**3GPP TSG-CT WG3 Meeting #127eC3-231270**

**E-meeting, 17th – 21st, April, 2023 (revision of C3-231xxx)**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **29.519** | **CR** | 0407 | **rev** | **-** | **Current version:** | **18.1.0** |  |
|  |
| *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:***  | Correction to AF influence on Service Function Chaining |
|  |  |
| ***Source to WG:*** | Huawei |
| ***Source to TSG:*** | CT3 |
|  |  |
| ***Work item code:*** | SFC |  | ***Date:*** | 2023-03-15 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***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-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)* |
|  |  |
| ***Reason for change:*** | The "sfcNotAllowed" attribute shall be used to indicate whether AF influence on N6-LAN traffic steering is allowed or not. But current descriptions lead to misunderstanding whether service function chaining is allowed or not.The SFC ID refers to a pre-configured service function chain instead of policy. The PCF will determine the policy refered by the SFC ID. |
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| ***Summary of change:*** | Correct the errors indicated above. |
|  |  |
| ***Consequences if not approved:*** | The SFC feature is not fully supported. |
|  |  |
| ***Clauses affected:*** | 5.4.2.15, 6.4.2.2, 6.4.2.3, A.3 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** | **X** |  |  Other core specifications  | TS 23.503 ... CR#0949 |
| ***affected:*** |  | **X** |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** | The CR introduce the backward compatible feature to the OpenAPI file.  |
|  |  |
| ***This CR's revision history:*** |  |

**Additional discussion(if needed):**

**Proposed changes:**

\*\*\* 1st Change \*\*\*

#### 5.4.2.15 Type SmPolicyDnnData

Table 5.4.2.15-1: Definition of type SmPolicyDnnData

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| dnn | Dnn | M | 1 | DNN associated with the data |  |
| allowedServices | array(string) | O | 1..N | List of subscriber's allowed service identifiers |  |
| subscCats | array(string) | O | 1..N | List of categories associated with the subscriber |  |
| gbrUI | BitRate | O | 0..1 | Maximum aggregate UL bitrate that can be provided across all GBR QoS Flows in the DNN |  |
| gbrDl | BitRate | O | 0..1 | Maximum aggregate DL bitrate that can be provided across all GBR QoS Flows in the DNN |  |
| adcSupport | boolean | O | 0..1 | Indicates whether application detection and control is enabled for the PDU session.True: Application detection and control is enabled for the PDU session; False: Application detection and control is not enabled for the PDU session.The absence of this attribute means that ADC support is not provisioned for the UE and PDU session. |  |
| subscSpendingLimits | boolean | O | 0..1 | Indicates whether the PCF must enforce policies based on subscriber spending limits. True: Spending limit control is enabled; False: Spending limit control is not enabled.The absence of this attribute means that spending limit control is not provisioned for the UE and PDU session. |  |
| ipv4Index | IpIndex | O | 0..1 | Information that identifies which IP pool or external server is used to allocate the IPv4 address. |  |
| ipv6Index | IpIndex | O | 0..1 | Information that identifies which IP pool or external server is used to allocate the IPv6 address. |  |
| offline | boolean | O | 0..1 | Indicates whether the offline charging is applicable to the PDU session. True: Offline charging is applicable to the PDU session; False: Offline charging is not applicable to the PDU session.The absence of this attribute means that the charging method is not provisioned for the UE and PDU session. |  |
| online | boolean | O | 0..1 | Indicates whether the online charging is applicable to the PDU session. True: Online charging is applicable to the PDU session; False: Online charging is not applicable to the PDU session.The absence of this attribute means that the charging method is not provisioned for the UE and PDU session. |  |
| chfInfo | ChargingInformation | O | 0..1 | The address(es) and, if available, the CHF instance ID and the CHF set ID of the Charging Function. (NOTE) |  |
| refUmdLimitIds | map(LimitIdToMonitoringKey) | O | 1..N | A reference to the "UsageMonitoringDataLimit" or "UsageMonitoringData" instances for this DNN and SNSSAI that may also include the related monitoring key(s). The key of the map is the limit identifier. |  |
| mpsPriority | boolean | O | 0..1 | True: Indicates subscription to the MPS priority service; priority applies to all traffic on the PDU Session. False: MPS priority service is not subscribed.The absence of this attribute means that MPS priority is not provisioned for the UE and PDU session. |  |
| mcsPriority  | boolean | O | 0..1 | True: Indicates subscription to the MCS priority service; priority applies to all traffic on the PDU Session. False: IMS signalling priority service is not subscribed.The absence of this attribute means that IMS signalling priority is not provisioned for the UE and PDU session. |  |
| imsSignallingPrio | boolean | O | 0..1 | True: Indicates subscription to the IMS signalling priority service; priority only applies to IMS signalling traffic. False: IMS signalling priority service is not subscribed.The absence of this attribute means that IMS signalling priority is not provisioned for the UE and PDU session. |  |
| mpsPriorityLevel | integer | O | 0..1 | Relative priority level for the multimedia priority services |  |
| mcsPriorityLevel | integer | O | 0..1 | Relative priority level for the mission critical services |  |
| praInfos | map(PresenceInfo) | O | 1..N | Presence reporting area information. Each PresenceInfo element shall include the Presence Reporting Area Identifier within the "praId" attribute and, for a UE-dedicated presence reporting area, shall also include the list of elements composing the presence reporting area.A "praId" may indicate a Presence Reporting Area Set.The "praId" attribute within the PresenceInfo data type shall also be the key of the map.The attribute "presenceState" shall not be present. |  |
| bdtRefIds | map(BdtReferenceIdRm) | O | 1..N | Identifies transfer policies of background data transfer.Any string value can be used as a key of the map. | EnhancedBackgroundDataTransfer |
| locRoutNotAllowed | boolean | O | 0..1 | Identifies whether AF influence on traffic routing is allowed or not. True: if no local routing is allowed;False: local routing is allowed.The absence of this attribute means that AF influence on traffic routing is not provisioned for the UE and PDU session. |  |
| sfcNotAllowed | boolean | O | 0..1 | Identifies whether AF influence on N6-LAN traffic steering is allowed or not. True: if no AF influence on N6-LAN traffic steering is allowed;False: AF influence on N6-LAN traffic steering allowed.The absence of this attribute means that AF influence on N6-LAN traffic steering is not provisioned for the UE and PDU session. | SFC |
| NOTE: When the feature "CHFsetSupport" is supported, the "secondaryChfAddress" may be omitted (see 3GPP TS 29.512 [12], clause 4.2.2.3.1). |

\*\*\* End of Changes \*\*\*