

This document is a preview generated by EVS

## EESTI STANDARDI EESSÖNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 61883-6:2014 sisaldab Euroopa standardi EN 61883-6:2014 inglisekeelset teksti.	This Estonian standard EVS-EN 61883-6:2014 consists of the English text of the European standard EN 61883-6:2014.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 24.10.2014.	Date of Availability of the European standard is 24.10.2014.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile [standardiosakond@evs.ee](mailto:standardiosakond@evs.ee).

ICS 33.160.01, 35.200

### **Standardite reproduutseerimise ja levitamise õigus kuulub Eesti Standardikeskusele**

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonsesse süsteemi või edastamine ükskõik millises vormis või millisel teel ilma Eesti Standardikeskuse kirjaliku loata on keelatud.

Kui Teil on küsimusi standardite autorikaitse kohta, võtke palun ühendust Eesti Standardikeskusega:  
Aru 10, 10317 Tallinn, Eesti; [www.evs.ee](http://www.evs.ee); telefon 605 5050; e-post [info@evs.ee](mailto:info@evs.ee)

### **The right to reproduce and distribute standards belongs to the Estonian Centre for Standardisation**

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, without a written permission from the Estonian Centre for Standardisation.

If you have any questions about copyright, please contact Estonian Centre for Standardisation:  
Aru 10, 10317 Tallinn, Estonia; [www.evs.ee](http://www.evs.ee); phone 605 5050; e-mail [info@evs.ee](mailto:info@evs.ee)

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN 61883-6

October 2014

ICS 33.160.01; 35.200

Supersedes EN 61883-6:2005

English Version

Consumer audio/video equipment - Digital interface -  
Part 6: Audio and music data transmission protocol  
(IEC 61883-6:2014)

Matériel audio/vidéo grand public - Interface numérique -  
Partie 6: Protocole de transmission de données audio et  
musicales  
(CEI 61883-6:2014)

Audio-Video-Geräte der Unterhaltungselektronik - Digitale  
Schnittstelle - Teil 6: Übertragungsprotokoll für Ton- und  
Musikdaten  
(IEC 61883-6:2014)

This European Standard was approved by CENELEC on 2014-10-08. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

## Foreword

The text of document 100/2341/FDIS, future edition 3 of IEC 61883-6, prepared by Technical Area 4 "Digital system interfaces and protocols" of IEC/TC 100 "Audio, video and multimedia systems and equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61883-6:2014.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2015-07-08
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-10-08

This document supersedes EN 61883-6:2005.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

## Endorsement notice

The text of the International Standard IEC 61883-6:2014 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

- |                  |      |   |
|------------------|------|---|
| IEC 60958-4      | NOTE | Harmonized as EN 60958-4.                     |
| IEC 61883-6:2002 | NOTE | Harmonized as EN 61883-6:2002 (not modified). |

## Annex ZA (normative)

### **Normative references to international publications with their corresponding European publications**

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

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here:  
[www.cenelec.eu](http://www.cenelec.eu)

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60958	Series	Digital audio interface	EN 60958	Series
IEC 60958-3	-	Digital audio interface - Part 3: Consumer applications	EN 60958-3	-
IEC 61883-1	-	Consumer audio/video equipment - Digital interface - Part 1: General	EN 61883-1	-
IEEE 754	1985 <sup>1)</sup>	IEEE Standard for Binary Floating-Point Arithmetic	-	-
IEEE 1394	-	IEEE Standard for a High-Performance Serial Bus	-	-
IEEE 1394a	-	Standard for a High Performance Serial Bus - Amendment 1	-	-

---

<sup>1)</sup> Superseded by IEEE 754:2008.

## CONTENTS

FOREWORD .....	11
1 Scope .....	13
2 Normative references .....	13
3 Terms, definitions and abbreviations .....	13
3.1 Terms and definitions .....	13
3.2 Abbreviations .....	15
4 Reference model for data transmission .....	16
4.1 General .....	16
4.2 Application layer .....	17
4.3 Adaptation layer .....	17
4.4 Packetization layer .....	18
5 Transport requirements .....	19
5.1 Arbitrated short bus reset .....	19
5.2 Bit, byte, and quadlet ordering .....	19
6 Packet header for audio and music data .....	19
6.1 General .....	19
6.2 Isochronous packet header format .....	19
6.3 CIP header format .....	19
7 Packetization .....	20
7.1 Packet transmission method .....	20
7.2 Transmission of timing information .....	20
7.3 Time stamp processing .....	21
7.4 Transmission control .....	21
7.4.1 Non-blocking transmission method .....	21
7.4.2 Blocking transmission method .....	23
8 Event types .....	24
8.1 General .....	24
8.2 AM824 data .....	27
8.2.1 Generic format .....	27
8.2.2 IEC 60958 conformant data .....	29
8.2.3 Multi-bit linear audio (MBLA) .....	29
8.2.4 One-bit audio .....	30
8.2.5 MIDI conformant data .....	31
8.2.6 SMPTE time code data .....	32
8.2.7 Sample count data .....	32
8.2.8 High-precision multi-bit linear audio .....	32
8.2.9 Ancillary data .....	33
8.2.10 Application specific ancillary data .....	35
8.3 32-bit floating-point data .....	35
8.4 24-bit × 4 audio pack .....	36
8.5 32-bit generic data .....	36
9 FDF definition .....	36
9.1 Overview .....	36
9.2 Basic format .....	37
9.3 Special format .....	39

10 FDF definition for AM824 data .....	39
10.1 Definition of N-flag .....	39
10.2 Supplementary SFC definition .....	39
10.3 Clock-based rate control mode (FDF = 0000 0xxx <sub>2</sub> ).....	40
10.3.1 Introductory remark .....	40
10.3.2 Default SFC table for (FDF = 0000 0xxx <sub>2</sub> ) .....	40
10.4 Command-based rate control mode (FDF = 00001xxx <sub>2</sub> ).....	41
10.4.1 Introductory remark .....	41
10.4.2 Default SFC table for (FDF = 0000 1xxx <sub>2</sub> ) .....	42
11 AM824 adaptation process .....	42
11.1 Introductory remark.....	42
11.2 Basic sequence conversion.....	42
11.3 Sequence multiplexing .....	43
11.4 Compound data block structure.....	43
11.4.1 General .....	43
11.4.2 Compound data structure rule.....	44
12 AM824 sequence adaptation layers .....	47
12.1 Overview .....	47
12.1.1 General .....	47
12.1.2 IEC 60958 bitstream .....	47
12.1.3 One-bit audio.....	53
12.1.4 Non-linear audio data stream.....	56
12.1.5 MIDI data stream .....	56
12.1.6 SMPTE time code and sample count .....	57
12.1.7 High-precision and double-precision multi-bit linear audio .....	57
12.2 DVD-audio .....	62
12.2.1 General .....	62
12.2.2 DVD-Audio specific ancillary data .....	62
12.2.3 Data for CCI .....	64
12.2.4 Data for ISRC .....	64
12.2.5 Example of DVD-Audio stream .....	64
12.3 SACD definition .....	66
12.3.1 General .....	66
12.3.2 SACD ancillary data .....	66
12.3.3 SACD supplementary data.....	67
12.3.4 Multi-bit linear audio data .....	68
12.3.5 SACD Track_Mode&Flags data.....	68
12.3.6 SACD Track_Copy_Management data .....	68
12.3.7 Example of SACD streams.....	68
12.4 Blu-ray Disc .....	70
12.4.1 General .....	70
12.4.2 Structure of sample word for audio transmission.....	70
12.4.3 Multi-bit linear audio data .....	71
12.4.4 Blu-ray Disc specific ancillary data .....	71
12.4.5 Data transmitted at every data block.....	71
12.4.6 Data for CCI .....	74
12.4.7 Example of Blu-ray Disc stream .....	75
12.5 Multi-bit linear audio (MBLA).....	79
12.5.1 General .....	79

12.5.2	Structure of sample word for audio transmission .....	79
12.5.3	Fixed channels' structure of sample word for audio transmission .....	79
12.5.4	Variable channels' structure of sample word for audio transmission .....	81
12.5.5	MBLA data.....	83
12.5.6	MBLA specific ancillary data .....	83
12.5.7	Data transmitted at every data block of Group 1 for the fixed channels' structure .....	83
12.5.8	Data transmitted at every data block of Group 2 for the fixed channels' structure .....	86
12.5.9	Data transmitted at every data block of Group 3 for the fixed channels' structure .....	88
12.5.10	Data transmitted at every data block of Group 4 for the fixed channels' structure .....	91
12.5.11	Data transmitted at every data block for the variable channels' structure .....	93
12.5.12	Data transmitted at extension channel bit order 1 for the variable channels' structure .....	96
12.5.13	Data transmitted at extension channel bit order 2 for the variable channels' structure .....	100
12.5.14	Data for CCI .....	102
12.5.15	Example of MBLA stream for the fixed channels' structure .....	103
12.5.16	Example of MBLA stream for the variable channels' structure .....	105
Annex A (informative)	Synchronization issues.....	108
A.1	General.....	108
A.2	Delivery of sampling clock of arbitrary frequency .....	108
Annex B (informative)	Catching up in non-blocking transmission method .....	110
Annex C (informative)	Transport characteristics .....	111
C.1	Sampling-clock jitter characteristics .....	111
C.2	Sample clock transfer jitter mechanisms using A/M protocol .....	111
C.2.1	General .....	111
C.2.2	CYCLE_TIME register jitter.....	111
C.2.3	Time-stamp quantization jitter.....	112
C.3	Embedded sample-clock jitter .....	113
C.3.1	Embedded sample-clock jitter spectrum .....	113
C.3.2	Embedded sample-clock jitter amplitude .....	113
C.4	Jitter attenuation .....	116
C.5	Jitter measurement .....	116
Bibliography.....	118	
Figure 1 – Reference model for audio and music data transmission .....	16	
Figure 2 – Reference model for AM824 data transmission .....	17	
Figure 3 – Implementation example of receiver .....	18	
Figure 4 – Isochronous packet header .....	19	
Figure 5 – Common isochronous packet (CIP) format .....	20	
Figure 6 – Non-blocking transmission method .....	22	
Figure 7 – Transmission parameters .....	23	
Figure 8 – Blocking transmission method .....	23	
Figure 9 – Cluster events .....	25	
Figure 10 – Pack and cluster events .....	26	

Figure 11 – Pack event with 24-bit event sequence.....	26
Figure 12 – Generic AM824 format .....	27
Figure 13 – AM824 data with SUB LABEL.....	28
Figure 14 – AM824 LABEL allocation map .....	28
Figure 15 – IEC 60958 conformant data format.....	29
Figure 16 – MBLA data .....	29
Figure 17 – Raw audio data .....	30
Figure 18 – Alignment of 20-bit data in 24-bit field .....	30
Figure 19 – MIDI conformant data format.....	31
Figure 20 – No-data format .....	31
Figure 21 – High-precision multi-bit linear audio data.....	32
Figure 22 – Generic high-precision quadlet sequence .....	33
Figure 23 – Generic ancillary data .....	33
Figure 24 – Ancillary no data .....	34
Figure 25 – General format for ASID .....	35
Figure 26 – General format for application-specific ancillary data .....	35
Figure 27 – 32-bit floating-point data format.....	36
Figure 28 – 24-bit × 4 audio pack format .....	36
Figure 29 – 32-bit generic data format .....	36
Figure 30 – Generic FDF definition .....	37
Figure 31 – FDF code for NO-DATA packet .....	39
Figure 32 – Structure of FDF for AM824 data type .....	39
Figure 33 – SFC interpretation .....	40
Figure 34 – FDF for AM824 and AM824 LABEL space .....	40
Figure 35 – Adaptation to AM824 sequence .....	42
Figure 36 – Asynchronous sequence multiplexing .....	43
Figure 37 – Example of compound data block .....	44
Figure 38 – Condition of AM824 rule .....	44
Figure 39 – Generic compound data block structure .....	45
Figure 40 – Example of unspecified region structure .....	46
Figure 41 – Generic one-bit audio quadlet .....	54
Figure 42 – Generic one-bit audio quadlet sequence .....	55
Figure 43 – One-bit audio DST encoded quadlet.....	55
Figure 44 – Multiplexing of MIDI data streams .....	56
Figure 45 – High-precision first ancillary data .....	57
Figure 46 – IEC 60958 conformant data with high-precision data .....	58
Figure 47 – Common and application-specific ancillary data with high-precision data.....	59
Figure 48 – High-precision channel assignment ancillary data .....	59
Figure 49 – Example of high-precision data .....	60
Figure 50 – Example of double-precision data .....	61
Figure 51 – Example of double-precision compound data .....	62
Figure 52 – Data transmitted at data starting-point.....	63
Figure 53 – Data transmitted at every data block .....	63

Figure 54 – Ancillary data for CCI .....	64
Figure 55 – Ancillary data for ISRC .....	64
Figure 56 – Basic data block of DVD-Audio stream .....	65
Figure 57 – Example of DVD-Audio data .....	66
Figure 58 – SACD ancillary data .....	67
Figure 59 – SACD supplementary data .....	68
Figure 60 – SACD Track_Mode&Flags data .....	68
Figure 61 – SACD Track_Copy_Management data .....	68
Figure 62 – Example of SACD stream in the case of six channels.....	69
Figure 63 – Example of SACD stream in the case of five channels.....	70
Figure 64 – Basic data blocks of Blu-ray Disc .....	71
Figure 65 – Data transmitted at every data block .....	72
Figure 66 – Ancillary data for CCI .....	75
Figure 67 – Basic data block of Blu-ray Disc .....	75
Figure 68 – Examples of Blu-ray Disc stream of one channel .....	76
Figure 69 – Example of Blu-ray Disc stream of two channels .....	77
Figure 70 – Example of Blu-ray Disc stream of three channels (3/0) .....	78
Figure 71 – Example of Blu-ray Disc stream three channels (2/1) .....	78
Figure 72 – Example of Blu-ray Disc stream of four channels (2/2) .....	79
Figure 73 – Basic data block of the fixed channels' structure .....	81
Figure 74 – Basic data block of the variable channels' structure .....	83
Figure 75 – Data transmitted at every data block of Group 1 for the fixed channels' structure .....	84
Figure 76 – Data transmitted at every data of Group 2 for the fixed channels' structure .....	86
Figure 77 – Data transmitted at every data block of Group 3 for the fixed channels' structure .....	89
Figure 78 – Data transmitted at every data block of Group 4 for the fixed channels' structure .....	91
Figure 79 – Data transmitted at every data block for the variable channel's structure .....	93
Figure 80 – Data transmitted at extension channel bit order 1 for the variable channels' structure .....	96
Figure 81 – Data transmitted at extension channel bit order 2 for the variable channels' structure .....	100
Figure 82 – Ancillary data for CCI .....	102
Figure 83 – Examples of MBLA stream for the fixed channels' structure of one channel.....	104
Figure 84 – Examples of MBLA stream for the fixed channels' structure of two channels ....	104
Figure 85 – Example of MBLA stream for the fixed channels' structure of three channels (3/0).....	105
Figure 86 – Example of MBLA stream for the fixed channels' structure of four channels (2/2).....	105
Figure 87 – Examples of MBLA stream for the variable channels' structure of one channel.....	106
Figure 88 – Example of MBLA stream for the variable channels' structure two channels .....	106
Figure 89 – Example of MBLA stream for the variable channels' structure of three channels (3/0).....	106

Figure 90 – Example of MBLA stream for the variable channels' structure of four channels (2/2).....	107
Figure 91 – Example of MBLA stream for the fixed channels' structure of seven channels .....	107
Figure C.1 – Two-node bus .....	113
Figure C.2 – Three-node bus .....	114
Figure C.3 – Thirty-five-node bus .....	115
Figure C.4 – Sample-clock recovery jitter attenuation template .....	116
Figure C.5 – Sample clock jitter measurement filter characteristic.....	117
 Table 1 – Isochronous packet header fields .....	19
Table 2 – CIP fields .....	20
Table 3 – LABEL definition .....	28
Table 4 – SB and SF definitions .....	29
Table 5 – ASI1 definition.....	30
Table 6 – VBL (valid bit length code) definition .....	30
Table 7 – LABEL definition for one-bit audio (plain) .....	31
Table 8 – LABEL definition for one-bit audio (encoded).....	31
Table 9 – C (counter) definition.....	31
Table 10 – Num. (slot number) definition .....	32
Table 11 – LABEL definition for ancillary data type .....	33
Table 12 – LABEL definition for common ancillary data.....	34
Table 13 – CONTEXT definition .....	34
Table 14 – SUB LABEL definition for ASID .....	35
Table 15 – LABEL definition for application specific ancillary data .....	35
Table 16 – Subformat and FDF allocations .....	37
Table 17 – DBS for AM824 and 32-bit floating-point data .....	37
Table 18 – DBS for 24-bit × 4 audio pack .....	37
Table 19 – Event type (EVT) code definition .....	37
Table 20 – Default SFC table .....	38
Table 21 – TRANSFER_DELAY for blocking transmission .....	38
Table 22 – Default SFC table for FDF = 0000 0xxx <sub>2</sub> .....	41
Table 23 – TRANSFER_DELAY for blocking transmission .....	41
Table 24 – Default SFC table for FDF = 0000 1xxx <sub>2</sub> .....	42
Table 25 – Sampling frequency in IEC 60958-3.....	48
Table 26 – Original sampling frequency .....	48
Table 27 – Up or down sampling ratio of 32 kHz line.....	49
Table 28 – Up or down sampling ratio of 44,1 kHz line.....	49
Table 29 – Up or down sampling ratio of 48 kHz line.....	49
Table 30 – Clock accuracy in IEC 60958-3.....	50
Table 31 – Cases .....	50
Table 32 – Examples .....	51
Table 33 – Relation of values in IEC 60958-3 and A/M protocol .....	53
Table 34 – Sampling frequency definition of one-bit audio .....	54

Table 35 – TRANSFER_DELAY for blocking transmission in the case of the one-bit audio .....	54
Table 36 – SFC definition of one-bit audio for high-speed AM824 data transfer .....	56
Table 37 – Channel definition .....	57
Table 38 – Accuracy definition .....	57
Table 39 – Recommended rules.....	58
Table 40 – Channel assignment definition.....	59
Table 41 – DVD-Audio specific ancillary data.....	63
Table 42 – Data transmitted at starting-point .....	63
Table 43 – Data transmitted at every data block .....	64
Table 44 – Data information.....	67
Table 45 – Validity flag definition .....	67
Table 46 – ASI2 definition for DVD-Audio .....	68
Table 47 – ASI1 definition for Blu-ray Disc.....	71
Table 48 – ASI2 definition for Blu-ray Disc.....	71
Table 49 – Blu-ray Disc specific ancillary data .....	71
Table 50 – Data transmitted at every data block .....	72
Table 51 – L channel definition .....	72
Table 52 – R channel definition.....	72
Table 53 – Ife channel definition .....	73
Table 54 – C channel definition.....	73
Table 55 – LS channel definition .....	73
Table 56 – RS channel definition .....	73
Table 57 – RIs channel definition .....	73
Table 58 – Rrs channel definition.....	73
Table 59 – L/R ch identifier definition .....	74
Table 60 – C ch identifier definition.....	74
Table 61 – LS/RS ch identifier definition .....	74
Table 62 – Data transmitted at every data block .....	75
Table 63 – MBLA specific ancillary data.....	83
Table 64 – Data transmitted at every data block of Group 1 for the fixed channels' structure .....	84
Table 65 – Emphasis flag definition .....	84
Table 66 – FL channel definition .....	84
Table 67 – FR channel definition.....	85
Table 68 – LFE1 channel definition .....	85
Table 69 – FC channel definition.....	85
Table 70 – LS channel definition .....	85
Table 71 – RS channel definition .....	85
Table 72 – BL channel definition .....	85
Table 73 – BR channel definition .....	86
Table 74 – FL/FR ch identifier definition.....	86
Table 75 – FC ch identifier definition.....	86
Table 76 – Data transmitted at every data of Group 2 for the fixed channels' structure .....	87

Table 77 – Emphasis flag definition .....	87
Table 78 – FLc channel definition .....	87
Table 79 – FRc channel definition.....	87
Table 80 – LFE2 channel definition .....	87
Table 81 – BC channel definition .....	88
Table 82 – SiL channel definition.....	88
Table 83 – SiR channel definition.....	88
Table 84 – TpFL channel definition .....	88
Table 85 – TpFR channel definition.....	88
Table 86 – Data transmitted at every data block of Group 3 for the fixed channels' structure .....	89
Table 87 – Emphasis flag definition .....	89
Table 88 – FLw channel definition.....	89
Table 89 – FRw channel definition .....	89
Table 90 – TpFC channel definition.....	90
Table 91 – TpC channel definition.....	90
Table 92 – TpBL channel definition .....	90
Table 93 – TpBR channel definition .....	90
Table 94 – TpSiL channel definition .....	90
Table 95 – TpSiR channel definition.....	91
Table 96 – Data transmitted at every data block of Group 4 for the fixed channels' structure .....	91
Table 97 – Emphasis flag definition .....	91
Table 98 – TpBC channel definition .....	92
Table 99 – BtFC channel definition .....	92
Table 100 – BtFL channel definition .....	92
Table 101 – BtFR channel definition .....	92
Table 102 – LSd channel definition .....	92
Table 103 – RSd channel definition.....	92
Table 104 – TpLS channel definition .....	93
Table 105 – TpRS channel definition .....	93
Table 106 – Data transmitted at every data block for the variable channels' structure .....	93
Table 107 – Emphasis flag definition.....	94
Table 108 – FL channel definition .....	94
Table 109 – FR channel definition.....	94
Table 110 – LFE1 channel definition .....	94
Table 111 – FC channel definition .....	94
Table 112 – LS channel definition.....	95
Table 113 – RS channel definition .....	95
Table 114 – BL channel definition.....	95
Table 115 – BR channel definition .....	95
Table 116 – FL/FR ch identifier definition.....	95
Table 117 – FC ch identifier definition.....	96
Table 118 – Extension ch flag 1 definition .....	96

Table 119 – Extension ch flag 2 definition .....	96
Table 120 – Data transmitted at extension channel bit order 1 for the variable channels' structure.....	97
Table 121 – FLc channel definition .....	97
Table 122 – FRc channel definition .....	97
Table 123 – LFE2 channel definition .....	97
Table 124 – BC channel definition .....	98
Table 125 – SiL channel definition .....	98
Table 126 – SiR channel definition.....	98
Table 127 – TpFL channel definition .....	98
Table 128 – TpFR channel definition.....	98
Table 129 – FLw channel definition.....	99
Table 130 – FRw channel definition .....	99
Table 131 – TpFC channel definition.....	99
Table 132 – TpC channel definition.....	99
Table 133 – TpBL channel definition .....	99
Table 134 – TpBR channel definition .....	99
Table 135 – TpSiL channel definition .....	100
Table 136 – TpSiR channel definition .....	100
Table 137 – Data transmitted at extension channel bit order 2 for the variable channels' structure.....	100
Table 138 – TpBC channel definition .....	101
Table 139 – BtFC channel definition .....	101
Table 140 – BtFL channel definition .....	101
Table 141 – BtFR channel definition.....	101
Table 142 – LSd channel definition .....	101
Table 143 – RSd channel definition.....	102
Table 144 – TpLS channel definition .....	102
Table 145 – TpRS channel definition .....	102
Table 146 – Data transmitted at every data block .....	102