**3GPP TSG-CT WG1 Meeting #141eC1-232253**

**Online 17– 21 April 2023**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **24.229** | **CR** | **6589** | **rev** | **-** | **Current version:** | **18.1.0** |  |
|  | | | | | | | | |
| *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:*** | Clarification of the UE behavior at Unified Access Control alleviation | | | | | | | | | |
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| ***Source to WG:*** | NTT DOCOMO | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GProtoc18 | | | | |  | ***Date:*** | | | 2023-04-07 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
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| ***Reason for change:*** | | TS 24.229 specifies that the UE aborts the registration procedure when the REGISTER request is barred by Unified Access Control. However, it does not specify when the UE will send the REGISTER request again after the barring alleviation. It is proposed that the registration procedure is started, if still needed, when the lower layers indicate that the barring is alleviated, similar to TS 24.501 clause 5.5.1.2.7. | | | | | | | | |
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| ***Summary of change:*** | | Clarification of the UE behavior at Unified Access Control alleviation, similar to TS 24.501 clause 5.5.1.2.7 | | | | | | | | |
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| ***Consequences if not approved:*** | | The UE may not send the REGISTER request even if the barring is alleviated. | | | | | | | | |
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| ***Clauses affected:*** | | U.3.1.8 | | | | | | | | |
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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 ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

### U.3.1.8 Unified Access Control

The following information is provided to the non-access stratum:

- MO-IMS-registration-related-signalling-started; and

- MO-IMS-registration-related-signalling-ended;

Prior to sending a REGISTER request which is not for emergency registration, the UE sends the MO-IMS-registration-related-signalling-started to the non-access stratum and

a) if the barring result is "not-barred", continues with registration procedure as described in subclause 5.1.1; and

b) if the barring result is "barred", aborts the registration procedure. In this case, upon receiving an indication from the lower layers that the barring is alleviated, the registration procedure may be initiated, if still needed.

When the UE needs to send SUBSCRIBE request for the reg event package, then the UE sends the MO-IMS-registration-related-signalling-started to the non-access stratum before sending SUBSCRIBE request and

a) if the barring result is "not-barred", continues with subscribe procedure as described in subclause 5.1.1.3; and

b) if the barring result is "barred", aborts the subscribe procedure. In this case, upon receiving an indication from the lower layers that the barring is alleviated, the subscribe procedure may be initiated, if still needed.

When a procedure for MO IMS registration related signalling ends, i.e.

- a final response to the REGISTER request which is not for emergency registration is received;

- a final response to the SUBSCRIBE request for the reg event package is received;

- timer F expires at the UE; or

- a fatal transport error for sending the REGISTER request or the SUBSCRIBE request is reported by the transport layer, as desribed in IETF RFC 3261 [26];

the UE sends the MO-IMS-registration-related-signalling-ended to the non-access stratum.