



ATSC

ADVANCED TELEVISION
SYSTEMS COMMITTEE

ATSC Standard: A/338:2019 Amendment No. 1, CD Event Stream API

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Advanced Television Systems Committee
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Revision History

Version	Date
Amendment approved	21 January 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 extends the allowed APIs used by a Companion Device to include the Event Stream APIs documented in A/344:2019 Section 9.6.

1.3 Rationale for Changes

The APIs provided to a Companion Device (CD) by the Primary Device (PD) are a subset of the APIs provided to the Broadcaster Application through the respective WebSocket interfaces. The current APIs defined in A/338 are a direct replacement for the functionality provided in A/338:2017 which were derived from HbbTV interfaces. Since the time of the original A/338:2019 revision, implementation of the standard has uncovered the need to allow events to be forwarded to the CD from the PD. In the present system, this must be accomplished through the Broadcaster Application acting as an intermediary which is inefficient. It also requires a Broadcaster Application to be running which may not be needed for some use cases which involve the Companion Device only.

1.4 Compatibility Considerations

This amendment is backwards compatible since the API is in addition to the current APIs. Furthermore, the mechanisms currently available have not been deprecated so any Broadcaster Application that forwards the Event Stream to a Companion Device would still operate as before.

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 base standard text coloring); 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.

Add a row to Table 5.1 in Section 5.6 as follows:

Table 5.1 Applicable APIs

WebSocket API	A/344 API Section References
Notification Subscribe / Unsubscribe	9.7.6
Current Service Query and Change Notification	9.2.3, 9.3.3
Service Guide Query and Change Notification	9.2.10, 9.3.10
Advanced Emergency Alert Query and Change Notification	9.2.9, 9.3.9
Event Stream APIs including Subscribe / Unsubscribe and Event Notification	9.6
Receiver Media Playback Query and Change Notification	9.14

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