

# INTERNATIONAL STANDARD

## AMENDMENT 1

**Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 –  
Part 3: Non-linear PCM bitstreams according to the AC-3 and enhanced AC-3 formats**

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## FOREWORD

This amendment has been prepared by technical area 20: Analogue and digital audio, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

The text of this amendment is based on the following documents:

CDV	Report on voting
100/3392/CDV	100/3456/RVC

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

## INTRODUCTION (to Amendment 1)

This amendment to 61937-3:2017 is necessary to remove the last paragraph from the Enhanced AC-3 provisions that does not apply to Enhanced AC-3. It only applies to AC-3 and was inadvertently copied when Enhanced AC-3 was authored.

### 5.3.4 Latency of the enhanced AC-3 decoder

*Delete the last paragraph (copied below for convenience)*

~~It is possible that an audio gap in an enhanced AC-3 stream is carried over this interface without there also being a stream gap. This can happen when the audio gap length is small, there is a bit rate change in the interrupted enhanced AC-3 bit stream, and the bit rate following the gap is larger than the bit rate prior to the gap. Because of the definition of the reference point of the enhanced AC-3 data burst, it is possible for the Pa of the first data burst following a bitstream interruption to be less than one data burst repetition period following the Pa of the data burst preceding the gap, while the reference point of the first data burst following the bitstream interruption is more than one data burst repetition period after the reference point of the data burst preceding the gap. When this case occurs, since there is no stream gap to fill with pause bursts, there is no need to send any pause bursts. The audio decoder will never be starved for data and can calculate the length of the audio gap based on the reference points of the received enhanced AC-3 data bursts.~~