**3GPP TSG-CT WG3 Meeting #142 *C3-253121r1***

**Gothenburg, SE, 25 - 29 August 2025**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.522** | **CR** | **1651** | **rev** | **1** | **Current version:** | **19.3.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Clarification on AF requested slice replacement for individual UE | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | ZTE, Huawei | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI19\_SliceSel | | | | |  | ***Date:*** | | | 2025-08-19 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | According to the SA2 reply LS S2-2506490/S2-2506673, when the AF has the same slice replacement requirements for more than one UE, the AF should provide such requirements via different requests, i.e., AF request for a single UE at a time. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Clarify in AmInfluSub data type definition that the "gpsi" attribute shall be included if "sliceReplReqInfo" attribute is present. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Not aligned with SA2 requirement. The "gpsi" attribute may not be provided together with "sliceReplReqInfo" attribute. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.18.3.3.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 does not have any impact in the OpenAPI specification. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

**Additional discussion(if needed):**

**Proposed changes:**

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

##### 5.18.3.3.2 Type: AmInfluSub

This type represents an AM influence subscription. The same structure is used in the subscription request and subscription response.

Table 5.18.3.3.2-1: Definition of type AMInfluSub

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability  (NOTE 1) |
| afTransId | string | M | 1 | Identifies an NEF Northbound interface transaction request, generated by the AF. |  |
| gpsi | Gpsi | O | 0..1 | Identifies a user with GPSI.  (NOTE 3) |  |
| externalGroupId | ExternalGroupId | O | 0..1 | Identifies a group of users.  (NOTE 3) |  |
| anyUeInd | boolean | O | 0..1 | Identifies whether the AF request applies to any UE (i.e. all non-roaming UEs).  - Set to "true": the AF request is applicable to any UE (i.e. all non-roaming UEs).  - Set to "false": the AF request is not applicable to any UE (i.e. all non-roaming UEs).  - Default value is "false" if omitted.  (NOTE 2) (NOTE 3) |  |
| roamUePlmnIds | array(PlmnId) | O | 1..N | Indicates a list of PLMNs representing the home PLMN for the inbound roaming UEs in LBO roaming scenarios.  (NOTE 3) (NOTE 5) | DCAMP\_Roaming\_LBO |
| dnnSnssaiInfos | array(DnnSnssaiInformation) | O | 1..N | Each of the element identifies a combination of (DNN, S-NSSAI). |  |
| afAppIds | array(string) | O | 1..N | Identifies application(s). |  |
| highThruInd | boolean | C | 0..1 | Indicates whether high throughput is desired for UE traffic. Set to "true" if high throughput is desired; otherwise set to "false". Default value is "false" if omitted.  (NOTE 4) |  |
| geoAreas | array(GeographicalArea) | C | 1..N | Identifies geographical areas of the user where the request is applicable.  (NOTE 4) |  |
| policyDuration | DurationSec | O | 0..1 | Indicates the time duration that the policy shall last. |  |
| sliceReplReqInfo | SliceReplReqInfo | C | 0..1 | Represents the requested Network Slice Replacement requirements information.  (NOTE 4) | AfNetSliceRepl |
| self | Link | C | 0..1 | Link to the created resource.  This parameter shall be supplied by the NEF in HTTP responses that include an object of AmInfluSub type. |  |
| subscribedEvents | array(AmInfluEvent) | O | 1..N | Identifies the requirement to be notified of the event(s). |  |
| notificationDestination | Link | C | 0..1 | Contains the Callback URL to receive the notification from the NEF.  It shall be present if the "subscribedEvents" is present. |  |
| requestTestNotification | boolean | O | 0..1 | Set to true by the AF to request the NEF to send a test notification as defined in clause 5.2.5.3 of 3GPP TS 29.122 [4]. The default value is "false" if omitted. | Notification\_test\_event |
| websockNotifConfig | WebsockNotifConfig | O | 0..1 | Configuration parameters to set up notification delivery over Websocket protocol. | Notification\_websocket |
| suppFeat | SupportedFeatures | C | 0..1 | Indicates the list of Supported features used as described in clause 5.18.4.  This attribute shall be provided in the POST request and in the response of successful resource creation. |  |
| NOTE 1: Properties marked with a feature as defined in clause 5.18.4 are applicable as described in clause 5.2.7 of 3GPP TS 29.122 [4]. If no feature is indicated, the related property applies for all the features.  NOTE 2: If target to any non-roaming UE, then "anyUeInd" attribute together with "dnnSnssaiInfos" attribute or "afAppIds" attribute shall be included.  NOTE 3: One of individual UE identifier (i.e. "gpsi" attribute), External Group Identifier (i.e. "externalGroupId" attribute) or any UE indication (i.e. "anyUeInd" attribute) or any inbound roaming UEs PLMN ID (i.e. "roamUePlmnIds") shall be included. When the "AfNetSliceRepl" is supported and the "sliceReplReqInfo" attribute is present, then it is the "gpsi" attribute that shall be present.  NOTE 4: At least one of these attributes shall be present.  NOTE 5: "roamUePlmnIds" attribute is applicable only in LBO roaming scenarios and if "afAppIds" attribute or "dnnSnssaiInfos" is provided. | | | | | |

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