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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**

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<td>Amendment approved</td>
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ATSC Standard:
A/331:2019 Amendment No. 6, Simulcast TSID

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 clarifies the semantics for setting SLT.Service.SimulcastTSID.

1.3 Rationale for Changes
A331:2019 has misleading and erroneous statements about what this is set to. There is no TSID field in MPEG-2 Transport and the intended field is not defined in either MPEG or A/53. The intended field is supposed to match the A/65 VCT channel_TSID. There is also duplicated and confusing text about the attributes.

1.4 Backwards compatibility
This recommendation is backwards compatible since it must be set correctly to be usable.

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.

3.3 Acronyms and Abbreviation

Add new acronyms as follows:

MPEG – Moving Picture Experts Group
TSID – Transport Stream Identifier
VCT – Virtual Channel Table

Modify 6.3.2 definition of as follows:

6.3.2 SLT Semantics

... SimulcastTSID – The content of this optional element is a 16-bit number that shall be when present, shall reference the TSID value of an ATSC 1.0 broadcast emission channel carrying the same programming content. on the virtual channel identified with SimulcastTSID@simulcastMajorChannelNo if present and Service@majorChannelNo if not present, and SimulcastTSID@simulcastMinorChannelNo if present and Service@minorChannelNo if not present, as is being broadcast in this ATSC 3.0 Service. The TSID value shall be set to the ATSC 1.0 VCT channel_TSID field as defined as specified in
ISO/IEC 13818-1 (MPEG-2 Systems) [33] and as used in ATSC A/65 [1] Section 6.3. When not present, the programming content on this Service is not associated with any ATSC 1.0 virtual channel in the local broadcast area.

@simulcastMajorChannelNo – An integer number in the range 1 to 999 that shall represent the “major” channel number of an ATSC 1.0 broadcast service carrying the same programming content, if present. If not present, Service@majorChannelNo shall represent the “major” channel number of an ATSC 1.0 broadcast service carrying the same programming content.

@simulcastMinorChannelNo – An integer number in the range 1 to 999 that shall represent the “minor” channel number of an ATSC 1.0 broadcast service carrying the same programming content, if present. If not present, Service@minorChannelNo shall represent the “minor” channel number of an ATSC 1.0 broadcast service carrying the same programming content.

…

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