**3GPP TSG-CT WG1 Meeting #128-eC1-211158**

**Electronic meeting, 25 February – 5 March 2021**

|  |
| --- |
| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **24.519** | **CR** | **0026** | **rev** | **1** | **Current version:** | **16.3.0** |  |
|  |
| *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)*.* |
|  |

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

|  |
| --- |
|  |
| ***Title:***  | StreamFilterInstanceIndex value usage |
|  |  |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** | TEI17, Vertical\_LAN |  | ***Date:*** | 2021-02-25 |
|  |  |  |  |  |
| ***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 [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:*** | What the note in Figure 9.8.2 means is unclear. The handling of the StreamFilterInstanceIndex value is specified in the note of Table 9.8.1. |
|  |  |
| ***Summary of change:*** | The indication of note is removed from the figure. |
|  |  |
| ***Consequences if not approved:*** | What the note in Figure 9.8.2 means remains unclear. |
|  |  |
| ***Clauses affected:*** | 9.8 |
|  |  |
|  | **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:*** |  |

## 9.8 Stream filter instance table

The purpose of the Stream filter instance table information element is to convey a Stream filter instance table as defined 3GPP TS 23.501 [2] table 5.28.3.1-1.

The Stream filter instance table information element is coded as shown in figure 9.8.1, figure 9.8.2, figure 9.8.3, figure 9.8.4, figure 9.8.5, and table 9.8.1.

The Stream filter instance table is a type 6 information element with a minimum length of 3 octets.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Stream filter instance table IEI | octet 1 |
| Length of Stream filter instance table contents | octet 2octet 3 |
| Stream filter instance 1 | octet 4\*octet m\* |
| … |  |
| Stream filter instance n | octet n\*octet o\* |

Figure 9.8.1: Stream filter instance table information element

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Length of Stream filter instance contents | octet 4 |
| PrioritySpec value | octet 5octet 8 |
| StreamGateInstanceID value | octet 9octet 12 |
| tsnStreamIdIdentificationType value | octet 13octet 16 |
| tsnStreamIdParameters | octet 17octet m-4 |
| StreamFilterInstanceIndex value | octet m-3\*octet m\* |

Figure 9.8.2: Stream filter instance

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Length of tsnStreamIdParameters contents | octet 17 |
| tsnCpeNullDownDestMac value | octet 18octet 23 |
| tsnCpeNullDownTagged value | octet 24 |
| tsnCpeNullDownVlan value | octet 25octet 26 |

Figure 9.8.3: tsnStreamIdParameters for tsnStreamIdIdentificationType = 00-80-C2 01

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Length of tsnStreamIdParameters contents | octet 17 |
| tsnCpeSmacVlanDownSrcMac value | octet 18octet 23 |
| tsnCpeSmacVlanDownTagged value | octet 24 |
| tsnCpeSmacVlanDownVlan value | octet 25octet 26 |

Figure 9.8.4: tsnStreamIdParameters for tsnStreamIdIdentificationType = 00-80-C2 02

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Length of tsnStreamIdParameters contents | octet 17 |
| tsnCpeDmacVlanDownDestMac value | octet 18octet 23 |
| tsnCpeDmacVlanDownTagged value | octet 24 |
| tsnCpeDmacVlanDownVlan value | octet 25octet 26 |
| tsnCpeDmacVlanDownPriority value | octet 27 |
| tsnCpeDmacVlanUpDestMac value | octet 28octet 33 |
| tsnCpeDmacVlanUpTagged value | octet 34 |
| tsnCpeDmacVlanUpVlan value | octet 35octet 36 |
| tsnCpeDmacVlanUpPriority value | octet 37 |

Figure 9.8.5: tsnStreamIdParameters for tsnStreamIdIdentificationType = 00-80-C2 03

Table 9.8.1: Stream filter instance table

|  |
| --- |
| Value part of the Stream filter instance table information element (octets 4 to o) |
|  |
| Stream filter instance table contents (octets 4 to o)This field consists of zero or more Stream filter instances. |
|  |
| Stream filter instance (octets 4 to m) |
|  |
| Length of Stream filter instance contents (octet 4)Length of Stream filter instance contents contains the length of the value part of Stream filter instance in octets. |
|  |
| PrioritySpec value (octets 5to 8)PrioritySpec value contains the value of PrioritySpec as specified in IEEE Std 802.1Q [7] table 12-32. |
|  |
| StreamGateInstanceID value (octets 9 to 12)StreamGateInstanceID value contains the value of StreamGateInstanceID as specified in IEEE Std 802.1Q [7] table 12-32.tsnStreamIdIdentificationType value (octets 13 to 16)tsnStreamIdIdentificationType value contains the value of tsnStreamIdIdentificationType in the form of four octets as specified in IEEE Std 802.1CB [10] clause 9.1.1.6. The first 3 octets contain the binary encoding of Organizationally Unique Identifier (OUI) or Company ID (CID). The 4th octet contains the binary encoded value of type number. In this document only OUI/CID value 00-80-C2 with type number value 1, 2 and 3 are specified. Other type number values are reserved. Other OUI/CID values are outside the scope of the present document.tsnStreamIdParameters (octets 17 to m-4)Length of tsnStreamIdParameters (octet 17)Length of tsnStreamIdParameters contents contains the length of the value part of tsnStreamIdParameters in octets.tsnCpeNullDownDestMac value (octets 18 to 23)tsnCpeNullDownDestMac value contains the value of tsnCpeNullDownDestMac as specified in IEEE Std 802.1CB [10] clause 9.1.2.1.tsnCpeNullDownTagged value (octet 24)tsnCpeNullDownTagged value contains an enumerated value of tsnCpeNullDownTagged as specified in IEEE Std 802.1CB [10] clause 9.1.2.2 in the form of a binary encoded octet. Value “tagged” is encoded as binary 0, value “priority” is encoded as binary 1, and value “all” is encoded as binary 2. All other values are reserved.tsnCpeNullDownVlan value (octets 25 to 26)tsnCpeNullDownVlan value contains the value of tsnCpeNullDownVlan as specified in IEEE Std 802.1CB [10] clause 9.1.2.3.tsnCpeSmacVlanDownSrcMac value (octets 18 to 23)tsnCpeSmacVlanDownSrcMac value contains the value of tsnCpeSmacVlanDownSrctMac as specified in IEEE Std 802.1CB [10] clause 9.1.3.1. tsnCpeSmacVlanDownTagged value (octet 24)tsnCpeSmacVlanDownTagged value contains an enumerated value of tsnCpeSmacVlanDownTagged as specified in IEEE Std 802.1CB [10] clause 9.1.3.2 in the form of a binary encoded octet. Value “tagged” is encoded as binary 0, value “priority” is encoded as binary 1, and value “all” is encoded as binary 2. All other values are reserved.tsnCpeSmacVlanDownVlan value (octets 25 to 26)tsnCpeSmacVlanDownVlan value contains the value of tsnCpeSmacVlanDownVlan as specified in IEEE Std 802.1CB [10] clause 9.1.3.3.tsnCpeDmacVlanDownDestMac value (octets 18 to 23)tsnCpeDmacVlanDownDestMac value contains the value of tsnCpeDmacVlanDownDestMac as specified in IEEE Std 802.1CB [10] clause 9.1.4.1.tsnCpeDmacVlanDownTagged value (octet 24)tsnCpeDmacVlanDownTagged value contains an enumerated value of tsnCpeDmacVlanDownTagged as specified in IEEE Std 802.1CB [10] clause 9.1.4.2 in the form of a binary encoded octet. Value “tagged” is encoded as binary 0, value “priority” is encoded as binary 1, and value “all” is encoded as binary 2. All other values are reserved.tsnCpeDmacVlanDownVlan value (octets 25 to 26)tsnCpeDmacVlanDownVlan value contains the value of tsnCpeDmacVlanDownVlan as specified in IEEE Std 802.1CB [10] clause 9.1.4.3.tsnCpeDmacVlanDownPriority value (octet 27)tsnCpeDmacVlanDownPriority value contains the value of tsnCpeDmacVlanDownPriority as specified in IEEE Std 802.1CB [10] clause 9.1.4.4.tsnCpeDmacVlanUpDestMac value (octets 28 to 33)tsnCpeDmacVlanUpDestMac value contains the value of tsnCpeDmacVlanUpDestMac as specified in IEEE Std 802.1CB [10] clause 9.1.4.5.tsnCpeDmacVlanUpTagged value (octet 34)tsnCpeDmacVlanUpTagged value contains an enumerated value of tsnCpeDmacVlanUpTagged as specified in IEEE Std 802.1CB [10] clause 9.1.4.6 in the form of a binary encoded octet. Value “tagged” is encoded as binary 0, value “priority” is encoded as binary 1, and value “all” is encoded as binary 2. All other values are reserved.tsnCpeDmacVlanUpVlan value (octets 35 to 36)tsnCpeDmacVlanUpVlan value contains the value of tsnCpeDmacVlanUpVlan as specified in IEEE Std 802.1CB [10] clause 9.1.4.7.tsnCpeDmacVlanUpPriority value (octet 37)tsnCpeDmacVlanUpPriority value contains the value of tsnCpeDmacVlanUpPriority as specified in IEEE Std 802.1CB [10] clause 9.1.4.8. |
| StreamFilterInstanceIndex value (octet m-3 to m)StreamFilterInstanceIndex value contains the value of StreamFilterInstance as specified in IEEE Std 802.1Q [7] table 12-32. |
| NOTE: A sender compliant with this release of the specification shall include the StreamFilterInstanceIndex value in the Stream filter instance of the Stream filter instance table information element. A sender compliant with earlier versions of this specification does not include the StreamFilterInstanceIndex value in the Stream filter instance of the Stream filter instance table information element. |