**3GPP TSG-CT WG3 Meeting #130 *C3-234327***

**Xiamen, China, 9 - 13 October, 2023**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **29.525** | **CR** | **0295** | **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:***  | Miscellaneous changes |
|  |  |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell |
| ***Source to TSG:*** | CT3 |
|  |  |
| ***Work item code:*** | eUEPO, SBIProtoc18 |  | ***Date:*** | 29-9-2023 |
|  |  |  |  |  |
| ***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 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:*** | 1. The wrong reference for 23.503
2. usrpEnfReport Presence indicator presence indicator is not correct
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|  |  |
| ***Summary of change:*** | 1. In clause 4.2.4.4, 23.503 reference has to be updated from [40] to [4]
2. In clause 5.6.2.8, usrpEnfReport Presence indicator has to be converted into C to O.
3. The editorial changes to fix the formatting changes.
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| ***Consequences if not approved:*** | The wrong interpretation in case of presence indicato and misleading references. The quality of the document is not upto the mark. |
|  |  |
| ***Clauses affected:*** | 4.1.3.2, 4.2.2.2.3.1, 4.2.4.4, 5.6.2.2, 5.6.2.5, 5.6.2.8 |
|  |  |
|  | **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:*** | This CR does not impact the OpenAPI descriptions defined in this specification. |
|  |  |
| ***This CR's revision history:*** |  |

\* \* \* \* Start of changes \* \* \* \*

#### 4.1.3.2 NF Service Consumers

The known NF service consumers of the Npcf\_UEPolicyControl are the AMF, the V-PCF in the roaming case, and a PCF for a PDU session in case of URSP provisioning in EPS.

The Access and Mobility Management function (AMF) performs:

- registration management;

- connection management;

- reachability management;

- mobility Management;

- forwarding of UE Policy towards the served UE;

- reporting of the UE state to the (V-)PCF;

- forwarding of the UE policy enforcement result received from the UE to the (V-)PCF; and

NOTE: The AMF invokes the Namf\_Communication service specified in 3GPP TS 29.518 [14] to report the UE policy enforcement result.

- forwarding of the N2 PC5 policy for V2X communications and/or A2X communications and/or 5G ProSe towards the NG-RAN.

The Visited Policy Control Function (V-PCF) provides the functions described in clause 4.1.3.1 towards the visited network as NF service producer and acts as NF Service consumer toward the H-PCF, performing the following functions:

- receiving policy control request trigger(s) and/or UE policy (e.g. ANDSP, URSP, V2XP, A2XP, ProSeP) from the H-PCF;

- receiving the N2 PC5 policy for V2X communications and/or A2X communications and/or 5G ProSe from the H-PCF; and

- reporting of the UE state and UE policy enforcement result to the H-PCF.

The V-PCF may also provide the URSP enforcement report received from the UE, if requested by the H-PCF as described in clause 4.2.2.2.3.

The PCF for a PDU session in case of URSP provisioning in EPS performs:

- forwarding of URSP towards the served UE.

\* \* \* \* Next changes \* \* \* \*

###### 4.2.2.2.3.1 General

The UE Route Selection Policy is used by the UE to determine how to route outgoing traffic.

The UE Route Selection Policy shall consist of one or several URSP rules. The PCF determines whether URSP rule(s) have to be provisioned based on input parameters received from the NF service consumer, the received list of UPSIs from the UE, if available, the UE Policy Sections stored in the UDR, if available, other received UE parameters, if available, the policy subscription and application data retrieved from UDR, if available, analytics information received from NWDAF, if available, and local policies.

URSP rules are encoded as defined in 3GPP TS 24.526 [16].

UE Route Selection Policy may only be provided by a H-PCF or the PCF of the SNPN, but shall not be provided by a V-PCF. However, UE Route Selection Policy determined and provided by the H-PCF may be retrieved by a V-PCF from the H-PCF and forwarded to a UE.

The (H-)PCF shall use the UE policy subscription data stored in UDR as specified in 3GPP TS 29.519 [17] to ensure the values included in the Route Selection Descriptor of the generated URSP rules are always supported by subscription.

For the received list of internal group Ids, the (H-)PCF retrieves the corresponding 5G VN group configuration data stored from the UDR as specified in 3GPP TS 29.504[27] and 3GPP TS 29.505 [26], if available. For each available 5G VN group, the (H-)PCF may use the retrieved 5G VN group configuration values to encode the values for the Route Selection Descriptor and the values for the Traffic Descriptor of the generated URSP rules.

If the "EnhancedBackgroundDataTransfer" feature is supported, the (H-)PCF may retrieve the Background Data Transfer Reference ID(s) by retrieving the UE's Application Data from the UDR as defined in clause 6.2.9 of 3GPP TS 29.519 [17]. In this case, the PCF shall retrieve the transfer policy corresponding to the Background Data Transfer Reference ID(s) as defined in clause 5.2.8 of 3GPP TS 29.519 [17] and then may create the URSP rules including the Route Selection Validation Criteria for the UE as defined in clause 6.6.2.1 of 3GPP TS 23.503 [4]. If the (H-)PCF provisions the URSP rules including the Route Selection Validation Criteria for the UE, it shall use the associated S-NSSAI and DNN to store in the UDR the Background Data Transfer Reference ID(s) in the UE's session management policy data as specified in 3GPP TS 29.519 [17].

If the (H-)PCF retrieves the BDT policy and corresponding related information (e.g. network area information, the volume of data to be transferred per UE, etc.) within the BdtData data type, and the "bdtpStatus" attribute within the BdtData data type is set to value "INVALID", the (H-)PCF shall not provision the URSP rules based on the invalid BDT policy. When the BDT policy re-negotiation is completed the PCF may:

- if the new BDT Policy is determined, create or update the applicable URSP rules based on the new BDT policy; or

- if the invalid BDT policy is removed, remove applicable URSP rules.

If the "AfGuideURSP" feature is supported by the Nudr\_DataRepository service, the (H-)PCF may receive Service specific parameter information that contains data for AF guidance information on the URSP determination as defined in clause 6.4.2.15 of 3GPP TS 29.519 [17]. In this case, the (H-)PCF may also use this AF guidance information as input to determine the URSP that will be provisioned to the UE. If the received AF guidance information is not consistent with the UE subscription data, or the local operator policy does not allow the specific S-NSSAI and DNN provided by the AF guidance information, the corresponding AF guidance information shall not be used to determine the URSP rules. The PCF may also determine not to use AF guidance based on the analytics info received from the NWDAF.

When the (H-)PCF decides to provide URSP rules based on the AF guidance information, it shall derive the information as follows:

- Application traffic descriptor within the "trafficDesc" attribute is used to set the Traffic Descriptor of URSP rule (defined in Figure 5.2.2 of 3GPP TS 24.526 [16]).

- Each route selection parameter set within the "routeSelParamSets" attribute of the UrspRuleRequest data type is used to determine a Route selection descriptor (defined in Figure 5.2.2 of 3GPP TS 24.526 [16]) as follows:

- DNN (within the "dnn" attribute of the RouteSelectionParameterSet data type) and S-NSSAI (within the "snssai" attribute of the RouteSelectionParameterSet data type) from the route selection parameter set are used to set the Route selection descriptor contents (defined in Figure 5.2.4 of 3GPP TS 24.526 [16]);

- Route selection precedence (within the "precedence" attribute of the RouteSelectionParameterSet data type) is used to set the Precedence value of route selection descriptor (defined in Figure 5.2.4 of 3GPP TS 24.526 [16]); and

- the spatial validity condition (within the "spatialValidityTais" attribute of the RouteSelectionParameterSet data type) is used to set the Location criteria of the route selection descriptor (defined in Figure 5.2.5 of 3GPP TS 24.526 [16]).

- The precedence for the generated URSP rule is determined by the (H-)PCF. The (H-)PCF may use the "relatPrecedence" attribute within the "UrspRuleRequest" data type to derive the relative precedence of the URSP rule for a request coming from the same AF.

URSP rules based on AF guidance should not be set as the URSP rules with the "match all" application traffic descriptor.

The (H-)PCF may obtain the information about the UE's OS from the UE as described in the Annex D of 3GPP TS 24.501 [15] or it may derive the information about the UE's OS from the PEI provided by the NF service consumer (e.g. AMF).

If the (H-)PCF is required to provide UE policies to the UE that includes application descriptors then:

a) If the (H-)PCF has been provided with one UE's OS Id by the UE, the (H-)PCF shall use either the traffic descriptor "OS App Id type" or the traffic descriptor "OS Id + OS App Id type" as defined in 3GPP TS 24.526 [16].

NOTE 1: The (H-)PCF uses the traffic descriptor "OS Id + OS App Id type" when the (H-)PCF does not take the received UE's OS Id into account.

b) If the (H-)PCF has been provided with more than one UE's OS Id by the UE,

- the (H-)PCF shall use the traffic descriptor "OS Id + OS App Id type" for the UE's OS Id provided by the UE as defined in 3GPP TS 24.526 [16]; and

- the (H-)PCF shall not use the traffic descriptor "OS App Id type" as defined in 3GPP TS 24.526 [16].

c) If the (H-)PCF has not been provided with the UE's OS Id by the UE,

- the (H-)PCF shall use the traffic descriptor "OS Id + OS App Id type" as defined in 3GPP TS 24.526 [16]; and

- the (H-)PCF shall not use the traffic descriptor "OS App Id type" as defined in 3GPP TS 24.526 [16].

d) If the (H-)PCF has been provided with the UE's OS Id by the UE and the (H-)PCF has derived the UE's OS Id from the PEI and if there is an inconsistency between the OS Id provided by the UE and the OS Id derived from the PEI, the (H-)PCF shall use the OS Id provided by the UE for providing UE policies to the UE that include application descriptors.

URSP rules may be used to support end to end redundant user plane paths by establishing two redundant PDU sessions. PCF configuration based on e.g. deployment, terminal implementation or policies per group of UE(s) may be used by the PCF to determine whether the URSP Rules shall include PDU Session Pair ID and RSN to indicate that they refer to redundant PDU sessions or whether the UE will determine these values instead.

If the AF provided the (H-)PCF with Personal IoT Network identifier (PIN ID) associated with a DNN and S-NSSAI, and the received DNN and S-NSSAI corresponds to a subscribed DNN and S-NSSAI combination in the UE Policy Context as described in 3GPP TS 29.519 [17], the (H-)PCF shall include the PIN ID within the traffic descriptor of the URSP Rule attribute as defined in 3GPP TS 24.526 [16] for UE to choose an appropriate PIN to establish the PDU session.

NOTE 2: The PCF can provide two distinct URSP rules to support end to end redundant user plane paths using Dual Connectivity for the duplicated traffic of an application. Duplicated traffic from the UE application is differentiated by two distinct traffic descriptors (different DNNs, and for IP traffic, different IP descriptors or non-IP descriptors), each one defined in a different URSP rule, so that the two redundant PDU sessions are matched to the specific Route Selection Descriptors of distinct URSP rules. These Route Selection Descriptors of distinct URSP rules may include corresponding RSNs and PDU Session Pair IDs as defined in 3GPP TS 24.526 [16]. The Route Selection Descriptors share the same PDU Session Pair ID, if included, to denote the two traffic are redundant with each other.

NOTE 3: For backward compatibility, PCF can provide a Route Selection Descriptor with PDU Session Pair ID and RSN and a Route Selection Descriptor without PDU Session Pair ID and RSN in the URSP rule. In this case, the Route Selection Descriptor with PDU Session Pair ID and RSN has a lower precedence value (i.e. higher prioritised) than the one without PDU Session Pair ID. It allows that if a non-supporting UE receives the Route Selection Descriptor containing PDU Session Pair ID, it ignores this Route Selection Descriptor.

NOTE 4: PIN ID and other traffic descriptor components are mutually exclusive, i.e., if PIN ID is included in a URSP rule, then no other traffic descriptor components are supported in the same URSP rule.

The PCF may adjust the URSP rules when needed, based on awareness of URSP rule enforcement for an application by using the following mechanisms:

A. Awareness of URSP rule enforcement with UE assistance:

 Based on operator policies, and if the UE included in the UE STATE INDICATION message the indication of UE's support of reporting URSP rule enforcement as specified in the Annex D of 3GPP TS 24.501 [15], the PCF may indicate in a URSP rule sent to the UE to send reporting of URSP rule enforcement, as specified in 3GPP TS 24.526 [16]. For this URSP rule, the UE reports URSP rule enforcement to the SMF if Connection Capabilities are included in the traffic descriptor, as specified in the Annex D of 3GPP TS 24.501 [15] and in 3GPP TS 24.526 [16]. The SMF reports URSP rule enforcement information to the PCF as specifed in 3GPP TS 29.512 [31].

 For LBO roaming session case, if the feature "URSPEnforcement" is supported, the H-PCF for the UE may send the URSP enforcement information Policy Control Request Trigger to the V-PCF for the UE during the UE Policy Association Establishment or Modification procedures. When the V-PCF receives URSP rule enforcement information as described above, the V-PCF shall invoke the UE Policy Association Update Modification procedure as described in clause 4.2.3.1.

 If the (V-)(H-)PCF for a UE and the PCF for a PDU session are different, then the (V-)(H-)PCF for a UE may obtain UE reporting of URSP rule enforcement information from the PCF for a PDU session as defined in 3GPP TS 29.514 [37], where the V-PCF for a UE interacts with the PCF for a PDU session in the VPLMN and the H-PCF for a UE interacts with the PCF for a PDU session in the HPLMN.

 Based on the received URSP rule enforcement information, the (H-)PCF may adjust the URSP rules e.g. when the (H-)PCF determines that the UE does not have up-to-date URSP rules.

 In this release of the specification, the received URSP rule enforcement report shall contain one or more connection capabilities. If the URSP rule enforcement report does not include connection capabilities, based on local policies, the (H-)PCF for the UE may ignore the received report.

B. Awareness of URSP rule enforcement without UE assistance: The PCF may subscribe to statistics for traffic monitoring of known traffic according to provisioned URSP rule(s) at the NWDAF as defined in 3GPP TS 29.520 [38]. If the PCF is notified with traffic which is not expected according to a URSP rule, the PCF may adjust the URSP rules when unexpected application traffic is detected.

Editor’s note: The details that the PCF receives the report of URSP rule enforcement info from NWDAF is FFS.

NOTE 5: The PCF can combine UE reporting of URSP rule enforcement with analytics information.

\* \* \* \* Next changes \* \* \* \*

#### 4.2.4.4 URSP provisioning for Background Data Transfer policy

If the "EnhancedBackgroundDataTransfer" feature is supported, after the UE policy association establishment, the (H‑)PCF may receive the Background Data Transfer Reference ID(s) notified by the UDR for the change of UE's Application Data as defined in clause 6.3.4 of 3GPP TS 29.519 [17]. In this case, the (H-)PCF shall retrieve the transfer policy corresponding to the Background Data Transfer Reference ID(s) as defined in clause 5.2.8 of 3GPP TS 29.519 [17] and derive the URSP including the Route Selection Validation Criteria for the UE as defined in clause 6.2.2.1 of 3GPP TS 23.503 [4]. The H-PCF shall provision the URSP to the V-PCF as defined in clause 4.2.4.2 and then the V-PCF shall invoke the Namf\_Communication\_N1N2MessageTransfer service operation to provision it to the UE. The (H-)PCF shall use the associated S-NSSAI and DNN to store in the UDR the Background Data Transfer Reference ID(s) in the UE's session management policy data as specified in 3GPP TS 29.519 [17].

\* \* \* \* Next changes \* \* \* \*

#### 5.6.2.2 Type PolicyAssociation

Table 5.6.2.2-1: Definition of type PolicyAssociation

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| request | PolicyAssociationRequest | O | 0..1 | The information provided by the NF service consumer when requesting the creation of a policy association |  |
| uePolicy | UePolicy | O | 0..1 | The UE policy as determined by the H-PCF (for the H-PCF as NF service producer). |  |
| n2Pc5Pol | N2InfoContent | O | 0..1 | The N2 PC5 policy for V2X communications as determined by the H-PCF. | V2X |
| n2Pc5PolA2x | N2InfoContent | O | 0..1 | The N2 PC5 policy for A2X communications as determined by the H-PCF. | A2X |
| n2Pc5ProSePol | N2InfoContent | O | 0..1 | The N2 PC5 policy for 5G ProSe as determined by the PCF. | ProSe |
| triggers | array(RequestTrigger) | O | 1..N | Request Triggers to which the PCF subscribes. Only the values "LOC\_CH", "PRA\_CH", "PLMN\_CH", "CONF\_NSSAI\_CH", "SAT\_CATEGORY\_CHG", "URSP\_ENF\_INFO", "LBO\_INFO\_CH" and "CON\_STATE\_CH" are permitted. | (NOTE) |
| pras | map(PresenceInfo) | C | 1..N | If the Request Trigger "PRA\_CH" is provided, the presence reporting area(s) for which reporting is requested shall be provided. The "praId" attribute within the PresenceInfo data type shall also be the key of the map. The "presenceState" and the "additionalPraId" attributes within the PresenceInfo data type shall not be supplied. The "praId" attribute within the PresenceInfo data type shall include the identifier of either a presence reporting area or a presence reporting area set. |  |
| andspDelInd | boolean | O | 0..1 | Indication that the updated ANDSP/WLANSP has been successfully delivered to the UE. "true" means that it has been successfully delivered. The default value is "false". | SliceAwareANDSP |
| andspInd | boolean | O | 0..1 | Indication of UE support of ANDSP.True: The UE supports ANDSP; False: The UE does not support ANDSP. | UECapabilityIndication |
| pduSessions | array(PduSessionInfo) | O | 1..N | Contains the DNNs and S-NSSAIs for which LBO information is being requested. It may be provided when the "LBO\_INFO\_CH" request trigger is provided. | VPLMNSpecificURSP |
| suppFeat | SupportedFeatures | M | 1 | Indicates the negotiated supported features. |  |
| NOTE: The "PLMN\_CH", "CONF\_NSSAI\_CH", "LBO\_INFO\_CH", "SAT\_CATEGORY\_CHG", "URSP\_ENF\_INFO" and "CON\_STATE\_CH" values in the "triggers" attribute apply under feature control as described in clause 4.2.3.2. |

\* \* \* \* Next changes \* \* \* \*

#### 5.6.2.5 Type PolicyUpdate

Table 5.6.2.5-1: Definition of type PolicyUpdate

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| resourceUri | Uri | M | 1 | The resource URI of the individual UE policy association related to the notification. (NOTE 2) |  |
| uePolicy | UePolicy | O | 0..1 | The UE policy as determined by the H-PCF. |  |
| n2Pc5Pol | N2InfoContent | O | 0..1 | The N2 PC5 policy for V2X communications as determined by the H-PCF. | V2X |
| n2Pc5PolA2x | N2InfoContent | O | 0..1 | The N2 PC5 policy for A2X communications as determined by the H-PCF. | A2X |
| n2Pc5ProSePol | N2InfoContent | O | 0..1 | The N2 PC5 policy for 5G ProSe as determined by the PCF. | ProSe |
| triggers | array(RequestTrigger) | O | 1..N | Request Triggers that the PCF subscribes. Only values "LOC\_CH", "PRA\_CH", "PLMN\_CH", "CONF\_NSSAI\_CH", "SAT\_CATEGORY\_CHG", "URSP\_ENF\_INFO","LBO\_INFO\_CH" and "CON\_STATE\_CH" are permitted. | (NOTE 1) |
| pras | map(PresenceInfoRm) | C | 1..N | If the Trigger "PRA\_CH" is provided or if that trigger was already set but the requested presence reporting areas need to be changed, the presence reporting area(s) for which reporting is requested shall be provided. The "praId" attribute within the PresenceInfoRm data type shall also be the key of the map. The "presenceState" attribute within the PresenceInfo data type shall not be supplied. The "praId" attribute within the PresenceInfo data type shall include the identifier of either a presence reporting area or a presence reporting area set. | PresenceInfo |
| andspDelInd | boolean | O | 0..1 | Indication that the updated ANDSP/WLANSP has been successfully delivered to the UE. "true" means that it has been successfully delivered. The default value is "false". | SliceAwareANDSP |
| pduSessions | array(PduSessionInfo) | O | 1..N | Contains the list of the DNN and SNSSAI pairs for which LBO information is being requested. It may be provided when the "LBO\_INFO\_CH" request trigger is provided. | VPLMNSpecificURSP |
| suppFeat | SupportedFeatures | C | 0..1 | Indicates the negotiated supported features.It shall be included in the HTTP POST response when the NF service consumer provided the supported features in the HTTP POST request. | FeatureRenegotiation |
| NOTE 1: The "PLMN\_CH", "CONF\_NSSAI\_CH", "LBO\_INFO\_CH", "SAT\_CATEGORY\_CHG","URSP\_ENF\_INFO" and "CON\_STATE\_CH" values in the "triggers" attribute apply under feature control as described in clause 4.2.3.2.NOTE 2: When the PolicyUpdate data type is used in a policy update notify service operation, either the complete resource URI included in the "resourceUri" attribute or the "apiSpecificResourceUriPart" component (see clause 5.1) of the resource URI included in the "resourceUri" attribute may be used by the NF service consumer (e.g. AMF) for the identification of the Individual UE Policy Association resource related to the notification. |

\* \* \* \* Next changes \* \* \* \*

#### 5.6.2.8 Type UeRequestedValueRep

Table 5.6.2.8-1: Definition of type UeRequestedValueRep

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| userLoc | UserLocation | C | 0..1 | The location of the served UE is camping shall be provided for trigger "LOC\_CH". |  |
| praStatuses | map(PresenceInfo) | C | 1..N | The UE presence statuses for tracking areas shall be provided for trigger "PRA\_CH". The "praId" attribute within the PresenceInfo data type shall also be the key of the map. |  |
| plmnId | PlmnIdNid | C | 0..1 | The serving network identity (a PLMN or an SNPN) of the served UE shall be provided for trigger "PLMN\_CH". | PlmnChange |
| connectState | CmState | C | 0..1 | The connectivity state of the served UE. It shall be provided for trigger "CON\_STATE\_CH". | ConnectivityStateChange |
| satBackhaulCategory | SatelliteBackhaulCategory | C | 0..1 | Indicates types of the satellite backhaul based on satellite types (when satellite backhaul is used) or non-satellite backhaul (when satellite backhaul is not used). It shall be provided for trigger "SAT\_CATEGORY\_CHG". | EnSatBackhaulCategoryChg |
| urspEnfReport | map(UrspEnforcementPduSession) | C | 1..N | Represents information about the enforced URSP rule(s) in one or more PDU sessions for the affected UE. The key of the map is a character string that represents an integer value (it may correspond with a PDU session identifier).It shall be present when the notified policy control request trigger is "URSP\_ENF\_INFO". | URSPEnforcement |
| lboRoamInfo | array(LboRoamingInformation) | C | 1..N | Contains a list of LBO roaming information for a DNN and S-NSSAI combination. It shall be provided for trigger "LBO\_INFO\_CH". | VPLMNSpecificURSP |
| confSnssais | array(ConfiguredSnssai) | C | 1..N | The Configured NSSAI for the serving PLMN, and the mapped S-NSSAI value of home network corresponding to the configured S-NSSAI in the serving PLMN. It shall be provided for trigger "CONF\_NSSAI\_CH". | NssaiChange |

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