



ATSC

ADVANCED TELEVISION
SYSTEMS COMMITTEE

ATSC Standard: A/344:2019 Amendment No. 10, DRM Error Codes

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Advanced Television Systems Committee
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Revision History

Version	Date
Amendment approved	3 February 2020

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1. OVERVIEW

1.1 Definition

An Amendment is generated to document an enhancement, an addition or a deletion of functionality to previously agreed technical provisions in an existing ATSC document. Amendments shall be published as attachments to the original ATSC document. Distribution by ATSC of existing documents shall include any approved Amendments.

1.2 Scope

This document maps EME exceptions to JSON error codes in Table 8.2.

1.3 Rationale for Changes

The DRM-related JSON functions can return EME error codes and need new JSON code space assignments.

1.4 Compatibility Considerations

This amendment fills a gap and enables proper operation where there was none before. Existing Broadcaster Application behavior is undefined. However, existing Broadcaster Applications are expected to ignore items that they do not understand per the provisions of Section 9.1: “*The Broadcaster Application is expected to gracefully ignore unknown keys and unknown values for existing keys, including unknown enumeration values.*”

2. LIST OF CHANGES

Change instructions are given below in *italics*. Unless otherwise noted, inserted text, tables, and drawings are shown in **red (due to text coloring in base document)**; deletions of existing text are shown in ~~red-strikeout~~. The text “[ref]” indicates that a cross reference to a cited referenced document should be inserted.

A/344 maintains a “revision log” of its included APIs from revision to revision by listing the changes in Table 9.1. In addition, each revision includes an Annex that captures the API from the previous edition in unchanged form. By maintaining the previous API definition in the document, implementers may look at the history of each API. When this amendment is finally rolled into the main revision document, Table 9.1 will need to be updated and the original text of the API modified below may be copied into the Annex for the revision.

2.1 Normative References

Modify Table 8.2 as follows:

Table 8.1 JSON-RPC ATSC Error Codes

Code	Message	Meaning
-1	Unauthorized	Request cannot be honored due to domain restrictions.
-2	Not enough resources	No resources available to honor the request.
-3	System in standby	System is in standby. Request cannot be honored.
-4	Content not found	Requested content cannot be found. For example, invalid URL.
-5	No broadband connection	No broadband connection available to honor the request.
-6	Service not found	The requested Service cannot be located.
-7	Service not authorized	The requested Service was acquired but is not authorized for viewing due to conditional access restrictions.
-8	Video scaling/position failed	The request to scale and/or position the video did not succeed.
-9	XLink cannot be resolved	The request to resolve an XLink has failed.
-10	Track cannot be selected	The media track identified in the Media Track Selection API cannot be found or selected.
-11	The indicated MPD cannot be accessed	In response to the Set RMP URL API, the MPD referenced in the URL provided cannot be accessed.
-12	The content cannot be played	In response to the Set RMP URL API, the requested content cannot be played.
-13	The requested MPD Anchor cannot be reached	In response to the Set RMP URL API, the MPD Anchor indicated cannot be reached (e.g. beyond the end of the file).
-14	Unsupported Content Protection System	The specified content protection system is not supported by the Receiver.
-15	Illegal URL Format	The URL format specified in <code>sourceURL</code> or <code>targetURL</code> of the request is illegal.
-16	Illegal URL Format	The URL format specified in one or more URLs in the requested list is illegal.
-17	Malformed DASH Period	The format of the MPEG DASH fragment specified in the Period is illegal.
-18	MPD not found	The referenced MPD file cannot be found.
-19	The synchronization specified by <code>rmpSyncTime</code> cannot be achieved	In response to the Set RMP URL API with <code>rmpSyncTime</code> , the synchronization indicated by <code>rmpSyncTime</code> cannot be achieved.
-100	EME TypeError	See EME Section 6.5 [23]
-101	EME NotSupportedError	See EME Section 6.5 [23]
-102	EME InvalidStateError	See EME Section 6.5 [23]
-103	EME QuotaExceededError	See EME Section 6.5 [23]

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