**3GPP TSG-CT WG1 Meeting #136eC1-22abcd**

**E-meeting, 12-20 May 2022 (was C1-223765)**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **24.587** | **CR** | **0249** | **rev** | **1** | **Current version:** | **17.5.0** |  |
|  |
| *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 |  |

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| ***Title:***  | Correction to reference TS 24.007 |
|  |  |
| ***Source to WG:*** | Huawei, HiSilicon |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** | eV2XARC |  | ***Date:*** | 2022-05-17 |
|  |  |  |  |  |
| ***Category:*** | **A** |  | ***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 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:*** | Under clause 6A of the specification there is a wrong reference, quote, e.g.:3GPP TS 24.007 [r24007] |
|  |  |
| ***Summary of change:*** | Non existent specification fixed. |
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| ***Consequences if not approved:*** | Reference to a specification is incorrect. Inconsisten specification. |
|  |  |
| ***Clauses affected:*** | 6A.1, 6A.2.1, 6A.3, 6A.4, 6A.5.1, 6A.5.2 |
|  |  |
|  | **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 \* \* \* \*

## 6A.1 General

The procedures specified in clause 6.1 apply to those messages which pass the checks described in clause 6A.

Clause 6A also specifies procedures for the handling of unknown, unforeseen, and erroneous PC5 signalling protocol data by the receiving entity. These procedures are called "error handling procedures", but in addition to providing recovery mechanisms for error situations they define a compatibility mechanism for future extensions of the PC5 signalling protocol.

Clauses 6A.1 to 6A.7 shall be applied in order of precedence.

Detailed error handling procedures in the peer UE are implementation dependent and may vary. However, when extensions of PC5 signalling protocol are developed, the peer UE are assumed to have the error handling which is indicated in this clause as mandatory ("shall") and that is indicated as strongly recommended ("should").

Also, the error handling of the peer UE is only considered as mandatory or strongly recommended when certain thresholds for errors are not reached during a dedicated connection.

For definition of semantical and syntactical errors see 3GPP TS 24.007 [26], clause 11.4.2.

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

### 6A.2.1 Message too short

When a message is received that is too short to contain a complete message type information element, that message shall be ignored, cf. 3GPP TS 24.007 [26].

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

## 6A.3 Unknown or unforeseen message type

If the UE or the peer UE receives a PC5 signalling message with message type not defined for the PC5 signalling protocol or not implemented by the receiver, it shall ignore the PC5 signalling message.

NOTE: A message type not defined for the PC5 signalling protocol in the given direction is regarded by the receiver as a message type not defined for the PC5 signalling protocol, see 3GPP TS 24.007 [26].

If the UE receives a message not compatible with the PC5 signalling protocol state, the UE shall ignore the PC5 signalling message.

If the peer UE receives a message not compatible with the Pc5 signalling protocol state, the peer UE actions are implementation dependent.

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

## 6A.4 Non-semantical mandatory information element errors

When on receipt of a message,

a) an "imperative message part" error; or

b) a "missing mandatory IE" error

is diagnosed or when a message containing:

a) a syntactically incorrect mandatory IE;

b) an IE unknown in the message, but encoded as "comprehension required" (see 3GPP TS 24.007 [26]); or

c) an out of sequence IE encoded as "comprehension required" (see 3GPP TS 24.007 [26]) is received,

the UE shall ignore the PC5 signalling message and the peer UE shall:

a) try to treat the message (the exact further actions are implementation dependent); or

b) ignore the message.

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

### 6A.5.1 IEIs unknown in the message

The UE shall ignore all IEs unknown in a message which are not encoded as "comprehension required" (see 3GPP TS 24.007 [26]).

The peer UE shall take the same approach.

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

### 6A.5.2 Out of sequence IEs

The UE shall ignore all out of sequence IEs in a message which are not encoded as "comprehension required" (see 3GPP TS 24.007 [26]).

The peer UE should take the same approach.

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