**3GPP TSG-CT WG3 Meeting #116e C3-213225**

**E-Meeting, 19th – 28th May 2021 (Revision of C3-212484)**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **29.522** | **CR** | **0270** | **rev** | **4** | **Current version:** | **17.1.0** |  |
|  | | | | | | | | |
| *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 DNN and S-NSSAI in ChargeableParty procedure | | | | | | | | | |
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| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI17, 5GS\_Ph1-CT, Vertical\_LAN | | | | |  | ***Date:*** | | | 2021-05-10 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***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 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:*** | | For Ethernet type PDU Session extending to support TSN and 5G LAN, current ChargeableParty API provide only UE MAC address and ethernet flow info, these two attributes are not enough for NEF to discover the serving BSF to find the serving PCF in a dynamic way similar as the one for IP PDU session, since NEF is not able to find the right BSF via NRF by using UE MAC address which is not defined and not effective to be managed like IP Address in NF Registration and Discovery.  Meanwhile TrafficInfluence API already include DNN and S-NSSAI information, in which we can consider for NEF to also add DNN and S-NSSAI of the Ethernet type PDU Session to solve the issue.  TS 23.502 CR 2491 was agreed to introduce DNN and S-NSSAI for Chargeable API, with the applicablility not limited to Ethernet PDU Session type. | | | | | | | | |
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| ***Summary of change:*** | | Add the AF session corresponding "dnn" attribute , "snssai" attribute in the HTTP POST request. | | | | | | | | |
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| ***Consequences if not approved:*** | | For Ethernet type PDU Session, NEF can not dynamically discovery the corresponding servering BSF for the serving PCF with the AF request information, can not completely support Chargeable party for the Ethernet PDU Session. | | | | | | | | |
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| ***Clauses affected:*** | | 2, 4.4.8 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS 23.502 CR 2491 | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | | This CR does not impact the OpenAPI files. | | | | | | | | |
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| ***This CR's revision history:*** | | Updates in CT3#116e for Rev.4: remove the DNN and S-NSSAI description in the EthChgParty\_5G feature upon stage 2 DNN and S-NSSAI applicability not limited to Ethernet PDU Session. | | | | | | | | |

**Additional discussion(if needed):**

**Proposed changes:**

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

### 4.4.8 Procedures for changing the chargeable party at session set up or during the session

The procedures for changing the chargeable party at session set up or during the session in 5GS are described in subclause 4.4.4 of 3GPP TS 29.122 [4] with the following differences:

- description of the SCS/AS applies to the AF;

- description of the SCEF applies to the NEF;

- description of the PCRF applies to the PCF;

- in the HTTP POST request, the AF may include the AF session subscribed "dnn" attribute and/or "snssai" attribute;

- if the EthChgParty\_5G feature as defined in subclause 5.5.4 of 3GPP TS 29.122 [4] is supported and the request is for Ethernet UE:

- in the HTTP POST request, the AF shall include the UE MAC address within the "macAddr" attribute instead of the UE IP address and the Ethernet Flow description within the "ethFlowInfo" attribute instead of the IP Flow description;

- in the HTTP PATCH request, the AF may update the Ethernet Flow description within the "ethFlowInfo" attribute;

- the NEF may interact with BSF by using Nbsf\_Management\_Discovery service (as defined in 3GPP TS 29.521 [9]) to retrieve the PCF address; and

- the NEF shall interact with the PCF by using Npcf\_PolicyAuthorization service as defined in 3GPP TS 29.514 [7].

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