calls are held each day between 15:00 to 18:15 CET (with 15min break at 16:30).For January 19, 2025, a joint session with 5G-MAG from 15:00 to 16:30 is planned.Submission Deadline Jan 6, 23:59 CET | Target 75%Real 60% |
| 3GPP SA4 MBS SWG Telco (Feb 6, 2025, 15:30 – 17:30 CET, Host Qualcomm) | Continue documenting key topics in more detailsProgress TR 26.841Collaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed.Submission Deadline Feb 5, noon CET | Target 80%Real 60% |
| SA4#131 (17 – 21 February 2025, Geneva, Switzerland) | Continue documenting key topics in more detailsProgress TR 26.841Collaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed. | Target 70%Real 70% |
| SA#107 (12 – 14 March 2025, Incheon, KR) | No actions |  |
| 3GPP SA4 MBS SWG Telco (Mar 20, 2025, 15:30 – 17:30 CET, Host Qualcomm) | Continue documenting key topics in more detailsProgress TR 26.841Submission deadline Mar 19, 11:59 CET | Target 75%Real |
| SA4#131-bis-e (11 – 17 April 2025, online) | Continue documenting key topics in more detailsProgress TR 26.841Collaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed. | Target 80%Real 75% |
| 3GPP SA4 MBS SWG Telco (May 7, 2025, 17:30 – 19:30 CEST, Host Qualcomm) | Continue documenting key topics in more detailsProgress TR 26.841Submission Deadline May 6, noon CET | Target 80%Real |
| SA4#132 (19 – 23 May 2025, Fukuoka, Japan) | Complete the study the integration of TS 26.143 capabilities and profiles into IETF MIMI content formatsComplete the study the suitability to enhance the specification of the MMBP Generator and MMBP Player in TS 26.143 by using the Media Service Enabler principlesCollaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Progress identifying gaps and recommend potential normative work to enhance interoperability in Messaging Services.Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed.Agree TR 26.841 v2.0.0Collaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed. | Target 90%Real |
| 3GPP SA4 MBS SWG AHG Telco (Jun 5, 2025, 15:30-17:30 CEST, Host Qualcomm) | Progress key issues and conclusionsSubmission deadline Jun 25, noon CEST*Initiate CR to 26.143 addressing the key objectives**Review a new work item on Media Messaging Enhancements (MeME-MED)* | Target 10%Real |
| SA#108 (10 – 13 June 2025, Prague, CZ) | *no actions* |  |
| 3GPP SA4 MBS SWG AHG Telco (Jul 10, 2025, 15:30-17:30 CEST, Host Qualcomm) | Progress key issues and conclusionsSubmission deadline Jun 25, noon CEST*Progress CR to 26.143 addressing the key objectives**Review a new work item on Media Messaging Enhancements (MeME-MED)*Submission deadline Jul 9, noon CEST | Target 20%Real |
| *SA4#133-e (21 – 25 July 2025, online)* | Complete the study the integration of TS 26.143 capabilities and profiles into IETF MIMI content formatsComplete the study the suitability to enhance the specification of the MMBP Generator and MMBP Player in TS 26.143 by using the Media Service Enabler principlesCollaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Complete identifying gaps and recommend potential normative work to enhance interoperability in Messaging Services.Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed.Agree TR 26.841 v2.0.0Collaborate with MPEG to study the needs and functionalities for an advanced file format to be added to TS 26.143 based on bullet B above taking into account the key topics identified in objective 1.Coordinate work with external organizations such as ISO/IEC JTC29 WG3 (MPEG Systems), 5G-MAG, GSMA and IETF, as needed.*Agree a new work item on Media Messaging Enhancements (MeME-MED)**Agree time and work plan*  * *Progress CR to 26.143 addressing the key objectives* |  |
| *3GPP SA4 MBS SWG AHG Meeting (Sep 3 - 5, 2025, Paris, FR, Host Orange)* | *Agree CR to 26.143 addressing the key objectives**Endorse Work Item Summary**Start at 9am on Wed and finish at 3pm on Fri**Submission deadline Sep 1, 23:59 CEST* |  |
| *SA#109 (16 – 19 September 2025, China)* | Present TR 26.841 v2.0.0 for approval*Approve new work item on Media Messaging Enhancements (MeME-MED)**Present CR to TS 26.143 for approval**Agree work item summary* |  |