**3GPP TSG-CT WG4 Meeting #98eC4-203abc**

**E-Meeting, 02nd – 12th June 2020 *was* C4-203270**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.572** | **CR** | **0063** | **rev** | **1** | **Current version:** | **16.2.0** |  |
|  | | | | | | | | |
| *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:*** | LDRreference | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | CT4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5G\_eLCS | | | | |  | ***Date:*** | | | 2020-05-20 |
|  |  | | | |  | |  | | |  |
| ***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 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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | 1.Ldr Reference is allocated either by NEF or by HGMLC in Deferred 5GC-MT-LR Procedure, and it should be mandatory during Deferred 5GC-MT-LR Procedure. The existing P column of ldrReference in data model InputData (the data model is used in the request message of DetermineLocation service operation) is defined as O, it should be corrected to C and add the text to describe the condition.  2.The hgmlc CallBack UR is also be mandatory in Deferred 5GC-MT-LR Procedure. The column of hgmlcCallBackURI in data model InputData (the data model is used in the request message of DetermineLocation service operation) should be defined as C and the text related to condition should be added into the description. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Changed the value from “O” to “C”in P column of ldrReference and added the text to describe the condition of presence.  Changed the value from “O” to “C”in P column of hgmlcCallBackURI and added the text to describe the condition of presence. | | | | | | | | |
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| ***Consequences if not approved:*** | | Misalignment with stage 2. | | | | | | | | |
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| ***Clauses affected:*** | | 6.1.6.2.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS 23.501 CR 2302 | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | | This CR won’t introduce any impacts to the OpenAPI specification files. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Rev1:   1. Added the revison on hgmlcCallBackURI in data model InputData. 2. Reverted the previous second change. | | | | | | | | |

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*The start of changes\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

##### 6.1.6.2.2 Type: InputData

Table 6.1.6.2.2-1: Definition of type InputData

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description |
| externalClientType | ExternalClientType | O | 0..1 |  |
| correlationID | CorrelationID | O | 0..1 |  |
| amfId | NfInstanceId | O | 0..1 | Indicates the AMF Instance serving the UE. LMF shall use the AMF Instance to forward LCS related N1/N2 messages to the UE/RAN. |
| locationQoS | LocationQoS | O | 0..1 |  |
| supportedGADShapes | array(SupportedGADShapes) | O | 1..N |  |
| supi | Supi | O | 0..1 |  |
| pei | Pei | O | 0..1 |  |
| gpsi | Gpsi | O | 0..1 |  |
| ecgi | Ecgi | O | 0..1 | When present, this IE shall indicate the identifier of the E-UTRAN cell serving the UE or the serving cell identifier of the Primary Cell in the Master RAN Node that is an E-UTRAN node on Dual Connectivity scenarios.  (NOTE 2) |
| ecgiOnSecondNode | Ecgi | O | 0..1 | When present, the serving cell identifier of the Primary Cell in the Secondary RAN Node that is an E-UTRAN node when available on Dual Connectivity scenarios.  (NOTE 3) (NOTE 4) |
| ncgi | Ncgi | O | 0..1 | When present, this IE shall indicate the identifier of the NR cell serving the UE or the serving cell identifier of the Primary Cell in the Master RAN Node that is a NR node on Dual Connectivity scenarios.  (NOTE 2) |
| ncgiOnSecondNode | Ncgi | O | 0..1 | When present, the serving cell identifier of the Primary Cell in the Secondary RAN Node that is a NR node when available on Dual Connectivity scenarios.  (NOTE 3) (NOTE 4) |
| priority | LcsPriority | O | 0..1 |  |
| velocityRequested | VelocityRequested | O | 0..1 |  |
| ueLcsCap | UeLcsCapability | O | 0..1 | When present, this IE shall indicate the LCS capability supported by the UE. |
| lcsServiceType | LcsServiceType | O | 0..1 | The LCS service type |
| ldrType | LdrType | O | 0..1 | The type of LDR |
| hgmlcCallBackURI | Uri | C | 0..1 | Callback URI of the H-GMLC.  It shall be present, if attribute LdrType is present. |
| ldrReference | LdrReference | C | 0..1 | LDR Reference Number.  It shall be present, if attribute LdrType is present. |
| periodicEventInfo | PeriodicEventInfo | C | 0..1 | Information for periodic event reporting |
| areaEventInfo | AreaEventInfo | C | 0..1 | Information for area event reporting |
| motionEventInfo | MotionEventInfo | C | 0..1 | Information for motion event reporting |
| reportingAccessTypes | ReportingAccessTypes | O | 0..1 | Allowed access types for event reporting |
| ueConnectivityStates | array(UeConnectivityState) | O | 1..N | When present, this IE shall indicate the UE connectivity state per access type |
| ueLocationServiceInd | UeLocationServiceInd | C | 0..1 | If UE sends an MO-LR Request message, this IE shall be present and indicate the request type for a 5GC-MO-LR. |
| lppMessage | RefToBinaryData | C | 0..1 | If UE includes the LPP message in MO-LR Request, this IE shall be present and Indicate the binary data of LPP message. |
| NOTE 1: At least one of the attributes defined in this table shall be present in the InputData structure.  NOTE 2: Attribute "ecgi" and "ncgi" shall not be present at the same time.  NOTE 3: Attribute "ecgiOnSecondNode" and "ncgiOnSecondNode" shall not be present at the same time.  NOTE 4: Attribute "ecgiOnSecondNode" or "ncgiOnSecondNode" shall not be present if neither attribute "ecgi" nor "ncgi" is present. | | | | |

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*The end of changes\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*