**3GPP TSG- Meeting #**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  |  | **CR** |  | **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:*** | Wrong PCRT condition | | | | | | | | | |
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| ***Source to WG:*** |  | | | | | | | | | |
| ***Source to TSG:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** |  | | | | |  | ***Date:*** | | |  |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | |  |
|  | *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:*** | | The condition related to the contents of the "triggers" attribute (for reporting PCRTs) was changed by an SBIProtoc18 CR at CT3#134, indicating that the "triggers" attribute "**shall** only **contain the RequestTrigger values that require explicit subscription**". This is obviously wrong, since the triggers attribute *may* be provided and, even if provided, it *may* include (or not) any of the "*RequestTrigger values that require explicit subscription*". The text is NBC and contradicts the rest of the specification and the previous releases. | | | | | | | | |
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| ***Summary of change:*** | | Corrected the condition for the contents of the "triggers" attribute (PCRTs). | | | | | | | | |
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| ***Consequences if not approved:*** | | NBC change causing interoperability issues. | | | | | | | | |
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| ***Clauses affected:*** | | 5.6.2.2, 5.6.2.5 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 any OpenAPI file. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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

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 |  |
| triggers | array(RequestTrigger) | O | 1..N | Request Triggers that the PCF subscribes.  (NOTE 1) |  |
| servAreaRes | ServiceAreaRestriction | O | 0..1 | Service Area Restriction as part of the AMF Access and Mobility Policy as determined by the PCF |  |
| wlServAreaRes | WirelineServiceAreaRestriction | O | 0..1 | Wireline Service Area Restriction as part of the AMF Access and Mobility Policy as determined by the PCF | WirelineWirelessConvergence |
| rfsp | RfspIndex | O | 0..1 | RFSP Index as part of the AMF Access and Mobility Policy as determined by the PCF. |  |
| rfspValTime | DurationSec | O | 0..1 | Validity time of the RFSP Index value provided within the "rfsp" attribute.  It may be provided when the RFSP Index value within the "rfsp" attribute indicates the EPC/E-UTRAN access is prioritized over 5GS access. It shall be omitted for other RFSP Index values. | RFSPValidityTime |
| targetRfsp | RfspIndex | C | 0..1 | RFSP Index associated with the Target NSSAI. It shall be present if the Target NSSAI was received in the request and the trigger "TARGET\_NSSAI" is provided. | TargetNSSAI |
| pras | map(PresenceInfo) | C | 1..N | If the 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. |  |
| smfSelInfo | SmfSelectionData | O | 0..1 | If the trigger "SMF\_SELECT\_CH" is provided, the conditions for SMF selection information replacement, as determined by the PCF shall be provided. | DNNReplacementControl |
| ueAmbr | Ambr | O | 0..1 | UE-AMBR as part of the AMF Access and Mobility Policy as determined by the PCF. | UE-AMBR\_Authorization |
| ueSliceMbrs | array(UeSliceMbr) | O | 1..N | One or more UE-Slice-MBR(s) for S-NSSAI(s) of serving PLMN as part of the AMF Access and Mobility Policy as determined by the PCF. | UE-Slice-MBR\_Authorization |
| pcfUeInfo | PcfUeCallbackInfo | O | 0..1 | Contains the PCF for the UE information necessary for the PCF for the PDU session to send events notifications to the PCF for the UE. | AMInfluence |
| matchPdus | array(PduSessionInfo) | C | 1..N | Indicates the matched PDU session(s) for which the PCF for the UE information in the "pcfUeInfo" attribute shall be forwarded to the SMF. It shall be present when the "pcfUeInfo" attribute is present.  (NOTE 2) | AMInfluence |
| asTimeDisParam | AsTimeDistributionParam | O | 0..1 | Contains the 5G acess stratum time distribution parameters. | 5GAccessStratumTime |
| sliceUsgCtrlInfoSets | map(SliceUsgCtrlInfo) | O | 1..N | Represents the network slice usage control information.  The key of the map shall be set to the on-demand S-NSSAI (provided within the "snssai" attribute of the corresponding map entry encoded using the SliceUsgCtrlInfo data structure) to which the network slice usage control information is related. | NetSliceUsageCtrl |
| chfInfo | ChargingInformation | O | 0..1 | The address(es) and, if available, the CHF instance ID and the CHF set ID of the Charging Function.  (NOTE 3) | SLAMUP |
| suppFeat | SupportedFeatures | M | 1 | Indicates the negotiated supported features. |  |
| NOTE 1: Only the RequestTrigger enumeration values corresponding to PCRTs that require explicit subscription as defined in clause 5.6.3.3 shall be applicable within the "triggers" attribute.  NOTE 2: The DNN encoded within the PduSessionInfo element(s) of the "matchPdus" array contains a full DNN or only the DNN Network Identifier based on the DNN provided by the AF to the PCF in the AmInfluence API, as specified in 3GPP TS 29.522 [32]. When the DNN contains the Network Identifier only, the AMF shall match a PDU session for the received Network Identifier and for any value of the Operator Identifier.  NOTE 3: This attribute may only be supplied by the PCF in the response to the POST request that requested the creation of an individual AM policy resource. | | | | | |

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

5.6.2.5 Type PolicyUpdate

**Table 5.6.2.5-1: Definition of type PolicyUpdate**

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| --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Data type** | **P** | **Cardinality** | **Description** | **Applicability** |
| resourceUri | Uri | M | 1 | The resource URI of the individual AM policy related to the notification.  (NOTE 3) |  |
| triggers | array(RequestTrigger) | O | 1..N | Request Triggers that the PCF subscribes.  (NOTE 1) (NOTE 2) |  |
| servAreaRes | ServiceAreaRestriction | O | 0..1 | Service Area Restriction as part of the AMF Access and Mobility Policy as determined by the PCF. |  |
| wlServAreaRes | WirelineServiceAreaRestriction | O | 0..1 | Wireline Service Area Restriction as part of the AMF Access and Mobility Policy as determined by the PCF | WirelineWirelessConvergence |
| rfsp | RfspIndex | O | 0..1 | RFSP Index as part of the AMF Access and Mobility Policy as determined by the PCF. |  |
| rfspValTime | DurationSec | O | 0..1 | Validity time of the RFSP Index value provided within the "rfsp" attribute.  It may be provided when the RFSP Index value within the "rfsp" attribute indicates the EPC/E-UTRAN access is prioritized over 5GS access. It shall be omitted for other RFSP Index values. | RFSPValidityTime |
| targetRfsp | RfspIndex | C | 0..1 | RFSP Index associated with the Target NSSAI. It shall be present when the Target NSSAI was received in the request. | TargetNSSAI |
| smfSelInfo | SmfSelectionData | C | 0..1 | It may include updated conditions for SMF Selection information replacement. It shall include the PCF decision of the selected DNN when the "smfSelInfo" attribute containing the UE requested S-NSSAI and DNN was sent in the request. | DNNReplacementControl |
| ueAmbr | Ambr | C | 0..1 | UE-AMBR as part of the AMF Access and Mobility Policy. | UE-AMBR\_Authorization |
| ueSliceMbrs | array(UeSliceMbr) | O | 1..N | One or more UE-Slice-MBR(s) for S-NSSAI(s) of serving PLMN as part of the AMF Access and Mobility Policy as determined by the PCF. | UE-Slice-MBR\_Authorization |
| 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 PresenceInfo 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. |  |
| pcfUeInfo | PcfUeCallbackInfo | O | 0..1 | Contains the PCF for the UE information necessary for the PCF for the PDU session to send event notifications to the PCF for the UE. | AMInfluence |
| matchPdus | array(PduSessionInfo) | C | 1..N | Indicates the matched PDU session(s) for which the PCF for the UE information in the "pcfUeInfo" attribute shall be forwarded to the SMF.  It shall be present when the "pcfUeInfo" attribute is present and was not previously provisioned by the PCF for the UE.  (NOTE 4) | AMInfluence |
| asTimeDisParam | AsTimeDistributionParam | O | 0..1 | Contains the 5G acess stratum time distribution parameters. | 5GAccessStratumTime |
| snssaiReplInfos | map(SnssaiReplaceInfo) | O | 1..N | Contains the network slice replacement related Information for one or more S-NSSAI(s) of the UE's Allowed NSSAI and/or Partially Allowed NSSAI.  The key of the map shall be set to the concerned unavailable S-NSSAI provided within the "snssai" attribute of the corresponding map entry (encoded using the SnssaiReplaceInfo data structure). | NetSliceRepl |
| sliceUsgCtrlInfoSets | map(SliceUsgCtrlInfo) | O | 1..N | Represents the updated network slice usage control information.  The key of the map shall be set to the on-demand S-NSSAI (provided within the "snssai" attribute of the corresponding map entry encoded using the SliceUsgCtrlInfo data structure) to which the network slice usage control information is related. | NetSliceUsageCtrl |
| 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 "triggers" attribute may only contain RequestTrigger values that require explicit subscription as described in clause 5.6.3.3.  NOTE 2: The "SMF\_SELECT\_CH" trigger may be met only for new PDU sessions, i.e. it shall not apply to ongoing PDU sessions.  NOTE 3: 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 AM Policy Association resource related to the notification.  NOTE 4: The DNN encoded within the PduSessionInfo element(s) of the "matchPdus" array contains a full DNN or only the DNN Network Identifier based on the DNN provided by the AF to the PCF in the AmInfluence API, as specified in 3GPP TS 29.522 [32]. When the DNN contains the Network Identifier only, the AMF shall match a PDU session for the received Network Identifier and for any value of the Operator Identifier. | | | | | |

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