



# SLOVENSKI STANDARD SIST EN 62106:2010

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Specification of the radio data system (RDS) for VHF/FM sound broadcasting in the frequency range from 87,5 to 108,0 MHz (IEC 62106:2009)

Spezifikacija des Radio-Daten-Systems (RDS) für den VHF/FM Tonrundfunk im Frequenzbereich 87,5 MHz bis 108,0 MHz (IEC 62106:2009)

Spécification du système de radiodiffusion de données (RDS) pour la radio à modulation de fréquence dans la bande 87,5 MHz à 108,0 MHz (CEI 62106:2009)

Ta slovenski standard je istoveten z: EN 62106:2009

**ICS:**

33.170	Televizijska in radijska difuzija	Television and radio broadcasting
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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 62106**

December 2009

ICS 33.060.20; 33.170; 35.240.99

Supersedes EN 62106:2001

English version

**Specification of the Radio Data System (RDS)  
for VHF/FM sound broadcasting in the frequency range  
from 87,5 MHz to 108,0 MHz  
(IEC 62106:2009)**

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im Frequenzbereich  
87,5 MHz bis 108,0 MHz  
(IEC 62106:2009)

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This European Standard was approved by CENELEC on 2009-12-01. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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

**CENELEC**

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

**Central Secretariat: Avenue Marnix 17, B - 1000 Brussels**

## Foreword

The text of document 100/1454/CDV, future edition 2 of IEC 62106, prepared by technical area 1: Terminals for audio, video and data services and content, of IEC TC 100, Audio, video and multimedia systems and equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62106 on 2009-12-01.

This European Standard supersedes EN 62106:2001.

The main changes with respect to EN 62106:2001 are listed below.

- the list of RDS country codes, inclusive of the extended country codes, has been updated in Annexes D and N;
- Annex E, containing the character code tables to be used in RDS has been updated;
- RadioText Plus has been added as a new feature in Annex P;
- Enhanced RadioText has been added as a new feature in Annex Q.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2010-09-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2012-12-01

Annex ZA has been added by CENELEC.

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### Endorsement notice

The text of the International Standard IEC 62106:2009 was approved by CENELEC as a European Standard without any modification.

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## Annex ZA (normative)

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

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.

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

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO/IEC 10646	- <sup>1)</sup>	Information technology - Universal multiple-octet coded character set (UCS)	-	-
ISO 14819	Series	Traffic and Traveller Information (TTI) - TTI messages via traffic message coding	EN ISO 14819	Series
ITU-R Recommendation BS.450-3	- <sup>1)</sup>	Transmission standards for FM sound broadcasting at VHF	-	-
ITU-R Recommendation BS.643-2	- <sup>1)</sup>	System for automatic tuning and other applications in FM radio receivers for use with the pilot-tone system	-	-
ITU-T Recommendation E.212	- <sup>1)</sup>	The international identification plan for public networks and subscriptions	-	-
US NRS-4-A	- <sup>1)</sup>	National Radio Systems Committee - NRSC-4-A: United States RBDS standard	-	-
-	-	Digital Audio Broadcasting (DAB); VHF/FM Broadcasting: cross-referencing to simulcast DAB services by RDS-ODA 147	ETSI EN 301 700	- <sup>1)</sup>

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<sup>1)</sup> Undated reference.

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IEC 62106

Edition 2.0 2009-07

# INTERNATIONAL STANDARD

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Specification of the Radio Data System (RDS) for VHF/FM sound broadcasting in  
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## CONTENTS

FOREWORD.....	8
1 Scope.....	10
2 Normative references .....	10
3 Abbreviations and conventions .....	10
4 Modulation characteristics of the data channel (physical layer).....	11
4.1 General.....	11
4.2 Subcarrier frequency.....	11
4.3 Subcarrier phase.....	13
4.4 Subcarrier level .....	13
4.5 Method of modulation .....	13
4.6 Clock-frequency and data-rate .....	13
4.7 Differential coding .....	13
4.8 Data-channel spectrum shaping .....	14
5 Baseband coding (data-link layer) .....	17
5.1 Baseband coding structure .....	17
5.2 Order of bit transmission .....	17
5.3 Error protection .....	18
5.4 Synchronisation of blocks and groups.....	19
6 Message format (session and presentation layers) .....	19
6.1 Addressing .....	19
6.1.1 Design principles .....	19
6.1.2 Principal features .....	20
6.1.3 Group types.....	21
6.1.4 Open data channel/Applications Identification.....	23
6.1.5 Coding of the Group types .....	25
6.2 Coding of information .....	41
6.2.1 Coding of information for control.....	42
6.2.2 Coding and use of information for display .....	50
6.2.3 Coding of Clock Time and date (CT).....	51
6.2.4 Coding of information for Transparent Data Channels (TDC) .....	51
6.2.5 Coding of information for In House applications (IH).....	51
6.2.6 Coding of Radio Paging (RP).....	51
6.2.7 Coding of Emergency Warning Systems (EWS).....	52
7 Description of features .....	53
7.1 Alternative Frequencies list (AF).....	53
7.2 Clock Time and date (CT).....	53
7.3 Decoder Identification (DI) and dynamic PTY Indicator (PTYI).....	53
7.4 Extended Country Code (ECC).....	53
7.5 Enhanced Other Networks information (EON).....	53
7.6 Emergency Warning System (EWS).....	54
7.7 In House application (IH).....	54
7.8 Music Speech switch (MS) .....	54
7.9 Open Data Applications (ODA).....	54
7.10 Programme Identification (PI).....	54
7.11 Programme Item Number (PIN) .....	55
7.12 Programme Service name (PS) .....	55



7.13 Programme TYpe (PTY) .....	55
7.14 Programme TYpe Name (PTYN).....	55
7.15 Radio Paging (RP) .....	55
7.16 RadioText (RT).....	56
7.17 Enhanced RadioText (eRT) .....	56
7.18 RadioText Plus (RT+).....	56
7.19 Traffic Announcement identification (TA) .....	56
7.20 Transparent Data Channels (TDC) .....	56
7.21 Traffic Message Channel (TMC).....	56
7.22 Traffic Programme identification (TP) .....	56
8 Marking .....	56
Annex A (normative) Offset words to be used for group and block synchronisation .....	58
Annex B (informative) Theory and implementation of the modified shortened cyclic code .....	59
Annex C (informative) Implementation of group and block synchronisation using the modified shortened cyclic code .....	65
Annex D (normative) Programme identification codes and Extended country codes .....	68
Annex E (normative) Basic and extended RDS character sets.....	72
Annex F (normative) Programme type codes.....	86
Annex G (informative) Conversion between time and date conventions.....	89
Annex H (informative) ARI (Autofahrer-Rundfunk-Information) system – Discontinuation.....	91
Annex J (normative) Language identification.....	92
Annex K (informative) RDS logo .....	94
Annex L (informative) Open data registration.....	95
Annex M (normative) Coding of Radio Paging (RP).....	98
Annex N (normative) Country codes and extended country codes for countries outside the European Broadcasting Area .....	130
Annex P (normative) Coding of RadioText Plus information (RT+) .....	135
Annex Q (normative) Coding of enhanced RadioText (eRT) .....	147
Annex R (informative) RBDS in the USA .....	152
Annex S (normative) List of RDS specific abbreviations .....	153
Bibliography.....	154
Figure 1 – Block diagram of radio-data equipment at the transmitter .....	12
Figure 2 – Block diagram of a typical radio-data receiver/decoder.....	12
Figure 3 – Amplitude response of the specified transmitter or receiver data-shaping filter .....	15
Figure 4 – Amplitude response of the combined transmitter and receiver data-shaping filters .....	15
Figure 5 – Spectrum of biphasic coded radio-data signals .....	16
Figure 6 – Time-function of a single biphasic symbol.....	16
Figure 7 – 57 kHz radio-data signals.....	16
Figure 8 – Structure of the baseband coding.....	17
Figure 9 – Message format and addressing.....	18
Figure 10 – ODA version A groups.....	24

Figure 11 – ODA version B groups.....	25
Figure 12 – Basic tuning and switching information – Type 0A group.....	25
Figure 13 – Basic tuning and switching information – Type 0B group.....	26
Figure 14 – Programme Item Number and slow labelling codes – Type 1A group.....	27
Figure 15 – Programme Item Number – Type 1B group.....	28
Figure 16 – RadioText – Type 2A group.....	28
Figure 17 – RadioText – Type 2B group.....	29
Figure 18 – Application Identification for Open data – Type 3A group.....	30
Figure 19 – Open data – Type 3B group.....	31
Figure 20 – Clock-time and date transmission – Type 4A group.....	32
Figure 21 – Open data – Type 4B group.....	32
Figure 22 – Transparent data channels – Type 5A group.....	33
Figure 23 – Transparent data channels – Type 5B group.....	33
Figure 24 – In-house applications – Type 6A and 6B group.....	34
Figure 25 – Radio Paging – Type 7A group.....	34
Figure 26 – Type 7B group.....	35
Figure 27 – Traffic Message Channel – Type 8A group.....	35
Figure 28 – Open data – Type 8B group.....	35
Figure 29 – Allocation of EWS message bits – Type 9A group.....	36
Figure 30 – Open data – Type 9B group.....	36
Figure 31 – Programme Type Name PTYN – Type 10A group.....	37
Figure 32 – Open data – Type 10B group.....	37
Figure 33 – Open data – Type 11A and 11B groups.....	38
Figure 34 – Open data – Type 12A and 12B groups.....	38
Figure 35 – Enhanced Paging information – Type 13A group.....	39
Figure 36 – Open data – Type 13B group.....	40
Figure 37 – Enhanced Other Networks information – Type 14A groups.....	40
Figure 38 – Enhanced Other Networks information – Type 14B groups.....	40
Figure 39 – Open data – Type 15A group.....	41
Figure 40 – Fast basic tuning and switching information – Type 15B group.....	41
Figure 41 – Structure of Block 3 of Type 1A groups.....	48
Figure 42 – Structure of variant 12 of block 3 of type 14A groups (linkage information) – National link.....	49
Figure 43 – Structure of variant 12 of block 3 of type 14A groups (linkage information) – International link.....	50
Figure 44 – Structure of Variant 7 of Block 3 of type 1A groups for Identification of a programme carrying EWS information.....	53
Figure B.1 – Generator matrix of the basic shortened cyclic code in binary notation.....	60
Figure B.2 – Shift-register implementation of the encoder.....	61
Figure B.3 – Parity-check matrix of the basic shortened cyclic code.....	62
Figure B.4 – Shift-register implementation of the decoder.....	63
Figure C.1 – Group and block synchronisation detection circuit.....	66
Figure D.1 – PI structure.....	68

Figure D.2 – Structure of Variant 0 of Block 3 of Type 1A groups (Extended Country Codes).....	69
Figure D.3 – Correspondence between geographical locations and the symbols used for the various countries within the European Broadcasting Area as an example .....	69
Figure G.1 – Conversion routes between Modified Julian Date (MJD) and Coordinated Universal Time (UTC) .....	89
Figure J.1 – Language identification code allocation .....	92
Figure M.1 – Group type 7A message format for Radio Paging .....	101
Figure M.2 – Group type 7A paging without an additional message.....	102
Figure M.3 – Group type 7A paging with an additional 10 digit message .....	103
Figure M.4 – Group type 7A paging with an additional 18 digit message .....	103
Figure M.5 – Group type 7A paging with an additional alphanumeric message.....	104
Figure M.6 – Group type 7A paging with an additional international 15 digit message .....	105
Figure M.7 – Functions message in international paging .....	106
Figure M.8 – Variant 0 of 1A group with PIN .....	108
Figure M.9 – Variant 2 of 1A group with PIN .....	109
Figure M.10 – Variants of 1A group without PIN.....	110
Figure M.11 – Group type 13A .....	116
Figure M.12 – Tone-only message.....	118
Figure M.13 – First 7A group of a variable-length message.....	118
Figure M.14 – Group type 7A national paging with additional alphanumeric message .....	120
Figure M.15 – Group type 7A national paging with additional variable-length numeric message.....	121
Figure M.16 – Group type 7A national paging with additional variable-length functions message.....	122
Figure M.17 – The two first 7A groups of an international alphanumeric message.....	124
Figure M.18 – The two first 7A groups of an international variable-length numeric message.....	124
Figure M.19 – The two first 7A groups of an international variable-length functions message.....	124
Figure M.20 – Traffic handling capacity, busy hour, call rate = 0,10 calls/pager/hour .....	128
Figure M.21 – Traffic handling capacity, busy hour, call rate = 0,067 calls/pager/hour .....	129
Figure M.22 – Traffic handling capacity, busy hour, call rate = 0,05 calls/pager/hour .....	129
Figure P.1 – RT+ information of the category 'Item' (see Table P.2) will be attached to the programme elements Item 1 and Item 2 .....	140
Figure P.2 – RT+ information of the category 'Item' will be attached to the programme elements Item 1 and Item 2, but not to the programme element News.....	140
Figure P.3 – RT+ information of the category 'Item' will be attached only to the programme element Item 1, but not to the programme element Talk .....	140
Figure P.4 – Bit allocation for group 3A (message bits and AID) .....	141
Figure P.5 – Coding of the message bits of the application group .....	142
Figure Q.1 – eRT information elements.....	147
Figure Q.2 – Bit allocation for group 3A (message bits and AID).....	148
Figure Q.3 – Coding of the message bits of the application group.....	149

Table 1 – Encoding rules .....	13
Table 2 – Decoding rules .....	14
Table 3 – Group types .....	21
Table 4 – Main feature repetition rates .....	22
Table 5 – Group repetition rates .....	23
Table 6 – ODA group availability signalled in type 3A groups .....	24
Table 7 – STY codes .....	39
Table 8 – Codes for TP and TA .....	42
Table 9 – Bit $d_0$ to $d_3$ meanings .....	42
Table 10 – VHF code table .....	43
Table 11 – Special meanings code table .....	43
Table 12 – Code tables according to ITU regions .....	43
Table A.1 – Offset word codes .....	58
Table B.1 – Offset word syndromes using matrix of Figure B.3 .....	63
Table C.1 – Offset word syndromes for group and block synchronisation .....	67
Table D.1 – PI code structure .....	68
Table D.2 – Symbols used for ECC and PI country codes for the countries in the European Broadcasting Area .....	70
Table D.3 – Area coverage codes .....	71
Table D.4 – Programme reference number codes .....	71
Table D.5 – PI codes for short range transmitting devices .....	71
Table E.1 – Basic RDS character set .....	72
Table E.2 – Extended RDS character set, for eRT only .....	73
Table F.1 – Programme type codes and corresponding terms for display .....	86
Table G.1 – Symbols used .....	89
Table J.1 – Language identification codes .....	92
Table M.1 – Pager group codes .....	99
Table M.2 – Codes for additional message contents .....	102
Table M.3 – Paging segment address codes for 10 and 18 digit messages .....	104
Table M.4 – Paging segment address codes for alphanumeric messages .....	105
Table M.5 – Paging segment address codes for international 15 digit messages .....	106
Table M.6 – Paging segment address codes for functions message .....	107
Table M.7 – Sub-usage codes .....	110
Table M.8 – Group designation codes .....	114
Table M.9 – Cycle selection codes .....	115
Table M.10 – Message sorting codes .....	115
Table M.11 – Codes for message types .....	117
Table M.12 – Description of the control byte .....	119
Table M.13 – Use of paging call repetition flag .....	119
Table M.14 – Paging segment address codes for alphanumeric message .....	120
Table M.15 – Paging segment address codes for variable length numeric message .....	121
Table M.16 – Paging segment address codes for variable length functions message .....	123
Table M.17 – Address notification (50 bits) .....	126

Table M.18 – Address notification (25 bits) .....	127
Table M.19 – Z3 parity relationship .....	127
Table P.1 – RT+ information elements .....	135
Table P.2 – Code list and ‘RT+ class’ description of ‘RT/eRT content types’ .....	144

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**SPECIFICATION OF THE RADIO DATA SYSTEM (RDS) FOR VHF/FM  
SOUND BROADCASTING IN THE FREQUENCY RANGE  
FROM 87,5 MHz TO 108,0 MHz**

## FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 62106 has been prepared by technical area 1: Terminals for audio, video and data services and content, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

This second edition cancels and replaces the first edition, published in 2000 and constitutes a technical revision.

The main changes with respect to the previous edition are listed below.

- the list of RDS country codes, inclusive of the extended country codes, has been updated in Annexes D and N;
- Annex E, containing the character code tables to be used in RDS has been updated;
- RadioText Plus has been added as a new feature in Annex P;
- Enhanced RadioText has been added as a new feature in Annex Q.

NOTE 1 IEC 62106:2000 (first edition) and IEC 62106:2009 (second edition) have the same main text and annex structure. However, the main text of this edition is slightly restructured to more closely conform to ISO/IEC Directives, Part 2. Nevertheless, cross-referencing between this edition and the previous edition remains

possible. To find the corresponding subclause quickly, it is basically sufficient to subtract 3 clauses. Example: see 6.1.5.1 becomes, see 3.1.5.1 in the first edition.

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

CDV	Report on voting
100/1454/CDV	100/1557/RVC

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

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

NOTE 2 For technical reasons equations and some figures had to be left unchanged and are not in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site 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.

A bilingual version of the publication may be issued at a later date.

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