



ATSC

ADVANCED TELEVISION
SYSTEMS COMMITTEE

**ATSC Standard:
A/331:2022-11 Amendment No. 1
“Application Lifecycle”**

Doc. A/331:2022-11 Amend. No. 1
8 February 2023

Advanced Television Systems Committee
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Revision History

Version	Date
Amendment approved	8 February 2023

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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 amendment is in response to New Project Proposal N-047r0-(S33-595r2)-Contrib-NPP-A331-AMD-App-Lifecycle.” It removes the Broadcaster Application Lifecycle provisions (7.1.2.3), and then defers to a revision of A/344 currently under development. This includes semantics of some of the HELD fields.

1.3 Rationale for Changes

The existing text has various provisions that are inconsistent with the related lifecycle text in A/344 as well as current practices. It is very difficult to split the model across two specifications and make sense of it. The recent consensus of both S33 and S38 was to move it (and fix it) in A/344.

1.4 Compatibility Considerations

The changes described in this document have no impact on interoperability directly, but the work in A/344 is being changed which it will reference. There is evidence that there is not interoperability in this area today and anything that clarifies the model would be a benefit to the industry.

2. LIST OF CHANGES

Change instructions are given below in *italics*. Unless otherwise noted, inserted text, tables, and drawings are shown in **blue**; 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.

2.1 Normative References

[47] ATSC: “ATSC Standard: ATSC 3.0 Interactive Content,” Doc. A/344:~~2022-03~~2023-02, Advanced Television Systems Committee, Washington, DC, ~~31 March 2022~~17 February 2023.

2.2 Change Instructions

7.1.2.3 **Broadcaster** Application Lifecycle

For the Broadcaster Application Lifecycle, see A/344, Section 6.3 [47].

~~The application lifecycle is indicated by the presence or absence of a valid HELD and the entries in it. This section informatively describes the application life cycle. For specific syntax and semantics of the HELD, see Section 7.1.8.~~

- ~~• Receipt of a valid HELD is an indication to a receiver that an Entry Page accessible via the @bcastEntryPageUrl attribute or the @bbandEntryPageUrl attribute in the HELD is~~

~~available to be loaded immediately or according to the @validFrom and @validUntil attributes, if present.~~

- ~~When a new @bcastEntryPageUrl attribute or a new @bbandEntryPageUrl attribute is signaled via HELD, it is an indication to the receiver to unload the previous Entry Page and load the new one accessible via the new @bcastEntryPageUrl attribute or @bbandEntryPageUrl attribute immediately or according to the @validFrom and @validUntil attributes, if present.~~
 - ~~Note that logic within a given Entry Page may load and unload sub-pages as described in Section 7.1.2.2 above; such actions are application specific and are not governed by the HELD.~~
- ~~When the date/time indicated by the @validUntil attribute in HELD is reached and no new valid @bcastEntryPageUrl attribute or @bbandEntryPageUrl attribute has been signaled, it is an indication to the receiver to unload the previous Entry Page and not load a new Entry Page.~~
- ~~When the HELD is no longer present or no longer valid, it is an indication to the receiver to unload the previous Entry Page and not launch a new Entry Page.~~

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