**3GPP TSG-SA5 Meeting #157 *S5-245879***

Hyderabad, India, 14 - 18 October 2024 Revision of S5-245563

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** | **1** | **Current version:** | **.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:*** | Correction on N107 and N108 for MVNO Charging | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Amdocs | | | | | | | | | |
| ***Source to TSG:*** | SA5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | CHRACHF | | | | |  | ***Date:*** | | | 2024-10-17 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | A |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The N107 and N108 definitions are ambiguous and lack clarity | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Update N107 and N108 reference point definitions | | | | | | | | |
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| ***Consequences if not approved:*** | | There can be confusion on the implementation of N107 or N108 reference points between CHF and consumers | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 4.4.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 32.255 CR 0561  TS 32.256 CR 0044 | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Revision of S5-245563 | | | | | | | | |

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| **First Change** |

### 4.4.3 Charging services Reference point

The common charging architectures are mapped into the specific domain/subsystem/service charging architectures in the respective middle tier TSs, which contain in their reference point representation, the following reference points:

**N28:** Reference point between PCF and CHF defined in TS 23.501[215]**.**

**N40:** Reference point between SMF and the CHF in the same PLMN defined in clause 4.2 of TS 32.255 [15].

**N41:** Reference point between AMF and CHF in different PLMNs defined in clause 4.2 of TS 32.256 [16].

**N42:** Reference point between AMF and CHF in the same PLMN defined in clause 4.2 of TS 32.256 [16].

**N44:** Reference point between NEF and CHF defined in clause 4.4 of TS 32.254 [14].

**N45:** Reference point between IMS Node and CHF defined in clause 4.4 of TS 32.260 [20].

**N46:** Reference point between SMSF and CHF defined in clause 4.4 of TS 32.274 [34].

**N47**: Reference point between SMF and the CHF in different PLMNs defined in clause 4.2 of TS 32.255 [15].

**N48**: Reference point between 5G DDNMF and the CHF in different PLMNs defined in clause 4.4 of TS 32.277 [37].

**N49**: Reference point between EES and CHF defined in clause 4.2.3 of TS 32.257 [17].

**N100**: Reference point between MMS node and CHF defined in clause 4.4 of TS 32.270 [30].

**N101**: Reference point between MB-SMF and the CHF in the same PLMN defined in clause 4.2 of TS 32.279 [39].

**N102**: Reference point between NSACF and the CHF defined in clause 4.2.1 of TS 28.203 [72].

**N103**: Reference point between NSSAAF and the CHF defined in clause 4.2.1 of TS 28.204 [73].

**N104**: Reference point between TSN AF and CHF defined in clause 4.2 of TS 32.282 [42].

**N105**: Reference point between TSCTSF and CHF defined in clause 4.2 of TS 32.282 [42].

**N106**: Reference point between GMLC and CHF defined in clause 4.4 of TS 32.271 [31].

**N107**: Reference point between two CHFs defined in clause 4.2 of TS 32.255 [15] and clause 4.2 of TS 32.256 [16].

**N108**: Reference point between two CHFs (C-CHF to B-CHF) defined in clause 4.3 of TS 32.255 [15] and clause 4.3 of TS 32.256 [16].

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| **End of changes** |