**3GPP TSG- Meeting #**

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| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
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|  |  | **CR** |  | **rev** |  | **Current version:** |  |  |
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| *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:***  |  |
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| ***Source to WG:*** |  |
| ***Source to TSG:*** | SA4 |
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| ***Work item code:*** |  |  | ***Date:*** |  |
|  |  |  |  |  |
| ***Category:*** |  |  | ***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 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)* |
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| ***Reason for change:*** | Corrections and clarifications of existing text. |
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| ***Summary of change:*** | Corrections and clarifications to use consistent terminology, provide correct references, etc. |
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| ***Consequences if not approved:*** | TS 26.510 Rel-18 errors not corrected. |
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| ***Clauses affected:*** | 5.2.8.2 |
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|  | **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:*** | S4al250129: New CR. |

## ===== CHANGE =====

#### 5.2.8.2 Create Content Hosting Configuration resource operation

This operation is used by the Media Application Provider at reference point M1 to activate the Content Hosting feature for a particular Provisioning Session. The Media Application Provider shall use the HTTP POST method for this purpose. The request URL shall be a well-known sub-resource of the Provisioning Session resource, as specified in clause 8.8.2. The HTTP request message body shall be a Content Hosting Configuration resource representation, as specified in clause 8.8.3.1. There is at most one Content Hosting Configuration at a time for a given Provisioning Session.

Regarding the configuration of content ingest by the Media AS from the Media Application Provider at reference point M2:

- If the Content Hosting Configuration uses the pull-based content ingest method, i.e., the IngestConfiguration.‌mode attribute is set to PULL, then the IngestConfiguration.‌baseURL property shall be nominated by the Media Application Provider in the request message body. The Media AF shall return the IngestConfiguration.‌baseURL property value unchanged in its response message body.

- If the Content Hosting Configuration uses the push-based content ingest method, i.e., the IngestConfiguration.mode attribute is set to PUSH, then the IngestConfiguration.baseURL property shall be nominated by the Media AF and returned in the response message body. It shall not be set by the Media Application Provider in the request message body.

Regarding the configuration(s) of content distribution by the Media AS to the Media Client at reference point M4:

- The Media Application Provider defines one or more distribution configurations in the distributionConfigurations array within a Content Hosting Configuration to distribute content via the Media AS. When more than one content distribution configuration is provided in the HTTP request message body, the operation to create the Content Hosting Configuration resource shall be successful if and only if all such distribution configurations are acceptable to the Media AF.

- In all cases, the DistributionConfiguration.‌canonicalDomainName and DistributionConfiguration.‌baseURL properties are read-only at reference point M1: they shall always be omitted from the creation request and shall be assigned by the Media AF, allowing their values to be inspected by the Media Application Provider in the returned Content Hosting Configuration resource representation, or by using the operation specified in clause 5.2.8.3 below.

- If the DistributionConfiguration.‌certificateId property is present and valid, the Media AF shall assign a canonical domain name for the Media AS to expose at reference point M4 that matches the Common Name and the first Subject Alternative Name in the referenced Server Certificate resource (taking into account wildcard matching) regardless of whether the corresponding X.509 certificate was created using the operation specified in clause 5.2.4.2 or those specified in clauses 5.2.4.3 and 5.2.4.4.

- The Media Application Provider may nominate an alternative domain name to be advertised to the Media Client in the Service Access Information by setting the DistributionConfiguration.‌domainNameAlias property when (and only when) creating the Content Hosting Configuration resource. If valid, the value of this property shall then appear in the Distribution‌Configuration.‌baseURL assigned by the Media AF instead of DistributionConfiguration.‌canonicalDomainName. The Media Application Provider shall ensure that this domain name alias resolves to the canonical domain name of the Media AS notified by the Media AF in its response by means of suitable DNS configuration.

- If the DistributionConfiguration.‌entryPoint property is present and valid, the Media Entry Point applies to all content distributed from the Media AS associated with the distribution configuration in question; and the Media AF shall provide the Media Entry Point to the Media Client within the Service Access Information at reference point M5 (see clause 9.2.3.1).

- The RelativeMediaEntryPoint.‌relativePath property points to a Media Entry Point document resource that may describe:

- A single content item or a document with pointers to a single content item.

- A downlink streaming session configuration that applies to multiple content items (e.g., content items selected from a catalogue by the Media-aware Application).

- The RelativeMediaEntryPoint.‌profiles array may optionally specify a list of conformance profile URIs associated with the Media Entry Point, where a profile may indicate an interoperability point, for example.

If the operation is successful, the Media AF shall return a 201 (Created) HTTP response message, and the request URL shall be returned as the value of the Location HTTP header field. The response message body shall be a representation of the current state of the Content Hosting Configuration resource (see clause 8.8.3.1), including any properties assigned by the Media AF.

If any resources referenced by the supplied Content Hosting Configuration resource representation are invalid, the create operation shall fail with an HTTP response status code of 400 (Bad Request) and an error message body per clause 7.1.7. In this case, the Content Hosting Configuration resource shall remain in an uncreated state in the Media AF.

If DistributionConfiguration.‌domainNameAlias is set in the supplied Content Hosting Configuration resource representation but its value is not a syntactically valid Fully-Qualified Domain Name or if the DistributionConfiguration.‌certificateId property is absent or if the supplied domain name alias does match any of one of the Subject Alternative Names listed in the Server Certificate referenced by the DistributionConfiguration.‌certificateId property, the create operation shall fail with an HTTP response status code of 400 (Bad Request) and an error message body per clause 7.1.7. In this case, the Content Hosting Configuration resource shall remain in an uncreated state in the Media AF.

NOTE: Even if multiple distribution configurations in the same Content Hosting Configuration reference the same Server Certificate resource, they may each nominate a different domain name alias from among its Subject Alternative Names.

Attempting to create a Content Hosting Configuration in the scope of a Provisioning Session of any type other than MS\_DOWNLINK shall fail with an HTTP response status code of 403 (Forbidden) and an error message body per clause 7.1.7. In this case, the Content Hosting Configuration resource shall remain in an uncreated state in the Media AF.

If the request is acceptable but the Media AF is unable to provision the resources required by the supplied Content Hosting Configuration, the create operation shall fail with an HTTP response status code of 500 (Internal Server Error) and an error message body per clause 7.1.7. In this case, the Content Hosting Configuration resource shall remain in an uncreated state in the Media AF.