**3GPP TSG-CT WG4 Meeting #106-eC4-215xyz**

**E-Meeting, 11th – 15th October 2021 (was C4-215155)**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.510** | **CR** | **0585** | **rev** | **1** | **Current version:** | **17.3.0** |  |
|  | | | | | | | | |
| *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:*** | New PCF Service Name for PCF AM Policy Authorization | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | CT4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI17\_DCAMP | | | | |  | ***Date:*** | | | 2021-09-20 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | As part of the work on Dynamic Change of AM Policies (DCAMP), there is a new service defined for the PCF (AM Policy Authorization). | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Add the new service in the ServiceName enumeration | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The functionality required in the DCAMP WID cannot be achieved. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.1.6.3.11, A.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 introduces backwards-compatible new features with impacts on the following APIs:  - TS29510\_Nnrf\_NFManagement.yaml  - TS29510\_Nnrf\_NFDiscovery.yaml | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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

##### 6.1.6.3.11 Enumeration: ServiceName

Table 6.1.6.3.11-1: Enumeration ServiceName

|  |  |
| --- | --- |
| Enumeration value | Description |
| "nnrf-nfm" | Nnrf\_NFManagement Service offered by the NRF |
| "nnrf-disc" | Nnrf\_NFDiscovery Service offered by the NRF |
| "nnrf-oauth2" | Nnrf\_AccessToken Service offered by the NRF |
| "nudm-sdm" | Nudm\_SubscriberDataManagement Service offered by the UDM |
| "nudm-uecm" | Nudm\_UEContextManagement Service offered by the UDM |
| "nudm-ueau" | Nudm\_UEAuthentication Service offered by the UDM |
| "nudm-ee" | Nudm\_EventExposure Service offered by the UDM |
| "nudm-pp" | Nudm\_ParameterProvision Service offered by the UDM |
| "nudm-niddau" | Nudm\_NIDDAuthorization Service offered by the UDM |
| "nudm-mt" | Nudm\_MT Service offered by the UDM |
| "namf-comm" | Namf\_Communication Service offered by the AMF |
| "namf-evts" | Namf\_EventExposure Service offered by the AMF |
| "namf-mt" | Namf\_MT Service offered by the AMF |
| "namf-loc" | Namf\_Location Service offered by the AMF |
| "nsmf-pdusession" | Nsmf\_PDUSession Service offered by the SMF |
| "nsmf-event-exposure" | Nsmf\_EventExposure Service offered by the SMF |
| "nsmf-nidd" | Nsmf\_NIDD Service offered by the SMF |
| "nausf-auth" | Nausf\_UEAuthentication Service offered by the AUSF |
| "nausf-sorprotection" | Nausf\_SoRProtection Service offered by the AUSF |
| "nausf-upuprotection" | Nausf\_UPUProtection Service offered by the AUSF |
| "nnef-pfdmanagement" | Nnef\_PFDManagement offered by the NEF |
| "nnef-smcontext" | Nnef\_SMContext Service offered by the NEF |
| "nnef-eventexposure" | Nnef\_EventExposure Service offered by the NEF |
| "npcf-am-policy-control" | Npcf\_AMPolicyControl Service offered by the PCF |
| "npcf-smpolicycontrol" | Npcf\_SMPolicyControl Service offered by the PCF |
| "npcf-policyauthorization" | Npcf\_PolicyAuthorization Service offered by the PCF |
| "npcf-bdtpolicycontrol" | Npcf\_BDTPolicyControl Service offered by the PCF |
| "npcf-eventexposure" | Npcf\_EventExposure Service offered by the PCF |
| "npcf-ue-policy-control" | Npcf\_UEPolicyControl Service offered by the PCF |
| "npcf-am-policy-authorization" | Npcf\_AM\_PolicyAuthorization Service offered by the PCF |
| "nsmsf-sms" | Nsmsf\_SMService Service offered by the SMSF |
| "nnssf-nsselection" | Nnssf\_NSSelection Service offered by the NSSF |
| "nnssf-nssaiavailability" | Nnssf\_NSSAIAvailability Service offered by the NSSF |
| "nudr-dr" | Nudr\_DataRepository Service offered by the UDR |
| "nudr-group-id-map" | Nudr\_GroupIDmap Service offered by the UDR |
| "nlmf-loc" | Nlmf\_Location Service offered by the LMF |
| "n5g-eir-eic" | N5g-eir\_EquipmentIdentityCheck Service offered by the 5G-EIR |
| "nbsf-management" | Nbsf\_Management Service offered by the BSF |
| "nchf-spendinglimitcontrol" | Nchf\_SpendingLimitControl Service offered by the CHF |
| "nchf-convergedcharging" | Nchf\_Converged\_Charging Service offered by the CHF |
| "nchf-offlineonlycharging" | Nchf\_OfflineOnlyCharging Service offered by the CHF |
| "nnwdaf-eventssubscription" | Nnwdaf\_EventsSubscription Service offered by the NWDAF |
| "nnwdaf-analyticsinfo" | Nnwdaf\_AnalyticsInfo Service offered by the NWDAF |
| "nnwdaf-datamanagement" | Nnwdaf\_DataManagement Service offered by the NWDAF |
| "nnwdaf-mlmodelprovision" | Nnwdaf\_MLModelProvision Service offered by the NWDAF |
| "ngmlc-loc" | Ngmlc\_Location Service offered by GMLC |
| "nucmf-provisioning" | Nucmf\_Provisioning Service offered by UCMF |
| "nucmf-uecapabilitymanagement" | Nucmf\_UECapabilityManagement Service offered by UCMF |
| "nhss-sdm" | Nhss\_SubscriberDataManagement Service offered by the HSS |
| "nhss-uecm" | Nhss\_UEContextManagement Service offered by the HSS |
| "nhss-ueau" | Nhss\_UEAuthentication Service offered by the HSS |
| "nhss-ee" | Nhss\_EventExposure Service offered by the HSS |
| "nhss-ims-sdm" | Nhss\_imsSubscriberDataManagement Service offered by the HSS |
| "nhss-ims-uecm" | Nhss\_imsUEContextManagement Service offered by the HSS |
| "nhss-ims-ueau" | Nhss\_imsUEAuthentication Service offered by the HSS |
| "nsepp-telescopic" | Nsepp\_Telescopic\_FQDN\_Mapping Service offered by the SEPP |
| "nsoraf-sor" | Nsoraf\_SteeringOfRoaming Service offered by the SOR-AF |
| "nspaf-secured-packed" | Nspaf\_SecuredPacket Service offered by the SP-AF |
| "nudsf-dr" | Nudsf Data Repository service offered by the UDSF. |
| "nudsf-timer" | Nudsf Timer service offered by the UDSF |
| "nnssaaf-nssaa" | Nnssaaf\_NSSAA service offered by the NSSAAF. |
| "naanf-akma" | Naanf\_AKMA service offered by the AAnF. |
| "n5gddnmf-discovery" | N5g-ddnmf\_Discovery service offered by 5G DDNMF |
| "nmfaf-3dadm" | Nmfaf 3daDataManagement service offered by the MFAF. |
| "nmfaf-3cadm" | Nmfaf 3caDataManagement service offered by the MFAF. |
| "neasdf-dnscontext" | Neasdf\_DNSContext service offered by the EASDF |
| "ndccf-dm" | Ndccf\_DataManagement service offered by the DCCF. |
| "ndccf-cm" | Ndccf\_ContextManagement service offered by the DCCF. |
| "nnsacf-nsac" | Nnsacf\_NSAC service offered by the NSACF. |
| "nnsacf-slice-ee" | Nnsacf\_SliceEventExposure service offered by the NSACF. |
| "nmbsmf-tmgi" | Nmbsmf TMGI service offered by the MB-SMF |
| "nmbsmf-mbssession" | Nmbsmf MBSSession service offered by the MB-SMF |
| "nmbsmf-reception" | Nmbsmf Reception service offered by the MB-SMF |
| "nmbsmf-information" | Nmbsmf Information service offered by the MB-SMF |
| "nadrf-dm" | Nadrf\_DataManagement service offered by the ADRF. |
| "nbsp-gba" | Nbsp\_GBA service offered by the GBA BSF. |
| NOTE: The services defined in this table are those defined by 3GPP NFs in 5GC; however, in order to support custom services offered by standard and custom NFs, the NRF shall also accept the registration of NF Services with other service names. | |

Editor's Note: new enumeration values will be defined for the TSCTSF services when the service names will have been defined by CT3.

\* \* \* Next Change \* \* \* \*

## A.2 Nnrf\_NFManagement API

*(... text not shown for clarity ...)*

ServiceName:

description: Service names known to NRF

anyOf:

- type: string

enum:

- nnrf-nfm

- nnrf-disc

- nnrf-oauth2

- nudm-sdm

- nudm-uecm

- nudm-ueau

- nudm-ee

- nudm-pp

- nudm-niddau

- nudm-mt

- namf-comm

- namf-evts

- namf-mt

- namf-loc

- nsmf-pdusession

- nsmf-event-exposure

- nsmf-nidd

- nausf-auth

- nausf-sorprotection

- nausf-upuprotection

- nnef-pfdmanagement

- nnef-smcontext

- nnef-eventexposure

- npcf-am-policy-control

- npcf-smpolicycontrol

- npcf-policyauthorization

- npcf-bdtpolicycontrol

- npcf-eventexposure

- npcf-ue-policy-control

- npcf-am-policy-authorization

- nsmsf-sms

- nnssf-nsselection

- nnssf-nssaiavailability

- nudr-dr

- nudr-group-id-map

- nlmf-loc

- n5g-eir-eic

- nbsf-management

- nchf-spendinglimitcontrol

- nchf-convergedcharging

- nchf-offlineonlycharging

- nnwdaf-eventssubscription

- nnwdaf-analyticsinfo

- nnwdaf-datamanagement

- nnwdaf-mlmodelprovision

- ngmlc-loc

- nucmf-provisioning

- nucmf-uecapabilitymanagement

- nhss-sdm

- nhss-uecm

- nhss-ueau

- nhss-ee

- nhss-ims-sdm

- nhss-ims-uecm

- nhss-ims-ueau

- nsepp-telescopic

- nsoraf-sor

- nspaf-secured-packet

- nudsf-dr

- nudsf-timer

- nnssaaf-nssaa

- naanf-akma

- n5gddnmf-discovery

- nmfaf-3dadm

- nmfaf-3cadm

- neasdf-dnscontext

- ndccf-dm

- ndccf-cm

- nnsacf-nsac

- nnsacf-slice-ee

- nmbsmf-tmgi

- nmbsmf-mbssession

- nmbsmf-reception

- nmbsmf-information

- nadrf-dm

- nbsp-gba

- type: string

*(... text not shown for clarity ...)*

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