**3GPP TSG-CT WG3 Meeting #128 *C3-232323***

**Bratislava, Slovakia, 22nd - 26th May, 2023**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **29.513** | **CR** | **0471** | **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:***  |  Update of TSCTSF mapping of DetNet configuration |
|  |  |
| ***Source to WG:*** | Ericsson |
| ***Source to TSG:*** | CT3 |
|  |  |
| ***Work item code:*** | DetNet |  | ***Date:*** | 2023-05-15 |
|  |  |  |  |  |
| ***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)* |
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| ***Reason for change:*** | S2-2305488 agreed during SA2#156e updates 5GS DetNet integration in TS 23.503 and specifies the set of parameters to be used for DetNet flow identification and their corresponding mapping to Service Data Flow Description parameters. |
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| ***Summary of change:*** | Clause 5.5.12.4 is updated to reflect DetNet flow identification and the corresponding mapping to Service Data Flow Description parameters |
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| ***Consequences if not approved:*** | DetNet flow identification and the corresponding mapping to service data flow description is not specified  |
|  |  |
| ***Clauses affected:*** | 5.5.12.4 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** | **x** |  |  Other core specifications  | TS 23.503 CR 0952  |
| ***affected:*** |  | **X** |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

\* \* \* \* Start of Changes \* \* \* \*

#### 5.5.12.4 QoS parameter mapping functions at TSCTSF

The TSCTSF may receive from a DetNet Controller DetNet YANG configuration describing the traffic characteristics and QoS requirements for a DetNet flow(s) as described in IETF draft-ietf-detnet-yang [64].

The DetNet flow specification is based on the IP source and destination addresses, IPv4 protocol or IPv6 next header, IPv4 type of service or IPv6 traffic class, IPv6 flow label, TCP or UDP source or destination ports, and IPsec SPI header fields as defined in section 5.1 of IETF RFC 8939 [32]. The DetNet flow specification is mapped into the corresponding fields of the 5GS Flow Description as specified in 3GPP TS 29.514 [20].

The TSCTSF provides the mapped Flow Description(s), the derived TSC Assistance Container and the related QoS information to the PCF as specified in 3GPP TS 23.503 [4], clause 6.1.3.23b.

Editor's note: Whether further detailed information is required in this clause is FFS.

\* \* \* \* End of change \* \* \* \*