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**Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 –
Part 5: Non-linear PCM bitstreams according to the DTS (Digital Theater Systems) format(s)**

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REDLINE VERSION



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CONTENTS

1	Scope.....	5
2	Normative references	5
3	Terms, definitions, abbreviations and presentation convention	5
3.1	Definitions	5
3.2	Abbreviations	5
3.3	Presentation convention	6
4	Mapping of the audio bitstream on to IEC 61937-1	6
4.1	DTS burst-info	6
5	Format of DTS data-bursts	6
5.1	General.....	6
5.2	Pause data-burst.....	6
5.3	Audio data-bursts	7
5.3.1	DTS type I	7
5.3.2	DTS type II	8
5.3.3	DTS type III	9
5.3.4	DTS type IV.....	11
5.3.5	DTS type IV profile definitions	13
Annex A (informative) Effect of repetition period of data burst and Fs on frame period and maximum data rate in DTS type IV		17
Figure 1 – DTS type I data-burst.....		7
Figure 2 – Latency of DTS type II decoding		8
Figure 3 – DTS type II data-burst.....		8
Figure 4 – Latency of DTS type II decoding		9
Figure 5 – DTS type III data-burst.....		10
Figure 6 – Latency of DTS type III decoding		11
Figure 7 – DTS type IV single data- burst mode		13
Figure 8 – Decoder latency of DTS type IV -decoding single burst mode.....		14
Figure 9 – DTS type IV multi-burst mode		15
Figure 10 – Decoder latency for DTS type IV multi-burst mode		16
Table 1 – Fields of burst-info		6
Table 2 – Repetition period of the pause data-bursts		7
Table 3 – Data-type-dependent when DTS type I		7
Table 4 – Data-type-dependent when DTS type II		9
Table 5 – Data-type-dependent when DTS type III		10
Table 6 – Data-type-dependent -when information for DTS type IV		12
Table 7 – Bits of multi-burst control byte		15
Table A.1 – DTS type IV payload and frame repetition: some examples.....		17

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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FOREWORD

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This consolidated version of the official IEC Standard and its amendment has been prepared for user convenience.

IEC 61937-5 edition 2.1 contains the second edition (2006-01) [documents 100/974/CDV and 100/1055/RVC] and its amendment 1 (2019-01) [documents 100/3101/CDV and 100/3163/RVC].

In this Redline version, a vertical line in the margin shows where the technical content is modified by amendment 1. Additions are in green text, deletions are in strikethrough red text. A separate Final version with all changes accepted is available in this publication.

International Standard IEC 61937-5 has been prepared by Technical Area 4: Digital system interfaces and protocols, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

This second edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition.

- a) References to the company name Digital Theater Systems have been changed to DTS which is consistent with the official change of the company name.
- b) DTS type IV has been added to Table 1 and 5.3.4 describing type IV has been added.
- c) Annex A, which provides examples of the use of the repetition period parameter introduced in subclause 5.3.4, has been added.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

IEC 61937 consists of the following parts, under the general title *Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958*:

Part 1: General

Part 2: Burst-info

Part 3: Non-linear PCM bitstreams according to the AC-3 format

Part 4: Non-linear PCM bitstreams according to the MPEG audio formats

Part 5: Non-linear PCM bitstreams according to the DTS (Digital Theater Systems) format(s)

Part 6: Non-linear PCM bitstreams according to the ATRAC, ATRAC2/3 and ATRAC-X formats

Part 8: Non-linear PCM bitstreams according to the Windows Media Audio Professional¹

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A bilingual version may be issued at a later date.

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¹ To be published.

**DIGITAL AUDIO –
INTERFACE FOR NON-LINEAR PCM ENCODED
AUDIO BITSTREAMS APPLYING IEC 60958 –**

**Part 5: Non-linear PCM bitstreams according to
the (Digital Theater Systems) DTS format(s)**

1 Scope

This part of IEC 61937 describes audio bitstreams encoded according to the Digital Theater Systems (DTS) format data-types I, II, III, and IV.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60958-1, *Digital audio interface – Part 1: General*

IEC 60958-3, *Digital audio interface – Part 3: Consumer applications*

IEC 60958-4, *Digital audio interface – Part 4: Professional applications*

IEC 61937-1, *Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 1: General*

IEC 61937-2, *Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 2: Burst Information*

FINAL VERSION



**Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 –
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CONTENTS

1	Scope.....	5
2	Normative references	5
3	Terms, definitions, abbreviations and presentation convention	5
3.1	Definitions	5
3.2	Abbreviations	5
3.3	Presentation convention	6
4	Mapping of the audio bitstream on to IEC 61937-1	6
4.1	DTS burst-info	6
5	Format of DTS data-bursts	6
5.1	General.....	6
5.2	Pause data-burst.....	6
5.3	Audio data-bursts	7
5.3.1	DTS type I	7
5.3.2	DTS type II	8
5.3.3	DTS type III	9
5.3.4	DTS type IV.....	11
5.3.5	DTS type IV profile definitions	13
	Annex A (informative) Effect of repetition period of data burst and Fs on frame period and maximum data rate in DTS type IV	16
	Figure 1 – DTS type I data-burst.....	7
	Figure 2 – Latency of DTS type II decoding	8
	Figure 3 – DTS type II data-burst.....	8
	Figure 4 – Latency of DTS type II decoding	9
	Figure 5 – DTS type III data-burst.....	10
	Figure 6 – Latency of DTS type III decoding	11
	Figure 7 – DTS type IV single burst mode.....	13
	Figure 8 – Decoder latency of DTS type IV single burst mode.....	13
	Figure 9 – DTS type IV multi-burst mode	14
	Figure 10 – Decoder latency for DTS type IV multi-burst mode	15
	Table 1 – Fields of burst-info	6
	Table 2 – Repetition period of the pause data-bursts	7
	Table 3 – Data-type-dependent when DTS type I	7
	Table 4 – Data-type-dependent when DTS type II	9
	Table 5 – Data-type-dependent when DTS type III	10
	Table 6 – Data-type-dependent information for DTS type IV.....	12
	Table 7 – Bits of multi-burst control byte	14
	Table A.1 – DTS type IV payload and frame repetition: some examples.....	16

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