**3GPP TSG-S4 Meeting #133-e*****S4-251461r01***

**Electronic, Online, 18th–25th July 2025** revision of S4-251223

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **26.512** | **CR** | **0096** | **rev** | **1** | **Current version:** | **18.6.0** |  |
|  | | | | | | | | |
| *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 | **X** | Radio Access Network |  | Core Network | **X** |

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|  | | | | | | | | | | |
| ***Title:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | BBC, Huawei | | | | | | | | | |
| ***Source to TSG:*** | S4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GMS\_Pro\_Ph2 | | | | |  | ***Date:*** | | | 2025-07-21 |
|  |  | | | |  | |  | | |  |
| ***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 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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | * TS 26.501 defines procedures for uplink media streaming, but no specification of these is provided at stage-3. * 26510-**CR0030** renames some data types in this deliverable. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | * Provide a minimal skeleton in Rel-18 to be expanded upon in subsequent releases. * Provide OpenAPI YAML updates to deprecated APIs in clause C.4. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | * Stage-3 is misaligned with stage-2. * OpenAPI YAML will not validate in Release 18. | | | | | | | | |
| ***Q*** | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.3 (new), 5.4 (new), 5.5 (new), 5.6 (new), 5.7 (new), 5.8 (new), 5.9 (new), 5.10 (new), C.4.4, C.4.5 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS 26.510 CR0030 | | |
| ***affected:*** | |  | **X** | Test specifications | | | |  | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | |  | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | | Backported from 26512-CR0090 Rel‑19 [S4-251118] endorsed at SA4#132.  Updates to deprecated OpenAPI YAML APIs in annex C.4 impact TS29517\_Naf\_EventExposure.yaml. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | CR0096 [S4-251223]: Submitted for WG agreement.  CR0096r1 [S4-251461]: Resubmitted for WG agreement with correction to clause 5.9 heading.  CR0096r2 [S4-25xxxx]: Resubmitted for WG agreement with OpenAPI YAML updates to deprecated APIs. | | | | | | | | |

change

## 5.3 Procedures of the M1u (5GMSu Provisioning) interface

Procedures at this reference point are for further study.

## 5.4 Procedures of the M2u (5GMSu content egest) interface

Procedures at this reference point are for further study.

## 5.5 Procedures of the M3u interface

Procedures at this reference point are for further study.

## 5.6 Procedures of the M4u (Media Streaming) interface

Procedures at this reference point are for further study.

## 5.7 Procedures of the M5u (Media Session Handling) interface

Procedures at this reference point are for further study.

## 5.8 Procedures of the M6u (UE Media Session Handling) interface

Procedures at this reference point are for further study.

## 5.9 Procedures of the M7u (UE Media Streamer) interface

Procedures at this reference point are for further study.

## 5.10 Procedures of the M8u interface

This clause defines basic procedures at reference point M8u.

No specific procedures are defined but it is expected that the 5GMSu Application Provider can provide media session entry points to a 5GMSu-Aware Application through reference point M8u. The 5GMSu-Aware Application would then initiate the uplink media session by providing such an entry point to the 5GMSu Client through reference point M7u. Multiple alternative entry points of the same uplink media streaming service may be provided.

Change

## C.4.4 M5\_DynamicPolicies API

This file is specified for the sole purpose of maintaining backwards compatibility for Release 17 of TS 29.517 [46]. The data types it specifies are deprecated and shall not be used in the present release.

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| --- |
| openapi: 3.0.0  info:    title: M5\_DynamicPolicies (deprecated)    version: 3.0.4    description: |      5GMS AF M5 Dynamic Policy API  *© 2025*, 3GPP Organizational Partners (ARIB, ATIS, CCSA, ETSI, TSDSI, TTA, TTC).      All rights reserved.  tags:    - name: M5\_DynamicPolicies      description: '5G Media Streaming: Media Session Handling (M5) APIs: Dynamic Policies (deprecated)'  externalDocs:    description: 'TS 26.512 V18.7.0; 5G Media Streaming (5GMS); Protocols'    url: 'https://www.3gpp.org/ftp/Specs/archive/26\_series/26.512/'  paths: {}  components:    schemas:      DynamicPolicy:        deprecated: true        description: "A representation of a Dynamic Policy resource."        type: object        required:          - dynamicPolicyId          - policyTemplateId          - serviceDataFlowDescriptions          - provisioningSessionId        properties:          dynamicPolicyId:            readOnly: true            allOf:              - $ref: 'TS26510\_CommonData.yaml#/components/schemas/ResourceId'          policyTemplateId:            $ref: 'TS26510\_CommonData.yaml#/components/schemas/ResourceId'          serviceDataFlowDescriptions:            type: array            items:              $ref: 'TS26510\_CommonData.yaml#/components/schemas/ApplicationFlowDescription'          mediaType:            $ref: 'TS29514\_Npcf\_PolicyAuthorization.yaml#/components/schemas/MediaType'          provisioningSessionId:            $ref: 'TS26510\_CommonData.yaml#/components/schemas/ResourceId'          qosSpecification:            $ref: 'TS26510\_CommonData.yaml#/components/schemas/ClientPolicySpecification'          enforcementMethod:            readOnly: true            type: string          enforcementBitRate:            readOnly: true            $ref: 'TS29571\_CommonData.yaml#/components/schemas/Uinteger' |

## C.4.5 M5\_NetworkAssistance API

This file is specified for the sole purpose of maintaining backwards compatibility for Release 17 of TS 29.517 [46]. The data types it specifies are deprecated and shall not be used in the present release.

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| --- |
| openapi: 3.0.0  info:    title: M5\_NetworkAssistance (deprecated)    version: 3.0.4    description: |      5GMS AF M5 Network Assistance API  *© 2025*, 3GPP Organizational Partners (ARIB, ATIS, CCSA, ETSI, TSDSI, TTA, TTC).      All rights reserved.  tags:    - name: M5\_NetworkAssistance      description: '5G Media Streaming: Media Session Handling (M5) APIs: Network Assistance (deprecated)'  externalDocs:    description: 'TS 26.512 V18.7.0; 5G Media Streaming (5GMS); Protocols'    url: 'https://www.3gpp.org/ftp/Specs/archive/26\_series/26.512/'  paths: {}  components:    schemas:      NetworkAssistanceSession:        deprecated: true        description: "A representation of a Network Assistance Session resource."        type: object        required:          - naSessionId          - provisioningSessionId          - serviceDataFlowDescriptions        properties:          naSessionId:            readOnly: true            allOf:              - $ref: 'TS26510\_CommonData.yaml#/components/schemas/ResourceId'          provisioningSessionId:            $ref: 'TS26510\_CommonData.yaml#/components/schemas/ResourceId'          serviceDataFlowDescriptions:            type: array            items:              $ref: 'TS26510\_CommonData.yaml#/components/schemas/ApplicationFlowDescription'            minItems: 1          mediaType:            $ref: 'TS29514\_Npcf\_PolicyAuthorization.yaml#/components/schemas/MediaType'          policyTemplateId:            $ref: 'TS26510\_CommonData.yaml#/components/schemas/ResourceId'          requestedQoS:            $ref: 'TS26510\_CommonData.yaml#/components/schemas/ClientPolicySpecification'          recommendedQoS:            readOnly: true            allOf:              - $ref: 'TS26510\_CommonData.yaml#/components/schemas/ClientPolicySpecification'          notficationURL:            readOnly: true            allOf:              - $ref: 'TS26510\_CommonData.yaml#/components/schemas/AbsoluteUrl' |

End of changes