**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 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-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** |