**3GPP TSG-SA5 Meeting #154 *S5-241838***

Changsha, China, 15 - 19 April 2024

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
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|  | **32.279** | **CR** | **0006** | **rev** | **1** | **Current version:** | **18.0.0** |  |
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| *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 | **X** |

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| ***Title:***  | Rel-18 CR 32.279 Correction MB-SMF requirements |
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| ***Source to WG:*** | Ericsson LM |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** | 5MBS\_CH |  | ***Date:*** | 2024-04-18 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | Rel-18 |
|  | *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:*** | The requirements regarding units of measurements and usage of charging identifier are unclear, all reporting and triggers are defined for MBS session. |
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| ***Summary of change:*** | Adding that quota management can be for time, while downlink data volume can be reported per MBS session. |
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| ***Consequences if not approved:*** | Inconsistent requirements compared to supported information elements may lead to interoperability issues. |
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| ***Clauses affected:*** | 5.1.1, 5.1.2, and 5.1.3 |
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|  | **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 ...  |
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| ***Other comments:*** |  |
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| ***This CR's revision history:*** | Revision of S5-241748 |

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| **First change** |

### 5.1.1 General

The charging functions specified for the 5G MBS session charging:

- MBS session in MB-SMF, refer to TS 23.247 [9].

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| **Second change** |

### 5.1.2 Requirements

The following are high-level charging requirements applicable if 5G MBS session charging is supported:

- The MB-SMF shall support converged charging.

- The MB-SMF shall support MBS session charging.

- The MB-SMF shall be capable of identifying duration (elapsed time) per MBS session.

- The MB-SMF may support quota management for duration.

- The MB-SMF may be capable of identifying transmitted volume per MBS session.

- The quota management shall be per rating group per MBS session.

- Every MBS session shall be assigned a unique identity number for billing purposes per PLMN.

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| **Third change** |

### 5.1.3 Charging information

The MB-SMF may collect following charging information.

- usage of the access and core network resources: the amount of multicast or broadcast data transmitted;

- usage duration: counted as the time interval from MBS session creation to MBS session deletion;

- service area: the charging information describes the area over which the MBS session data is distributed. MBS service area provided by AF (clause 6.2 of TS 23.247 [9]), or a list of gNBs and UPFs that have established tunnels with MB-UPFs (clause 6.9 of TS 23.247 [9]).

For the multicast communication, the MB-SMF may report above charging information to CHF for the following cases.

- MBS session creation and deletion;

- Establishment and release of shared delivery towards gNBs;

- Establishment and release of individual delivery towards UPFs.

For the broadcast communication, MB-SMF may report above charging information to CHF for the following cases.

- MBS session creation, establishment and deletion.

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| **End of changes** |