**3GPP TSG SA WG4 Meeting #126 S4-231971**

**Chicago, US, 13 - 17 Nov 2023** *revision of S4-231654*

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **26.512** | **CR** | 0051 | **rev** | **3** | **Current version:** | **17.6.0** |  |
|  | | | | | | | | |
| *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:*** | [5GMS\_Pro\_Ph2] Uplink Streaming and multi-entry downlink streaming: unified media entry point | | | | | | | | |
|  |  | | | | | | | | |
| ***Source to WG:*** | Tencent | | | | | | | | |
| ***Source to TSG:*** | S4 | | | | | | | | |
|  |  | | | | | | | | |
| ***Work item code:*** | 5GMS\_Pro\_Ph2 | | | | |  | ***Date:*** | | 2023-11-03 |
|  |  | | | |  | |  | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | Rel-18 |
|  |  | | | | | | | | |
| ***Reason for change:*** | | Defines the media entry points for multi-entry downlink streaming as well as uplink streaming in a unified way:  1. Enables multi-entry downlink streaming  2. Enabes multi-entry uplink streaming  3. Uses the same property for downlink resource URL and the uplink base URL | | | | | | | |
|  | |  | | | | | | | |
| ***Summary of change:*** | | 1. Streaming Access in Service Access Information | | | | | | | |
|  | |  | | | | | | | |
| ***Consequences if not approved:*** | | Lack of support in both cases of downlink and uplink streaming. | | | | | | | |
| ***Q*** | |  | | | | | | | |
| ***Clauses affected:*** | | 8, 8.1, 10.3 (new) | | | | | | | |
|  | |  | | | | | | | |
|  | | **Y** | **N** |  | | | |  | |
| ***Other specs*** | |  | **X** | Other core specifications | | | |  | |
| ***affected:*** | |  | **X** | Test specifications | | | |  | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | |  | |
|  | |  | | | | | | | |
| ***Other comments:*** | |  | | | | | | | |
|  | |  | | | | | | | |
| ***This CR's revision history:*** | | S4-231255: initial version.  S4-231472: endorsed in SA4#125  S4-231654: 10.3: added the contribution protocol, and removed the clauses that are intended for 26.510. | | | | | | | |

FIRST CHANGE

# 8 Media ingest and publish (M2) protocols

## 8.1 General

The set of content protocols supported by the 5GMS AS is listed in table 8.1-1 below:

Table 8.1-1: Supported content protocols

| Description | Term identifier | Clause |
| --- | --- | --- |
| Content ingest protocols at reference point M2d | | |
| HTTP pull-based content ingest protocol | urn:3gpp:5gms:content-protocol:http-pull-ingest | 8.2 |
| DASH-IF push-based content ingest protocol | urn:3gpp:5gms:content-protocol:dash-if-ingest | 8.3 |
| Content egest protocols at reference point M2u | | |
| HTTP pull-based content egest protocol | urn:3gpp:5gms:content-protocol:http-pull-egest | 8.4 |
| DASH-IF push-based content egest protocol | urn:3gpp:5gms:content-protocol:dash-if-ingest | 8.5 |

NEXT CHANGE

## 10.3 Contribution protocols

### 10.3.1 General

The contribution protocols supported by the 5GMSu AS at reference point M4u are listed in table 10.3-1 below:

Table 10.3.1-1: Supported contribution protocols at reference point M4u

|  |  |  |
| --- | --- | --- |
| Description | Term identifier | Clause |
| DASH-IF push-based content ingest protocol | urn:3gpp:5gms:content-protocol:dash-if-ingest | 10.3.1 |

### 10.3.2 DASH-IF push-based contribution protocol

If streamingAccess.profiles is set to urn:3gpp:5gms:content-protocol:dash-if-ingest in the Service Access Information, media resources shall be streamed to the 5GMSu AS as specified by the DASH‑IF Live Media Ingest specification [3]. The properties of the content shall be specified in streamingAccess.contentType using one or more of the values specified in table 6 of clause 7.1.2 of [3]. The content shall conform to at least one of the conformance profiles listed in streamingAccess.profiles, if any.

END OF CHANGES