**3GPP TSG- Meeting #**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.504** | **CR** |  | **rev** | **-** | **Current version:** | **19.0.0** |  |
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| *For* [HE](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)[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:*** |  | | | | | | | | | |
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| ***Source to WG:*** | CEWiT | | | | | | | | | |
| ***Source to TSG:*** | CT4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI19, 5GS\_Ph1\_CT | | | | |  | ***Date:*** | | | 2024-11-07 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | CR C3-246056 has introduced the new feature “UpPathChangeOutcome” in TS 29.519. This feature needs to be added in Feature negotiation table of TS 29.504. | | | | | | | | |
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| ***Summary of change:*** | | Introduction of the “UpPathChangeOutcome” feature in table 6.1.8. | | | | | | | | |
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| ***Consequences if not approved:*** | | If not approved “UpPathChangeOutcome” feature cannot be indicated as a supported feature to Nudr\_dr API service consumer. | | | | | | | | |
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| ***Clauses affected:*** | | 6.1.8 | | | | | | | | |
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|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS 29.519 CR#0560 | | |
| ***affected:*** | |  | **x** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **x** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | | This CR does not impact any OpenAPI description. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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

### 6.1.8 Feature negotiation

The optional features in table 6.1.8-1 are defined for the Nudr\_DataRepository API. They shall be negotiated using the extensibility mechanism defined in clause 6.6 of 3GPP TS 29.500 [7].

Table 6.1.8-1: Supported Features

|  |  |  |
| --- | --- | --- |
| Feature number | Feature Name | **Description** |
| 1 | ResourceRemovalNotificationPolicyData | This feature indicates the support of the complete removal of a Policy Data resource. |
| 2 | ResourceNotificationExposureDataFix | This feature indicates the support of corrections to Notifications of data changes in the Exposure Data resource. |
| 3 | DomainNameProtocol | This feature supports the additional protocol matching condition for the domain name in PFD data. |
| 4 | EnhancedBackgroundDataTransfer | This feature indicates the support of applying the Background Data Transfer Policy to a future PDU session requested by the AF for Policy Data resource and Application Data resource as defined in 3GPP TS 29.519 [3]. This feature requires the support of SessionManagementPolicyDataPatch feature to update Background Data Transfer data within the Session Management Policy Data. |
| 5 | MacAddressRange | This feature indicates the support of a set of MAC addresses with a specific range for the traffic filter in the application data resource as specified in 3GPP TS 29.519 [3]. |
| 6 | MultiTemporalCondition | This feature indicates the support of multiple temporal validity conditions in the Traffic Influence Data resource as specified in 3GPP TS 29.519 [3]. |
| 7 | PatchReport | If some of the modifications included in the PATCH request are not successfully implemented, the UDM reports the result of PATCH request execution to the consumer. See clause 5.2.7.2 of 3GPP TS 29.500 [7]. |
| 8 | URLLC | This feature indicates support of Ultra Reliable Low Latency Communication (URLLC) requirements, i.e. AF application relocation and UE address(es) preservation in the Application Data resource as specified in 3GPP TS 29.519 [3]. |
| 9 | SessionManagementPolicyDataPatch | This feature indicates the support of the HTTP PATCH method to update the session management policy data defined in a Policy Data resource as specified in 3GPP TS 29.519 [3]. |
| 10 | ConditionalSubscriptionwithPartialNotification | This feature indicates the support of subscription to notification of resource data changes conditioned to the change occurs in a fragment of the resource. It applies for Policy Data resources as specified in 3GPP TS 29.519 [3]. |
| 11 | EnhancedInfluDataNotification | This feature indicates the support of enhancement of data change Notifications in the Influence Data resource as specified in 3GPP TS 29.519 [3]. |
| 12 | PerUePerSnAuthStatus | This feature indicates the support of the Individual authentication status per UE per serving network as specified in 3GPP TS 29.505 [2]. |
| 13 | OpSpecDataMapNotification | This feature indicates the support of the notification of data changes in the OperatorSpecificData resource by including the complete map of Operator Specific Data Containers. It applies to Policy Data resources as specified in 3GPP TS 29.519 [3]. |
| 14 |  | Reserved |
| 15 | OSDResource\_Create\_Delete | This feature indicates the support of the creation and the removal of the OperatorSpecificData resource by a Policy Data NF service consumer. It applies to Policy Data resources as specified in 3GPP TS 29.519 [3]. |
| 16 | AF\_latency | This feature indicates the support for Edge relocation considering user plane latency. It applies for Influence Data resource as specified in 3GPP TS 29.519 [3]. |
| 17 | CHFsetSupport | This feature indicates the support of CHF redundancy and failover mechanisms based on CHF instance availability within a CHF Set, (i.e. secondary CHF address may be omitted). It applies to Policy Data resources as specified in 3GPP TS 29.519 [3]. |
| 18 | ConditionalSubscriptionWithExcludeNotification | This feature indicates the support in the subscription to notification of data changes of the indication of the properties whose changes do not trigger a notification. It applies to Policy Data resources as specified in 3GPP TS 29.519 [3]. It requires the support of OpSpecDataMapNotification feature |
| 19 | ProSe | This feature indicates the support of UE 5G ProSe policies and subscription information. It applies for Policy Data resources as specified in 3GPP TS 29.519 [3]. |
| 20 | NSAC | This feature indicates the support of NSAC (Network Slice Admission Control) related policy subscription information. It applies to Policy Data resources as specified in 3GPP TS 29.519 [3]. |
| 21 | UESubDataSetRetrieve | This feature indicates the support of the UE Subscription Data Sets Retrieve as specified in clause 5.2.47 of 3GPP TS 29.505 [2]. |
| 22 | SharedSmSubsData | This feature indicates the support of shared Session Management Subscription Data. If the NF consumer (UDM) does not support this feature, the UDR shall not take the alternative to include extendedSmSubsData in SmSubsData. It applies to Subscription Data resources as specified in 3GPP TS 29.505 [2] |
| 23 | DeliveryOutcome | This feature indicates the support of functionality to allow PCF notifications about the outcome of the UE Policy delivery related to the invocation of AF provisioned service parameters as specified in 3GPP TS 29.519 [3]. |
| 24 | AfGuideURSP | This feature indicates the support of Application guidance for URSP determination related application data as specified in 3GPP TS 29.519 [3]. |
| 25 | EasDeployment | This feature indicates the support of EAS Deployment Information Data and Subscription related application data as specified in 3GPP TS 29.519 [3]. |
| 26 | DCAMP | This feature indicates the support of DCAMP related application data. It applies to Application Data resources as specified in 3GPP TS 29.519 [3]. |
| 27 | FilterAnyUE | This feature indicates the support of queries and subscriptions to service parameter data resource filtered by the any UE indication as specified in 3GPP TS 29.519 [3]. |
| 28 | SimultConnectivity | This feature indicates the support of temporary simultaneously connectivity at edge relocation. It applies for Influence Data resource as specified in 3GPP TS 29.519 [3]. |
| 29 | EeSubscriptionExt | This feature indicates the support of handling EE subscription data along with associated subscription resources as specified in 3GPP TS 29.505 [2]. |
| 30 | PeiResource | This feature indicates the support of storing PEI in the PeiInfo resource as specified in 3GPP TS 29.505 [2]. |
| 31 | ImmediateReportPcc | This feature indicates support of ImmediateReport within a PolicyDataSubscription in 3GPP TS 29.519 [3]. When a UDR consumer detects that the UDR supports the ImmediateReportPcc feature, it can indicate an immediateReport flag when invoking the Subscribe service operation. If the UDR receives the ImmediateReport flag in the received Subscribe service operation request, it shall return the resource's representation(s) of the monitored resource(s) in the service operation response body. |
| 32 | ImmediateReport | This feature indicates support of ImmediateReport within an SubscriptionDataSubscription in 3GPP TS 29.505 [2]. When a UDR consumer detects that the UDR supports the ImmediateReport feature, it can indicate an immediateReport flag when invoking the Subscribe service operation. If the UDR receives the ImmediateReport flag in the received Subscribe service operation request, it shall return the resource's representation(s) of the monitored resource(s) in the service operation response body. |
| 33 | UESubDataSetRetrieveExt | This feature indicates the support of the Extended UE Subscription Data Sets Retrieve as specified in clause 5.2.47 of 3GPP TS 29.505 [2]. |
| 34 | SFC | This feature indicates support of Service Function Chaining functionality. It applies for Influence Data resource as specified in 3GPP TS 29.519 [3]. |
| 35 | SubscribedV2XPolicy | This feature indicates the support of subscribed V2X policy data as specified in 3GPP TS 29.519 [3]. |
| 36 | CommonEASDNAI | This feature indicates the support of the common EAS/DNAI selection as specified in 3GPP TS 29.519 [3]. |
| 37 | PolSubscRetrieval | This feature indicates the support of the indication, within the PolicyDataSubscription data type, of the variable part of the Individual Policy Data subscription. It applies to Policy Data subscription resources as specified in 3GPP TS 29.519 [3]. |
| 38 | A2X | This feature indicates the support of A2X communication as specified in 3GPP TS 29.519 [3]. |
| 39 | EpsUrsp | This feature indicates support of epsUrspInd within UePolicySet and UePolicySetPatch in 3GPP TS 29.519 [3]. |
| 40 | DCAMP\_Roaming\_LBO | This feature indicates support for dynamically changing AM policy for inbound roaming UE using LBO as specified in 3GPP TS 29.519 [3]. |
| 41 | GMEC | This feature indicates support of Generic Group Management, Exposure and Communication functionality. It applies to Policy Data resource and Application Data resource as specified in 3GPP TS 29.519 [3]. |
| 42 | PatchCorrection | This feature introduces the correction to the PATCH method to support the service parameter urspGuidance to guide the URSP as specified in 3GPP TS 29.519 [3]. |
| 43 | EnhancedUePolicy | This feature indicates the support of enhancement of the UE policy (e.g. Tracing Requirements). It applies to Policy Data resource as specified in 3GPP TS 29.519 [3]. |
| 44 | ProSe\_Ph2 | This feature indicates the support of UE 5G ProSe policies and subscription information for UE-to-UE relay service. It applies for Policy Data resources as specified in 3GPP TS 29.519 [3]. |
| 45 | OpSpecAmPolicyData | This feature indicates the support of the operator specific data changes in the AccessAndMobilityPolicyData resource. It applies to AM Policy Data resource as specified in 3GPP TS 29.519 [3]. |
| 46 | CHFInformation | This feature indicates the support of provisioning of CHF information. It applies to Policy Data resource as specified in 3GPP TS 29.519 [3]. |
| 47 | SLAMUP | This feature indicates support of Spending Limits for AM and UE Policies in the 5GC. It applies to Policy Data resource as specified in 3GPP TS 29.519 [3].  This feature requires the support of the CHFInformation feature. |
| 48 | AfGuideTNAPs | This feature is used in 3GPP TS 29.519 [3] and indicates the support of AF-provided guidance to the HPLMN of the UE of the list of TNAP(s) collocated with a 5G-RG. |
| 49 | URSPEnforcement | This feature indicates support of urspEnfInd within UePolicySet and UePolicySetPatch in 3GPP TS 29.519 [3]. |
| 50 | VPLMNSpecificURSP | This feature indicates support of the provisioning of VPLMN Specific URSP rules within ServiceParameterData and ServiceParameterDataPatch data types and the storage of vpsUrspInd within UePolicySet and UePolicySetPatch as defined in 3GPP TS 29.519 [3].  It requires the support of AfGuideURSP feature. |
| 51 | DnaiEasMappings | This feature indicates support of OAM-configured DNAI-EAS mapping information as specified in 3GPP TS 29.519 [3]. |
| 52 | HR-SBO | This feature indicates support of provisioning ECS Address Configuration Information for Roaming UEs to the V-NEF for the support of Home-Routed deployments with Session Breakout in 3GPP TS 29.519 [3].  This feature requires the support of the “TrafficInfluSubExt” feature. |
| 53 | FinerGranUEs | This feature indicates support of finer granular UE sets as specified in 3GPP TS 29.519 [3]. |
| 54 | CachingTimer | This feature indicates the support of storing caching timer with unit of duration second as specified in 3GPP TS 29.519 [3]. |
| 55 | AccessAndMobilityPolicyDataModify | This feature indicates the support of the HTTP PATCH method to update the access and mobility policy data defined in a Policy Data resource as specified in 3GPP TS 29.519 [3]. |
| 56 | Ranging\_SL | This feature indicates the support of the ranging and sidelink positioning functionality. It applies to Application Data resources as specified in 3GPP TS 29.519 [3]. |
| 57 | PDTQ | This feature indicates the support of Planned Data Transfer with QoS requirements Data. It applies to Policy Data resources as specified in 3GPP TS 29.519 [3]. |
| 58 | PfdDetermination | This feature inidicates the support of including the source NF type of the PFD in PFD Data as specified in 3GPP TS 29.519 [3]. |
| 59 |  | Reserved |
| 60 | TrafficInfluSubExt | This feature indicates support of subscriptions to Traffic Influence Data using various combinations of query parameters as specified in 3GPP TS 29.519 [3]. |
| 61 | MultiPduSessInfo | This feature indicates support of multiple PDU Session Info query parameters as specified in 3GPP TS 29.519 [3]. |
| 62 | DCAMP\_HPLMNFilter | This feature indicates support for filtering the subscription to changes on AM Influence Data for inbound roaming UE using the UE PLMN Id as specified in 3GPP TS 29.519 [3]. |
| 63 | VPSUrsp\_HPLMNFilter | This feature indicates support for filtering the subscription to changes on Service Parameter data for inbound roaming UE using the network description as specified in 3GPP TS 29.519 [3]. |
| 64 | MultiTrafficInflu\_for\_future\_PDUs | This feature indicates the support for providing more than one set of traffic filters and the corresponding N6 traffic routing requirements for Influence Data as specified in 3GPP TS 29.519 [3]. |
| X | UpPathChangeOutcome | This feature indicates the support for the subscription of UP path change outcome request event by AF via NEF, to SMF for future PDU sessions as specified in 3GPP TS 29.519 [3]. |

\* \* \* End of Change \* \* \* \*