**3GPP TSG-CT WG4 Meeting #106-eC4-215351**

**E-Meeting, 11th – 15th October 2021**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **29.504** | **CR** | **0159** | **rev** | **-** | **Current version:** |  |  |
|  |
| *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:***  | Share Session Management Subscription Data |
|  |  |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell |
| ***Source to TSG:*** | CT4 |
|  |  |
| ***Work item code:*** | SBIProtoc17 |  | ***Date:*** | 2021-10-12 |
|  |  |  |  |  |
| ***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 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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
|  |  |
| ***Reason for change:*** | A new Feature Flag is needed to ensure interoperability when the UDM retrieves shared SessionManagementSubscriptionData from the UDR |
|  |  |
| ***Summary of change:*** | Add new Supported Feature |
|  |  |
| ***Consequences if not approved:*** | Backward incompatibility |
|  |  |
| ***Clauses affected:*** | 6.1.8 |
|  |  |
|  | **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:*** | No impacts to OpenAPI |
|  |  |
| ***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 | PlmnSmPolicyData | This feature indicates the support of a resource in the policy data which represents Session Management Policy Data per PLMN. It applies for Policy Data resources as specified in 3GPP TS 29.519 [3]. |
| 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 | EnEDGE | This feature indicates the support for Enhancement of Edge Computing. 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]. |
| 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]. |
| xx | 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] |

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