Release Notes for ATSC A/331 Schemas

December 8, 2021

This document is informative and does not form a part of any ATSC Standard. These are some notes to help implementers more efficiently use the XML schemas provided with ATSC Standard A/331.

As stated in A/331, its schemas are normative and authoritative. For any discrepancy between the schemas and the A/331 text, the schemas take precedence.

Also, as noted in A/331, the intent in the schemas is that every element can be extended with external namespace elements (for complex content elements only) and attributes. Any omission of this in these schemas is an error in the schema. Note that the ATSC schemas use processContents=”strict” which means for an extended instance document to validate that an XML schema must be available and referenced. Even if you are not defining extensions, you may wish to consider modifying the 3GPP and IETF schemas to processContents=”strict” to improve schema validation.

These schemas and/or application instance documents rely on various other external schemas which are not provided in this distribution due to copyright. Two “external” ATSC schemas, A/332 SA-1.0, are included in this ZIP, however you may wish to check for more recent schema publications online at atsc.org.

The table below provides the namespace, filename, and spec reference details for all of them. In most cases the schemas do not have well-defined filenames. Below are the filenames used by ATSC’s schemas. They are placed in sub-directories of the ATSC schemas: W3C, IETF, 3GPP and ATSC respectively.

|  |  |  |
| --- | --- | --- |
| **Namespace** | **Filename** | **Citation** |
| http://www.w3.org/XML/1998/namespace | xml.xsd | <http://www.w3.org/XML/1998/namespace> |
| urn:ietf:params:xml:ns:fdt | RFC6726-FDTInstance.xsd | <https://www.ietf.org/rfc/rfc6726.txt> |
| urn:3GPP:metadata:2007:MBMS:FLUTE:FDT | FLUTE-FDT-3GPP-2007-Extensions.xsd | <http://www.etsi.org/deliver/etsi_ts/126300_126399/126346/13.06.00_60/ts_126346v130600p.pdf> |
| urn:3GPP:metadata:2012:MBMS:FLUTE:FDT | FLUTE-FDT-3GPP-2012-Extensions.xsd | <http://www.etsi.org/deliver/etsi_ts/126300_126399/126346/13.06.00_60/ts_126346v130600p.pdf> |
| urn:3gpp:metadata:2005:MBMS:envelope | MetadataEnvelope.xsd | <http://www.etsi.org/deliver/etsi_ts/126300_126399/126346/13.06.00_60/ts_126346v130600p.pdf> |
| tag:atsc.org,2016:XMLSchemas/ATSC3/SA/1.0/ | SA-1.0-20210312.xsd | <https://www.atsc.org/atsc-documents/type/3-0-standards/> |