**3GPP TSG-SA5 Meeting #155 *S5-242858rev1***

**Jeju, South Korea, 27 - 31 May 2024**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  |  | **CR** |  | **rev** | **1** | **Current version:** |  |  |
|  |
| *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 TS 32.240 Introduce N108 Reference Point |
|  |  |
| ***Source to WG:*** | MATRIXX Software, Huawei  |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** | B2B\_CH |  | ***Date:*** | 2024-05-14 |
|  |  |  |  |  |
| ***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 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:*** | N108 Reference point defined in TS 32.255, applicable for C-CHF to B-CHF (whereas N107 is applicable for V-CHF to H-CHF) needs to be introduced |
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| ***Summary of change:*** | Add N108 Reference point and improve N107 definition |
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| ***Consequences if not approved:*** | C-CHF to B-CHF not fully supported  |
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| ***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/TR ... CR ...  |
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| ***Other comments:*** | The clause 4.X referred to is the clause introduced under CR#0036 |
|  |  |
| ***This CR's revision history:*** |  |

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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 HPLMN defined in clause 4.2.2 of TS 32.256 [16].

**N42:** Reference point between AMF and CHF in VPLMN defined in clause 4.2.2 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 32.255 [15].

**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].

**N107**: Reference point between two CHFs (V-CHF and H-CHF) 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.X of TS 32.256 [16].

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| **End of change** |