**3GPP TSG-CT WG4 Meeting #111-eC4-224abc**

**E-Meeting, 18th – 26th August 2022 *was C4-224272***

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| --- |
| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  |  | **CR** |  | **rev** | **1** | **Current version:** |  |  |
|  |
| *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:***  |  |
|  |  |
| ***Source to WG:*** |  |
| ***Source to TSG:*** | CT4 |
|  |  |
| ***Work item code:*** |  |  | ***Date:*** | 2022-08-22 |
|  |  |  |  |  |
| ***Category:*** |  |  | ***Release:*** |  |
|  | *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 canbe 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)* |
|  |  |
| ***Reason for change:*** | For N2 Info Subscription, TS 29.518 has specified the condition of the two IEs specifying the targets of the subscription:**Table 6.1.6.2.10-1: Definition of type NonUeN2InfoSubscriptionCreateData**

|  |  |
| --- | --- |
| **Attribute name** | **Description** |
| globalRanNodeList | This IE shall be included if the subscription is for N2 information from RAN node(s) for which the N2 information notification is subscribed (i.e N3IWF identifier or gNB identifier or Ng-eNB identifier). |
| anTypeList | This IE shall be included, if the globalRanNodeId IE is not included and if the N2 information from a specific access network needs to be subscribed. When included this IE shall contain the access type of the access network from which Non UE specific N2 information is to be notified. |

However, it is not clear on the expected behavior when both IEs are absent. |
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| ***Summary of change:*** | Table note added to clarify that absence of these two IEs indicate that the subscription is for any connected Access Network nodes via any access type. |
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| ***Consequences if not approved:*** | Ambiguity in specifications, leads to interworking issues between different vendors with different interpretation. |
|  |  |
| ***Clauses affected:*** | 6.1.6.2.10 |
|  |  |
|  | **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 require version update on OpenAPI files. |
|  |  |
| ***This CR's revision history:*** | Rev1:- Change RAN to Access Network (AN).- Editorial Correction. |

\* \* \* First Change \* \* \* \*

##### 6.1.6.2.10 Type: NonUeN2InfoSubscriptionCreateData

Table 6.1.6.2.10-1: Definition of type NonUeN2InfoSubscriptionCreateData

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description |
| globalRanNodeList | array(GlobalRanNodeId)) | C | 1..N | This IE shall be included if the subscription is for N2 information from RAN node(s) for which the N2 information notification is subscribed (i.e N3IWF identifier or gNB identifier or Ng-eNB identifier).(NOTE) |
| anTypeList | array(AccessType) | C | 1..N | This IE shall be included, if the globalRanNodeId IE is not included and if the N2 information from a specific access network needs to be subscribed. When included this IE shall contain the access type of the access network from which Non UE specific N2 information is to be notified.(NOTE) |
| n2InformationClass | N2InformationClass | M | 1 | This IE represents the class of N2 information that the NF Service Consumer requires to be notified. |
| n2NotifyCallbackUri | Uri | M | 1 | This IE represents the callback URI on which the N2 information shall be notified. |
| nfId | NfInstanceId | C | 0..1 | This IE shall be present if the subscription is for "NRPPa" N2 information class and/or "LPP" N1 information class. When present, this IE shall carry the value to be used for NGAP "Routing ID" IE, which identifies the Network Function (e.g. LMF) instance handling the NRPPa and/or LPP data.This IE may also be present if the subscription is for "PWS" N2 information class. When present, this IE shall carry the instance identity of the network function (e.g. CBCF or PWS-IWF) creating the subscription. |
| supportedFeatures | SupportedFeatures | C | 0..1 | This IE shall be present if at least one optional feature defined in clause 6.1.8 is supported.  |
| NOTE: Absence of both IEs means the subscription is for N2 information from all connected Access Network node(s) via any access type. |

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