**3GPP TSG-CT WG1 Meeting #135-eC1-222923**

**E-Meeting, 6th – 12th April 2022**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.257** | **CR** | **0002** | **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 | **X** | Radio Access Network |  | Core Network | **X** |

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| ***Title:*** | Update to the structure of C2 communication modes configuration procedure | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, Hisilicon | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | UASAPP | | | | |  | ***Date:*** | | | 2022-03-30 |
|  |  | | | |  | |  | | |  |
| ***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)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | S6-220389 of Stage 2 has been agreed in SA6 #47-e meeting that modifies the procedures, information flows and APIs to handle removal of C2 operation mode management information/configuration.  The specification needs to update the structure of C2 communication modes configuration procedure to align with stage 2. | | | | | | | | |
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| ***Summary of change:*** | | 1. Update the structure of C2 communication modes configuration procedure; | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Misaligned with Stage 2. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 7.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \* \* \* \*

7.2 Structure

The UAE document shall conform to the XML schema described in clause 8.4.

The <UAE-info> element shall be the root element of the UAE document.

The <UAE-info> element shall include at least one of the followings:

a) a <c2-modes-switching-configuration-info> element;

b) a <C2-communication-mode-notification-info> element;

c) a <C2-related-trigger-event-report> element;

d) a <C2-operation-mode-switching> element;

e) a <UAV-application-message-info> element;

f) a <C2-operation-mode-switching-performed> element; or

g) a <registration-info> element;

h) a <de-registration-info> element.

The <c2-communication-modes-configuration-info> element shall include the followings:

a) a <UAS-id> element; and

b) a <C2-operation-mode-management-configuration> element which shall include the followings:

1) a <C2-operation mode-management-requirement> element;

2) an <allowed-C2-communication-modes> element;

3) a <primary-C2-communication-mode> element;

4) a <secondary-C2-communication-mode> element;

5) a <policy-of –C2-switching> element; and

6) a <result> element.

The <C2-communication-mode-notification-info> element shall include the followings:

a) a <UAS-id> element;

b) a <selected-primary-C2-communication-mode> element;

c) a <selected-secondary-C2-communication-mode> element; and

d) an <acknowledgement> element.

The <C2-related-trigger-event-report> element shall include the followings:

a) a <UAE-client-id> element; and

b) an <application-QoS-related-event> element.

The <C2-operation-mode-switching> element shall include the followings:

a) a <UAE-server-id> element;

b) a <C2-operation-mode-switching-requirement> element;

c) a <time-validity> element; and

d) a <geographical-area> element.

The <UAV-application-message-info> element shall include the followings:

a) a <UAV-id> element;

b) a <application-defined-proximity-range-info> element;

c) a <application-payload> element; and

d) a <acknowledgement> element.

The <C2-operation-mode-switching-performed> element shall include the followings:

a) a <result> element.

The <registration-info> element shall include the followings:

a) a <UAV-id> element;

b) a <UAS-UE-information> element;

c) a <proposed-registration-lifetime> element.

d) a <registration-lifetime> element; and

e) a <result> element.

The <de-registration-info> element shall include the followings:

a) a <UAV-id> element; and

b) a <result> element.

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