**3GPP TSG-CT WG4 Meeting #110-eC4-223aaa**

**E-Meeting, 12th – 20th May 2022**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.503** | **CR** | **nnnn** | **rev** | **-** | **Current version:** | **V17.6.0** |  |
|  | | | | | | | | |
| *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:*** | EPS PEI Timestamp | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Hewlett Packard Enterprise | | | | | | | | | |
| ***Source to TSG:*** | CT4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | SBIProtoc17 | | | | |  | ***Date:*** | | | 2022-05-16 |
|  |  | | | |  | |  | | |  |
| ***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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | A timestamp should be added in PeiUpdateInfo so that PEI change can be determined when the subscriber roams between 5GC and EPC. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Add timestamp in PeiUpdateInfo | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | There is no way to determine PEI change when the subscriber roams between 5GC and EPC. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.2.6.2.18, A3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **Y** |  | Other core specifications | | | | TS 29.505 CR 223100 | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | | This CR makes backward compatibility changes in A.3 Nudm\_UECM API. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

**\*\*\*\*\*\*\***

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

##### 6.2.6.2.18 Type: PeiUpdateInfo

Table 6.2.6.2.18-1: Definition of type PeiUpdateInfo

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description |
| pei | Pei | M | 1 | Permanent Equipment Identifier |
| timestamp | DateTime | C | 0..1 | The time when the PEI is updated in the EPC domain.  Shall be present on the Nudr.  May be present on the Nudm. |

\* \* \* Next Changes \* \* \* \*

## A.3 Nudm\_UECM API

<…skip…>

RegistrationLocationInfo:

type: object

required:

- amfInstanceId

- accessTypeList

properties:

amfInstanceId:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/NfInstanceId'

plmnId:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/PlmnId'

vgmlcAddress:

$ref: '#/components/schemas/VgmlcAddress'

accessTypeList:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/AccessType'

minItems: 1

maxItems: 2

VgmlcAddress:

type: object

properties:

vgmlcAddressIpv4:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Ipv4Addr'

vgmlcAddressIpv6:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Ipv6Addr'

vgmlcFqdn:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Fqdn'

PeiUpdateInfo:

type: object

required:

- pei

properties:

pei:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Pei'

timestamp:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/DateTime'

RegistrationDatasetNames:

type: array

items:

$ref: '#/components/schemas/RegistrationDataSetName'

minItems: 2

uniqueItems: true

RegistrationDataSets:

type: object

properties:

amf3Gpp:

$ref: '#/components/schemas/Amf3GppAccessRegistration'

amfNon3Gpp:

$ref: '#/components/schemas/AmfNon3GppAccessRegistration'

smfRegistration:

$ref: '#/components/schemas/SmfRegistrationInfo'

smsf3Gpp:

$ref: '#/components/schemas/SmsfRegistration'

smsfNon3Gpp:

$ref: '#/components/schemas/SmsfRegistration'

ipSmGw:

$ref: '#/components/schemas/IpSmGwRegistration'

nwdafRegistration:

$ref: '#/components/schemas/NwdafRegistrationInfo'

<…skip…>

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