**3GPP TSG-SA5 Meeting #138-e *S5-214338***

**e-meeting, 23 - 31 August 2021**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **32.291** | **CR** | **0335** | **rev** | **-** | **Current version:** | **16.8.1** |  |
|  | | | | | | | | |
| *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:*** | Clarify the Presence Reporting Area information | | | | | | | | | |
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| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI16 | | | | |  | ***Date:*** | | | 2021-08-06 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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: | | As per the TS 32.291, the data type "PresenceInfo" as re-used data types specified in TS 29571 is used for presenceReportingAreaInformation. The location related attributes within the "PresenceInfo",such as trackingAreaList, ecgiList and so on, are unnecessary for PRA Charging. | | | | | | | | |
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| ***Summary of change:*** | | Add the description to clarify the "PresenceInfo". | | | | | | | | |
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| ***Consequences if not approved:*** | | Unclear data type PresenceInfo for PRA Charging. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.1.6.2.2.6 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

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| **First change** |

###### 6.1.6.2.2.6 Type PDUSessionChargingInformation

Table 6.1.6.2.2.6-1: Definition of type PDUSessionChargingInformation

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| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| chargingId | ChargingId | OM | 0..1 | Charging identifier for correlation between different records of a single PDU session |  |
| homeProvided ChargingId | ChargingId | Oc | 0..1 | Charging identifier for correlation between H-SMF and V-SMF. |  |
| userInformation | UserInformation | OM | 0..1 | including information of user and user equipment, |  |
| userLocationinfo | UserLocation | OC | 0..1 | provides information on the location |  |
| mAPDUNon3GPPUserLocationInfo | UserLocation | OC | 0..1 | provides information on the location under the non-3GPP access for the MA PDU session | ATSSS |
| presenceReportingAreaInformation | map(PresenceInfo) | OC | 0..N | When the data type is present in response message, it includes the PRA information provisioned by the CHF, in which case the "presenceState" attribute within the PresenceInfo data type shall not be supplied. When the data type is present in request message, it’s used to report user presence reporting area status.  The "praId" attribute within the PresenceInfo data type shall be the key of the map.  The location related attributes (e.g. "trackingAreaList", "ecgiList") within the PresenceInfo data type are not needed in the request message. |  |
| uetimeZone | TimeZone | OC | 0..1 | the UE Timezone the UE is currently located |  |
| pduSessionInformation | PDUSessionInformation | OC | 0..1 | PDU session level information, including PDU session ID, PDU type, SSC Mode, QoS, network slicing etc.  It needs to be present in the request, but it is optional in the response. |  |
| unitCountInactivityTimer | DurationSec | OC | 0..1 | threshold for the time period resource idle  Upon the initial interaction with the CHF, the SMF use this attribute to provide pre-configured threshold to CHF.  when present in response message, it contains the threshold supplied by CHF in response of initial request to override existing threshold in SMF.  It’s only present when unit count inactivity timer trigger is active. |  |
| rANSecondaryRATUsageReport | RANSecondaryRATUsageReport | OC | 0..1 | Secondary RAT usage reported from RAN. |  |

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| **End of change** |