**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** |

|  |
| --- |
|  |
| ***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 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-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 \* \* \* \*