**3GPP TSG-WG SA4 127-bis-e meeting *S4-240629***

**e-Meeting, April 8 - 12, 2024**

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| *CR-Form-v12.2* | | | | | | | | |
| **Pseudo CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **26.113** | **CR** |  | **rev** |  | **Current version:** | **1.1.0** |  |
|  | | | | | | | | |
| *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:*** | [iRTCW] Update on SWAP for alignment with 26.565 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Samsung Electronics, Co., LTD | | | | | | | | | |
| ***Source to TSG:*** | S4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | iRTCW | | | | |  | ***Date:*** | | |  |
|  |  | | | |  | |  | | |  |
| ***Category:*** |  |  | | | | | ***Release:*** | | | Rel-18 |
|  | *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:*** | | In S4aR240018, it was addressed;  TS 26.565 (SR-MSE) is currently referring SWAP protocol to be supported by both SRC and SRS. Need to confirm especially with regards to the SR procedure using SWAP specified in clause 8.2 of 26.565.  matching\_criteria provides a type of processing for a profile description of processing capabilities. In SR\_MSE, SRS is using matching\_criteria to register with SWAP server and it should support multiple media encoding/decoding capabilities to support various device types. As both encoding/decoding are involved in a single SR process, this pCR clarifies the usage of processing type for split rendering case. | | | | | | | | |
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| ***Summary of change:*** | | Clarification of processing type for SR case is added | | | | | | | | |
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| ***Consequences if not approved:*** | | It may bring some confusions in usage of matching\_criteria when SR is applied | | | | | | | | |
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| ***Clauses affected:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  |  | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  |  | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  |  | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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| **First Change** |

13.2.4.4.2 Register message

13.2.4.4.2.1 Description

An endpoint registers with the SWAP server and provides the matching criteria that may be used to match this endpoint with incoming connection requests.

The register message is not required for the case of a direct connection between the two endpoints.

13.2.4.4.2.2 Parameters

matching\_criteria: an object that provides the matching criteria for relaying incoming SWAP messages to their destination. The matching criteria object consists of a type and a value.

The supported types in this version of the specification are the following:

- ipv4: The IPv4 address of the target endpoint

- ipv6: The IPv6 address of the target endpoint

- fqdn: The FQDN of the target endpoint

- service: An identifier of a service or an application

- user: An identifier of the user such as a SIP address, a GPSI, or an MSISDN

- eas: An EAS identifier

- app: application-specific matching criteria that is compared using binary or string comparison

- location: one or more identifiers of a geographic location or area

- qos: a description of the QoS that is supported by the connection to the endpoint

- processing: a profile description of the processing capabilities of the endpoint.

The matching criteria may be combined together to further restrict the selection of the target endpoint. If multiple endpoints match all provided criteria, then the SWAP server shall randomly select one of the target endpoints.

An endpoint that registers without providing certain matching criteria, such as qos or processing, shall be deprioritized during the selection process, where the request contains these matching criteria.

An endpoint that supports multiple media capabilities, the processing type in matching criteria should be represented as a pair of media decoding (as input of split rendering process) and encoding (as output of split rendering process).