



**ATSC**

ADVANCED TELEVISION  
SYSTEMS COMMITTEE

# **ATSC Standard: A/327:2024-04 Amendment #2, "TxID Code Assignments"**

---

Doc. A/327:2024-04 Amend. No. 2  
24 February 2025

**Advanced Television Systems Committee**  
1300 I Street, N.W. Suite 400E  
Washington, D.C. 20005  
202-872-9160

The Advanced Television Systems Committee, Inc. is an international, non-profit organization developing voluntary standards and recommended practices for broadcast television and multimedia data distribution. ATSC member organizations represent the broadcast, professional equipment, motion picture, consumer electronics, computer, cable, satellite, and semiconductor industries. ATSC also develops implementation strategies and supports educational activities on ATSC standards. ATSC was formed in 1983 by the member organizations of the Joint Committee on Inter-society Coordination (JCIC): the Consumer Technology Association (CTA), the Institute of Electrical and Electronics Engineers (IEEE), the National Association of Broadcasters (NAB), the Internet & Television Association (NCTA), and the Society of Motion Picture and Television Engineers (SMPTE). For more information visit [www.atsc.org](http://www.atsc.org).

---

*Note:* The user's attention is called to the possibility that compliance with this standard may require use of an invention covered by patent rights. By publication of this standard, no position is taken with respect to the validity of this claim or of any patent rights in connection therewith. One or more patent holders have, however, filed a statement regarding the terms on which such patent holder(s) may be willing to grant a license under these rights to individuals or entities desiring to obtain such a license. Details may be obtained from the ATSC Secretary and the patent holder.

---

Implementers with feedback, comments, or potential bug reports relating to this document may contact ATSC at <https://www.atsc.org/feedback/>.

### Revision History

Version	Date
A/327:2024-04 Amendment No. 2	24 February 2025

## **ATSC Standard: A/327:2024-04 Amendment #2, "TxID Code Assignments"**

### **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-076, "TxID Code Assignments."

The Amendment proposes to recommend an existing industry resource for assigning TxID codes to transmitters in the A/327 Recommended Practice: Guidelines for the Physical Layer Protocol.

This Amendment addresses specific TxID code assignments for licensed full- and low-power stations in the United States of America ("U.S."), within licensing coordination zones in Canada and Mexico, and in the Republic of Korea ("Korea"). Neither addresses TxID code assignments for stations in other Regions.

#### **1.3 Rationale for Changes**

While the use case for TxID codes is documented in Appendix N of A/322, no detailed method for assignment of TxID codes is documented in any ATSC technical document, and no specific recommendations are made for TxID code assignments for licensed stations. NAB PILOT developed a database of TxID code assignments for all licensed full- and low-power TV stations in the U.S. and stations within the licensing coordination zones in Canada and Mexico which is intended to satisfy the numbering and geographical constraints required for TxID to be effectively implemented in that region. The Electronics and Telecommunications Research Institute (ETRI) and the Korean Broadcasting Engineers & Technicians Association (KOBETA) of Korea similarly developed an assignment scheme for licensed stations in Korea. In the methodology employed for the U.S. and adjacent coordination zones, the RF channel and the TxID code assignments are paired to provide a number set that is unique within the covered geographic region. Launched initially in February 2022, the TxID database for much of North America is updated periodically by NAB PILOT, typically once or twice a year.

#### **1.4 Compatibility Considerations**

The changes described in this document are backward-compatible relative to the currently published version of the Recommended Practice to which this Amendment pertains and any previously approved Amendments for that Recommended Practice.

This project does not cause any impact by TxID on consumer receivers and is limited to assigning TxID code values for transmitters. No competing methodologies for assigning TxID codes for the covered regions have been proposed since the time of publishing the original ATSC A/322 Standard on Physical Layer Protocol, and there are no compatibility issues with industry practice.

## 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. Yellow highlighted references indicate the document editor should insert the appropriate internal document references.

### 2.1 Change Instructions

*Insert new References [17] and [18] in Section 2, “References”:*

[17] NAB PILOT: “Next Gen TV (ATSC 3.0) TxID,”  
<https://txid.nabpilot.org/>.

[18] KOBETA: “ATSC 3.0 TxID,”  
<http://www.kobeta.com/txid/>.

*Insert a new Section 5.6:*

### 5.6 TxID Code Assignments

The insertion point for the 13-bit TxID code for identification of individual transmitters is shown in Table N.2.1 in ATSC Standard A/322 [Ref.No.]. However, no code assignment methodology or actual values are assigned in the A/322 Standard.

*Insert new Section 5.6.1:*

#### 5.6.1 TxID Code Assignments for the United States of America.

Next Gen TV (ATSC 3.0) TxID [17] is an industry-developed and maintained TxID database for full and low power television stations in the U.S. and within the licensing coordination zones in Canada and Mexico It also includes the methodology used for determining TxID code assignments. [17] is recommended for use by such licensed stations in the designated regions for the purpose of assigning TxID code values to their transmitters.

*Insert new Section 5.6.2:*

#### 5.6.2 TxID Code Assignments for the Republic of Korea

ATSC 3.0 TxID [18] is an industry-developed and maintained TxID database for high and low power television stations in the Republic of Korea. It also includes the methodology used for determining TxID code assignments. [18] is recommended for use by such licensed stations in the Republic of Korea for the purpose of assigning TxID code values to their transmitters.

– End of Document –