**TSG-CT WG3 Meeting #116-e *C3-213510***

**E-Meeting, 19th – 28th May 2021 (Revision of C3-213243)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.122** | **CR** | **0445** | **rev** | **1** | **Current version:** | **15.10.0** |  |
|  | | | | | | | | |
| *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 |  | Radio Access Network |  | Core Network | **X** |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Format of location information | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NAPS-CT, 5GS\_Ph1-CT | | | | |  | ***Date:*** | | | 2021-05-12 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-15 |
|  | *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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | LocationInfo data as defined in subclause 5.3.2.3.5: the context of the IEs are unclear, e.g. trackingAreaId attribute only use string as the data type but actually should consists of MCC, MNC and TAC;  In addition, 204 No Content is missed in table 5.4.3.3.3.3-1 which misaligns with the OpenAPI file definition. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Change the specification as above proposals. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Incorrect specification, and may cause wrong implementation. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.3.2.3.5; 5.4.3.3.3.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 does not impact the OpenAPI file. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

**Additional discussion(if needed):**

**Proposed changes:**

\*\*\* 1st Change \*\*\*

##### 5.3.2.3.5 Type: LocationInfo

This data type represents the user location information which is sent from the SCEF to the SCS/AS.

Table 5.3.2.3.5-1: Definition of LocationInfo data Type

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute name | Data type | Cardinality | Description |
| ageOfLocationInfo | DurationMin | 0..1 | Indicates the elapsed time since the last network contact of the UE.  Refer to the Age-Of-Location-Information AVP as defined in subclause 7.3.126 of 3GPP TS 29.272 [33]. |
| cellId | string | 0..1 | Indicates the Cell Global Identification of the user which identifies the cell the UE is registered.  Refer to the Cell-Global-Identity AVP or E-UTRAN-Cell-Global-Identity AVP as defined in subclause 7.3.119 or subclause 7.3.117 of 3GPP TS 29.272 [33]. (NOTE x) |
| enodeBId | string | 0..1 | Indicates the eNodeB in which the UE is currently located.  Refer to the eNodeB-ID AVP or Extended-eNodeB-ID AVP as defined in subclause 7.3.198 or subclause 7.3.218 of 3GPP TS 29.272 [33]. |
| routingAreaId | string | 0..1 | Identifies the Routing Area Identity of the user where the UE is located.  Refer to the Routing-Area-Identity AVP as defined in subclause 7.3.120 of 3GPP TS 29.272 [33]. |
| trackingAreaId | string | 0..1 | Identifies the Tracking Area Identity of the user where the UE is located.  Refer to the Tracking-Area-Identity AVP as defined in subclause 7.3.118 of 3GPP TS 29.272 [33]. (NOTE y) |
| plmnId | string | 0..1 | Identifies the PLMN Identity of the user where the UE is located.  Refer to the Visited-PLMN-Id AVP as defined in subclause 7.3.9 of 3GPP TS 29.272 [33]. |
| twanId | string | 0..1 | Identifies the TWAN Identity of the user where the UE is located. |
| geographicArea | GeographicArea | 0..1 | Identifies a geographic area of the user where the UE is located. |
| NOTE x: For NEF, the context of the property shall refer to the Ecgi or Ncgi data type as defined in subclause 5.4.4.5 or subclause 5.4.4.6 of 3GPP TS 29.571 [45].  NOTE y: For NEF, the context of the property shall refer to the Tai data type as defined in subclause5.4.4 of 3GPP TS 29.571 [45]]. | | | |

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

###### 5.4.3.3.3.3 PATCH

The PATCH method allows the SCS/AS to modify an existing subscription resource, in order to notify the SCEF about the selected transfer policy. The SCS/AS shall initiate the HTTP PATCH message and the SCEF shall respond to the message.

This method shall support request and response data structures, and response codes, as specified in the table 5.4.3.3.3.3-1.

Table 5.4.3.3.3.3-1: Data structures supported by the PATCH request/response by the resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Request body | Data type | Cardinality | Remarks | |
| BdtPatch | 1 | Background data transfer policy selected by the SCS/AS. | |
| Response body | Data type | Cardinality | Response  codes | Remarks |
| Bdt | 1 | 200 OK | The resource was modified successfully.  The SCEF shall return an updated subscription in the response payload body. |
| none |  | 204 No Content | The resource was modified successfully. |
| NOTE: The mandatory HTTP error status codes for the GET method listed in table 5.2.6-1 also apply. | | | | |

\*\*\* End of Changes \*\*\*