**3GPP TSG-S4 Meeting #113-e**S4-210575

**Electronic Meeting, 6th – 14th April 2021**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **26.803** | **CR** |  | **rev** |  | **Current version:** | **1.1.0** |  |
|  |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network |  |

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| ***Title:***  | Gaps and Conclusions for TR 26.803 |
|  |  |
| ***Source to WG:*** | Qualcomm Inc. |
| ***Source to TSG:*** | S4 |
|  |  |
| ***Work item code:*** | FS\_EMSA |  | ***Date:*** | 31 March 2021 |
|  |  |  |  |  |
| ***Category:*** | F |  | ***Release:*** | Rel-17 |
|  | *Use one of the following categories:****F*** *(correction)****A*** *(mirror corresponding to a change in an earlier release)****B*** *(addition of feature),* ***C*** *(functional modification of feature)****D*** *(editorial modification)*Detailed explanations of the above categories canbe found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | *Use one of the following releases:Rel-8 (Release 8)Rel-9 (Release 9)Rel-10 (Release 10)Rel-11 (Release 11)…Rel-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
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| ***Reason for change:*** | Adds content to the gaps section and proposes a conclusion to the TR. |
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| ***Summary of change:*** |  |
|  |  |
| ***Consequences if not approved:*** |  |
|  |  |
| ***Clauses affected:*** |  |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  |  |  Other core specifications  | TS/TR ... CR ...  |
| ***affected:*** |  |  |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  |  |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

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| **First Change** |

## 6.4 Identified Gaps in Architecture and Procedures

### 6.4.1 General

Based on the recommended EMSA architecture in clause 6.2 and the high-level call flows defined in clause 6.3, we can identify the following gaps in the existing 5GMS architecture:

1. The procedures and services offered by the 5GMS AF and the 5GMS Client need to be defined.

2. Extensions to the M1 and M5 interfaces are required to provide additional procedures for provisioning and edge processing request.

3. Definition of the M3 interface between the 5GMS AF and 5GMS AF to manage edge processing.

4, Procedures to support session mobility and context transfer, triggered by the UE or by the 5GMS AF.

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| **Fourth Change** |

# 7 Conclusions and Recommendations

The present docoument provides an overview of the different edge-related activities that are taking place in 3GPP. It also collects together a set of media streaming use cases that rely on or benefit from media processing at the edge. Based on these, a recommended architecture for edge media processing is derived and documented. The architecture is an integration of the 5G Media Streaming architecture with the architectures and procedures for establishment, control, and management of edge sessions that have been developed elsewhere in 3GPP.

It is recommended that the architecture in clause 6.2 be implemented as extensions to the 5GMS architecture. It is also recommended that the identified gaps in clause 6.4 be addressed as part of this effort.