



ADDENDUM: TRANSCODER SDK CERTIFICATION PROCESS - VENDORS

Instructions for Separate Processing of Stereo and 5.1 Inputs

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Revision History

Revision	Date	Description
A1	2016-05-03	Initial version

Overview

Some vendors are unable to process the standard test files for the Nielsen Transcoder Certification Process because each stream includes at least one audio transition from stereo to 5.1-channel or from 5.1-channel to stereo. For vendors whose software does not handle such transitions, Nielsen provides an alternative set of files for the NORMAL, BOUNDARY, and STRESS tests. Although the test files are different, the vendor-certification instructions remain the same.

This addendum provides the details for these alternative recommended test files.

Related Document

Transcoder SDK Certification Process – Vendors

NORMAL Stereo

The NORMAL STEREO stream allows us to test channel selection, decoder fidelity with stereo input, ID3 Tag cadence, ID3 Tag consistency, response to audio content that is not watermarked, response to watermarked content, INFO-tag content, and breakout code, if configured correctly during the test.

This test file includes two audio streams. The secondary audio only has SID 9120. The structure of the primary audio appears in Table 1.

Table 1

Segment Number	PC SID (Primary Audio)	FD SID (Primary Audio)
1	9020	9120
2	0	9220
3	9020	0
4	9020	9120
5	0	9120
6	9320	0
7	None	None

BOUNDARY 5.1

The BOUNDARY 5.1 stream allows us to test channel selection, decoder fidelity with 5.1-channel input, ID3 tag cadence, ID3 Tag consistency, ID3 tag overwrite, response to audio content that is not watermarked, response to watermarked content, INFO-tag content, breakout code, if configured correctly during the test.

This test file includes two audio streams. The secondary audio only has SID 9120. The structure of the primary audio appears in Table 2.

Table 2

Segment Number	PC SID	FD SID
1	9051	9151
2	0	9251
3	9051	0
4	9051	9151
5	0	9151
6	9351	0
7	None	None

STRESS 5.1

The STRESS 5.1 stream allows us to test channel selection, decoder fidelity with 5.1-channel input, ID3 tag cadence, ID3 Tag consistency, stuck-CID fix, response to audio content that is not watermarked, response to watermarked content, INFO-tag content, breakout code (if configured correctly during the test). The stream also permits us to test the recovery of ID3 tags from watermarks whose timestamps jump far into the future, then return to normal.

This test file includes two audio streams. The secondary audio has only SIDs 9020 and 9120. The structure of the primary audio appears in Table 3.

Table 3

Segment Number	PC SID	FD SID
1	9051	9151
2	9020	9120
3	9051	9151
4	9051	9151

Segment Number	PC SID	FD SID
5	9051	*9151 (jumps ahead by 1 year)
6	9051	*9151 (jumps ahead by 1 year)
7	None	None
1	9051	9151