**3GPP TSG-SA WG6 Meeting #44 S6-211579**

**e-meeting, 12th – 20th July 2021 (revision of S6-21xxxx)**

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| --- |
| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **23.558** | **CR** | **0001** | **rev** | **-** | **Current version:** | **<17.0.0>** |  |
|  |
| *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:***  | Update on ECS configuration information |
|  |  |
| ***Source to WG:*** | Samsung |
| ***Source to TSG:*** | S6 |
|  |  |
| ***Work item code:*** | <EDGEAPP> |  | ***Date:*** | <2021-07-07> |
|  |  |  |  |  |
| ***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:*** | The description on ECS Address in ECS Configuration information is not aligned with description on other address information in this TS. It is not also consistent with the description on ECS Address Configuration information in clause 6.5.2.1 of TS 23.548.  |
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| ***Summary of change:*** | The description on ECS Address information element is revised to keep it aligned with that on other address information elements in SA6 TS 23.558 and SA2. |
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| ***Consequences if not approved:*** | The description on ECS address information is not algined with that on other servers in TS 23.556 and not consistent with the description on ECS Address Configuration information specified in TS 23.548.  |
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| ***Clauses affected:*** | 8.3.2.1 |
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|  | **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 \* \* \* \*

### 8.3.2 ECS Discovery

#### 8.3.2.1 General

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. Table 8.3.2.1-1 describes the information elements of ECS configuration information. ECS configuration information can be

- pre-configured with the EEC;

- configured by an edge-aware AC;

- configured by the user;

- provisioned by MNO through 5GC procedure if the UE has the capability to deliver the ECS configuration information to the EEC on the UE (see 3GPP TS 23.548 [20], clause 6.5.2); or

- derived from HPLMN identifier for non-roaming scenario or from VPLMN identifier for roaming scenario.

NOTE: How the ECS configuration information is configured to the EEC by the AC, user, or pre-configuration is out of scope of the present specification.

It may be possible to provide the ECS configuration information to the EEC from the 5GC if the UE has the capability to deliver the ECS configuration information to the EEC on the UE.

If the ECS configuration information is provided by 5GC and available at the EEC, the EEC shall use the information for the initial provisioning request. Otherwise, the EEC shall use pre-configured ECS address for the initial provisioning if ECS configuration information is preconfigured with the EEC.

Table 8.3.2.1-1: ECS configuration information

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| --- | --- | --- |
| Information element | Status | Description |
| ECS address  | M | One or more endpoint information (e.g. URI(s), FQDN(s), IP address(es)) of ECS(s) |
| ECS Provider Identifier | O | The identifier of the ECSP that provides the ECS.  |

Editor's Note: Information Elements of ECS configuration information are FFS.