**3GPP TSG-SA5 Meeting # *155 S5-243055***

Jeju, South Korea, 27 - 31 May 2024

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **32.256** | **CR** | **0034** | **rev** | **1** | **Current version:** | **18.3.0** |  |
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| *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:***  | Rel-18 CR 32.256 Correction roaming architecture decision |
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| ***Source to WG:*** | Ericsson LM |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** | CHRACHF |  | ***Date:*** | 2024-05-16 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***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 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)* |
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| ***Reason for change:*** | There are two charging architectures specified for the roaming case and one or both architectures in figure 4.2.2.2 and figure 4.2.2.3 of TS 32.256. AMF and V-CHF determines which architecture should be selected for a roaming UE based on operator agreement.To apply N107 or N41, the decision logic can be made by the AMF. It can avoid a scenario where AMF makes decision on N41 and V-CHF makes decision on N107. The AMF can base the decision on wherever the CHF supports INTER\_CHF from the supported feature in the NRF.When AMF decides to apply N107, AMF may want V-CHF to setup N107 inter-CHF charging session to H-CHF. |
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| ***Summary of change:*** | Introduce new attribute to enable AMF to request V-CHF or MNO CHF to setup N107 charging session to H-CHF or MVNO CHF, and an attribute to allow the CHF to report if N107 has been setup. |
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| ***Consequences if not approved:*** | May lead to interoperability issues if both N41 and N107 were to be used at the same time. |
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| ***Clauses affected:*** | 6.2.1.5 |
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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 ... |
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| ***Other comments:*** |  |
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| ***This CR's revision history:*** | Revision of S5-242790. |

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| **First change** |

6.2.1.5 Definition of inter-CHF information

Specific charging information used for information when the V-CHF have a connection to the H-CHF.

The detailed structure of the inter-CHF Information can be found in table 6.2.1.5.1.

**Table 6.2.1.5.1: Structure of Inter-CHF Information**

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| **Information Element** | **Category** | **Description** |
| Remote CHF resource | OC | This field holds the reference to the Charging Data resource in the CHF not directly connected to the NF (i.e., H-CHF) e.g., the resource URI (NOTE 1) |
| Original NF Consumer Id | OC | This field holds information on the NF triggering the request i.e., AMF (NOTE 2) |
| NOTE 1: The Remote CHF resource is included in the response to the original NF if inter-CHF communication has been used.NOTE 2: The Original NF Consumer Id is included in the request from the original NF if inter-CHF is expected to be used. |

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| **End of changes** |