**3GPP TSG CT WG3 Meeting #134 *C3-242110***

**Changsha, China, 15 - 19 April, 2024 (Revision of C3-242xyz)**

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| --- |
| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **29.543** | **CR** | **0001** | **rev** | **-** | **Current version:** | **18.0.0** |  |
|  |
| *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:***  | PDTQ roaming scenario handling |
|  |  |
| ***Source to WG:*** | Nokia |
| ***Source to TSG:*** | CT3 |
|  |  |
| ***Work item code:*** | AIMLsys |  | ***Date:*** | 2024-04-08 |
|  |  |  |  |  |
| ***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:*** | As per TR 23.700-80, clause 4.2 Architectural AssumptionsTo support AI/ML based services/applications via 5GS, the following architectural assumptions are made in the present study:**In Rel-18, roaming is not supported, i.e. inter PLMN coordination aspects will not be studied.** |
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| ***Summary of change:*** |  The Roaming scenario support is removed |
|  |  |
| ***Consequences if not approved:*** | There is a misalignment between stage 2 and stage 3 specfications. |
|  |  |
| ***Clauses affected:*** | 4 |
|  |  |
|  | **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 does not impact the OpenAPI descriptions defined in this specification. |
|  |  |
| ***This CR's revision history:*** |  |

\* \* \* \* First Change \* \* \* \*

# 4 Overview

The Data Transfer Policy Control Services, as defined in 3GPP TS 23.502 [3] and 3GPP TS 23.503 [14], are part of the Npcf service based interface exhibited by the Policy Control Function (PCF).

The Network Exposure Function (NEF) is the only NF service consumer of the Data Transfer Policy Control Services.

The NEF accesses the Data Transfer Policy Control Services at the PCF via the N30 Reference point. In this release, the roaming is not supported.

Figures°4-1 and 4-2 depict the Data Transfer Policy Control Services related reference architecture of the PCF respectively in SBI representation and reference point representation.



Figure 4-1: Reference Architecture for the Npcf Data Transfer Policy Control Services; SBI representation



Figure 4-2: Reference Architecture for the Npcf Data Transfer Policy Control Services; reference point representation

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