**3GPP TSG- Meeting # *985***

**, , -**

|  |
| --- |
| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
|  |
|  |  | **CR** |  | **rev** | **2** | **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)*.* |
|  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

|  |
| --- |
|  |
| ***Title:***  |  |
|  |  |
| ***Source to WG:*** | , Huawei |
| ***Source to TSG:*** | SA5 |
|  |  |
| ***Work item code:*** |  |  | ***Date:*** |  |
|  |  |  |  |  |
| ***Category:*** |  |  | ***Release:*** |  |
|  | *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-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 |
|  |  |
| ***Consequences if not approved:*** | There can be confusion on the implementation of N107 or N108 reference points between CHF and consumers |
|  |  |
| ***Clauses affected:*** | G.1, G.2.4 |
|  |  |
|  | **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:*** | Revision of S5-245523Revision of S5-245563 |

|  |
| --- |
| **First Change** |

|  |
| --- |
|  |

Annex G (informative):
Business to Business (B2B) charging architecture and principles

# G.1 General

The present annex contains the business to business (B2B) charging principles and architectures.

The B2B describes a type of business relationship in which businesses provide goods or services to other businesses.

If the business relationship is for roaming or MVNO scenario, then the interaction between B-CHF and C-CHF uses N107 reference point as described in clause G.2.4, else it uses N108 reference point as described in clause G.2.3

|  |
| --- |
| **Second Change** |

## G.2.4 B2B charging architecture and references with B-CHF and C-CHF

In the B2B charging architecture where the NF (CTF) have direct B-CHF interaction and where the B-CHF interact with the C-CHF using N107 reference point, the charging information collected by the NF (CTF) is per consumer and used for both B2C and B2B charging.

The related NF(s) and the corresponding references for the B2B charging with B-CHF, where the B-CHF interacts with the C-CHF include, but not limited to:

- 5G data connectivity charging in local breakout roaming scenario, as specified in Figure 4.2.6a of TS 32.255 [15];

- 5G connection and mobility charging, in local breakout roaming scenario, as specified in Figure 4.2.2.3 of TS 32.256 [16];

- MVNO charging scenario, as specified in Figure 4.2.y of TS 32.255 [15];

|  |
| --- |
| **End of Changes** |