**3GPP TSG-CT3 Meeting #131 *C3-235119***

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **29.514** | **CR** | **0566** | **rev** | **-** | **Current version:** | **18.3.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

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| ***Title:*** | Adding reference and correcting the terms to align with stage-2 | | | | | | | | | |
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| ***Source to WG:*** | Nokia, Nokia Shanghai Bell | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GSATB | | | | |  | ***Date:*** | | | 2023-11-06 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***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 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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Different satellite backhaul categories are defined in TS 23.501, clause 5.43.4 as Satellite backhaul category refers to the type of the satellite (i.e. GEO, MEO, LEO or OTHERSAT, DYNAMIC\_GEO, DYNAMIC \_MEO, DYNAMIC \_LEO, DYNAMIC \_OTHERSAT) used in the backhaul. Only a single backhaul category can be indicated.  There is misalignment in the terms used in this specification. Hence better to add reference to stage-2 specification and align the terms. | | | | | | | | |
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| ***Summary of change:*** | | updated clause 4.2.5.20 with alignments to stage-2 terms | | | | | | | | |
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| ***Consequences if not approved:*** | | misalignment with stage-2 requirements. | | | | | | | | |
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| ***Clauses affected:*** | | 4.2.5.20 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | There is no impact on the Open API defined in this specification. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\* \* \* \* First change \* \* \* \*

#### 4.2.5.20 Notification about satellite backhaul category changes

When the PCF gets the knowledge that there is a change of the backhaul used for the PDU session between satellite backhaul categories (i.e., when the "SatelliteBackhaul" and/or "EnSatBackhaulCatChg" feature is supported, between "GEO", "MEO", "LEO", or "OTHER\_SAT" and when "EnSatBackhaulCatChg" feature is supported, also between "DYNAMIC\_GEO", "DYNAMIC\_MEO", "DYNAMIC\_LEO", DYNAMIC\_OTHER\_SAT") or between a satellite and a non-satellite backhaul category "NON\_SATELLITE", the PCF shall inform the NF service consumer accordingly if the NF service consumer has previously subscribed as described in clauses 4.2.2.35 and 4.2.3.33 and 4.2.6.10.

The PCF shall notify the NF service consumer by including the "EventsNotification" data type in the body of the HTTP POST request as described in clause 4.2.5.2.

The PCF shall include within the "evNotifs" attribute an event entry of the "AfEventNotification" data type with the matched event "SAT\_CATEGORY\_CHG" in the "event" attribute, and within the "satBackhaulCategory" attribute the received satellite backhaul category (i.e., when the "SatelliteBackhaul" feature and/or "EnSatBackhaulCatChg" feature is supported, "GEO", "MEO", "LEO", "OTHER\_SAT", and when the "EnSatBackhaulCatChg" feature is supported, also "DYNAMIC\_GEO", "DYNAMIC\_MEO", "DYNAMIC\_LEO", "DYNAMIC\_OTHER\_SAT") or the indication of non-satellite backhaul "NON\_SATELLITE".

When the NF service consumer receives the HTTP POST request, it shall acknowledge the request by sending a "204 No Content" response to the PCF. The NF service consumer may also update the AF application session context information by sending an HTTP PATCH request to the PCF.

\* \* \* \* End of changes \* \* \* \*