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

**E-Meeting, 18th – 26th August 2022 *Revision of C4-224283***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.571** | **CR** | **0376** | **rev** | **1** | **Current version:** | **17.6.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Correction of ECS Configuration Information | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | CT4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eEDGE\_5GC | | | | |  | ***Date:*** | | | 2022-07-19 |
|  |  | | | |  | |  | | |  |
| ***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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | As defined in clause 6.5.2.1 of 3GPP TS 23.548:  *The ECS Address Configuration Information consists of one or more ECS Configuration Information as defined in clause 8.3.2.1 of TS 23.558 [5]. The ECS Configuration Information may contain Spatial Validity Conditions, which includes one of the following alternatives:*  *- a Geographical Service Area (see TS 23.558**[5]);*  *- a list of TA(s); or*  *- a list of countries (list of MCC).*  And in clause 8.3.2.1 of 3GPP TS 23.558, ECS configuration information consists of one or more endpoint information (e.g. URI(s), FQDN(s), IP address(es)) of ECS(s), and optionally the corresponding ECS Provider Identifier.  ECS server address with URI is not supported. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Define URI in EcsServerAddr | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Misalignment with stage2;  ECS server address identified by URI can not be supported. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.4.4.69, A.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 contribution introduces backward compatible corrections to the YAML files:  TS29503\_Nudm\_PP.yaml  TS29503\_Nudm\_SDM.yaml  TS29505\_Subscription\_Data.yaml  TS29522\_EcsAddressProvision.yaml  TS29571\_CommonData.yaml | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Rev1: revert the changes on Spatial Validity Condition | | | | | | | | |

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

#### 5.4.4.69 Type: EcsServerAddr

Table 5.4.4.69-1: Definition of type EcsServerAddr

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description |
| ecsFqdnList | array(Fqdn) | C | 1..N | This IE shall be included if available.  When present, it shall contain the list of FQDN(s) of the Edge Configuration Server(s). |
| ecsIpAddressList | array(IpAddr) | C | 1..N | This IE shall be included if available.  When present, it shall contain the list of IP Address (es) of the Edge Configuration Server(s). |
| ecsUriList | array(Uri) | C | 1..N | This IE shall be included if available.  When present, it shall contain the list of URI(s) of the Edge Configuration Server(s). |
| ecsProviderId | string | C | 0..1 | This IE shall be included if available.  When present, it shall contain the identifier of the Edge Configuration Server Provider. |

\* \* \* Next Change \* \* \* \*

# A.2 Data related to Common Data Types

openapi: 3.0.0

info:

version: '1.3.0'

title: 'Common Data Types'

description: |

Common Data Types for Service Based Interfaces.

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[…]

EcsServerAddr:

description: >

Contains the Edge Configuration Server Address Configuration Information as defined in

clause 5.2.3.6.1 of 3GPP TS 23.502.

type: object

properties:

ecsFqdnList:

type: array

items:

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

minItems: 1

ecsIpAddressList:

type: array

items:

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

minItems: 1

ecsUriList:

type: array

items:

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

minItems: 1

ecsProviderId:

type: string

[…]

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