ATSC Standard: A/331:2025-02 Amendment No. 1, "@configuration Clarifications"

Doc. A/331:2025-02 Amend. No. 1
18 June 2025

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Revision History

Version	Date
Amendment approved	18 June 2025

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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 describes clarifications to ROUTE "@configuration" values, removing "assumptions".

1.3 Rationale for Changes

The changes described in this document are being proposed to clarify and avoid confusion.

1.4 Compatibility Considerations

The changes described in this document are backward-compatible relative to the currently published version of the standard to which this Amendment pertains and any previously approved Amendments for that standard as the operation of the standard does not change, even though conformance terms are modified.

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

None.

2.2 Informative References

None.

2.3 Acronyms and Abbreviations

None.

2.4 Terms

None.

2.5 Change Instructions

Revise Section 8.2.1.2.1 and 8.2.1.2.2 as shown:

8.2.1.2 ROUTE Service Configurations

8.2.1.2.1 Broadcast

In this Service Configuration, all Components shall be carried exclusively over broadcast (ROUTE); i.e., no Components are delivered over broadband (HTTPS). This Service Configuration is signaled by **SLT.Service**@configuration="Broadcast". If @configuration is not present~~, and MPD.BaseURL is not present, then it is expected that the Receiver will assume the Service Configuration to be~~ the value is (by default) "Broadcast".

If **SLT.Service**@configuration="Broadcast", MPD.BaseURL carries no meaning.

8.2.1.2.2 Broadband

In this Service Configuration, all Components shall be carried exclusively over broadband (i.e., HTTPS) – i.e. no Components are delivered via broadcast. This Service Configuration is signaled by **SLT.Service**@configuration="Broadband". ~~If @configuration is not present and MPD.BaseURL is present, then it is expected that the Receiver will assume the Service Configuration to be "Broadband".~~

If the configuration is Broadband then **SLT.Service**@configuration shall be present and set to "Broadband" and MPD.BaseURL shall be present.

Access to the service should be protected in a manner that reasonably precludes viewing broadband content outside the authorized geographic area. The Essential Components should be encrypted.

In addition:

- **SLT.Service**@broadbandAccessRequired shall be set to "true".

If the USBD is present, then:

- **BundleDescriptionROUTE.UserServiceDescription.DeliveryMethod.BroadcastAppService** shall be absent.
- **BundleDescriptionROUTE.UserServiceDescription.DeliveryMethod.UnicastAppService** shall be present and **BasePattern** shall be set to the value of **MPD.BaseURL**.

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