**3GPP TSG-CT WG4 Meeting #129 C3-252511**

**Bratislava, Slovakia; 19th – 23rd May 2025**

**3GPP TSG-CT WG4 Meeting #129 C4-252xxx**

**Bratislava, Slovakia; 19th – 23rd May 2025**

**Source: Qualcomm Incorporated**

**Title: New WID on CT aspects on Advanced Media Delivery**

**Document for: Approval**

**Agenda Item: 19.2 for CT3**

 **19.2.2 for CT4**

3GPP™ Work Item Description

Information on Work Items can be found at <http://www.3gpp.org/Work-Items>
See also the [3GPP Working Procedures](http://www.3gpp.org/specifications-groups/working-procedures), article 39 and the TSG Working Methods in [3GPP TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm)

Title: CT aspects on Advanced Media Delivery

Acronym: AMD\_PRO-MED-CT

Unique identifier: TBD

Potential target Release: Rel-19

# 1 Impacts

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Affects: | UICC apps | ME | AN | CN | Others (specify) |
| Yes |  |  |  | X |  |
| No | X | X | X |  | X |
| Don't know |  |  |  |  |  |

# 2 Classification of the Work Item and linked work items

## 2.1 Primary classification

### This work item is a …

|  |  |
| --- | --- |
|  | Study  |
|  | Normative – Stage 1 |
|  | Normative – Stage 2 |
| X | Normative – Stage 3 |
|  | Normative – Other\* |

## 2.2 Parent Work Item

For a brand-new topic, use “N/A” in the table below. Otherwise indicate the parent Work Item.

|  |
| --- |
| Parent Work / Study Items  |
| Acronym | Working Group | Unique ID | Title (as in 3GPP Work Plan) |
| AMD-ARCH-MED | S4 | 1060069 | Stage 2 for Advanced Media Delivery |

### 2.3 Other related Work Items and dependencies

|  |
| --- |
| Other related Work /Study Items (if any) |
| Unique ID | Title | Nature of relationship |
| 1070057 | Stage 3 for Advanced Media Delivery | Stage 3 of Advanced Media Delivery in SA4 |

# 3 Justification

SA#106 approved the Work Item on Stage 2 for Advanced Media Delivery (AMD-ARCH-MED) in SP-241963 and the AMD-ARCH-MED was completed in SA#107 with relevant CRs in SP-250133. During the normative work of AMD-ARCH-MED, it has been identified that a subset of the new features of AMD-ARCH-MED has impacts to stage-3 specifications under change control of CT3 and/or CT4.

SA#107 approved a related stage3 WID on Stage 3 for Advanced Media Delivery (AMD\_PRO-MED) in SP-250265. Therefore, there is a need to have a CT work item to develop the stage 3 for the normative requirements developed by SA4.

# 4 Objective

The objective of this work item is to develop the stage 3 for the stage 2 requirements approved under the AMD-ARCH-MED stage 2 work item.

CT3 aspects:

* Possible Update on Multicast/Broadcast Service Function Service and/or NEF northbound API to support time synchronization in MBS

CT4 aspects:

* Update on Multicast/Broadcast Service Transport Service to support in-session unicast repair for MBS object distribution

# 5 Expected Output and Time scale

|  |
| --- |
| Impacted existing TS/TR {One line per specification. Create/delete lines as needed} |
| TS/TR No. | Description of change  | Target completion plenary# | Remarks |
| 29.522 | Possible update on NEF northbound API to support time synchronization in MBS | TSG CT#109(September 2025) | CT3 |
| 29.580 | Possible Update on the Multicast/Broadcast Service Function Services to support time synchronization in MBS | TSG CT#109(September 2025) | CT3 |
| 29.581 | Update on Multicast/Broadcast Service Transport Services to support in-session unicast repair for MBS object distribution | TSG CT#109(September 2025) | CT4 |

# 6 Work item Rapporteur(s)

Hanna Lim, hannalim@qti.qualcomm.com

# 7 Work item leadership

CT4

# 8 Aspects that involve other WGs

SA4 also perform the work item on stage 3 for Advanced Media Delivery (AMD\_PRO-MED).

# 9 Supporting Individual Members

|  |
| --- |
| Supporting IM name |
| Qualcomm Incorporated |
| BBC |
| Dolby |
| ATEME |
| Orange |
| LG Electronics  |
| Ericsson |
| Huawei |
|  |
|  |