

Proposed Corrigendum No. 1 to A/78, “Transport Stream Verification”

1. RATIONALE FOR CHANGE

ATSC Recommended Practice A/78, “Transport Stream Verification,” was published on 20 September 2006. It recently came to the attention of ATSC staff that there is an error in Table 6.5. An incorrect value was shown for the ETT table_id in the penultimate line of the table. Although this is a substantive change, the error was a simple typo. The replacement table contained in this document corrects the error (the changed value is shown in bold type). Another typographical error in Section 8 is also corrected.

2. CHANGE INSTRUCTIONS

1) Replace Table 6.5 of A/78 with the following Table.

Table 6.5 EIT and ETT Error Conditions

Error Condition	Error Qualifier	TOA	POA	CM	QOS	TNC
EIT-0 repetition error	EIT-0 repetition interval error (found between the last 501 and 1000 ms)					X ³
EIT-0 repetition error	EIT-0 repetition interval error (found between the last 1001 to 2500 ms)				X ⁴	X ³
EIT-0 absence error	EIT-0 not found for 2501 ms (or longer)		X ⁴	X ⁴	X ⁴	X ³
EIT syntax error	CRC is incorrect for table_id 0xCB ¹					X
EIT syntax error	scrambling_control_field is not '00' for packets containing EIT ²			X ⁵	X	X
EIT-1 repetition error	EIT-1 repetition interval error (found between the last 3.01 to 6 seconds)					X ⁶
EIT-1 repetition error	EIT-1 repetition interval error (found between the last 6.01 to 15 seconds)				X ⁶	X ⁶
EIT-1 absence error	EIT-1 not found for 15.01 seconds (or longer)			X ⁶	X ⁶	X ⁶
EIT-2, EIT-3 repetition error	EIT-2, EIT-3 repetition interval error (found between the last 1.01 and 2 minutes)					X ⁶
EIT-2, EIT-3 repetition error	EIT-2, EIT-3 repetition interval error found between the last 2.01 to 5 minutes)				X ⁶	X ⁶
EIT-2, EIT-3 absence error	EIT-2, EIT-3 not found for 5.01 minutes (or longer)			X ⁶	X ⁶	X ⁶
ETT syntax error	CRC is incorrect for table_id 0xCC ¹					X
ETT syntax error	scrambling_control_field is not '00' for packets containing ETT ²			X ⁵	X	X

Legend:

TOA: TS Off Air, POA: Program Off Air, CM: Component Missing, QOS: Quality of Service, TNC: Technically Non-Conformant

Notes:

1) Repeated instances of an incorrect CRC will be interpreted as the table not being present. This case is equivalent to a repetition or absence error.

2) An error in the setting of the scrambling control field is most likely an indicator of a hard failure or incorrect setting and will persist until corrected.

3) This condition is technically compliant, but violates the A/65 recommended interval (in the U.S., the FCC recommended interval).

4) EIT-0 is required. Certain receivers may have difficulty tuning and EPG display may be affected.

5) PSIP component missing – may or may not affect behavior of receiver.

6) EIT1–3 are required. EPG display may be affected if missing. Recommended timings for EIT1–3 are given in A/69 (PSIP Recommended Practice).

2) *Correct a spelling error in Section 8, page 19: “TCVT” should be “TVCT”.*