**3GPP TSG-CT WG1 Meeting #126-eC1-20xxxx**

**Electronic meeting, 15-23 October 2020 was C1-206004**

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| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **24.486** | **CR** | **0039** | **rev** | **1** | **Current version:** | **16.1.0**  |  |
|  |
| *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 | **X** | Radio Access Network |  | Core Network | **X** |

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|  |
| ***Title:***  | XML schema for PC5 parameters provisioning procedure |
|  |  |
| ***Source to WG:*** | Huawei, Hisilicon |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** | V2XAPP |  | ***Date:*** | 2020-10-01 |
|  |  |  |  |  |
| ***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 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-12 (Release 12)**Rel-13 (Release 13)Rel-14 (Release 14)Rel-15 (Release 15)Rel-16 (Release 16)* |
|  |  |
| ***Reason for change:*** | The specification needs to define the XML scheme for PC5 parameters provisioning procedure. |
|  |  |
| ***Summary of change:*** | 1. Add the XML scheme for PC5 parameters provisioning procedure; |
|  |  |
| ***Consequences if not approved:*** | The XML scheme for PC5 parameters provisioning procedure is missing. |
|  |  |
| ***Clauses affected:*** | 8.4.2 |
|  |  |
|  | **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's revision history:*** |  |

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

### 8.4.2 XML schema

<?xml version="1.0" encoding="UTF-8"?>

<xs:schema xmlns:xs=<http://www.w3.org/2001/XMLSchema>

targetNamespace="urn:3gpp:ns:vaeInfo:1.0"

xmlns:vaeinfo="urn:3gpp:ns:vaeInfo:1.0"

elementFormDefault="qualified"

attributeFormDefault="unqualified"

xmlns:xenc="http://www.w3.org/2001/04/xmlenc#">

 <!-- root XML element -->

 <xs:element name="vae-info" type="vaeinfo:vaeinfo-Type" id="info"/>

 <xs:complexType name="vaeinfo-Type">

 <xs:sequence>

 <xs:element name="registration-info" type="vaeinfo:tRegistrationType" minOccurs="0"/>

 <xs:element name="set-pc5-parameters-info" type="vaeinfo:tSetPC5ParametersInfoType"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="tRegistrationType">

 <xs:sequence>

 <xs:element name="v2x-ue-id" type="vaeinfo:contentType" minOccurs="0" maxOccurs="1"/>

 <xs:element name="v2x-service-id" type="xs:string" minOccurs="0" maxOccurs="unbounded"/>

 <xs:element name="result" type="xs:string" minOccurs="0" maxOccurs="1"/>

 <xs:any namespace="##other" processContents="lax"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="tSetPC5ParametersInfoType">

 <xs:sequence>

 <xs:element name="v2x-ue-id" type="vaeinfo:contentType" minOccurs="0" maxOccurs="1"/>

 <xs:element name="pc5-parameters-configuration-data" type="vaeinfo:tPC5ParametersConfigurationDataType" minOccurs="0" maxOccurs="1"/>

 <xs:element name="result" type="xs:string" minOccurs="0" maxOccurs="1"/>

 <xs:element name="anyExt" type="vaeinfo:anyExtType" minOccurs="0"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="contentType">

 <xs:choice>

 <xs:element name="vaeURI" type="xs:anyURI"/>

 <xs:element name="vaeString" type="xs:string"/>

 <xs:element name="vaeBoolean" type="xs:boolean"/>

 <xs:any namespace="##other" processContents="lax"/>

 </xs:choice>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="tPC5ParametersConfigurationDataType">

 <xs:sequence>

 <xs:element name="expiration-time" type="xs:dateTime" minOccurs="1" maxOccurs="1"/>

 <xs:element name="plmn-list" type="vaeinfo:tPlmnType" minOccurs="1" maxOccurs="1"/>

 <xs:element name="authorized-when-not-served-by-E-UTRAN" type="xs:string" minOccurs="0" maxOccurs="1"/>

 <xs:element name="radio-parameters" type="vaeinfo:tRadioParametersType" minOccurs="1" maxOccurs="1"/>

 <xs:element name="v2x-service-ids-list" type="vaeinfo:tIDListType" minOccurs="1" maxOccurs="unbounded"/>

 <xs:element name="anyExt" type="vaeinfo:anyExtType" minOccurs="0"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="tPlmnType">

 <xs:sequence>

 <xs:element name="plmn-id" type="vaeinfo:contentType" minOccurs="1" maxOccurs="unbounded"/>

 <xs:element name="anyExt" type="vaeinfo:anyExtType" minOccurs="0"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="tRadioParametersType">

 <xs:sequence>

 <xs:element name="radio-parameters-content" type="xs:string" minOccurs="1" maxOccurs="unbounded"/>

 <xs:element name="geographical-area" type="vaeinfo:tGeographicalAreaDef"/>

 <xs:element name="anyExt" type="vaeinfo:anyExtType" minOccurs="0"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="tIDListType">

 <xs:sequence>

 <xs:element name="v2x-service-id" type="vaeinfo:contentType" minOccurs="1" maxOccurs="unbounded"/>

 <xs:element name="layer2-id" type="vaeinfo:contentType" minOccurs="1" maxOccurs="unbounded"/>

 <xs:element name="anyExt" type="vaeinfo:anyExtType" minOccurs="0"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="tGeographicalAreaDef">

 <xs:sequence>

 <xs:element name="polygon-area" type="vaeinfo:tPolygonAreaType" minOccurs="0"/>

 <xs:element name="ellipsoid-arc-area" type="vaeinfo:tEllipsoidArcType" minOccurs="0"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 <xs:element name="anyExt" type="vaeinfo:anyExtType" minOccurs="0"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="tPolygonAreaType">

 <xs:sequence>

 <xs:element name="corner" type="vaeinfo:tPointCoordinate" minOccurs="3" maxOccurs="15"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 <xs:element name="anyExt" type="vaeinfo:anyExtType" minOccurs="0"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="tEllipsoidArcType">

 <xs:sequence>

 <xs:element name="center" type="vaeinfo:tPointCoordinate"/>

 <xs:element name="radius" type="xs:nonNegativeInteger"/>

 <xs:element name="offset-angle" type="xs:unsignedByte"/>

 <xs:element name="included-angle" type="xs:unsignedByte"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 <xs:element name="anyExt" type="vaeinfo:anyExtType" minOccurs="0"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

 <xs:complexType name="tPointCoordinate">

 <xs:sequence>

 <xs:element name="longitude" type="vaeinfo:tCoordinateType"/>

 <xs:element name="latitude" type="vaeinfo:tCoordinateType"/>

 <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>

 <xs:element name="anyExt" type="vaeinfo:anyExtType" minOccurs="0"/>

 </xs:sequence>

 <xs:anyAttribute namespace="##any" processContents="lax"/>

 </xs:complexType>

</xs:schema>

\* \* \* End of Change \* \* \* \*