**3GPP TSG-CT WG1 Meeting #128bis-eC1-210775**

**Electronic meeting, 25 February – 5 March 2021**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **24.229** | **CR** | **6515** | **rev** | **-** | **Current version:** | **17.1.0** |  |
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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 | **x** | Radio Access Network |  | Core Network |  |

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| ***Title:*** | Transfer of existing, active emergency session not successful | | | | | | | | | |
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| ***Source to WG:*** | BlackBerry UK Ltd. | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
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| ***Work item code:*** | IMSProtoc17 | | | | |  | ***Date:*** | | | 2021-02-04 |
|  |  | | | |  | |  | | |  |
| ***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)* | |
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| ***Reason for change:*** | | While upon **failure to initiate an emergency call** the UE may retry on almost any another access, the same flexibility does not apply to **active, ongoing emergency calls**.  The specification is not clear about UE behavior when transfer of an active, ongoing emergency session is not successful.  For 3GPP access, transfer can be successful within “*the entire Registered PLMN and for PLMNs equivalent to the Registered PLMN that are available in the Registration Area*” (see TS 23.501). | | | | | | | | |
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| ***Summary of change:*** | | A UE needs to attempt to transfer the emergency session when the lower layers indicate an emergency session transfer has failed.  The UE, upon learning that the emergency session transfer has failed, shall not **automatically** try to re-establish a new emergency call. | | | | | | | | |
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| ***Consequences if not approved:*** | | The UE, upon being informed an emergency session transfer has failed, has no procedures to transfer the emergency call elsewhere. At least the UE shall not automatically initiate a new emergency session.  UE permitted to terminate emergency session without user’s consent. | | | | | | | | |
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| ***Clauses affected:*** | | L.2.2.6.X (NEW), U.2.2.6.Y (NEW), W.2.2.6.Z (NEW) | | | | | | | | |
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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:*** | | Added “stand-alone” to Annex L. | | | | | | | | |

\*\*\* First change \*\*\*

#### L.2.2.6.X Abnormal cases

If the UE receives, from the lower layers, a notification that a stand-alone UE requested PDN connectivity procedure for initiating an emergency session using a PDN CONNECTIVITY REQUEST message with request type set to "emergency" has failed (see 3GPP TS 24.301 [8J]), the UE shall make another emergency session setup attempt following domain selection as specified in 3GPP TS 23.167 [4B].

NOTE: Domain selection as specified in 3GPP TS 23.167 [4B] does not preclude the use of CS domain. When a CS system based on 3GPP TS 24.008 [8] is to be used, clause B.5 applies.

If the UE has an emergency session and receives, from the lower layers, a notification that a a stand-alone UE requested PDN connectivity procedure associated with the existing emergency session has failed (see 3GPP TS 24.501), the UE shall not perform domain selection as specified in 3GPP TS 23.167 [4B]. If another PLMN is available for which the "interworking without N26 interface supported" indication is valid (see 3GPP TS 23.501 [257]), the UE can attempt to transfer the emergency session with the other PLMN.

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

#### U.2.2.6.Y Abnormal cases

If the UE receives, from the lower layers, a notification that a UE requested PDU session establishment procedure for initiating an emergency session using a PDU SESSION ESTABLISHMENT REQUEST message with request type set to "initial emergency request" has failed (see 3GPP TS 24.501 [258]), the UE shall make another emergency session setup attempt following domain selection as specified in 3GPP TS 23.167 [4B].

NOTE: Domain selection as specified in 3GPP TS 23.167 [4B] does not preclude the use of CS domain. When a CS system based on 3GPP TS 24.008 [8] is to be used, clause B.5 applies.

If the UE has an emergency session and receives, from the lower layers, a notification that a UE requested PDU session establishment procedure associated with the existing emergency session has failed (see 3GPP TS 24.501), the UE shall not perform domain selection as specified in 3GPP TS 23.167 [4B]. If another PLMN is available for which the "interworking without N26 interface supported" indication is valid (see 3GPP TS 23.501 [257]), the UE can attempt to transfer the emergency session with the other PLMN.

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

#### W.2.2.6.Z Abnormal cases

If the UE receives, from the lower layers, a notification that a UE requested PDU session establishment procedure for initiating an emergency session using a PDU SESSION ESTABLISHMENT REQUEST message with request type set to "initial emergency request" has failed (see 3GPP TS 24.501 [258]), the UE shall make another emergency session setup attempt following domain selection as specified in 3GPP TS 23.167 [4B].

NOTE: Domain selection as specified in 3GPP TS 23.167 [4B] does not preclude the use of CS domain. When a CS system based on 3GPP TS 24.008 [8] is to be used, clause B.5 applies.

If the UE has an emergency session and receives, from the lower layers, a notification that a UE requested PDU session establishment procedure associated with the existing emergency call has failed (see 3GPP TS 24.501), the UE shall not perform domain selection as specified in 3GPP TS 23.167 [4B]. The UE can attempt to transfer the emergency session with another PLMN.