**3GPP TSG-SA WG6 Meeting #43 S6-211xxx**

**e-meeting, 24th May – 2nd June 2021 (revision of S6-211157)**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** | **1** | **Current version:** | **17.6.0** |  |
|  | | | | | | | | |
| *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 | **X** | Radio Access Network |  | Core Network | **X** |

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| ***Title:*** | Proposal on Data Streaming service | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | at&t | | | | | | | | | |
| ***Source to TSG:*** | S6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eMCData3 | | | | |  | ***Date:*** | | | 05-17-2021 |
|  |  | | | |  | |  | | |  |
| ***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 can be 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)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Clarify the Data Streaming in MCData services. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | 1. Clarify in the Scope that Data Streaming solution is not fully developed. 2. As DS is not fully developed the ENs in 5.5 are irrelevant and removed. 3. Clarify in 5.5 that DS service is optional in supporting MCData service. 4. Add a NOTE to 6.7 that the DS functional model is for information only. | | | | | | | | |
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| ***Consequences if not approved:*** | | It could confuse the readers and the stage 3 development. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 1, 5.5, 6.7 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\* \* \* First Change \* \* \* \*

# 1 Scope

This document specifies the functional architecture, procedures and information flows needed to support the Mission Critical Data (MCData) services. MCData is a suite of services which utilizes the common functional architecture defined in 3GPP TS 23.280 [5] to support MC services over LTE including the common services core.

MCData services suite consists of the following sub-services:

- short data service (SDS);

- file distribution (FD);

- data streaming (DS); and

NOTE: Procedures for DS works are not covered in the current specification.

- IP connectivity.

MCData features include:

- conversation management;

- transmission and reception control;

- communication release; and

- enhanced status.

The corresponding service requirements are defined in 3GPP TS 22.282 [3] and 3GPP TS 22.280 [2].

The present document is applicable primarily to MCData service using E-UTRAN access based on the EPC architecture defined in 3GPP TS 23.401 [4]. Certain application functions of the MCData service could also be supported via non-3GPP access networks but no additional functionality is specified to support non-3GPP access.

The MCData service can be used for public safety applications and also for general commercial applications e.g. utility companies and railways.

\* \* \* Next Change \* \* \* \*

## 5.5 Data streaming capability

The MCData service may support data streaming capability for one-to-one and group communications

The MCData service may allow the MCData user to send a data stream or a URL of a data stream to another MCData user. The source of the data stream can originate either from an MCData client or from a network functional entity. For a data stream originating at a network functional entity, the data stream may be provided by an MCData user. The data streaming mechanisms shall support both unicast and broadcast delivery methods.

When the data streaming request is set to automatic reception, the MCData service may not require consent from the receiving MCData user.

The MCData user may be able to apply controls (i.e. start, stop, cancel) to the streams, and on a per recipient basis.

The stream may be terminated through an explicit user control (i.e. stop, cancel operation) or by reaching the end of the streamed content.

\* \* \* Next Change \* \* \* \*

## 6.7 Functional model for data streaming

NOTE: As no detailed procedures are specified in the current specification the DS functional model is for information only.