**3GPP TSG-CT WG1 Meeting #126-eC1-206190**

**Electronic meeting, 15-23 October 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.501** | **CR** | **2724** | **rev** | **-** | **Current version:** | **17.0.0** |  |
|  | | | | | | | | |
| *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:*** | Correction on inclusion criteria for Ethernet header compression configuration IE | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | SHARP | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GProtoc17, 5G\_CIoT | | | | |  | ***Date:*** | | | 2020-10-08 |
|  |  | | | |  | |  | | |  |
| ***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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The Ethernet header compression configuration IE is included in the PDU SESSION ESTABLISHMENT ACCEPT message when the Ethernet header compression configuration IE is included in the PDU SESSION ESTABLISHMENT REQUEST message.  However, the condition "the Ethernet header compression configuration IE is included in the PDU SESSION ESTABLISHMENT REQUEST message" is missing in the inclusion criteria for the Ethernet header compression configuration IE in the PDU SESSION ESTABLISHMENT ACCEPT message specified in subclause 8.3.1.14. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | 1. Correct the inclusion criteria for the Ethernet header compression configuration IE in the PDU SESSION ESTABLISHMENT ACCEPT message; and 2. Fix some editorials. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The SMF might not include the Ethernet header compression configuration IE in the PDU SESSION ESTABLISHMENT ACCEPT message even if the Ethernet header compression configuration IE is included in the PDU SESSION ESTABLISHMENT REQUEST message. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 8.3.2.18, 8.3.9.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

\*\*\*\*\* Next change \*\*\*\*\*

#### 8.3.2.18 Ethernet header compression configuration

The SMF may include the Ethernet header compression configuration IE if:

- the network accepts an Ethernet PDU session type;

- control plane CIoT 5GS optimization is selected; and

- the UE provided the Ethernet header compression configuration IE in the PDU SESSION ESTABLISHMENT REQUEST message.

\*\*\*\*\* Next change \*\*\*\*\*

#### 8.3.9.1 Message definition

The PDU SESSION MODIFICATION COMMAND message is sent by the SMF to the UE to indicate a modification of a PDU session. See table 8.3.9.1.1

Message type: PDU SESSION MODIFICATION COMMAND

Significance: dual

Direction: network to UE

Table 8.3.9.1.1: PDU SESSION MODIFICATION COMMAND message content

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| IEI | | Information Element | | Type/Reference | | Presence | | Format | | Length | |
|  | | Extended protocol discriminator | | Extended protocol discriminator  9.2 | | M | | V | | 1 | |
|  | | PDU session ID | | PDU session identity  9.4 | | M | | V | | 1 | |
|  | | PTI | | Procedure transaction identity  9.6 | | M | | V | | 1 | |
|  | | PDU SESSION MODIFICATION COMMAND message identity | | Message type  9.7 | | M | | V | | 1 | |
| 59 | | 5GSM cause | | 5GSM cause  9.11.4.2 | | O | | TV | | 2 | |
| 2A | | Session AMBR | | Session-AMBR  9.11.4.14 | | O | | TLV | | 8 | |
| 56 | | RQ timer value | | GPRS timer  9.11.2.3 | | O | | TV | | 2 | |
| 8- | | Always-on PDU session indication | | Always-on PDU session indication  9.11.4.3 | | O | | TV | | 1 | |
| 7A | | Authorized QoS rules | | QoS rules  9.11.4.13 | | O | | TLV-E | | 7-65538 | |
| 75 | | Mapped EPS bearer contexts | | Mapped EPS bearer contexts  9.11.4.8 | | O | | TLV-E | | 7-65538 | |
| 79 | | Authorized QoS flow descriptions | | QoS flow descriptions  9.11.4.12 | | O | | TLV-E | | 6-65538 | |
| 7B | | Extended protocol configuration options | | Extended protocol configuration options  9.11.4.6 | | O | | TLV-E | | 4-65538 | |
| 77 | | ATSSS container | | ATSSS container  9.11.4.22 | | O | | TLV-E | | 3-65538 | |
| 66 | | IP header compression configuration | | IP header compression configuration  9.11.4.24 | | O | | TLV | | 5-257 | |
| 7C | | Port management information container | | Port management information container  9.11.4.27 | | O | | TLV-E | | 4-65538 | |
| 1E | | Serving PLMN rate control | | Serving PLMN rate control  9.11.4.20 | | O | | TLV | | 4 | |
| 1F | | Ethernet header compression configuration | | Ethernet header compression configuration  9.11.4.28 | | O | | TLV | | 3 | |

NOTE: It is possible for networks compliant with earlier versions of this specification to send the Mapped EPS bearer contexts IE with IEI of value "7F" for this message.