**3GPP TSG CT WG3 Meeting #142 *C3-253xxx***

**Goteborg, SE, 25th – 29th August, 2025 was C3-253427**

|  |
| --- |
| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
|  |
|  | **29.548** | **CR** | **0055** | **rev** | **1** | **Current version:** | **19.3.0** |  |
|  |
| *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)*.* |
|  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

|  |
| --- |
|  |
| ***Title:***  | Complete the definition of the Synchronization policy of the Multi-modal SEALDD policy |
|  |  |
| ***Source to WG:*** | Huawei |
| ***Source to TSG:*** | CT3 |
|  |  |
| ***Work item code:*** | XRM\_Ph2\_App |  | ***Date:*** | 2025-08-29 |
|  |  |  |  |  |
| ***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 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-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19) Rel-20 (Release 20)* |
|  |  |
| ***Reason for change:*** | The definition of the SyncPolicy data structure needs to be completed by completing the definition of the encoding of the MultiModalFlowType data structure so that the related Editor's Note can be resolved.Unlike what was proposed during CT3#141 meeting (see C3-251074) with an enumeration data type, it is proposed to define the MultiModalFlowType data type as a structured data type with a single string-encoded attribute that points directly to clause 6.43 of 3GPP TS 22.261. This way, there is no restriction in stage 3 on the values that the Multi-modal flow type can take and any evolutions in clause 6.43 of 3GPP TS 22.261 can be natively supported without the need to apply any updates in stage 3. |
|  |  |
| ***Summary of change:*** | This CR proposes to:* Address the above-detailed necessary updates/corrections to complete the definition of the Synchronization Policy.
 |
|  |  |
| ***Consequences if not approved:*** | * The above-detailed necessary updates/corrections are not addressed and the Synchronization Policy definition is not complete in stage 3.
 |
|  |  |
| ***Clauses affected:*** | 6.5.6.1, 6.5.6.2.14, 6.5.6.3.5 |
|  |  |
|  | **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 introduces backwards compatible corrections to the OpenAPI descriptions of the following APIs:* TS29548\_SDD\_PolicyConfiguration.yaml
 |
|  |  |
| ***This CR's revision history:*** |  |

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

#### 6.5.6.1 General

This clause specifies the application data model supported by the API.

Table 6.5.6.1-1 specifies the data types defined for the SDD\_PolicyConfiguration API.

Table 6.5.6.1-1: SDD\_PolicyConfiguration API specific Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Clause defined | Description | Applicability |
| AlignmentPolicy | 6.5.6.2.15 | Represents the multi-modal flows alignment policy. | XRMApp |
| BdwCtrlPolicy | 6.5.6.3.3 | Represents the bandwidth control policy. |  |
| GeofencingArea | 6.5.6.2.8 | Represents the geofencing area. | SEALDD\_2 |
| GeofencingPolicy | 6.5.6.2.7 | Represents the geofencing policy. | SEALDD\_2 |
| GeoPolAction | 6.5.6.3.4 | Represents the geofencing policy action. | SEALDD\_2 |
| MultiModalFlowType | 6.5.6.2.20 | Represents the Muti-modal flow type. | XRMApp |
| MultiModalSealddPolicy | 6.5.6.2.9 | Represents the Multi-modal SEALDD Policy. | XRMApp |
| Non3gppAccessMeasPol | 6.5.6.2.11 | Represents the non-3GPP access measurement policy. | SEALDD\_2 |
| QualGuarPolicy | 6.5.6.2.5 | Represents the quality guarantee policy. |  |
| QualGuarThresh | 6.5.6.2.6 | Represents the quality guarantee related thresholds. |  |
| PolicyConfig | 6.5.6.2.2 | Represents a SEALDD Policy Configuration. |  |
| PolicyConfigPatch | 6.5.6.2.3 | Represents the parameters to request the modification of a SEALDD Policy Configuration. |  |
| ProximityThresholds | 6.5.6.2.17 | Represents the proximity thresholds for entering/leaving the UE-to-UE direct communication mode. | XRMApp |
| QoEThresholds | 6.5.6.2.19 | Represents the QoE thresholds for entering/leaving the UE-to-UE direct communication mode. | XRMApp |
| QoSThresholds | 6.5.6.2.18 | Represents the QoS thresholds for entering/leaving the UE-to-UE direct communication mode. | XRMApp |
| SealddPolicy | 6.5.6.2.4 | Represents a SEALDD Policy. |  |
| SignalStrength | 6.5.6.2.12 | Represents the signal strength value. | SEALDD\_2 |
| SignalStrengthThreshold | 6.5.6.2.13 | Represents the signal strength threshold. | SEALDD\_2 |
| SyncPolicy | 6.5.6.2.14 | Represents the multi-modal synchronization policy. | XRMApp |
| TempPolicy | 6.5.6.2.10 | Represents the temporal policy. | SEALDD\_2 |
| UEToUEPolicy | 6.5.6.2.16 | Represents the multi-modal UE-to-UE policy. | XRMApp |

Table 6.5.6.1-2 specifies data types re-used by the SDD\_PolicyConfiguration API from other specifications, including a reference to their respective specifications, and when needed, a short description of their use within the SDD\_PolicyConfiguration API.

Table 6.5.6.1-2: SDD\_PolicyConfiguration API re-used Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Reference | Comments | Applicability |
| BitRate | 3GPP TS 29.571 [18] | Represents a bit rate. | XRMApp |
| DateTimeRo | 3GPP TS 29.122 [2] | Represents a date and a time with the "read-only" property. |  |
| DurationMilliSec | 3GPP TS 29.514 [19] | Represents a time duration in units of milliseconds. | XRMApp |
| GeographicArea | 3GPP TS 29.572 [22] | Represents a geographical area. | SEALDD\_2 |
| MatchingDirection | 3GPP TS 29.520 [20] | Represents a threshold matching direction. | SEALDD\_2 |
| MeasurementId | Clause 6.4.6.3.3 | Represents the transmission quality measurement type. |  |
| MultiModalId | 3GPP TS 29.514 [19] | Represents the identifier of a multi-modal service. | XRMApp |
| PacketErrRate | 3GPP TS 29.571 [18] | Represents the packet error rate. | XRMApp |
| PacketLossRate | 3GPP TS 29.571 [18] | Represents the packet loss rate. | XRMApp |
| ScheduledCommunicationTime | 3GPP TS 29.122 [2] | Represents a time schedule. | SEALDD\_2 |
| Snssai | 3GPP TS 29.571 [18] | Represents a S-NSSAI. | XRMApp |
| SupportedFeatures | 3GPP TS 29.571 [18] | Represents the list of supported feature(s) and used to negotiate the applicability of the optional features. |  |
| ThresholdHandlingMode | 3GPP TS 29.549 [15] | Represents threshold handling mode. | SEALDD\_2 |
| TransQualMeasCriteria | Clause 6.4.6.2.7 | Represents the transmission quality measurement reporting criteria. |  |
| TimeWindow | 3GPP TS 29.122 [2] | Represents a time window. | SEALDD\_2 |
| Uint32 | 3GPP TS 29.571 [18] | Represents an unsigned 32-bit integer. | XRMApp |
| Uinteger | 3GPP TS 29.571 [18] | Represents an unsigned integer. | XRMApp |
| Uri | 3GPP TS 29.122 [2] | Represents a URI. |  |
| ValTargetUe | 3GPP TS 29.549 [15] | Represents the identifier of the targeted VAL UE or VAL user. |  |

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

##### 6.5.6.2.14 Type: SyncPolicy

Table 6.5.6.2.14-1: Definition of type SyncPolicy

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| flowType1 | MultiModalFlowType | M | 1 | Contains the first multi-modal flow type.(NOTE) |  |
| flowType2 | MultiModalFlowType | M | 1 | Contains the second multi-modal flow type.(NOTE) |  |
| syncThreshold | DurationMilliSec | M | 1 | Contains the maximum tolerable time delay, expressed in milliseconds, by which the multi-modal flow type identified by the "flowType1" attribute can be delayed compared to the multi-modal flow type identified by the "flowType2" attribute of the application, such that they can be perceived as being synchronous. |  |
| NOTE: These attributes shall not be set to the same value. |

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

##### 6.5.6.3.5 Enumeration: MultiModalFlowType

The enumeration MultiModalFlowType represents the Multi-modal flow type. It shall comply with the provisions defined in table 6.5.6.3.5-1.

Table 6.5.6.3.4-1: Enumeration MultiModalFlowType

|  |  |  |
| --- | --- | --- |
| Enumeration value | Description | Applicability |
| AUDIO | Indicates that the Multi-modal flow type is audio. |  |
| VIDEO | Indicates that the Multi-modal flow type is video. |  |
| VOICE | Indicates that the Multi-modal flow type is voice. |  |

Editor's Note: The full content of this enumeration data type is FFS.

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