**3GPP TSG-SA5 Meeting #154 *S5-241868***

**Changsha, CHINA, 15 Apr - 19 Apr 2024**  Revision of S5-241607

|  |
| --- |
| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **32.291** | **CR** | **0547** | **rev** | **1** | **Current version:** | **18.5.0** |  |
|  |
| *For* [***HELP***](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:***  | Rel-18 CR 32.291 Correction on the supported feature |
|  |  |
| ***Source to WG:*** | Huawei |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** | TEI17 |  | ***Date:*** | 2024-04-17 |
|  |  |  |  |  |
| ***Category:*** | **A** |  | ***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)* |
|  |  |
| ***Reason for change:*** | The ProSe charging shall be negotiated using the extensibility mechanism. The supported feature for ProSe should be added. |
|  |  |
| ***Summary of change:*** | Add the supported features for the ProSe. |
|  |  |
| ***Consequences if not approved:*** | The supported feature of ProSe charging is incomplete. |
|  |  |
| ***Clauses affected:*** | 6.1.6.2.6.2, 6.1.6.2.7.3, 6.1.6.2.9.1, 6.1.6.2.11.1, 6.1.6.2.11.3, 6.1.8 |
|  |  |
|  | **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:*** |  |

|  |
| --- |
| **First change** |

###### 6.1.6.2.6.2 Type ChargingDataResponse

This clause specifies additional attributes of the type ChargingDataResponse defined in clause 6.1.6.2.1.2 Network Slice Management (NSM) charging described in 3GPP TS 28.202 [71].

Table 6.1.6.2.6.2-1: Network Slice Management (NSM) charging specified attribute of type ChargingDataResponse

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
|  |  |  |  |  |  |

|  |
| --- |
| **Next change** |

###### 6.1.6.2.7.3 Type UsedUnitContainer

This clause is additional portion of the type UsedUnitContainer defined in clause 6.1.6.2.1.10 for NS performance and analytics charging described in 3GPP TS 28.201[201].

Table 6.1.6.2.7.3-1: NS performance and analytics charging of type UsedUnitContainer

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| nSPAContainerInformation | NSPAContainerInformation | OC | 0..1 | the network slice performance and analytics container specific information. |  |

|  |
| --- |
| **Next change** |

###### 6.1.6.2.9.1 Type MultipleUnitInformation

This clause is additional attributes of the type MultipleUnitInformation defined in clause 6.1.6.2.1.8 for announcement described in 3GPP TS 32.281 [34].

Table 6.1.6.2.9-1: Announcement specified attribute of type MultipleUnitInformation

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| announcementInformation | AnnouncementInformation | Oc | 0..1 | This field contains the announcement related information. | Announcement |

|  |
| --- |
| **Next change** |

###### 6.1.6.2.11.1 Type ChargingDataRequest

This clause is additional attributes of the type ChargingDataRequest defined in clause 6.5.2.2 for 5G ProSe charging described in TS 32.277[35].

Table 6.1.6.2.11.1-1: 5G ProSe Specified attribute of type ChargingDataRequest

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| proseCharging Information | ProSeChargingInformation  | OM | 0..1 | This field holds the 5G ProSe specific information. | ProSe |

|  |
| --- |
| **Next change** |

###### 6.1.6.2.11.3 Type UsedUnitContainer

Table 6.1.6.2.11.3-1: 5G ProSe Specified portion of type UsedUnitContainer

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| pC5Container Information | PC5Container Information | OC | 0..1 | This field holds the PC5 container information | ProSe |

|  |
| --- |
| **Next change** |

### 6.1.8 Feature negotiation

The optional features in table 6.1.8-1 are defined for the Nchf\_ConvergedCharging API. They shall be negotiated using the extensibility mechanism defined in subclause 6.6 of 3GPP TS 29.500 [299].

Table 6.1.8-1: Supported Features

|  |  |  |
| --- | --- | --- |
| Feature number | Feature Name | Description |
| 1 | CHFCQM | CHF-controlled quota management i.e. support for temporary offline. |
| 2 | AF\_Charging\_Identifier | Indicates the support of long character strings as charging identifiers. |
| 3 | 5GIEPC\_CH | 5GS interworking with EPC. |
| 4 | ATSSS | This feature indicates support of Access Traffic Steering, Switching, Splitting (ATSSS). |
| 5 | ETSUN | This feature indicates support of Enhancing Topology of SMF and UPF in 5G Networks (ETSUN). |
| 6 | EnhancedDiagnostics | Support the enhanced diagnostics. |
| 7 | AMF\_subs\_PRA | PRA(s) subscription by CHF in AMF. |
| 8 | FilterRuleList | Support of multiple filter rules in the final unit indication. |
| 9 | TEI17\_NIESGU | This feature indicates support of GERAN/UTRAN access. |
| 10 | IMS | This feature indicates support of IMS. |
| 11 | QoSMonitoring | This feature indicates support of QoS Monitoring. |
| 12 | Announcement | This feature indicates support of announcements. |
| 13 | 5GLAN | This feature indicates support of 5G LAN-type services. |
| 14 | URLLC | This feature indicates support of URLLC. |
| 15 | NotifyInfoResponse | This feature indicates support of response with information for a notification. |
| 16 | ES4xx | Extended Support of HTTP 400, 403, 404 allowing use of either ChargingDataResponse or ProblemDetails in the response. |
| 17 | ES3xx | Extended Support of HTTP 307 and 308 redirections, an NF that does not support this feature does only support HTTP redirection as specified for 3GPP Release 15 and 16. |
| 18 | EdgeComputing | This feature indicates support of edge computing domain charging. |
| 19 | 5GSCIoT | This feature indicates support of 5GS control plane CIoT optimization. |
| 20 | SMF\_Charging\_Id | Indicates the support of strings as SMF charging identifiers. |
| 21 | SNPN | This feature indicates support of Stand-alone Non-Public Network. |
| 22 | IDC\_CH | This feature indicates support of IMS Data Channel charging. |
| 23 | 5MBS\_CH | This feature indicates 5G multicast-broadcast services charging supported by SMF. |
| 24 | SatelliteAccess | This feature indicates support of NR satellite access.  |
| 25 | NSREP | This feature indicates support of Network slice replacement charging. |
| 26 | TSN | This feature indicates support of time sensitive networking. |
| 27 | 5GSATB | This feature indicates support of satellite backhaul. |
| 28 | NSAC\_CH | This feature indicates support of Network slice admission control charging |
| 29 | NSSAA | This feature indicates support of Network slice-specific authentication and authorization charging |
| 30 | ProSe | This feature indicates support of 5G ProSe. |

|  |
| --- |
| **End of change** |