**3GPP TSG SA WG5 Meeting #155 *S5-243031***

Jeju, South Korea, 27 - 31 May 2024

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| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **32.277** | **CR** | **0052** | **rev** | **-** | **Current version:** | **17.4.0** |  |
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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-17 CR 32.277 Add missing CDR description for 5G ProSe converged charging |
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| ***Source to WG:*** | Huawei |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** | 5G\_ProSe |  | ***Date:*** | 2024-05-30 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | Rel-17 |
|  | *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 o. | *Use one of the following releases:Rel-8 (Release 8)Rel-9 (Release 9)Rel-10 (Release 10)Rel-11 (Release 11)Rel-12 (Release 12)**Rel-13 (Release 13)Rel-14 (Release 14)Rel-15 (Release 15)Rel-16 (Release 16)* |
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| ***Reason for change:*** | The CHF CDR for ProSe converged charging interface Bpr is missing. |
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| ***Summary of change:*** | Add the CHF CDR for ProSe converged charging. |
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| ***Consequences if not approved:*** | The 5G ProSe charging cannot work properly, due to the absence of CHF CDR. |
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| ***Clauses affected:*** | 6.2a.X (new), 6.2a.Y (new) |
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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:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

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| **First change** |

### 6.2a.X Ga message contents

Refer to clause 5.2.4 for further information.

### 6.2a.Y CDR description on the Bpr interface

#### 6.2a.Y.1 General

This clause describes the CDR content and format generated for 5G ProSe converged charging.

The following tables provide a brief description of each CDR parameter. The category in the tables is used according to the charging data configuration defined in clause 5.4 of 3GPP TS 32.240 [1]. Full definitions of the CDR parameters, sorted by the name in alphabetical order, are provided in 3GPP TS 32.298 [51].

#### 6.2a.Y.2 5G ProSe converged charging CHF CDR data

If enabled, CHF CDRs for 5G ProSe converged charging shall be produced for ProSe direct discovery and direct communication chargeable events.

The fields of 5G ProSe converged charging CHF CDR are specified in table 6.2a.Y.2-1.

Table 6.2a.Y.2-1: 5G ProSe converged charging CHF record data

| Field | Category | Description |
| --- | --- | --- |
| Record Type  | M | Described in 3GPP TS 32.298 [51] |
| Recording Network Function ID | OM | Described in 3GPP TS 32.298 [51] |
| Subscriber Identifier | OM | Described in 3GPP TS 32.298 [51] |
| Tenant Identifier | OC | Described in 3GPP TS 32.298 [51] |
| NF Consumer Information | M | This field holds the information of the entity that used the charging service (i.e. 5G DDNMF). |
| NF Functionality | M | This field holds the type of functionality the NF provides: i.e. 5G DDNMF |
| NF Name | OC | This field holds the name of the 5G DDNMF. |
| NF Address | OC | This field holds the IP Address of the used 5G DDNMF. |
| NF PLMN ID | OC | This field holds the PLMN identifier (MCC MNC) of the 5G DDNMF.  |
| Charging Identifier | OM | Described in 3GPP TS 32.298 [51] |
| Triggers | OC | Described in 3GPP TS 32.298 [51] |
| List of Multiple Unit Usage | OC | Described in 3GPP TS 32.298 [51] |
| Rating Group | OM | Described in 3GPP TS 32.298 [51] |
| Used Unit Container | OC | Described in 3GPP TS 32.298 [51] |
| Service Identifier | OC | Described in 3GPP TS 32.298 [51] |
| Quota management Indicator | OC | Described in 3GPP TS 32.298 [51] |
| Triggers | OC | Described in 3GPP TS 32.298 [51] |
| Trigger Timestamp | OC | Described in 3GPP TS 32.298 [51] |
| Time | OC | Described in 3GPP TS 32.298 [51] |
| Total Volume | OC | Described in 3GPP TS 32.298 [51] |
| Uplink Volume | OC | Described in 3GPP TS 32.298 [51] |
| Downlink Volume | OC | Described in 3GPP TS 32.298 [51] |
| Service Specific Unit | OC | Described in 3GPP TS 32.298 [51] |
| Event Time Stamps | OC | Described in 3GPP TS 32.298 [51] |
| Local Sequence Number  | OM | Described in 3GPP TS 32.298 [51] |
| PC5 Container Information | OC | This field holds PC5 specific information described in clause 6.5.2.2.  |
| Record Opening Time | M | Described in 3GPP TS 32.298 [51] |
| Duration | M | Described in 3GPP TS 32.298 [51] |
| Record Sequence Number | C | Described in 3GPP TS 32.298 [51] |
| Cause for Record Closing  | M | Described in 3GPP TS 32.298 [51] |
| Diagnostics | OM | Described in 3GPP TS 32.298 [51] |
| Local Record Sequence Number | OM | Described in 3GPP TS 32.298 [51] |
| Record Extensions | OC | Described in 3GPP TS 32.298 [51] |
| ProSe Information | OM | This field holds ProSe specific information described in clause 6.5.2.1.  |

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| **End of change** |