**3GPP TSG-SA2 Meeting #166 *S2-2412497***

**Orlando, FL, USA, November 18 - 22, 2024** *(revision of S2-2411574)*

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **23.203** | **CR** | **1141** | **rev** | **1** | **Current version:** | **19.0.0** |  |
|  | | | | | | | | |
| *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 | **X** |

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| ***Title:*** | Support of MPS priority for Messaging | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Peraton Labs, CISA ECD, AT&T, T-Mobile USA, Verizon | | | | | | | | | |
| ***Source to TSG:*** | SA2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | MPS4msg | | | | |  | ***Date:*** | | | 2024-11-19 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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) Rel-19 (Release 19)* | |
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| ***Reason for change:*** | | The text currently specifies that a request for media be given priority treatment. The intent was that the media flow be given priority. | | | | | | | | |
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| ***Summary of change:*** | | First change:  Replace "request" with "flow(s)". | | | | | | | | |
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| ***Consequences if not approved:*** | | The media itself will not get priority. | | | | | | | | |
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| ***Clauses affected:*** | | 6.1.11.6 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \*\*\*\*\*

#### 6.1.11.6 Priority for MPS for Messaging

MPS for Messaging (specified in TS 23.401 [17], clause 4.3.18.1) requires MPS priority on the IM CN signalling bearer for messages delivered via SMS over IP (TS 23.204 [56]) and via IMS Messaging (TS 23.228 [39] clause 5.16). IMS Session-based Messaging also requires MPS priority for media flow(s).

When the P-CSCF obtains the MPS for Messaging indication, as specified in TS 23.228 [39], the P‑CSCF may send an MPS for Messaging indication to the PCRF over the Rx interface to request the PCRF to modify the IM CN signalling bearer for MPS for Messaging. If the IM CN signalling bearer does not already receive MPS priority treatment, for example based on a prior request for MPS service that upgraded the IM CN signalling bearer, or based on the IMS Signalling Priority information in the SPR (see clause 6.2.4), and under consideration of the requirements described in clause 6.1.11.2, the PCRF shall:

- modify the ARP and QCI of the IM CN signalling bearer to values appropriate for MPS for Messaging Service.

When the PCRF receives an MPS for Messaging clearing (disabling) indication via Rx, the PCRF shall, while considering other services simultaneously requiring priority treatment of the IM CN signalling bearer as described in clause 6.1.11.2:

- modify the ARP and QCI of the IM CN signalling bearer to appropriate values according to PCRF decision.

\*\*\*\*\* End of changes \*\*\*\*\*