**3GPP TSG-CT WG1 Meeting #126-eC1-20xxxx**

**Electronic meeting, 15-23 October 2020 was C1-205827**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.587** | **CR** | **0119** | **rev** | **1** | **Current version:** | **16.2.1** |  |
|  | | | | | | | | |
| *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 |  |

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|  | | | | | | | | | | |
| ***Title:*** | Add optional IE descriptions | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | vivo, Huawei, HiSilicon | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eV2XARC | | | | |  | ***Date:*** | | | 2020-10-08 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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 IP address configuration IE and Link local IPv6 address IE are optional in DIRECT LINK ESTABLISHMENT ACCEPT message content, but the including conditions are missing.  Similar problem happened to QoS flow descriptions IE in DIRECT LINK MODIFICATION ACCEPT message. | | | | | | | | |
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| ***Summary of change:*** | | Add the including conditions for IP address configuration IE and Link local IPv6 address IE in DIRECT LINK ESTABLISHMENT ACCEPT message content.  Add the including condition for QoS flow descriptions IE in DIRECT LINK MODIFICATION ACCEPT message content | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The including conditions of optional IP address configuration IE, optional Link local IPv6 address IE and optional QoS flow descriptions IE are still missing. | | | | | | | | |
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| ***Clauses affected:*** | | 7.3.2.x(new), 7.3.2.y(new), 7.3.5.z(new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \* \* \* \*

#### 7.3.2.x IP address configuration

The UE shall include this IE if IP communication is used.

\* \* \* Second Change \* \* \* \*

#### 7.3.2.y Link local IPv6 address

The UE shall include this IE if IP communication is used and the IP address configuration is set to "IPv6 address allocation not supported".

\* \* \* Third Change \* \* \* \*

#### 7.3.5.z QoS flow descriptions

The UE shall include this IE if the PC5 unicast link modification procedure is to:

a) add new PC5 QoS flow(s) to the existing PC5 unicast link;

b) modify PC5 QoS parameters of the existing PC5 QoS flow(s);

c) associate new V2X service(s) with existing PC5 QoS flow(s); or

d) remove V2X service(s) from existing PC5 QoS flow(s).

\* \* \* End of Change \* \* \* \*