IEC 62106-4

INTERNATIONAL STANDARD

Radio data system (RDS) – VHF/FM sound broadcasting in the frequency range from 64,0 MHz to 108,0 MHz –
Part 4: Registered code tables

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**RADIO DATA SYSTEM (RDS) –
VHF/FM SOUND BROADCASTING IN THE FREQUENCY
RANGE FROM 64,0 MHz TO 108,0 MHz –**

Part 4: Registered code tables

FOREWORD

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International Standard IEC 62106-4 has been prepared by technical area 1: Terminals for audio, video and data services and contents, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

This first edition, together with IEC 62106-1, IEC 62106-2, IEC 62106-3, IEC 62106-5 and IEC 62106-6, cancels and replaces IEC 62106:2015, and constitutes a technical revision.

This edition includes the following significant technical changes with respect to IEC 62106:2015:

- Provision has been made to carry RDS on multiple data-streams (RDS2).

- The country identification table has been updated by adding some countries.

- Translated PTY terms for 20 languages have been added.

The text of this International Standard is based on the following documents:

CDV	Report on voting
100/2908/CDV	100/3058/RVC

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

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

A list of all parts in the IEC 62106 series, published under the general title *Radio data system (RDS) – VHF/FM sound broadcasting in the frequency range from 64,0 MHz to 108,0 MHz*, can be found on the IEC website.

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

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- withdrawn,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

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

INTRODUCTION

Since the mid-1980s a fascinating development has taken place. Most of the multimedia applications and standards have been created or redefined significantly. Hardware has become extremely powerful with dedicated software and middleware. In the mid-1980s, Internet as well as its protocols did not exist. Navigation systems became affordable in the late 1990s, and a full range of attractive smartphones now exist. The computing power of all these new products is comparable with that of the mainframe installations in that era.

Listener expectations have grown faster than the technology. Visual experience is now very important, like the Internet look and feel. Scrolling text or delivering just audio is nowadays perceived as insufficient for FM radio, specifically for smartphone users. New types of radio receivers with added value features are therefore required. RDS has so far proven to be very successful.

FM radio with RDS is an analogue-digital hybrid system, which is still a valid data transmission technology and only the applications need adaptation. Now the time has come to solve the only disadvantage, the lack of sufficient data capacity. With RDS2, the need to increase the data capacity can be fulfilled.

RDS was introduced in the early 1980s. During the introductory phase in Europe, the car industry became very involved and that was the start of an extremely successful roll-out. Shortly afterwards, RDS (RBDS) was launched in the USA.

The RDS Forum has investigated a solution to the issue of limited data capacity. For RDS2, both sidebands around the RDS 57 kHz subcarrier can be repeated a few times, up to three, centred on additional subcarriers higher up in the FM multiplex still remaining compatible with the ITU Recommendations.

The core elements of RDS2 are the additional subcarriers, which will enable a significant increase of RDS data capacity to be achieved, and then only new additional data applications will have to be created, using the RDS-ODA feature, which has been part of the RDS standard IEC 62106 for many years.

In order to update IEC 62106:2015 to the specifications of RDS2, IEC 62106 has been restructured as follows:

Part 1: Modulation characteristics and baseband coding

Part 2: RDS message format, coding and definition of RDS features

Part 3: Usage and registration of Open Data Applications ODAs

Part 4: Registered code tables

Part 5: Marking of RDS and RDS2 devices

Part 6: Compilation of technical specifications for Open Data Applications in the public domain

The following future parts are planned:

Part 7: RBDS

Part 8: Universal Encoder Communication Protocol UECP

The original specifications of the RDS system have been maintained and the extra functionalities of RDS2 have been added.

Obsolete or unused functions from the original RDS standard have been deleted.

**RADIO DATA SYSTEM (RDS) –
VHF/FM SOUND BROADCASTING IN THE FREQUENCY
RANGE FROM 64,0 MHz TO 108,0 MHz –**

Part 4: Registered code tables

1 Scope

This part of IEC 62106 provides a number of tables for use in the implementation of the RDS system. This document specifies the procedure for registering a new value in an existing table or the registration of a new table.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 62106 (all parts), *Radio Data System (RDS) – VHF/FM sound broadcasting in the frequency range from 64,0 MHz to 108,0 MHz*

ISO/IEC 10646, *Information technology – Universal Coded Character Set (UCS)*

3 Terms, definitions, abbreviated terms and conventions

For the purposes of this document, the terms, definitions and abbreviated terms given in IEC 62106-1 and IEC 62106-2 apply. The notation and conventions given in IEC 62106-1 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at http://www.electropedia.org/

- ISO Online browsing platform: available at http://www.iso.org/obp

4 Registration procedure

4.1 Registration authority

The content of this document is maintained by the RDS Forum Office. Applications for the registration of a value in an existing table or registration of a new table are to be sent to the address below. Note that only applications which are in line with the rules described in the following clauses can be accepted by the registration authority.

Applications for registration should be sent to:

RDS Forum Office
E-mail: rdsforum@bluewin.ch

4.2 Registration of a value in an existing table

Applications for a new value to be defined in an existing table shall be sent to the RDS Forum Office. The requirement shall be clearly stated, including table to be considered, requirement and proposed number to be used. Support from other organizations for the request should be cited also.

The RDS Forum Office will confirm that no numbering conflicts occur at this stage and circulate the proposal to the RDS Forum members for a 30-day comment period. If there are no adverse comments, then the application, as amended by any helpful editorial suggestions, will be accepted and published within 30 days on the RDS Forum website. If there are adverse comments, then the application will be considered by RDS Forum at its next plenary meeting following the comment period. The RDS Forum Office will prepare a briefing for that meeting and the applicant will be given an opportunity to describe their proposal and reasons for it. The decision of the RDS Forum meeting will be final and if the application is accepted, as amended by any helpful editorial suggestions, it will be published within 30 days on the RDS Forum website.

4.3 Registration of a new table

Applications for a new table to be defined shall be sent to the RDS Forum Office. The requirement shall be clearly stated, including table function to be considered, requirement and proposed numbering system to be used. Support from other organizations for the request should be cited also.

The RDS Forum Office will prepare a briefing for the next plenary RDS Forum meeting and the applicant will be given an opportunity to describe his proposal and reasons for it. The decision of the RDS Forum meeting will be final and if the application is accepted, as amended by any helpful editorial suggestions, it will be published within 30 days on the RDS Forum website.

5 Registered code tables for RDS and RDS2

5.1 Country identification

Tables 1 to 3 are separated into International Telecommunications Union (ITU) regions for convenience only; they contain Country Identifiers (CI code) and the Extended Country Codes (ECC) and, for information, the ISO 2-letter country code. The ECC and CI codes are shown in their hexadecimal format. CI code "0" (hex) is not used.

NOTE   Some countries have identified their remote territories with the same country code as the one used for the mainland. Unless this is changed by the countries concerned, receivers cannot distinguish these areas.

Table 1 – ITU Region 1 – ECC and CI codes *(1 of 2)*

Country	ISO code	ECC	CI code	Country	ISO code	ECC	CI code
Albania	AL	E0	9	Estonia	EE	E4	2
Algeria	DZ	E0	2	Ethiopia	ET	D1	E
Andorra	AD	E0	3	Faroe (Denmark)	DK	E1	9
Angola	AO	D0	6	Finland	FI	E1	6
Armenia	AM	E4	A	France	FR	E1	F
Ascension Island	SH	D1	A	Gabon	GA	D0	8
Austria	AT	E0	A	Gambia	GM	D1	8
Azerbaijan	AZ	E3	B	Georgia	GE	E4	C
Azores (Portugal)	PT	E4	8	Germany	DE	E0	D, 1
Bahrein		F0	E	Ghana	GH	D1	3
Belarus	BY	E3	F	Gibraltar	GI	E1	A
Belgium	BE	E0	6	Greece	GR	E1	1
Benin	BJ	D0	E	Guinea	GN	D0	9
Bosnia Herzegovina	BA	E4	F	Guinea-Bissau	GW	D2	A
Botswana	BW	D1	B	Hungary	HU	E0	B
Bulgaria	BG	E1	8	Iceland	IS	E2	A
Burkina Faso	BF	D0	B	Iraq	IQ	E1	B
Burundi	BI	D1	9	Ireland	IE	E3	2
Cabinda		D3	4	Israel	IL	E0	4
Cameroon	CM	D0	1	Italy	IT	E0	5
Canaries (Spain)	ES	E2	E	Jordan	JO	E1	5
Cape Verde	CV	D1	6	Kazakhstan	KZ	E3	D
Central African Republic	CF	D0	2	Kenya	KE	D2	6
Chad	TD	D2	9	Kosovo		E4	7
Comoros	KM	D1	C	Kuwait	KW	F2	1
Congo (Democratic Republic of)	CD	D2	B	Kyrgyzstan	KG	E5	3
Congo (Republic of)	CG	D0	C	Latvia	LV	E3	9
Cote d'Ivoire	CI	D2	C	Lebanon	LB	E3	A
Croatia	HR	E3	C	Lesotho	LS	D3	6
Cyprus	CY	E1	2	Liberia	LR	D1	2
Czech Republic	CZ	E2	2	Libya	LY	E1	D
Denmark	DK	E1	9	Liechtenstein	LI	E2	9
Djibouti	DJ	D0	3	Lithuania	LT	E2	C
Egypt	EG	E0	F	Luxembourg	LU	E1	7
Equatorial Guinea	GQ	D0	7	Macedonia	MK	E4	3
Eritrea	ER	D2	F	Madagascar	MG	D0	4

Table 1 *(2 of 2)*

Country	ISO code	ECC	CI code	Country	ISO code	ECC	CI code
Madeira (Portugal)	PT	E4	8	Seychelles (Republic of)	SC	D3	8
Malawi	MW	D0	F	Sierra Leone	SL	D2	1
Mali	ML	D0	5	Slovakia	SK	E2	5
Malta	MT	E0	C	Slovenia	SI	E4	9
Mauritania	MR	D1	4	Somalia	SO	D2	7
Mauritius	MU	D3	A	South Africa	ZA	D0	A
Moldova	MD	E4	1	South Sudan	SS	D4	A
Monaco	MC	E2	B	Spain	ES	E2	E
Mongolia	MN	F3	F	Sudan (Republic of)	SD	D3	C
Montenegro	ME	E3	1	Swaziland	SZ	D2	5
Morocco	MA	E2	1	Sweden	SE	E3	E
Mozambique	MZ	D2	3	Switzerland	CH	E1	4
Namibia	NA	D1	1	Syria	SY	E2	6
Netherlands	NL	E3	8	Tajikistan	TJ	E3	5
Niger	NE	D2	8	Tanzania	TZ	D1	D
Nigeria	NG	D1	F	Togo	TG	D0	D
Norway	NO	E2	F	Tunisia	TN	E2	7
Oman	OM	F1	6	Turkey	TR	E3	3
Palestine	PS	E0	8	Turkmenistan	TM	E4	E
Poland	PL	E2	3	Uganda	UG	D2	4
Portugal	PT	E4	8	Ukraine	UA	E4	6
Qatar	QA	F2	2	United Arab Emirates	AE	F2	D
Romania	RO	E1	E	United Kingdom	GB	E1	C
Russian Federation	RU	E0	7	Uzbekistan	UZ	E4	B
Rwanda	RW	D3	5	Vatican	VA	E2	4
San Marino	SM	E1	3	Western Sahara	EH	D3	3
Sao Tome and Principe	ST	D1	5	Yemen	YE	F3	B
Saudi Arabia	SA	F0	9	Zambia	ZM	D2	E
Senegal	SN	D1	7	Zimbabwe	ZW	D2	2
Serbia	RS	E2	D				

Table 2 – ITU Region 2 – ECC and CI codes

Country	ISO code	ECC	CI code	Country	ISO code	ECC	CI code
Anguilla	AI	A2	1	Guyana	GY	A3	F
Antigua and Barbuda	AG	A2	2	Haiti	HT	A4	D
Argentina	AR	A2	A	Honduras	HN	A4	2
Aruba	AW	A4	3	Jamaica	JM	A3	3
Bahamas	BS	A2	F	Martinique	MQ	A3	4
Barbados	BB	A2	5	Mexico	MX	A5	B or D, E, F
Belize	BZ	A2	6	Montserrat	MS	A4	5
Bermuda	BM	A2	C	Netherlands Antilles	AN	A2	D
Bolivia	BO	A3	1	Nicaragua	NI	A3	7
Brazil	BR	A2	B or C, D,3	Panama	PA	A3	9
Canada	CA	A1	B or C, D, E	Paraguay	PY	A3	6
Cayman Islands	KY	A2	7	Peru	PE	A4	7
Chile	CL	A3	C	Puerto Rico	PR	A0	1 to 9 or A, B, D, E
Colombia	CO	A3	2	St. Kitts	KN	A4	A
Costa Rica	CR	A2	8	St. Lucia	LC	A4	B
Cuba	CU	A2	9	St. Pierre and Miquelon	PM	A6	F
Dominica	DM	A3	A	St. Vincent	VC	A5	C
Dominican Republic	DO	A3	B	Suriname	SR	A4	8
El Salvador	SN	A4	C	Trinidad and Tobago	TT	A4	6
Equator	EC	A2	3	Turks and Caicos islands	TB	A3	E
Falkland Islands	FK	A2	4	United States of America	US	A0	1 to 9 or A, B, D, E
Greenland	GL	A1	F	Uruguay	UY	A4	9
Grenada	GD	A3	D	Venezuela	VE	A4	E
Guadeloupe	GP	A2	E	Virgin islands (British)	VG	A4	F
Guatemala	GT	A4	1	Virgin Islands (USA)	VI	A0	1 to 9 or A, B, D, E

Table 3 – ITU Region 3 – ECC and CI codes

Country	ISO code	ECC	CI code	Country	ISO code	ECC	CI code
Afghanistan	AF	F0	A	Korea (South)	KR	F1	E
Australia:	AU			Laos	LA	F3	1
- Capital Territory		F0	1	Macao	MO	F2	6
- New South Wales		F0	2	Malaysia	MY	F0	F
- Victoria		F0	3	Maldives	MV	F2	B
- Queensland		F0	4	Marshall Islands	MH	F4	B
- South Australia		F0	5	Micronesia	FM	F3	E
- Western Australia		F0	6	Myanmar (Burma)	MM	F0	B
- Tasmania		F0	7	Nauru	NR	F1	7
- Northern Territory		F0	8	Nepal	NP	F2	E
Bangladesh	BD	F1	3	New Zealand	NZ	F1	9
Bhutan	BT	F1	2	Pakistan	PK	F1	4
Brunei Darussalam	BN	F1	B	Papua New Guinea	PG	F3	9
Cambodia	KH	F2	3	Philippines	PH	F2	8
China	CN	F0	C	Samoa	WS	F2	4
		F3	8	Singapore	SG	F2	A
		F4	9	Solomon Islands	SB	F1	A
Fiji	FJ	F1	5	Sri Lanka	LK	F1	C
Hong Kong	HK	F1	F	Taiwan	TW	F1	D
India	IN	F2	5	Thailand	TH	F3	2
Indonesia	ID	F2	C	Tonga	TO	F3	3
Iran	IR	F1	8	Vanuatu	VU	F2	F
Japan	JP	F2	9	Vietnam	VN	F2	7
Kiribati	KI	F1	1				
Korea (North)	KP	F0	D				

5.2 Basic and extended RDS character sets

Two character coding methods are used in RDS: the basic RDS character set in Table 4 and Table 5, and UTF-8.

Table 4 contains the basic RDS character set, which shall be used for transmitting Programme Service name (PS), Programme Type Name (PTYN), and RadioText (RT). Table 5 contains the same basic transmitted RDS character set mapped to non-transmitted UCS-2 equivalents to assist symbol identification

Table 6 contains an extended character set, which shall be used, UTF-8 coded, for long PS and eRT/eRT+ in countries of the European Broadcasting Area. Even more extended character character coding is possible using UTF-8 coding in conformity with ISO/IEC 10646 for long PS and eRT/eRT+. Table 6 is provided to help equipment designers to identify character symbols used by the official languages in countries of the European Broadcasting Area, an area term defined by the ITU (all European countries and those bordering the Mediterranean Sea).

Table 4 – Basic RDS character set

b7				b7	0	0	0	0	0	0	1	1	1	1	1	1	1	1
				b6	0	0	1	1	1	1	0	0	0	0	1	1	1	1
				b5	1	1	0	0	1	1	0	0	1	1	0	0	1	1
				b4	0	1	0	1	0	1	0	1	0	1	0	1	0	1
b3	b2	b1	b0		2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	0	0	0	0	SPACE	0	@	P	‖	p	á	â	ª	º	Á	Â	Ã	ã
0	0	0	1	1	!	1	A	Q	a	q	à	ä	α	¹	À	Ä	Å	å
0	0	1	0	2	"	2	B	R	b	r	é	ê	©	²	É	Ê	Æ	æ
0	0	1	1	3	#	3	C	S	c	s	è	ë	‰	³	È	Ë	Œ	œ
0	1	0	0	4	¤	4	D	T	d	t	í	î	Ğ	±	Í	Î	ŷ	ŵ
0	1	0	1	5	%	5	E	U	e	u	ì	ï	ě	İ	Ì	Ï	Ý	ý
0	1	1	0	6	&	6	F	V	f	v	ó	ô	ň	ń	Ó	Ô	Õ	õ
0	1	1	1	7	'	7	G	W	g	w	ò	ö	ő	ű	Ò	Ö	Ø	ø
1	0	0	0	8	(	8	H	X	h	x	ú	û	π	µ	Ú	Û	Þ	þ
1	0	0	1	9	)	9	I	Y	i	y	ù	ü	€	¿	Ù	Ü	Ŋ	ŋ
1	0	1	0	A	*	:	J	Z	j	z	Ñ	ñ	£	÷	Ř	ř	Ŕ	ŕ
1	0	1	1	B	+	;	K	[	k	{	Ç	ç	$	°	Č	č	Ć	ć
1	1	0	0	C	,	<	L	\	l	|	Ş	ş	←	¼	Š	š	Ś	ś
1	1	0	1	D	-	=	M	]	m	}	ß	ğ	↑	½	Ž	ž	Ź	ź
1	1	1	0	E	.	>	N	—	n	‾	¡	ı	→	¾	Đ	đ	Ŧ	ŧ
1	1	1	1	F	/	?	O	_	o		IJ	ij	↓	§	Ł	ŀ		ð

NOTE 1 DAB receivers have used and implemented the same basic character set as the one given in Table 4. However, as this character set does not include a number of special characters used in Central and Eastern Europe, ETSI standardized for DAB receivers in September 2015 a modified and extended set. For RDS receivers the modification agreed by ETSI cannot be applied for reasons of backwards compatibility.

NOTE 2 The only control codes used in RDS are 0x0A 'line feed' and 0x0D 'carriage return'. It is used to mark the end of text in RT, eRT and long PS. All other control codes in the range 0x01 to 0x1F are not assigned.

NOTE 3 For the characters 0x20 to 0x7F the coding mostly complies with ISO/IEC 10646. The characters 0x80 to 0xFE were mapped (by the European Broadcasting Union (EBU)), prior to ISO/IEC 10646, to accommodate the most frequently used symbols in the Western part of Europe.

For example, the PS name 'Radio 21' could be transmitted in group type 0 A/B as follows, using the codes of Table 4:

Characters:		Ra	di	o	21
PS segment address:		0	1	2	3

PS segment address	Character codes	Characters	Effect
0	0x52, 0x61	R, a	First two letters
1	0x64, 0x69	d, i	Second two letters
2	0x6F, 0x20	o, space	Third two letters
3	0x32, 0x31	2, 1	Last two letters

Table 5 – Non-transmitted UCS-2 equivalents *(1 of 7)*

No.	RDS code	Symbol	UCS-2 equivalent / Name
0	0x00		0x0000 NOT ASSIGNED
1	0x01		0x0001 NOT ASSIGNED
2	0x02		0x0002 NOT ASSIGNED
3	0x03		0x0003 NOT ASSIGNED
4	0x04		0x0004 NOT ASSIGNED
5	0x05		0x0005 NOT ASSIGNED
6	0x06		0x0006 NOT ASSIGNED
7	0x07		0x0007 NOT ASSIGNED
8	0x08		0x0008 NOT ASSIGNED
9	0x09		0x0009 NOT ASSIGNED
10	0x0A		0x000A LINE FEED
11	0x0B		0x000B END OF HEADLINE
12	0x0C		0x000C NOT ASSIGNED
13	0x0D		0x000D CARRIAGE RETURN
14	0x0E		0x000E NOT ASSIGNED
15	0x0F		0x000F NOT ASSIGNED
16	0x10		0x0010 NOT ASSIGNED
17	0x11		0x0011 NOT ASSIGNED
18	0x12		0x0012 NOT ASSIGNED
19	0x13		0x0013 NOT ASSIGNED
20	0x14		0x0014 NOT ASSIGNED
21	0x15		0x0015 NOT ASSIGNED
22	0x16		0x0016 NOT ASSIGNED
23	0x17		0x0017 NOT ASSIGNED
24	0x18		0x0018 NOT ASSIGNED
25	0x19		0x0019 NOT ASSIGNED
26	0x1A		0x001A NOT ASSIGNED
27	0x1B		0x001B NOT ASSIGNED
28	0x1C		0x001C NOT ASSIGNED
29	0x1D		0x001D NOT ASSIGNED
30	0x1E		0x001E NOT ASSIGNED
31	0x1F		0x001F WORD BREAK - SOFT HIPHEN
32	0x20		0x0020 SPACE
33	0x21	!	0x0021 EXCLAMATION MARK

Table 5 *(2 of 7)*

No.	RDS code	Symbol	UCS-2 equivalent / Name
34	0x22	"	0x0022 QUOTATION MARK
35	0x23	#	0x0023 NUMBER SIGN
36	0x24	¤	0x00A4 CURRENCY SIGN
37	0x25	%	0x0025 PERCENT SIGN
38	0x26	&	0x0026 AMPERSAND
39	0x27	'	0x0027 APOSTROPHE
40	0x28	(	0x0028 LEFT PARENTHESIS
41	0x29	)	0x0029 RIGHT PARENTHESIS
42	0x2A	*	0x002A ASTERISK
43	0x2B	+	0x002B PLUS SIGN
44	0x2C	,	0x002C COMMA
45	0x2D	-	0x002D HYPHEN-MINUS
46	0x2E	.	0x002E FULL STOP
47	0x2F	/	0x002F SOLIDUS
48	0x30	0	0x0030 DIGIT ZERO
49	0x31	1	0x0031 DIGIT ONE
50	0x32	2	0x0032 DIGIT TWO
51	0x33	3	0x0033 DIGIT THREE
52	0x34	4	0x0034 DIGIT FOUR
53	0x35	5	0x0035 DIGIT FIVE
54	0x36	6	0x0036 DIGIT SIX
55	0x37	7	0x0037 DIGIT SEVEN
56	0x38	8	0x0038 DIGIT EIGHT
57	0x39	9	0x0039 DIGIT NINE
58	0x3A	:	0x003A COLON
59	0x3B	;	0x003B SEMICOLON
60	0x3C	<	0x003C LESS-THAN SIGN
61	0x3D	=	0x003D EQUALS SIGN
62	0x3E	>	0x003E GREATER-THAN SIGN
63	0x3F	?	0x003F QUESTION MARK
64	0x40	@	0x0040 COMMERCIAL AT
65	0x41	A	0x0041 LATIN CAPITAL LETTER A
66	0x42	B	0x0042 LATIN CAPITAL LETTER B
67	0x43	C	0x0043 LATIN CAPITAL LETTER C
68	0x44	D	0x0044 LATIN CAPITAL LETTER D
69	0x45	E	0x0045 LATIN CAPITAL LETTER E
70	0x46	F	0x0046 LATIN CAPITAL LETTER F
71	0x47	G	0x0047 LATIN CAPITAL LETTER G
72	0x48	H	0x0048 LATIN CAPITAL LETTER H
73	0x49	I	0x0049 LATIN CAPITAL LETTER I
74	0x4A	J	0x004A LATIN CAPITAL LETTER J

Table 5 *(3 of 7)*

No.	RDS code	Symbol	UCS-2 equivalent / Name
75	0x4B	K	0x004B LATIN CAPITAL LETTER K
76	0x4C	L	0x004C LATIN CAPITAL LETTER L
77	0x4D	M	0x004D LATIN CAPITAL LETTER M
78	0x4E	N	0x004E LATIN CAPITAL LETTER N
79	0x4F	O	0x004F LATIN CAPITAL LETTER O
80	0x50	P	0x0050 LATIN CAPITAL LETTER P
81	0x51	Q	0x0051 LATIN CAPITAL LETTER Q
82	0x52	R	0x0052 LATIN CAPITAL LETTER R
83	0x53	S	0x0053 LATIN CAPITAL LETTER S
84	0x54	T	0x0054 LATIN CAPITAL LETTER T
85	0x55	U	0x0055 LATIN CAPITAL LETTER U
86	0x56	V	0x0056 LATIN CAPITAL LETTER V
87	0x57	W	0x0057 LATIN CAPITAL LETTER W
88	0x58	X	0x0058 LATIN CAPITAL LETTER X
89	0x59	Y	0x0059 LATIN CAPITAL LETTER Y
90	0x5A	Z	0x005A LATIN CAPITAL LETTER Z
91	0x5B	[	0x005B LEFT SQUARE BRACKET
92	0x5C	\	0x005C REVERSE SOLIDUS
93	0x5D	]	0x005D RIGHT SQUARE BRACKET
94	0x5E	—	0x2015 HORIZONTAL BAR
95	0x5F	_	0x005F LOW LINE
96	0x60	‖	0x2016 DOUBLE VERTICAL LINE
97	0x61	a	0x0061 LATIN SMALL LETTER A
98	0x62	b	0x0062 LATIN SMALL LETTER B
99	0x63	c	0x0063 LATIN SMALL LETTER C
100	0x64	d	0x0064 LATIN SMALL LETTER D
101	0x65	e	0x0065 LATIN SMALL LETTER E
102	0x66	f	0x0066 LATIN SMALL LETTER F
103	0x67	g	0x0067 LATIN SMALL LETTER G
104	0x68	h	0x0068 LATIN SMALL LETTER H
105	0x69	i	0x0069 LATIN SMALL LETTER I
106	0x6A	j	0x006A LATIN SMALL LETTER J
107	0x6B	k	0x006B LATIN SMALL LETTER K
108	0x6C	l	0x006C LATIN SMALL LETTER L
109	0x6D	m	0x006D LATIN SMALL LETTER M
110	0x6E	n	0x006E LATIN SMALL LETTER N
111	0x6F	o	0x006F LATIN SMALL LETTER O
112	0x70	p	0x0070 LATIN SMALL LETTER P
113	0x71	q	0x0071 LATIN SMALL LETTER Q
114	0x72	r	0x0072 LATIN SMALL LETTER R
115	0x73	s	0x0073 LATIN SMALL LETTER S

Table 5 *(4 of 7)*

No.	RDS code	Symbol	UCS-2 equivalent / Name
116	0x74	t	0x0074 LATIN SMALL LETTER T
117	0x75	u	0x0075 LATIN SMALL LETTER U
118	0x76	v	0x0076 LATIN SMALL LETTER V
119	0x77	w	0x0077 LATIN SMALL LETTER W
120	0x78	x	0x0078 LATIN SMALL LETTER X
121	0x79	y	0x0079 LATIN SMALL LETTER Y
122	0x7A	z	0x007A LATIN SMALL LETTER Z
123	0x7B	{	0x007B LEFT CURLY BRACKET
124	0x7C	|	0x007C VERTICAL LINE
125	0x7D	}	0x007D RIGHT CURLY BRACKET
126	0x7E	‾	0x203E OVERLINE
127	0x7F		0x007F NOT ASSIGNED
128	0x80	á	0x00E1 LATIN SMALL LETTER A WITH ACUTE
129	0x81	à	0x00E0 LATIN SMALL LETTER A WITH GRAVE
130	0x82	é	0x00E9 LATIN SMALL LETTER E WITH ACUTE
131	0x83	è	0x00E8 LATIN SMALL LETTER E WITH GRAVE
132	0x84	í	0x00ED LATIN SMALL LETTER I WITH ACUTE
133	0x85	ì	0x00EC LATIN SMALL LETTER I WITH GRAVE
134	0x86	ó	0x00F3 LATIN SMALL LETTER O WITH ACUTE
135	0x87	ò	0x00F2 LATIN SMALL LETTER O WITH GRAVE
136	0x88	ú	0x00FA LATIN SMALL LETTER U WITH ACUTE
137	0x89	ù	0x00F9 LATIN SMALL LETTER U WITH GRAVE
138	0x8A	Ñ	0x00D1 LATIN CAPITAL LETTER N WITH TILDE
139	0x8B	Ç	0x00C7 LATIN CAPITAL LETTER C WITH CEDILLA
140	0x8C	Ş	0x015E LATIN CAPITAL LETTER S WITH CEDILLA
141	0x8D	ß	0x00DF LATIN SMALL LETTER SHARP S (German)
142	0x8E	¡	0x00A1 INVERTED EXCLAMATION MARK
143	0x8F	IJ	0x0132 LATIN CAPITAL LIGATURE IJ
144	0x90	â	0x00E2 LATIN SMALL LETTER A WITH CIRCUMFLEX
145	0x91	ä	0x00E4 LATIN SMALL LETTER A WITH DIAERESIS
146	0x92	ê	0x00EA LATIN SMALL LETTER E WITH CIRCUMFLEX
147	0x93	ë	0x00EB LATIN SMALL LETTER E WITH DIAERESIS
148	0x94	î	0x00EE LATIN SMALL LETTER I WITH CIRCUMFLEX
149	0x95	ï	0x00EF LATIN SMALL LETTER I WITH DIAERESIS
150	0x96	ô	0x00F4 LATIN SMALL LETTER O WITH CIRCUMFLEX
151	0x97	ö	0x00F6 LATIN SMALL LETTER O WITH DIAERESIS
152	0x98	û	0x00FB LATIN SMALL LETTER U WITH CIRCUMFLEX
153	0x99	ü	0x00FC LATIN SMALL LETTER U WITH DIAERESIS
154	0x9A	ñ	0x00F1 LATIN SMALL LETTER N WITH TILDE
155	0x9B	ç	0x00E7 LATIN SMALL LETTER C WITH CEDILLA
156	0x9C	ş	0x015F LATIN SMALL LETTER S WITH CEDILLA

Table 5 *(5 of 7)*

No.	RDS code	Symbol	UCS-2 equivalent / Name
157	0x9D	ğ	0x011F LATIN SMALL LETTER G WITH BREVE
158	0x9E	ı	0x0131 LATIN SMALL LETTER DOTLESS I
159	0x9F	ij	0x0133 LATIN SMALL LIGATURE IJ
160	0xA0	ª	0x00AA FEMININE ORDINAL INDICATOR
161	0xA1	α	0x03B1 GREEK SMALL LETTER ALPHA
162	0xA2	©	0x00A9 COPYRIGHT SIGN
163	0xA3	‰	0x2030 PER THOUSAND SIGN
164	0xA4	Ğ	0x011E LATIN CAPITAL LETTER G WITH BREVE
165	0xA5	ě	0x011B LATIN SMALL LETTER WITH CARON
166	0xA6	ň	0x0148 LATIN SMALL LETTER N WITH CARON
167	0xA7	ő	0x0151 LATIN SMALL LETTER O WITH DOUBLE ACUTE
168	0xA8	π	0x03C0 GREEK SMALL LETTER PI
169	0xA9	€	0x20AC EURO SIGN
170	0xAA	£	0x00A3 POUND SIGN
171	0xAB	$	0x0024 DOLLAR SIGN
172	0xAC	←	0x2190 LEFTWARDS ARROW
173	0xAD	↑	0x2191 UPWARDS ARROW
174	0xAE	→	0x2192 RIGHTWARDS ARROW
175	0xAF	↓	0x2193 DOWNWARDS ARROW
176	0xB0	º	0x00BA MASCULIN ORDINAL INDICATOR
177	0xB1	¹	0x00B9 SUPERSCRIPT ONE
178	0xB2	²	0x00B2 SUPERSCRIPT TWO
179	0xB3	³	0x00B3 SUPERSCRIPT THREE
180	0xB4	±	0x00B1 PLUS-MINUS SIGN
181	0xB5	İ	0x0130 LATIN CAPITAL LETTER I WITH DOT ABOVE
182	0xB6	ń	0x0144 LATIN SMALL LETTER N WITH ACUTE
183	0xB7	ű	0x0171 LATIN SMALL LETTER U WITH DOUBLE ACUTE
184	0xB8	µ	0x00B5 MIKRO SIGN
185	0xB9	¿	0x00BF INVERTED QUESTION MARK
186	0xBA	÷	0x00F7 DIVISION SIGN
187	0xBB	º	0x00B0 DEGREE SIGN
188	0xBC	¼	0x00BC VULGAR FRACTION ONE QUARTER
189	0xBD	½	0x00BD VULGAR FRACTION ONE HALF
190	0xBE	¾	0x00BE VULGAR FRACTION THREE QUARTERS
191	0xBF	§	0x00A7 SECTION SIGN
192	0xC0	Á	0x00C1 LATIN CAPITAL LETTER A WITH ACUTE
193	0xC1	À	0x00C0 LATIN CAPITAL LETTER A WITH GRAVE
194	0xC2	É	0x00C9 LATIN CAPITAL LETTER E WITH ACUTE
195	0xC3	È	0x00C8 LATIN CAPITAL LETTER E WITH GRAVE
196	0xC4	Í	0x00CD LATIN CAPITAL LETTER I WITH ACUTE
197	0xC5	Ì	0x00CC LATIN CAPITAL LETTER I WITH GRAVE
198	0xC6	Ó	0x00D3 LATIN CAPITAL LETTER O WITH ACUTE

Table 5 *(6 of 7)*

No.	RDS code	Symbol	UCS-2 equivalent / Name
199	0xC7	Ò	0x00D2 LATIN CAPITAL LETTER O WITH GRAVE
200	0xC8	Ú	0x00DA LATIN CAPITAL LETTER U WITH ACUTE
201	0xC9	Ù	0x00D9 LATIN CAPITAL LETTER U WITH GRAVE
202	0xCA	Ř	0x0158 LATIN CAPITAL LETTER R WITH CARON
203	0xCB	Č	0x010C LATIN CAPITAL LETTER C WITH CARON
204	0xCC	Š	0x0160 LATIN CAPITAL LETTER S WITH CARON
205	0xCD	Ž	0x017D LATIN CAPITAL LETTER Z WITH CARON
206	0xCE	Đ	0x00D0 LATIN CAPITAL LETTER ETH
207	0xCF	Ŀ	0x013F LATIN CAPITAL LETTER L WITH MIDDLE DOT
208	0xD0	Â	0x00C2 LATIN CAPITAL LETTER A WITH CIRCUMFLEX
209	0xD1	Ä	0x00C4 LATIN CAPITAL LETTER A WITH DIAERESIS
210	0xD2	Ê	0x00CA LATIN CAPITAL LETTER E WITH CIRCUMFLEX
211	0xD3	Ë	0x00CB LATIN CAPITAL LETTER A WITH DIAERESIS
212	0xD4	Î	0x00CE LATIN CAPITAL LETTER I WITH CIRCUMFLEX
213	0xD5	Ï	0x00CF LATIN CAPITAL LETTER I WITH DIAERESIS
214	0xD6	Ô	0x00D4 LATIN CAPITAL LETTER O WITH CIRCUMFLEX
215	0xD7	Ö	0x00D6 LATIN CAPITAL LETTER O WITH DIAERESIS
216	0xD8	Û	0x00DB LATIN CAPITAL LETTER U WITH CIRCUMFLEX
217	0xD9	Ü	0x00DC LATIN CAPITAL LETTER U WITH DIAERESIS
218	0xDA	ř	0x0159 LATIN SMALL LETTER R WITH CARON
219	0xDB	č	0x010D LATIN SMALL LETTER C WITH CARON
220	0xDC	š	0x0161 LATIN SMALL LETTER S WITH CARON
221	0xDD	ž	0x017E LATIN SMALL LETTER Z WITH CARON
222	0xDE	đ	0x0111 LATIN SMALL LETTER D WITH STROKE
223	0xDF	ŀ	0x0140 LATIN SMALL LETTER L WITH MIDDLE DOT
224	0xE0	Ã	0x00C3 LATIN CAPITAL LETTER A WITH TILDE
225	0xE1	Å	0x00C5 LATIN CAPITAL LETTER A WITH RING ABOVE
226	0xE2	Æ	0x00C6 LATIN CAPITAL LETTER AE
227	0xE3	Œ	0x0152 LATIN CAPITAL LIGATURE OE
228	0xE4	ŷ	0x0177 LATIN SMALL LETTER Y WITH CIRCUMFLEX
229	0xE5	Ý	0x00DD LATIN CAPITAL LETTER Y WITH ACUTE
230	0xE6	Õ	0x00D5 LATIN CAPITAL LETTER O WITH TILDE
231	0xE7	Ø	0x00D8 LATIN CAPITAL LETTER O WITH STROKE
232	0xE8	Þ	0x00DE LATIN CAPITAL LETTER THORN
233	0xE9	Ŋ	0x014A LATIN CAPITAL LETTER ENG
234	0xEA	Ŕ	0x0154 LATIN CAPITAL LETTER R WITH ACUTE
235	0xEB	Ć	0x0106 LATIN SMALL LETTER C WITH ACUTE
236	0xEC	Ś	0x015A LATIN CAPITAL LETTER S WITH ACUTE
237	0xED	Ź	0x0179 LATIN CAPITAL LETTER Z WITH ACUTE
238	0xEE	Ŧ	0x0166 LATIN CAPITAL LETTER T WITH STROKE
239	0xEF	ð	0x00F0 LATIN SMALL LETTER ETH
240	0xF0	ã	0x00E3 LATIN SMALL LETTER A WITH TILDE

Table 5 *(7 of 7)*

No.	RDS code	Symbol	UCS-2 equivalent / Name
241	0xF1	å	0x00E5 LATIN SMALL LETTER A WITH RING
242	0xF2	æ	0x00E6 LATIN SMALL LETTER AE
243	0xF3	œ	0x0153 LATIN SMALL LETTER OE
244	0xF4	ŵ	0x0175 LATIN SMALL LETTER W WITH CIRCUMFLEX
245	0xF5	ý	0x00FD LATIN SMALL LETTER Y WITH ACUTE
246	0xF6	õ	0x00F5 LATIN SMALL LETTER O WITH TILDE
247	0xF7	ø	0x00F8 LATIN SMALL LETTER O WITH STROKE
248	0xF8	þ	0x00FE LATIN SMALL LETTER THORN
249	0xF9	ŋ	0x014B LATIN SMALL LETTER ENG
250	0xFA	ŕ	0x0155 LATIN SMALL LETTER R WITH ACUTE
251	0xFB	ć	0x0107 LATIN SMALL LETTER C WITH ACUTE
252	0xFC	ś	0x015B LATIN SMALL LETTER S WITH ACUTE
253	0xFD	ź	0x017A LATIN SMALL LETTER Z WITH ACUTE
254	0xFE	ŧ	0x0167 LATIN SMALL LETTER T WITH STROKE
255	0xFF		NOT ASSIGNED

Table 6 – Character codes used in the European Broadcasting Area *(1 of 12)*

No.	Code point	Symbol	Name
1	U+000A		LINE FEED = CONTROL CHARACTER
2	U+000B		NOT ASSIGNED
3	U+000D		CARRIAGE RETURN = CONTROL CHARACTER
4	U+001F		NOT ASSIGNED
5	U+0020		SPACE
6	U+0021	!	EXCLAMATION MARK
7	U+0022	"	QUOTATION MARK
8	U+0023	#	NUMBER SIGN
9	U+0024	$	DOLLAR SIGN
10	U+0025	%	PERCENT SIGN
11	U+0026	&	AMPERSAND
12	U+0027	'	APOSTROPHE
13	U+0028	(	LEFT PARENTHESIS
14	U+0029	)	RIGHT PARENTHESIS
15	U+002A	*	ASTERISK
16	U+002B	+	PLUS SIGN
17	U+002C	,	COMMA
18	U+002D	-	HYPHEN-MINUS
19	U+002E	.	FULL STOP
20	U+002F	/	SOLIDUS
21	U+0030	0	DIGIT ZERO
22	U+0031	1	DIGIT ONE
23	U+0032	2	DIGIT TWO
24	U+0033	3	DIGIT THREE
25	U+0034	4	DIGIT FOUR
26	U+0035	5	DIGIT FIVE
27	U+0036	6	DIGIT SIX
28	U+0037	7	DIGIT SEVEN
29	U+0038	8	DIGIT EIGHT
30	U+0039	9	DIGIT NINE
31	U+003A	:	COLON
32	U+003B	;	SEMICOLON
33	U+003C	<	LESS-THAN SIGN
34	U+003D	=	EQUALS SIGN
35	U+003E	>	GREATER-THAN SIGN
36	U+003F	?	QUESTION MARK
37	U+0040	@	COMMERCIAL AT
38	U+0041	A	LATIN CAPITAL LETTER A
39	U+0042	B	LATIN CAPITAL LETTER B
40	U+0043	C	LATIN CAPITAL LETTER C
41	U+0044	D	LATIN CAPITAL LETTER D
42	U+0045	E	LATIN CAPITAL LETTER E
43	U+0046	F	LATIN CAPITAL LETTER F
44	U+0047	G	LATIN CAPITAL LETTER G

Table 6 *(2 of 12)*

No.	Code point	Symbol	Name
45	U+0048	H	LATIN CAPITAL LETTER H
46	U+0049	I	LATIN CAPITAL LETTER I
47	U+004A	J	LATIN CAPITAL LETTER J
48	U+004B	K	LATIN CAPITAL LETTER K
49	U+004C	L	LATIN CAPITAL LETTER L
50	U+004D	M	LATIN CAPITAL LETTER M
51	U+004E	N	LATIN CAPITAL LETTER N
52	U+004F	O	LATIN CAPITAL LETTER O
53	U+0050	P	LATIN CAPITAL LETTER P
54	U+0051	Q	LATIN CAPITAL LETTER Q
55	U+0052	R	LATIN CAPITAL LETTER R
56	U+0053	S	LATIN CAPITAL LETTER S
57	U+0054	T	LATIN CAPITAL LETTER T
58	U+0055	U	LATIN CAPITAL LETTER U
59	U+0056	V	LATIN CAPITAL LETTER V
60	U+0057	W	LATIN CAPITAL LETTER W
61	U+0058	X	LATIN CAPITAL LETTER X
62	U+0059	Y	LATIN CAPITAL LETTER Y
63	U+005A	Z	LATIN CAPITAL LETTER Z
64	U+005B	[	LEFT SQUARE BRACKET
65	U+005C	\	REVERSE SOLIDUS
66	U+005D	]	RIGHT SQUARE BRACKET
67	U+005F	__	LOW LINE
68	U+0061	a	LATIN SMALL LETTER A
69	U+0062	b	LATIN SMALL LETTER B
70	U+0063	c	LATIN SMALL LETTER C
71	U+0064	d	LATIN SMALL LETTER D
72	U+0065	E	LATIN SMALL LETTER E
73	U+0066	f	LATIN SMALL LETTER F
74	U+0067	g	LATIN SMALL LETTER G
75	U+0068	h	LATIN SMALL LETTER H
76	U+0069	i	LATIN SMALL LETTER I
77	U+006A	j	LATIN SMALL LETTER J
78	U+006B	k	LATIN SMALL LETTER K
79	U+006C	l	LATIN SMALL LETTER L
80	U+006D	m	LATIN SMALL LETTER M
81	U+006E	n	LATIN SMALL LETTER N
82	U+006F	o	LATIN SMALL LETTER O
83	U+0070	p	LATIN SMALL LETTER P
84	U+0071	q	LATIN SMALL LETTER Q
85	U+0072	r	LATIN SMALL LETTER R
86	U+0073	s	LATIN SMALL LETTER S
87	U+0074	t	LATIN SMALL LETTER T
88	U+0075	u	LATIN SMALL LETTER U
89	U+0076	v	LATIN SMALL LETTER V
90	U+0077	w	LATIN SMALL LETTER W
91	U+0078	x	LATIN SMALL LETTER X
92	U+0079	y	LATIN SMALL LETTER Y

Table 6 *(3 of 12)*

No.	Code point	Symbol	Name
93	**U+007A**	z	**LATIN SMALL LETTER Z**
94	**U+007B**	{	**LEFT CURLY BRACKET**
95	**U+007C**	|	**VERTICAL LINE**
96	**U+007D**	}	**RIGHT CURLY BRACKET**
97	U+007E	~	TILDE
98	U+00A0		NO-BREAK SPACE
99	**U+00A1**	¡	**INVERTED EXCLAMATION MARK**
100	U+00A2	¢	CENT SIGN
101	**U+00A3**	£	**POUND SIGN**
102	**U+00A4**	¤	**CURRENCY SIGN**
103	U+00A5	¥	YEN SIGN
104	U+00A6	¦	BROKEN BAR
105	**U+00A7**	§	**SECTION SIGN**
106	U+00A8	¨	DIAERESIS
107	**U+00A9**	©	**COPYRIGHT SIGN**
108	**U+00AA**	ª	**FEMININE ORDINAL INDICATOR**
109	U+00AB	«	LEFT-POINTING DOUBLE ANGLE QUOTATION MARK
110	U+00AC	¬	NOT SIGN
111	U+00AD		SOFT HYPHEN
112	U+00AE	®	REGISTERED SIGN
113	**U+00AF**	¯	**MACRON**
114	**U+00B0**	°	**DEGREE SIGN**
115	**U+00B1**	±	**PLUS-MINUS SIGN**
116	**U+00B2**	²	**SUPERSCRIPT TWO**
117	**U+00B3**	³	**SUPERSCRIPT THREE**
118	U+00B4	´	ACUTE ACCENT
119	**U+00B5**	µ	**MIKRO SIGN**
120	U+00B6	¶	PILCROW SIGN
121	U+00B7	·	MIDDLE DOT
122	U+00B8	¸	CEDILLA
123	**U+00B9**	¹	**SUPERSCRIPT ONE**
124	**U+00BA**	º	**MASCULIN ORDINAL INDICATOR**
125	U+00BB	»	RIGHT-POINTING DOUBLE ANGLE QUOTATION MARK
126	**U+00BC**	¼	**VULGAR FRACTION ONE QUARTER**
127	**U+00BD**	½	**VULGAR FRACTION ONE HALF**
128	**U+00BE**	¾	**VULGAR FRACTION THREE QUARTERS**
129	**U+00BF**	¿	**INVERTED QUESTION MARK**
130	**U+00C0**	À	**LATIN CAPITAL LETTER A WITH GRAVE**
131	**U+00C1**	Á	**LATIN CAPITAL LETTER A WITH ACUTE**
132	**U+00C2**	Â	**LATIN CAPITAL LETTER A WITH CIRCUMFLEX**
133	**U+00C3**	Ã	**LATIN CAPITAL LETTER A WITH TILDE**
134	**U+00C4**	Ä	**LATIN CAPITAL LETTER A WITH DIAERESIS**
135	**U+00C5**	Å	**LATIN CAPITAL LETTER A WITH RING ABOVE**
136	**U+00C6**	Æ	**LATIN CAPITAL LETTER AE = LATIN LIGATURE AE**
137	**U+00C7**	Ç	**LATIN CAPITAL LETTER C WITH CEDILLA**
138	**U+00C8**	È	**LATIN CAPITAL LETTER E WITH GRAVE**
139	**U+00C9**	É	**LATIN CAPITAL LETTER E WITH ACUTE**

Table 6 *(4 of 12)*

No.	Code point	Symbol	Name
140	**U+00CA**	Ê	**LATIN CAPITAL LETTER E WITH CIRCUMFLEX**
141	**U+00CB**	Ë	**LATIN CAPITAL LETTER A WITH DIAERESIS**
142	**U+00CC**	Ì	**LATIN CAPITAL LETTER I WITH GRAVE**
143	**U+00CD**	Í	**LATIN CAPITAL LETTER I WITH ACUTE**
144	**U+00CE**	Î	**LATIN CAPITAL LETTER I WITH CIRCUMFLEX**
145	**U+00CF**	Ï	**LATIN CAPITAL LETTER I WITH DIAERESIS**
146	**U+00D0**	Đ	**LATIN CAPITAL LETTER ETH**
147	**U+00D1**	Ñ	**LATIN CAPITAL LETTER N WITH TILDE**
148	**U+00D2**	Ò	**LATIN CAPITAL LETTER O WITH GRAVE**
149	**U+00D3**	Ó	**LATIN CAPITAL LETTER O WITH ACUTE**
150	**U+00D4**	Ô	**LATIN CAPITAL LETTER O WITH CIRCUMFLEX**
151	**U+00D5**	Õ	**LATIN CAPITAL LETTER O WITH TILDE**
152	**U+00D6**	Ö	**LATIN CAPITAL LETTER O WITH DIAERESIS**
153	U+00D7	×	MULTIPLICATION SIGN
154	**U+00D8**	Ø	**LATIN CAPITAL LETTER O WITH STROKE**
155	**U+00D9**	Ù	**LATIN CAPITAL LETTER U WITH GRAVE**
156	**U+00DA**	Ú	**LATIN CAPITAL LETTER U WITH ACUTE**
157	**U+00DB**	Û	**LATIN CAPITAL LETTER U WITH CIRCUMFLEX**
158	**U+00DC**	Ü	**LATIN CAPITAL LETTER U WITH DIAERESIS**
159	**U+00DD**	Ý	**LATIN CAPITAL LETTER Y WITH ACUTE**
160	**U+00DE**	Þ	**LATIN CAPITAL LETTER THORN**
161	**U+00DF**	ß	**LATIN SMALL LETTER SHARP S (German)**
162	**U+00E0**	à	**LATIN SMALL LETTER A WITH GRAVE**
163	**U+00E1**	á	**LATIN SMALL LETTER A WITH ACUTE**
164	**U+00E2**	â	**LATIN SMALL LETTER A WITH CIRCUMFLEX**
165	**U+00E3**	ã	**LATIN SMALL LETTER A WITH TILDE**
166	**U+00E4**	ä	**LATIN SMALL LETTER A WITH DIAERESIS**
167	**U+00E5**	å	**LATIN SMALL LETTER A WITH RING**
168	**U+00E6**	æ	**LATIN SMALL LETTER AE**
169	**U+00E7**	ç	**LATIN SMALL LETTER C WITH CEDILLA**
170	**U+00E8**	è	**LATIN SMALL LETTER E WITH GRAVE**
171	**U+00E9**	é	**LATIN SMALL LETTER E WITH ACUTE**
172	**U+00EA**	ê	**LATIN SMALL LETTER E WITH CIRCUMFLEX**
173	**U+00EB**	ë	**LATIN SMALL LETTER E WITH DIAERESIS**
174	**U+00EC**	ì	**LATIN SMALL LETTER I WITH GRAVE**
175	**U+00ED**	í	**LATIN SMALL LETTER I WITH ACUTE**
176	**U+00EE**	î	**LATIN SMALL LETTER I WITH CIRCUMFLEX**
177	**U+00EF**	ï	**LATIN SMALL LETTER I WITH DIAERESIS**
178	**U+00F0**	ð	**LATIN SMALL LETTER ETH**
179	**U+00F1**	ñ	**LATIN SMALL LETTER N WITH TILDE**
180	**U+00F2**	ò	**LATIN SMALL LETTER O WITH GRAVE**
181	**U+00F3**	ó	**LATIN SMALL LETTER O WITH ACUTE**
182	**U+00F4**	ô	**LATIN SMALL LETTER O WITH CIRCUMFLEX**
183	**U+00F5**	õ	**LATIN SMALL LETTER O WITH TILDE**
184	**U+00F6**	ö	**LATIN SMALL LETTER O WITH DIAERESIS**
185	**U+00F7**	÷	**DIVISION SIGN**
186	**U+00F8**	ø	**LATIN SMALL LETTER O WITH STROKE**

Table 6 *(5 of 12)*

No.	Code point	Symbol	Name
187	**U+00F9**	ù	**LATIN SMALL LETTER U WITH GRAVE**
188	**U+00FA**	ú	**LATIN SMALL LETTER U WITH ACUTE**
189	**U+00FB**	û	**LATIN SMALL LETTER U WITH CIRCUMFLEX**
190	**U+00FC**	ü	**LATIN SMALL LETTER U WITH DIAERESIS**
191	**U+00FD**	ý	**LATIN SMALL LETTER Y WITH ACUTE**
192	**U+00FE**	þ	**LATIN SMALL LETTER THORN**
193	U+00FF	ÿ	LATIN SMALL LETTER Y WITH DIAERESIS
194	U+0100	Ā	LATIN CAPITAL LETTER A WITH MACRON
195	U+0101	ā	LATIN SMALL LETTER A WITH MACRON
196	U+0102	Ă	LATIN CAPITAL LETTER A WITH BREVE
197	U+0103	ă	LATIN SMALL LETTER A WITH BREVE
198	U+0104	Ą	LATIN CAPITAL LETTER A WITH OGONEK
199	U+0105	ą	LATIN SMALL LETTER A WITH OGONEK
200	**U+0106**	Ć	**LATIN SMALL LETTER C WITH ACUTE**
201	**U+0107**	ć	**LATIN SMALL LETTER C WITH ACUTE**
202	**U+010C**	Č	**LATIN CAPITAL LETTER C WITH CARON**
203	**U+010D**	č	**LATIN SMALL LETTER C WITH CARON**
204	U+010F	ď	LATIN SMALL LETTER D WITH CARON
205	U+0110	Đ	LATIN CAPITAL LETTER D WITH STROKE
206	**U+0111**	đ	**LATIN SMALL LETTER D WITH STROKE**
207	U+0112	Ē	LATIN CAPITAL LETTER E WITH MACRON
208	U+0113	ē	LATIN SMALL LETTER E WITH MACRON
209	U+0116	Ė	LATIN CAPITAL LETTER E WITH DOT ABOVE
210	U+0117	ė	LATIN SMALL LETTER E WITH DOT ABOVE
211	U+0118	Ę	LATIN CAPITAL LETTER E WITH OGONEK
212	U+0119	ę	LATIN SMALL LETTER E WITH OGONEK
213	**U+011A**	Ě	**LATIN CAPITAL LETTER E WITH CARON**
214	**U+011B**	ě	**LATIN SMALL LETTER E WITH CARON**
215	**U+011E**	Ğ	**LATIN CAPITAL LETTER G WITH BREVE**
216	**U+011F**	ğ	**LATIN SMALL LETTER G WITH BREVE**
217	U+0122	Ģ	LATIN CAPITAL LETTER G WITH CEDILLA
218	U+0123	ģ	LATIN SMALL LETTER G WITH CEDILLA
219	U+012A	Ī	LATIN CAPITAL LETTER I WITH MACRON
220	U+012B	ī	LATIN SMALL LETTER I WITH MACRON
221	U+012E	Į	LATIN CAPITAL LETTER I WITH OGONEK
222	U+012F	į	LATIN SMALL LETTER I WITH OGONEK
223	**U+0130**	İ	**LATIN CAPITAL LETTER I WITH DOT ABOVE**
224	**U+0131**	ı	**LATIN SMALL LETTER DOTLESS I**
225	**U+0132**	IJ	**LATIN CAPITAL LIGATURE IJ**
226	**U+0133**	ij	**LATIN SMALL LIGATURE IJ**
227	U+0136	Ķ	LATIN CAPITAL LETTER K WITH CEDILLA
228	U+0137	ķ	LATIN SMALL LETTER K WITH CEDILLA
229	U+0139	Ĺ	LATIN CAPITAL LETTER L WITH ACUTE
230	U+013A	ĺ	LATIN SMALL LETTER L WITH ACUTE
231	U+013B	Ļ	LATIN CAPITAL LETTER L WITH CEDILLA
232	U+013C	ļ	LATIN SMALL LETTER L WITH CEDILLA
233	U+013D	Ľ	LATIN CAPITAL LETTER L WITH CARON

Table 6 *(6 of 12)*

No.	Code point	Symbol	Name
234	U+013E	ľ	LATIN SMALL LETTER L WITH CARON
235	**U+013F**	Ŀ	**LATIN CAPITAL LETTER L WITH MIDDLE DOT**
236	**U+0140**	ŀ	**LATIN SMALL LETTER L WITH MIDDLE DOT**
237	U+0141	Ł	LATIN CAPITAL LETTER L WITH STROKE
238	U+0142	ł	LATIN SMALL LETTER L WITH STROKE
239	U+0143	Ń	LATIN CAPITAL LETTER N WITH ACUTE
240	**U+0144**	ń	**LATIN SMALL LETTER N WITH ACUTE**
241	U+0145	Ņ	LATIN CAPITAL LETTER N WITH CEDILLA
242	U+0146	ņ	LATIN SMALL LETTER N WITH CEDILLA
243	U+0147	Ň	LATIN CAPITAL LETTER N WITH CARON
244	**U+0148**	ň	**LATIN SMALL LETTER N WITH CARON**
245	**U+014A**	Ŋ	**LATIN CAPITAL LETTER ENG**
246	**U+014B**	ŋ	**LATIN SMALL LETTER ENG**
247	U+014C	Ō	LATIN CAPITAL LETTER O WITH MACRON
248	U+014D	ō	LATIN SMALL LETTER O WITH MACRON
249	U+0150	Ő	LATIN CAPITAL LETTER O WITH DOUBLE ACUTE
250	**U+0151**	ő	**LATIN SMALL LETTER O WITH DOUBLE ACUTE**
251	**U+0152**	Œ	**LATIN CAPITAL LIGATURE OE**
252	**U+0153**	œ	**LATIN SMALL LETTER OE**
253	**U+0154**	Ŕ	**LATIN CAPITAL LETTER R WITH ACUTE**
254	**U+0155**	ŕ	**LATIN SMALL LETTER R WITH ACUTE**
255	U+0156	Ŗ	LATIN CAPITAL LETTER R WITH CEDILLA
256	U+0157	ŗ	LATIN SMALL LETTER R WITH CEDILLA
257	**U+0158**	Ř	**LATIN CAPITAL LETTER R WITH CARON**
258	**U+0159**	ř	**LATIN SMALL LETTER R WITH CARON**
259	**U+015A**	Ś	**LATIN CAPITAL LETTER S WITH ACUTE**
260	**U+015B**	ś	**LATIN SMALL LETTER S WITH ACUTE**
261	**U+015E**	Ş	**LATIN CAPITAL LETTER S WITH CEDILLA**
262	**U+015F**	ş	**LATIN SMALL LETTER S WITH CEDILLA**
263	**U+0160**	Š	**LATIN CAPITAL LETTER S WITH CARON**
264	**U+0161**	š	**LATIN SMALL LETTER S WITH CARON**
265	U+0164	Ť	LATIN CAPITAL LETTER T WITH CARON
266	U+0165	ť	LATIN SMALL LETTER t WITH CARON
267	**U+0166**	Ŧ	**LATIN CAPITAL LETTER T WITH STROKE**
268	**U+0167**	ŧ	**LATIN SMALL LETTER T WITH STROKE**
269	U+016A	Ū	LATIN CAPITAL LETTER U WITH MACRON
270	U+016B	ū	LATIN SMALL LETTER U WITH MACRON
271	U+016E	Ů	LATIN CAPITAL LETTER U WITH RING ABOVE
272	U+016F	ů	LATIN SMALL LETTER U WITH RING ABOVE
273	U+0170	Ű	LATIN CAPITAL LETTER U WITH DOUBLE ACUTE
274	**U+0171**	ű	**LATIN SMALL LETTER U WITH DOUBLE ACUTE**
275	U+0172	Ų	LATIN CAPITAL LETTER U WITH OGONEK
276	U+0173	ų	LATIN SMALL LETTER U WITH OGONEK
277	**U+0175**	ŵ	**LATIN SMALL LETTER W WITH CIRCUMFLEX**
278	**U+0177**	ŷ	**LATIN SMALL LETTER Y WITH CIRCUMFLEX**
279	U+0178	Ÿ	LATIN CAPITAL LETTER Y WITH DIAERESIS
280	**U+0179**	Ź	**LATIN CAPITAL LETTER Z WITH ACUTE**

Table 6 *(7 of 12)*

No.	Code point	Symbol	Name
281	**U+017A**	ź	**LATIN SMALL LETTER Z WITH ACUTE**
282	U+017B	Ż	LATIN CAPITAL LETTER Z WITH DOT ABOVE
283	U+017C	ż	LATIN SMALL LETTER Z WITH DOT ABOVE
284	**U+017D**	Ž	**LATIN CAPITAL LETTER Z WITH CARON**
285	**U+017E**	ž	**LATIN SMALL LETTER Z WITH CARON**
286	U+0218	Ș	LATIN CAPITAL LETTER S WITH COMMA BELOW
287	U+0219	ș	LATIN SMALL LETTER S WITH COMMA BELOW
288	U+021A	Ț	LATIN CAPITAL LETTER T WITH COMMA BELOW
289	U+021B	ț	LATIN SMALL LETTER T WITH COMMA BELOW
290	U+037A	ͺ	GREEK YPOGEGRAMMENI
291	U+0384	΄	GREEK TONOS
292	U+0385	΅	GREEK DIALYTIKA TONOS
293	U+0386	Ά	GREEK CAPITAL LETTER ALPHA WITH TONOS
294	U+0388	Έ	GREEK CAPITAL LETTER EPSILON WITH TONOS
295	U+0389	Ή	GREEK CAPITAL LETTER ETA WITH TONOS
296	U+038A	Ί	GREEK CAPITAL LETTER IOTA WITH TONOS
297	U+038C	Ό	GREEK CAPITAL LETTER OMICRON WITH TONOS
298	U+038E	Ύ	GREEK CAPITAL LETTER UPSILON WITH TONOS
299	U+038F	Ώ	GREEK CAPITAL LETTER OMEGA WITH TONOS
300	U+0390	ΐ	GREEK SMALL LETTER IOTA WITH DIALYTIKA AND TONOS
301	U+0391	A	GREEK CAPITAL LETTER ALPHA
302	U+0392	B	GREEK CAPITAL LETTER BETA
303	U+0393	Γ	GREEK CAPITAL LETTER GAMMA
304	U+0394	Δ	GREEK CAPITAL LETTER DELTA
305	U+0395	E	GREEK CAPITAL LETTER EPSILON
306	U+0396	Z	GREEK CAPITAL LETTER ZETA
307	U+0397	H	GREEK CAPITAL LETTER ETA
308	U+0398	Θ	GREEK CAPITAL LETTER THETA
309	U+0399	Ι	GREEK CAPITAL LETTER IOTA
310	U+039A	Κ	GREEK CAPITAL LETTER KAPPA
311	U+039B	Λ	GREEK CAPITAL LETTER LAMDA
312	U+039C	μ	GREEK CAPITAL LETTER MU
313	U+039D	N	GREEK CAPITAL LETTER NU
314	U+039E	Ξ	GREEK CAPITAL LETTER XI
315	U+039F	O	GREEK CAPITAL LETTER OMICRON
316	U+03A0	Π	GREEK CAPITAL LETTER PI
317	U+03A1	P	GREEK CAPITAL LETTER RHO
318	U+03A3	Σ	GREEK CAPITAL LETTER SIGMA
319	U+03A4	T	GREEK CAPITAL LETTER TAU
320	U+03A5	Y	GREEK CAPITAL LETTER UPSILON
321	U+03A6	Φ	GREEK CAPITAL LETTER PHI
322	U+03A7	X	GREEK CAPITAL LETTER CHI
323	U+03A8	Ψ	GREEK CAPITAL LETTER PSI
324	U+03A9	Ω	GREEK CAPITAL LETTER OMEGA
325	U+03AA	Ϊ	GREEK CAPITAL LETTER IOTA WITH DIALYTIKA
326	U+03AB	Ϋ	GREEK CAPITAL LETTER UPSILON WITH DIALYTIKA
327	U+03AC	ά	GREEK SMALL LETTER ALPHA WITH TONOS
328	U+03AD	έ	GREEK SMALL LETTER EPSILON WITH TONOS

Table 6 *(8 of 12)*

No.	Code point	Symbol	Name
329	U+03AE	ή	GREEK SMALL LETTER ETA WITH TONOS
330	U+03AF	í	GREEK SMALL LETTER IOTA WITH TONOS
331	U+03B0	ΰ	GREEK SMALL LETTER UPSILON WITH DIALYTIKA AND TONOS
332	**U+03B1**	α	**GREEK SMALL LETTER ALPHA**
333	U+03B2	β	GREEK SMALL LETTER BETA
334	U+03B3	γ	GREEK SMALL LETTER GAMMA
335	U+03B4	δ	GREEK SMALL LETTER DELTA
336	U+03B5	ε	GREEK SMALL LETTER EPSILON
337	U+03B6	ζ	GREEK SMALL LETTER ZETA
338	U+03B7	η	GREEK SMALL LETTER ETA
339	U+03B8	θ	GREEK SMALL LETTER THETA
340	U+03B9	ι	GREEK SMALL LETTER IOTA
341	U+03BA	κ	GREEK SMALL LETTER KAPPA
342	U+03BB	λ	GREEK SMALL LETTER LAMDA
343	U+03BC	μ	GREEK SMALL LETTER MU
344	U+03BD	ν	GREEK SMALL LETTER NU
345	U+03BE	ξ	GREEK SMALL LETTER XI
346	U+03BF	o	GREEK SMALL LETTER OMICRON
347	**U+03C0**	π	**GREEK SMALL LETTER PI**
348	U+03C1	ρ	GREEK SMALL LETTER RHO
349	U+03C2	ς	GREEK SMALL LETTER FINAL SIGMA
350	U+03C3	σ	GREEK SMALL LETTER SIGMA
351	U+03C4	τ	GREEK SMALL LETTER TAU
352	U+03C5	υ	GREEK SMALL LETTER UPSILON
353	U+03C6	φ	GREEK SMALL LETTER PHI
354	U+03C7	X	GREEK SMALL LETTER CHI
355	U+03C8	ψ	GREEK SMALL LETTER PSI
356	U+03C9	ω	GREEK SMALL LETTER OMEGA
357	U+03CA	ϊ	GREEK SMALL LETTER IOTA WITH DIALYTIKA
358	U+03CB	ϋ	GREEK SMALL LETTER UPSILON WITH DIALYTIKA
359	U+03CC	ό	GREEK SMALL LETTER OMICRON WITH TONOS
360	U+03CD	ύ	GREEK SMALL LETTER UPSILON WITH TONOS
361	U+03CE	ώ	GREEK SMALL LETTER OMEGA WITH TONOS
362	U+0401	Ё	CYRILLIC CAPITAL LETTER IO
363	U+0402	Ђ	CYRILLIC CAPITAL LETTER DJE
364	U+0403	Ѓ	CYRILLIC CAPITAL LETTER GJE
365	U+0404	Є	CYRILLIC CAPITAL LETTER UKRAINIAN IE
366	U+0405	S	CYRILLIC CAPITAL LETTER DZE
367	U+0406	I	CYRILLIC CAPITAL LETTER BYELORUSSIAN-UKRAINIAN I
368	U+0407	Ї	CYRILLIC CAPITAL LETTER YI
369	U+0408	J	CYRILLIC CAPITAL LETTER JE
370	U+0409	Љ	CYRILLIC CAPITAL LETTER LJE
371	U+040A	Њ	CYRILLIC CAPITAL LETTER NJE
372	U+040B	Ћ	CYRILLIC CAPITAL LETTER TSHE
373	U+040C	Ќ	CYRILLIC CAPITAL LETTER KJE
374	U+040E	Ў	CYRILLIC CAPITAL LETTER SHORT U
375	U+040F	Џ	CYRILLIC CAPITAL LETTER DZHE
376	U+0410	A	CYRILLIC CAPITAL LETTER A

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No.	Code point	Symbol	Name
377	U+0411	Б	CYRILLIC CAPITAL LETTER BE
378	U+0412	В	CYRILLIC CAPITAL LETTER VE
379	U+0413	Г	CYRILLIC CAPITAL LETTER GHE
380	U+0414	Д	CYRILLIC CAPITAL LETTER DE
381	U+0415	Е	CYRILLIC CAPITAL LETTER IE
382	U+0416	Ж	CYRILLIC CAPITAL LETTER ZHE
383	U+0417	З	CYRILLIC CAPITAL LETTER ZE
384	U+0418	И	CYRILLIC CAPITAL LETTER I
385	U+0419	Й	CYRILLIC CAPITAL LETTER SHORT I
386	U+041A	К	CYRILLIC CAPITAL LETTER KA
387	U+041B	Л	CYRILLIC CAPITAL LETTER EL
388	U+041C	М	CYRILLIC CAPITAL LETTER EM
389	U+041D	Н	CYRILLIC CAPITAL LETTER EN
390	U+041E	О	CYRILLIC CAPITAL LETTER O
391	U+041F	П	CYRILLIC CAPITAL LETTER PE
392	U+0420	Р	CYRILLIC CAPITAL LETTER ER
393	U+0421	С	CYRILLIC CAPITAL LETTER ES
394	U+0422	Т	CYRILLIC CAPITAL LETTER TE
395	U+0423	У	CYRILLIC CAPITAL LETTER U
396	U+0424	Ф	CYRILLIC CAPITAL LETTER EF
397	U+0425	Х	CYRILLIC CAPITAL LETTER HA
398	U+0426	Ц	CYRILLIC CAPITAL LETTER TSE
399	U+0427	Ч	CYRILLIC CAPITAL LETTER CHE
400	U+0428	Ш	CYRILLIC CAPITAL LETTER SHA
401	U+0429	Щ	CYRILLIC CAPITAL LETTER SHCHA
402	U+042A	Ъ	CYRILLIC CAPITAL LETTER HARD SIGN
403	U+042B	Ы	CYRILLIC CAPITAL LETTER YERU
404	U+042C	Ь	CYRILLIC CAPITAL LETTER SOFT SIGN
405	U+042D	Э	CYRILLIC CAPITAL LETTER E
406	U+042E	Ю	CYRILLIC CAPITAL LETTER YU
407	U+042F	Я	CYRILLIC CAPITAL LETTER YA
408	U+0430	а	CYRILLIC SMALL LETTER A
409	U+0431	б	CYRILLIC SMALL LETTER BE
410	U+0432	в	CYRILLIC SMALL LETTER VE
411	U+0433	г	CYRILLIC SMALL LETTER GHE
412	U+0434	д	CYRILLIC SMALL LETTER DE
413	U+0435	е	CYRILLIC SMALL LETTER IE
414	U+0436	ж	CYRILLIC SMALL LETTER ZHE
415	U+0437	з	CYRILLIC SMALL LETTER ZE
416	U+0438	и	CYRILLIC SMALL LETTER I
417	U+0439	й	CYRILLIC SMALL LETTER SHORT I
418	U+043A	к	CYRILLIC SMALL LETTER KA
419	U+043B	л	CYRILLIC SMALL LETTER EL
420	U+043C	м	CYRILLIC SMALL LETTER EM
421	U+043D	н	CYRILLIC SMALL LETTER EN
422	U+043E	о	CYRILLIC SMALL LETTER O
423	U+043F	п	CYRILLIC SMALL LETTER PE

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No.	Code point	Symbol	Name
424	U+0440	р	CYRILLIC SMALL LETTER ER
425	U+0441	с	CYRILLIC SMALL LETTER ES
426	U+0442	т	CYRILLIC SMALL LETTER TE
427	U+0443	у	CYRILLIC SMALL LETTER U
428	U+0444	ф	CYRILLIC SMALL LETTER EF
429	U+0445	х	CYRILLIC SMALL LETTER HA
430	U+0446	ц	CYRILLIC SMALL LETTER TSE
431	U+0447	ч	CYRILLIC SMALL LETTER CHE
432	U+0448	ш	CYRILLIC SMALL LETTER SHA
433	U+0449	щ	CYRILLIC SMALL LETTER SHCHA
434	U+044A	ъ	CYRILLIC SMALL LETTER HARD SIGN
435	U+044B	ы	CYRILLIC SMALL LETTER YERU
436	U+044C	ь	CYRILLIC SMALL LETTER SOFT SIGN
437	U+044D	э	CYRILLIC SMALL LETTER E
438	U+044E	ю	CYRILLIC SMALL LETTER YU
439	U+044F	я	CYRILLIC SMALL LETTER YA
440	U+0451	ё	CYRILLIC SMALL LETTER IO
441	U+0452	ђ	CYRILLIC SMALL LETTER DJE
442	U+0453	ѓ	CYRILLIC SMALL LETTER GJE
443	U+0454	є	CYRILLIC SMALL LETTER UKRAINIAN IE
444	U+0455	ѕ	CYRILLIC SMALL LETTER DZE
445	U+0456	і	CYRILLIC SMALL LETTER BYELORUSSIAN-UKRAINIAN I
446	U+0457	ї	CYRILLIC SMALL LETTER YI
447	U+0458	ј	CYRILLIC SMALL LETTER JE
448	U+0459	љ	CYRILLIC SMALL LETTER LJE
449	U+045A	њ	CYRILLIC SMALL LETTER NJE
450	U+045B	ћ	CYRILLIC SMALL LETTER TSHE
451	U+045C	ќ	CYRILLIC SMALL LETTER KJE
452	U+045E	ў	CYRILLIC SMALL LETTER SHORT U
453	U+045F	џ	CYRILLIC SMALL LETTER DZHE
454	U+05D0	א	HEBREW LETTER ALEF
455	U+05D1	ב	HEBREW LETTER BET
456	U+05D2	ג	HEBREW LETTER GIMEL
457	U+05D3	ד	HEBREW LETTER DALET
458	U+05D4	ה	HEBREW LETTER HE
459	U+05D5	ו	HEBREW LETTER VAV
460	U+05D6	ז	HEBREW LETTER ZAYIN
461	U+05D7	ח	HEBREW LETTER HET
462	U+05D8	ט	HEBREW LETTER TET
463	U+05D9	י	HEBREW LETTER YOD
464	U+05DA	ך	HEBREW LETTER FINAL KAF
465	U+05DB	כ	HEBREW LETTER KAF
466	U+05DC	ל	HEBREW LETTER LAMED
467	U+05DD	ם	HEBREW LETTER FINAL MEM
468	U+05DE	מ	HEBREW LETTER MEM
469	U+05DF	ן	HEBREW LETTER FINAL NUN
470	U+05E0	נ	HEBREW LETTER NUN

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No.	Code point	Symbol	Name
471	U+05E1	ס	HEBREW LETTER SAMEKH
472	U+05E2	ע	HEBREW LETTER AYIN
473	U+05E3	ף	HEBREW LETTER FINAL PE
474	U+05E4	פ	HEBREW LETTER PE
475	U+05E5	ץ	HEBREW LETTER FINAL TSADI
476	U+05E6	צ	HEBREW LETTER TSADI
477	U+05E7	ק	HEBREW LETTER QOF
478	U+05E8	ר	HEBREW LETTER RESH
479	U+05E9	ש	HEBREW LETTER SHIN
480	U+05EA	ת	HEBREW LETTER TAV
481	U+060C	،	ARABIC COMMA
482	U+061B	؛	ARABIC SEMICOLON
483	U+061F	؟	ARABIC QUESTION MARK
484	U+0621	ء	ARABIC LETTER HAMZA
485	U+0622	آ	ARABIC LETTER ALEF WITH MADDA ABOVE
486	U+0623	أ	ARABIC LETTER ALEF WITH HAMZA ABOVE
487	U+0624	ؤ	ARABIC LETTER WAW WITH HAMZA ABOVE
488	U+0625	إ	ARABIC LETTER ALEF WITH HAMZA BELOW
489	U+0626	ئ	ARABIC LETTER YEH WITH HAMZA ABOVE
490	U+0627	ا	ARABIC LETTER ALEF
491	U+0628	ب	ARABIC LETTER BEH
492	U+0629	ة	ARABIC LETTER TEH MARBUTA
493	U+062A	ت	ARABIC LETTER TEH
494	U+062B	ث	ARABIC LETTER THEH
495	U+062C	ج	ARABIC LETTER JEEM
496	U+062D	ح	ARABIC LETTER HAH
497	U+062E	خ	ARABIC LETTER KHAH
498	U+062F	د	ARABIC LETTER DAL
499	U+0630	ذ	ARABIC LETTER THAL
500	U+0631	ر	ARABIC LETTER REH
501	U+0632	ز	ARABIC LETTER ZAIN
502	U+0633	س	ARABIC LETTER SEEN
503	U+0634	ش	ARABIC LETTER SHEEN
504	U+0635	ص	ARABIC LETTER SAD
505	U+0636	ض	ARABIC LETTER DAD
506	U+0637	ط	ARABIC LETTER TAH
507	U+0638	ظ	ARABIC LETTER ZAH
508	U+0639	ع	ARABIC LETTER AIN
509	U+063A	غ	ARABIC LETTER GHAIN
510	U+0640	ـ	ARABIC TATWEEL
511	U+0641	ف	ARABIC LETTER FEH
512	U+0642	ق	ARABIC LETTER QAF
513	U+0643	ك	ARABIC LETTER KAF
514	U+0644	ل	ARABIC LETTER LAM
515	U+0645	م	ARABIC LETTER MEEM
516	U+0646	ن	ARABIC LETTER NOON
517	U+0647	ه	ARABIC LETTER HEH

Table 6 *(12 of 12)*

No.	Code point	Symbol	Name
518	U+0648	و	ARABIC LETTER WAW
519	U+0649	ى	ARABIC LETTER ALEF MAKSURA
520	U+064A	ي	ARABIC LETTER YEH
521	U+064B	ً	ARABIC FATHATAN
522	U+064C	ٌ	ARABIC DAMMATAN
523	U+064D	ٍ	ARABIC KASRATAN
524	U+064E	َ	ARABIC FATHA
525	U+064F	ُ	ARABIC DAMMA
526	U+0650	ِ	ARABIC KASRA
527	U+0651	ّ	ARABIC SHADDA
528	U+0652	ْ	ARABIC SUKUN
529	**U+2015**	—	**HORIZONTAL BAR**
530	U+2017	‗	DOUBLE LOW LINE
531	U+2018	'	LEFT SINGLE QUOTATION MARK
532	U+2019	'	RIGHT SINGLE QUOTATION MARK
533	U+201C	"	LEFT DOUBLE QUOTATION MARK
534	U+201D	"	RIGHT DOUBLE QUOTATION MARK
535	U+201E	„	DOUBLE LOW-9 QUOTATION MARK
536	**U+2030**	‰	**PER MILLE SIGN**
537	**U+20AC**	€	**EURO SIGN**
538	U+2116	№	NUMERO SIGN
539	**U+2190**	←	**LEFTWARDS ARROW**
540	**U+2191**	↑	**UPWARDS ARROW**
541	**U+2192**	→	**RIGHTWARDS ARROW**
542	**U+2193**	↓	**DOWNWARDS ARROW**
543	**U+2551**	‖	**BOX DRAWINGS DOUBLE VERTICAL**

NOTE 1   Bold signifies that the symbol is also part of the character set in Table 4 and Table 5.

NOTE 2   Code point in conformity with ISO/IEC 10646.

NOTE 3   The only two control codes used in RDS are U+000A 'line feed' and code point U+000D 'carriage return'. They are used to mark, respectively, a preferred line feed in RT and eRT and the end of text in RT, eRT and long PS.

5.3   Programme type codes

Programme type (PTY) codes with the corresponding terms to be displayed on a receiver are listed in Table 7. They serve as an identification of specific programme items, whose meaning is defined as listed below.

Other language PTY code translations are shown in Annex A.

Table 7 – Programme type codes and corresponding terms for display

Number	Code	Programme type	8-character display[a]	16-character display[a]
0	00000	No programme type or undefined		
1	00001	News	News	News
2	00010	Current affairs	Affairs	Current affairs
3	00011	Information	Info	Information
4	00100	Sport	Sport	Sport
5	00101	Education	Educate	Education
6	00110	Drama	Drama	Drama
7	00111	Culture	Culture	Cultures
8	01000	Science	Science	Science
9	01001	Varied	Varied	Varied speech
10	01010	Pop music	Pop M	Pop music
11	01011	Rock music	Rock M	Rock music
12	01100	Easy listening music	Easy M	Easy listening
13	01101	Light classical	Light M	Light classics m
14	01110	Serious classical	Classics	Serious classics
15	01111	Other music	Other M	Other music
16	10000	Weather	Weather	Weather & metr
17	10001	Finance	Finance	Finance
18	10010	Children's programmes	Children	Children's progs
19	10011	Social affairs	Social	Social affairs
20	10100	Religion	Religion	Religion
21	10101	Phone in	Phone in	Phone in
22	10110	Travel	Travel	Travel & touring
23	10111	Leisure	Leisure	Leisure & hobby
24	11000	Jazz music	Jazz	Jazz music
25	11001	Country music	Country	Country music
26	11010	National music	Nation M	National music
27	11011	Oldies music	Oldies	Oldies music
28	11100	Folk music	Folk M	Folk music
29	11101	Documentary	Document	Documentary
30	11110	Alarm test	TEST	Alarm test
31	11111	Alarm	Alarm !	Alarm – Alarm !
[a]	These short terms are recommended for the 8- or 16-character display of the radio in English.			

For code 00000 the PTY display should be kept blank. The same applies to Tables A.1 to A.20.

NOTE 1 Table 7 is co-ordinated with the Programme Type codes used in DAB (except for codes 30 and 31, not used by DAB), see ETSI EN 300 401.

NOTE 2 Different PTY codes are specified for RBDS – see IEC 62106-7.

Table 8 defines the meaning in the English language of the terms used in Table 7 to denote Programme Type. These definitions can slightly differ between various language versions.

Table 8 – Definition of the terms used to denote Programme Type (PTY) *(1 of 2)*

1	**News**	Short accounts of facts, events and publicly expressed views, reportage and actuality.
2	**Current affairs**	Topical programme expanding or enlarging upon the news, generally in different presentation style or concept, including debate, or analysis.
3	**Information**	Programme, the purpose of which is to impart advice in the widest sense.
4	**Sport**	Programme concerned with any aspect of sport.
5	**Education**	Programme intended primarily to educate, of which the formal element is fundamental.
6	**Drama**	All radio plays and serials.
7	**Culture**	Programmes concerned with any aspect of national or regional culture, including language, theatre, etc.
8	**Science**	Programmes about the natural sciences and technology.
9	**Varied**	Used for mainly speech-based programmes usually of light-entertainment nature, not covered by other categories. Examples include: quizzes, panel games, personality interviews.
10	**Pop**	Commercial music, which would generally be considered to be of current popular appeal, often featuring in current or recent record sales charts.
11	**Rock**	Contemporary modern music, usually written and performed by young musicians.
12	**Easy listening**	Current contemporary music considered to be "easy-listening", as opposed to Pop, Rock or Classical, or one of the specialized music styles, Jazz, Folk or Country. Music in this category is often, but not always, vocal, and usually of short duration.
13	**Light classics**	Classical music for general, rather than specialist appreciation. Examples of music in this category are instrumental music, and vocal or choral works.
14	**Serious classics**	Performances of major orchestral works, symphonies, chamber music, etc., including opera.
15	**Other music**	Musical styles not fitting into any of the other categories. Particularly used for specialist music of which Rhythm and Blues and Reggae are examples.
16	**Weather**	Weather reports and forecasts and meteorological information.
17	**Finance**	Stock market reports, commerce, trading, etc.
18	**Children's programmes**	For programmes targeted at a young audience, primarily for entertainment and interest, rather than where the objective is to educate.
19	**Social affairs**	Programmes about people and things that influence them individually or in groups. Includes: sociology, history, geography, psychology and society.
20	**Religion**	Any aspect of beliefs and faiths, involving a God or gods, the nature of existence and ethics.

Table 8 *(2 of 2)*

21	**Phone in**	Involving members of the public expressing their views either by phone or at a public forum.
22	**Travel** [a]	Features and programmes concerned with travel to near and far destinations, package tours and travel ideas and opportunities.
23	**Leisure**	Programmes concerned with recreational activities in which the listener might participate. Examples include gardening, fishing, antique collecting, cooking, food and wine, etc.
24	**Jazz music**	Polyphonic, syncopated music characterized by improvisation.
25	**Country music**	Songs which originate from or continue the musical tradition of the American Southern States. Characterized by a straightforward melody and narrative story line.
26	**National music**	Current popular music of the Nation or Region in that country's language, as opposed to International 'Pop' which is usually US or UK inspired and in English.
27	**Oldies music**	Music from the so-called "golden age" of popular music.
28	**Folk music**	Music which has its roots in the musical culture of a particular nation, usually played on acoustic instruments. The narrative or story may be based on historical events or people.
29	**Documentary**	Programme concerned with factual matters, presented in an investigative style.
30	**Alarm test**	Broadcast when testing emergency broadcast equipment or receivers. Not intended for searching or dynamic switching for consumer receivers. Receivers may, if desired, display "TEST" or "Alarm test".
31	**Alarm**	Emergency announcement made under exceptional circumstances to give warning of events causing danger of a general nature. Not to be used for searching, only used in a receiver for dynamic switching.
[a]	For announcements about problems, delays, or roadworks affecting immediate travel, TP/TA shall be used.	

Annex A
(informative)

Translated PTY terms

Tables A.1 to A.20 give listings of the PTY code terms defined in 5.4 in the English language translated into the appropriate language of the end user of the receiver and for presentation on the display into the language chosen by the user during the receiver's set-up process. The PTY terms can be used either as a term expressed in 8 characters or 16 characters, whichever is more appropriate to be used on the display.

If the display receiver supports UTF-8 coded text, which will be increasingly used in RDS (LPS and eRT), then it should also be possible to display all the special characters used by the languages of the tables that follow. The PTYs are only a 5-bit code. The meaning of the codes in those language terms listed shall therefore be stored in receiver memory.

It is important to observe that LARGE LETTERS (upper case) and small letters (lower case) are used and that 'spaces' are clearly shown using the "_" (underscore) notation. Not all receivers can display both LARGE LETTERS and small letters, but they are recommended, so that receivers which do display both can benefit from the enhanced readability of their use.

Table A.1 – PTY code descriptions and abbreviations in Bulgarian

	English	Bulgarian	Bulgarian	Bulgarian
Number	**Programme type**	**Programme type term**	**8-character display**	**16-character display**
0	No programme type or undefined	**БЕЗ ИМЕ**		
1	News	**НОВИНИ**	**НОВИНИ**	**НОВИНИ**
2	Current Affairs	**АКТУАЛНО ПРЕДАВАНЕ**	**АКТУАЛНО**	**АКТУАЛНО**
3	Information	**ИНФОРМАЦИЯ**	**ИНФО**	**ИНФОРМАЦИЯ**
4	Sport	**СПОРТ**	**СПОРТ**	**СПОРТ**
5	Education	**ОБРАЗОВАНИЕ**	**ЗНАНИЕ**	**ОБРАЗОВАНИЕ**
6	Drama	**РАДИО ТЕАТЪР**	**Р_ТЕАТЪР**	**РАДИО_ТЕАТЪР**
7	Culture	**КУЛТУРА**	**КУЛТУРА**	**КУЛТУРА**
8	Science	**НАУКА**	**НАУКА**	**НАУКА**
9	Varied	**РАЗНИ РАЗВЛЕЧЕНИЕ**	**РАЗНИ**	**РАЗВЛЕЧЕНИЕ**
10	Pop Music	**ПОП МУЗИКА**	**ПОП**	**ПОП_МУЗИКА**
11	Rock Music	**РОК МУЗИКА**	**РОК**	**РОК_МУЗИКА**
12	Easy Listening Music	**МУЗИКА ЗА РЕЛАКС**	**РЕЛАКС**	**МУЗИКА_ЗА_ РЕЛАКС**
13	Light Classical Music	**ЛЕКА КЛАСИКА**	**КЛАСИКА**	**ЛЕКА_КЛАСИКА**
14	Serious Classical Music	**КЛАСИКА**	**КЛАСИКА**	**КЛАСИКА**
15	Other Music	**МУЗИКА**	**МУЗИКА**	**МУЗИКА**
16	Weather	**ПРОГНОЗА ЗА ВРЕМЕТО**	**ВРЕМЕТО**	**ВРЕМЕТО**
17	Finance	**ИКОНОМИКА**	**БИЗНЕС**	**ИКОНОМИКА**
18	Children's Programmes	**ПРЕДАВАНЕ ЗА ДЕЦА**	**ЗА_ДЕЦА**	**ЗА_ДЕЦАТА**
19	Social Affairs	**ОБЩЕСТВО**	**ОБЩЕСТВО**	**ОБЩЕСТВО**
20	Religion	**РЕЛИГИЯ**	**РЕЛИГИЯ**	**РЕЛИГИЯ**
21	Phone In	**СЛУШАТЕЛСКО ВКЛЮЧВАНЕ ОТКРИТА ЛИНИЯ**	**СЛУШАТЕЛ**	**ОТКРИТА_ЛИНИЯ**
22	Travel	**ТУРИЗЪМ**	**ТУРИЗЪМ**	**ТУРИЗЪМ**
23	Leisure	**ХОБИ СВОБОДНО ВРЕМЕ**	**ХОБИ**	**СВОБОДНО_ВРЕМЕ**
24	Jazz Music	**ДЖАЗ**	**ДЖАЗ**	**ДЖАЗ**
25	Country Music	**КЪНТРИ МУЗИКА**	**КЪНТРИ**	**КЪНТРИ_МУЗИКА**
26	National Music	**БЪЛГАРСКА МУЗИКА**	**БГ_МУЗ**	**БЪЛГАРСКА_МУЗИКА**
27	Oldies Music	**РЕТРО МУЗИКА**	**РЕТРО**	**РЕТРО_МУЗИКА**
28	Folk Music	**НАРОДНА МУЗИКА**	**НАРОДНА**	**НАРОДНА_МУЗИКА**
29	Documentary	**ДОКУМЕНТАЛИСТИКА**	**ДОКУМЕНТ**	**ДОКУМЕНТАЛИСТИКА**
30	Alarm Test	**ВНИМАНИЕ ТЕСТ**	**ВНИМАНИЕ**	**ВНИМАНИЕ_ТЕСТ**
31	Alarm	**ТРЕВОГА**	**ТРЕВОГА!**	**ТРЕВОГА!**

Table A.2 – PTY code descriptions and abbreviations in Croatian

Number	English Programme type	Croatian Programme type term	Croatian 8-character display	Croatian 16-character display
0	No programme type or undefined	Neodređeno		
1	News	Vijesti	Vijesti	Vijesti
2	Current Affairs	Aktualna događanja	Aktualno	Aktualno
3	Information	Obavijesti	Info	Obavijesti
4	Sport	Sport	Sport	Sport
5	Education	Obrazovanje	Obrazov.	Obrazovanje
6	Drama	Drama	Drama	Drama
7	Culture	Kultura	Kultura	Kultura
8	Science	Znanost	Znanost	Znanost
9	Varied	Razno	Razno	Razno
10	Pop Music	Pop glazba	Pop	Pop_glazba
11	Rock Music	Rock glazba	Rock	Rock_glazba
12	Easy Listening Music	Zabavna glazba	Zabavna	Zabavna_glazba
13	Light Classical Music	Lagana klasična glazba	Klasika	Lagana_klasična
14	Serious Classical Music	Ozbiljna glazba	Ozbiljna	Ozbiljna_glazba
15	Other Music	Ostala glazba	Glazba	Ostala_glazba
16	Weather	Vrijeme	Vrijeme	Vrijeme
17	Finance	Financije	Financij.	Financije
18	Children's Programmes	Dječji program	Dječji_p	Dječji_program
19	Social Affairs	Društvena događanja	Društvo	Društvena_događ
20	Religion	Religija	Religija	Religija
21	Phone In	Kontakt program	Kontakt	Kontakt_program
22	Travel	Putovanja	Putovanja	Putovanja
23	Leisure	Slobodno vrijeme	Slobodno	Slobodno_vrijeme
24	Jazz Music	Jazz glazba	Jazz	Jazz_glazba
25	Country Music	Country glazba	Country	Country_glazba
26	National Music	Domaća glazba	Domaća_g	Domaća_glazba
27	Oldies Music	Stari hitovi	Stari_hi	Stari_hitovi
28	Folk Music	Narodna glazba	Narodna	Narodna_glazba
29	Documentary	Dokumentarno	Dokumen.	Dokumentarno
30	Alarm Test	Testni alarm	TEST	Testni_alarm_!
31	Alarm	Alarm	Alarm_!	Alarm_!

Table A.3 – PTY code descriptions and abbreviations in Czech

Number	English Programme type	Czech Programme type term	Czech 8-character display	Czech 16-character display
0	No programme type or undefined	Nedefinovaný program		
1	News	Zprávy	Zpravy	Zpravy
2	Current Affairs	Publicistika	Publicis	Publicistika
3	Information	Informace	Info	Informace
4	Sport	Sport	Sport	Sport
5	Education	Vzdělání	Vzdelani	Vzdelani
6	Drama	Drama	Drama	Drama
7	Culture	Kultura	Kultura	Kultura
8	Science	Věda	Veda	Veda
9	Varied	Různé	Ruzne	Ruzne Zanry
10	Pop Music	Pop Music	Pop M	Popova Hudba
11	Rock Music	Rock Music	Rock M	Rockova Hudba
12	Easy Listening Music	Oddychová hudba	Oddych	Oddychova Hudba
13	Light Classical Music	Klasika	Klasika	Klasicka Hudba
14	Serious Classical Music	Vážná hudba	Vázna H	Vazna Hudba
15	Other Music	Jiná hudba	Jina H	Jina Hudba
16	Weather	Počasí	Pocasi	Pocasi
17	Finance	Finance	Finance	Finance
18	Children's Programmes	Dětský program	Detsky P	Detsky Program
19	Social Affairs	Společenská tematika	Komunit.	Spolecenska Tem.
20	Religion	Náboženská tematika	Vira	Nabozens. Temata
21	Phone In	Telefonáty	Telefony	Telefonaty
22	Travel	Cestování	Cestov.	Cestovani
23	Leisure	Zábava	Zabava	Zabava
24	Jazz Music	Jazzová hudba	Jazz	Jazzova Hudba
25	Country Music	Country hudba	Country	Country Hudba
26	National Music	Národní hudba	Narodni	Narodni Hudba
27	Oldies Music	Oldies hudba	Oldies	Oldies Hudba
28	Folk Music	Folková hudba	Folk	Folkova Hudba
29	Documentary	Dokumentární program	Dokum.	Dokumenty
30	Alarm Test	Alarm TEST	TEST	Alarm Test
31	Alarm	Alarm	Alarm !	Alarm – Alarm !

Table A.4 – PTY code descriptions and abbreviations in Danish

	English	Danish	Danish	Danish
Number	Programme type	Programme type	8-character display	16-character display
0	No programme type or undefined	Ej defineret		
1	News	Nyheder	Nyheder	Korte_nyheder
2	Current Affairs	Aktuelt	Aktuelt	Nyh._og_baggrund
3	Information	Almen information	Info	Almen_Info
4	Sport	Sport	Sport	Sport
5	Education	Undervisning	Udd.	Uddannelse
6	Drama	Drama	Drama	Drama
7	Culture	Kultur	Kultur	Kultur
8	Science	Videnskab	Vid.skab	Videnskab
9	Varied	Varieret underholdning	Bl.Undh	Underholdning
10	Pop Music	Pop musik	Pop	PopMusik
11	Rock Music	Rock musik	Rock	Rockmusik
12	Easy Listening Music	Underholdnings musik	Undh.Mus	Uhld.Musik
13	Light Classical Music	Let Klassisk musik	LetKlass	Let_klassisk
14	Serious Classical Music	Klassisk musik	Klassisk	Klassisk
15	Other Music	Blandet musik	Bla_ Mus	Blandet_Musik
16	Weather	Vejrudsigt	Vejr	Vejr
17	Finance	Økonimi & Erhverv	Økonomi	Økonomi&erhverv
18	Children's Programmes	Børne programmer	For_børn	Børneprogram
19	Social Affairs	Program om sociale emner	Social	Social_prg.
20	Religion	Kirke & Tro	Religion	Kirke_&_Tro
21	Phone In	Telefon program	Tlf.prg	Tlf._Prg.
22	Travel	Rejser & Ferie	Rejser	Rejser_og_ferie
23	Leisure	Hobby & Fritid	Fritid	Hobby_og_fritid
24	Jazz Music	Jazz musik	Jazz	Jazzmusik
25	Country Music	Country musik	Country	Countrymusik
26	National Music	Dansktop musik	Dansktop	Dansktop_musik
27	Oldies Music	Gamle kendinge	Oldies	Gamle_kendinge
28	Folk Music	Folke musik	FolkMus	Folkemusik
29	Documentary	Dokumentar program	Doku.prg	Dokummentar
30	Alarm Test	Alarm test	Alrmtest	Alarm_test
31	Alarm	Alarm	Alarm	Alarm

Table A.5 – PTY code descriptions and abbreviations in Dutch

Number	English Programme type	Dutch Programme type	Dutch 8-character display	Dutch 16-character display
0	No programme type or undefined	niet gedefinieerd		
1	News	Nieuws	Nieuws	Nieuws
2	Current Affairs	Actualiteit	Actueel	Actualiteit
3	Information	Informatie	Info	Informatie
4	Sport	Sport	Sport	Sport
5	Education	Educatie	Educat.	Educatie
6	Drama	Drama	Drama	Drama
7	Culture	Cultuur	Cultuur	Cultuur
8	Science	Wetenschap	Wetensch	Wetenschap
9	Varied	Varia en gesprekken	Varia	Varia
10	Pop Music	Pop	Pop	Popmuziek
11	Rock Music	Rock	Rock	Rockmuziek
12	Easy Listening Music	Melodie: ontspanningsmuziek	Melodie	Melodie
13	Light Classical Music	Licht klassiek	Licht _ Kl	Licht _ klassiek
14	Serious Classical Music	Klassiek	Klassiek	Klassieke _ muziek
15	Other Music	Overige muziek	Muziek	Muziek
16	Weather	Weerbericht	Het _ weer	Het _ weer
17	Finance	Economie	Economie	Economie
18	Children's Programmes	Voor kinderen	Kinderen	Voor _ kinderen
19	Social Affairs	Maatschappelijk	Maatsch.	Maatschappelijk
20	Religion	Religie	Religie	Religie
21	Phone In	Doe mee !	Doe _ mee	Doe _ mee _ !
22	Travel	Reizen	Reizen	Reizen
23	Leisure	Vrije tijd	Vrije _ T.	Vrije _ tijd
24	Jazz Music	Jazz	Jazz	Jazz
25	Country Music	Country	Country	Countrymuziek
26	National Music	Nationale muziek	Eigen _ M	Nationale _ muziek
27	Oldies Music	Gouwe Ouwe	Goud	Gouwe _ ouwe
28	Folk Music	Volksmuziek	Folk	Volksmuziek
29	Documentary	Documentaires	Document	Documentaires
30	Alarm Test	Alarmtest	Test	Alarmtest
31	Alarm	Alarm	Alarm	Alarm _ ! _ ALARM _ !

Table A.6 – PTY code descriptions and abbreviations in Estonian

Number	English Programme type	Estonian Programme type term	Estonian 8-character display	Estonian 16-character display
0	No programme type or undefined	**Programmi tüüp puudub**		
1	News	**Uudised**	**Uudised**	**Uudised**
2	Current Affairs	**Päevakajalised teemad**	**Magasin**	**Päevakajalist**
3	Information	**Informatsioon**	**Teated**	**Teated**
4	Sport	**Spordisaade**	**Sport**	**Sport**
5	Education	**Haridussaade**	**Haridus**	**Haridus**
6	Drama	**Kuuldemäng**	**Draama**	**Kuuldemäng**
7	Culture	**Kultuurisaade**	**Kultuur**	**Kultuur**
8	Science	**Teadussaade**	**Teadus**	**Teadus**
9	Varied	**Mitmesugused teemad**	**Varia**	**Varia**
10	Pop Music	**POP muusika**	**POP**	**POP**
11	Rock Music	**ROCK muusika**	**ROCK**	**ROCK**
12	Easy Listening Music	**Meeleolumuusika**	**MEELEOLU**	**MEELEOLUMUUSIKA**
13	Light Classical Music	**Kerge klassikaline muusika**	**KERGE_KL**	**KERGE_KLASSIKA**
14	Serious Classical Music	**Klassikaline muusika**	**KLASSIKA**	**KLASSIKA**
15	Other Music	**Muu muusika**	**MUUSIKA**	**MUU_MUUSIKA**
16	Weather	**Ilmateade**	**Ilm**	**Ilmateade**
17	Finance	**Majandussaade**	**Majandus**	**Majandus**
18	Children's Programmes	**Lastesaade**	**Lastele**	**Lastesaade**
19	Social Affairs	**Sotsiaalsaated**	**Ühiskond**	**Ühiskonnaelu**
20	Religion	**Ususaade**	**Ususaade**	**Ususaade**
21	Phone In	**Telefonikontakt**	**Telefon**	**Avatud_eeter**
22	Travel	**Reisisaade**	**Reisid**	**Reisisaade**
23	Leisure	**Vaba aeg ja hobid**	**Vaba_aeg**	**Vaba_aeg,_hobid**
24	Jazz Music	**Jazzmuusika**	**DZÄSS**	**DZÄSS**
25	Country Music	**Kantrimuusika**	**KANTRI**	**KANTRI**
26	National Music	**Rahvamuusika**	**ETNO**	**RAHVAMUUSIKA**
27	Oldies Music	**Retromuusika**	**RETRO**	**RETRO**
28	Folk Music	**Folkmuusika**	**FOLK**	**FOLK**
29	Documentary	**Dokumentaalsaade**	**Dokument**	**Dokumentaalsaade**
30	Alarm Test	**Häire test**	**Test**	**Häire_test**
31	Alarm	**Häire**	**Häire!**	**Häire-Häire!**

Table A.7 – PTY code descriptions and abbreviations in Finnish

Number	English Programme type	Finnish Programme type	Finnish 8-character display	Finnish 16-character display
0	No programme type or undefined	Ei ohjelmatyyppiä		
1	News	Uutiset	UUTISET	UUTISET
2	Current Affairs	Ajankohtaista	AJANKOHT	AJANKOHTAISTA
3	Information	Tiedotuksia	TIEDOTUS	TIEDOTUKSIA
4	Sport	Urheilu	URHEILU	URHEILU
5	Education	Opetus	OPETUS	OPETUS
6	Drama	Kuunnelma	KUUNN.	KUUNNELMA
7	Culture	Kulttuuri	KULTT.	KULTTUURI
8	Science	Tiede	TIEDE	TIEDE
9	Varied	Puheviihde	P-VIIHDE	PUHEVIIHDE
10	Pop Music	Pop-musiikki	POP	POP
11	Rock Music	Rock-musiikki	ROCK	ROCK
12	Easy Listening Music	Kevyt musiikki	KEVYTTÄ	KEVYT_MUSIIKKI
13	Light Classical Music	Kevyt klassinen musiikki	K._KLASS	KEVYT_KLASSINEN
14	Serious Classical Music	Klassinen musiikki	KLASS.	KLASSINEN
15	Other Music	Muu musiikki	MUU_MUS.	MUU_MUSIIKKI
16	Weather	Säätiedotus	SÄÄ	SÄÄTIEDOTUS
17	Finance	Talousohjelma	TALOUS	TALOUSOHJELMA
18	Children's Programmes	Lastenohjelma	LAPSILLE	LASTENOHJELMA
19	Social Affairs	Yhteiskunta	YHTKUNTA	YHTEISKUNTA
20	Religion	Uskonto	USKONTO	USKONTO
21	Phone In	Yleisökontakti	KONTAKTI	YLEISÖKONTAKTI
22	Travel	Matkailu	MATKAILU	MATKAILU
23	Leisure	Vapaa-aika	VAP.AIKA	VAPAA-AIKA
24	Jazz Music	Jazz-musiikki	JAZZ	JAZZ
25	Country Music	Country-musiikki	COUNTRY	COUNTRY
26	National Music	Kotimainen musiikki	KOTIM.	KOTIM._MUSIIKKI
27	Oldies Music	Aikuisten musiikki	OLDIES	OLDIES
28	Folk Music	Kansanmusiikki	KANSANM.	KANSANMUSIIKKI
29	Documentary	Dokumentti	DOKUM.	DOKUMENTTI
30	Alarm Test	Hälytys testi	HÄL.TEST	HÄLYTYS_TESTI
31	Alarm	Hälytys	HÄLYTYS	HÄLYTYS

Table A.8 – PTY code descriptions and abbreviations in French

	English	French	French	French
Number	Programme type	Programme type	8-character display	16-character display
0	No programme type or undefined	Codification de programme non utilisée ou genre non défini		
1	News	Informations	Infos	Informations
2	Current Affairs	Magazine	Magazine	Magazine
3	Information	Info-Service	Services	Info-Service
4	Sport	Sport	Sport	Sport
5	Education	Education	Educatif	Educatif
6	Drama	Dramatique	Fiction	Fiction
7	Culture	Culture	Culture	Culture
8	Science	Sciences	Sciences	Sciences
9	Varied	Divertissement	Divers	Divertissement
10	Pop Music	Pop	M _ Pop	Musique _ Pop
11	Rock Music	Rock	M _ Rock	Musique _ Rock
12	Easy Listening Music	Chansons	Chansons	Chansons
13	Light Classical Music	Classique Léger	M _ Cl _ Lég	Classique _ Léger
14	Serious Classical Music	Musique Classique	Classiq	MusiqueClassique
15	Other Music	Autre Musique	Autre _ M	Autre _ Musique
16	Weather	Météo	Météo	Météo
17	Finance	Economie et Finances	Economie	Economie
18	Children's Programmes	Programmes pour enfants	Enfants	Enfants
19	Social Affairs	Société	Société	Société
20	Religion	Religion	Religion	Religion
21	Phone In	Ligne ouverte et interactivité	Forum	Ligne _ ouverte
22	Travel	Voyages	Voyages	Voyages
23	Leisure	Loisirs	Loisirs	Loisirs
24	Jazz Music	Musique de jazz	Jazz	Jazz
25	Country Music	Musique de country	Country	Country
26	National Music	Chansons du pays	Ch _ pays	Chanson _ du _ pays
27	Oldies Music	Musique rétro	Rétro	Musique _ rétro
28	Folk Music	Musique folklorique	Folklore	Folklore
29	Documentary	Documentaire	Document	Documentaire
30	Alarm Test	Test d'alarme	TEST	TEST
31	Alarm	Alerte	Alerte _ !	Alerte _ !

Table A.9 – PTY code descriptions and abbreviations in German

	English	German	German	German
Number	Programme type	Programme type	8-character display	16-character display
0	No programme type or undefined	Keine Programmartkennung		
1	News	Nachrichtendienst	Nachrich	Nachrichten
2	Current Affairs	Politik und Zeitgeschehen	Aktuell	Aktuelle _ Info
3	Information	Service Programm	Service	Service _ Programm
4	Sport	Sport	Sport	Sport
5	Education	Lernen und Weiterbildung	Bildung	Bildung
6	Drama	Hörspiel und Literatur	Hör+Lit	Hörspiel _ + _ Lit
7	Culture	Kultur, Kirche und Gesellschaft	Kultur	Kultur+Gesellsch
8	Science	Wissenschaft	Wissen	Wissenschaft
9	Varied	Unterhaltendes Wort	Unterh	Unterhaltung
10	Pop Music	Popmusik	Pop	Pop _ Musik
11	Rock Music	Rockmusik	Rock	Rock _ Musik
12	Easy Listening Music	Unterhaltungsmusik	U-Musik	Unterhalt _ Musik
13	Light Classical Music	Leichte klassische Musik	L-Musik	Leichte _ Klassik
14	Serious Classical Music	Ernste klassische Musik	E-Musik	Ernste _ Klassik
15	Other Music	Spezielle Musikprogramme	Musik	Spezielle _ Musik
16	Weather	Wetter	Wetter	Wetter
17	Finance	Wirtschaft	Wirtsch	Wirtschaft
18	Children's Programmes	Kinderprogramm	Kinder	Kinderprogramm
19	Social Affairs	Soziales	Soziales	Soziales
20	Religion	Religion	Religion	Religion
21	Phone In	Anrufsendung	Anruf	Anrufsendung
22	Travel	Reiseinformation	Reise	Reiseinformation
23	Leisure	Freizeit	Freizeit	Freizeit
24	Jazz Music	Jazz	Jazz	Jazz
25	Country Music	Countrymusik	Country	Country _ Musik
26	National Music	Musik des Landes	Landes _ M	Landesmusik
27	Oldies Music	Oldiemusik	Oldies	Oldies _ Musik
28	Folk Music	Folklore	Folklore	Folklore
29	Documentary	Feature	Feature	Feature
30	Alarm Test	Alarmtest	Test	Alarm _ Test
31	Alarm	Alarm	Alarm!	Alarm! _ Alarm!

Table A.10 – PTY code descriptions and abbreviations in Hungarian

Number	English Programme type	Hungarian Programme type	Hungarian 8-character display	Hungarian 16-character display
0	No programme type or undefined	Nincs program típus		
1	News	Hírek	hírek	hírek
2	Current Affairs	Magazin	magazin	magazin_műsor
3	Information	Információ	inform	információ
4	Sport	Sport	sport	sport
5	Education	Oktatás	oktatás	oktatás
6	Drama	Hangjáték	hangjáté	hangjáték
7	Culture	Kultúra	kultúra	kultúra
8	Science	Tudományos műsor	tudomány	tudományos_műsor
9	Varied	Vegyes	vegyes	vegyes
10	Pop Music	Popzene	popzene	popzene
11	Rock Music	Rockzene	rockzene	rockzene
12	Easy Listening Music	Könnyűzene	könnyűze	könnyűzene
13	Light Classical Music	Klasszikus zene	kla_zene	klasszikus_zene
14	Serious Classical Music	Komolyzene	komolyze	komolyzene
15	Other Music	Egyéb zene	más_zene	egyéb_zene
16	Weather	Időjárás	időjárás	időjárás
17	Finance	Pénzügyi, gazdasági műsor	pénz_gaz	pénzügy_gazdaság
18	Children's Programmes	Gyermekműsor	gyermek	gyermekműsor
19	Social Affairs	Társadalmi ügyek	társ_ügy	társadalmi_ügyek
20	Religion	Vallási műsor	vallás	vallási_műsor
21	Phone In	Telefonos műsor	telefon	telefonos_műsor
22	Travel	Utazási információk	utazás	utazási_infó
23	Leisure	Szabadidő	szab_idő	szabadidő
24	Jazz Music	Jazz	jazz	jazz
25	Country Music	Countryzene	country	countryzene
26	National Music	Nemzeti zene	nemz_zen	nemzeti zene
27	Oldies Music	Oldies zene	oldies	oldies zene
28	Folk Music	Népzene	népzene	népzene
29	Documentary	Dokumentumműsor	dokument	dokumentumműsor
30	Alarm Test	Riasztási teszt	teszt	Riasztási_teszt
31	Alarm	Riadó	Riadó!	Riadó! _ Riadó!

Table A.11 – PTY code descriptions and abbreviations in Italian

	English	Italian	Italian	Italian
Number	**Programme type**	**Programme type**	**8-character display**	**16-character display**
0	No programme type or undefined	**Non trasmesso / non definito**		
1	News	**Ultime Notizie**	**NOTIZIE**	**NOTIZIARIO**
2	Current Affairs	**Attualità, Magazine**	**MAGAZINE**	**MAGAZINE**
3	Information	**Informazioni**	**INFO**	**INFORMAZIONI**
4	Sport	**Notizie Sportive**	**SPORT**	**SPORT**
5	Education	**Programmi Educativi**	**EDU**	**EDUCAZIONE**
6	Drama	**Commedia e Teatro**	**PROSA**	**PROSA**
7	Culture	**Programmi Culturali**	**CULTURA**	**CULTURA**
8	Science	**Programmi Scientifici**	**SCIENZA**	**SCIENZA**
9	Varied	**Vari Generi**	**VARI**	**VARI_GENERI**
10	Pop Music	**Musica Pop**	**POP**	**MUSICA_POP**
11	Rock Music	**Musica Rock**	**ROCK**	**MUSICA_ROCK**
12	Easy Listening Music	**Musica Leggera**	**LEGGERA**	**MUSICA_LEGGERA**
13	Light Classical Music	**Musica Classica Leggera**	**CLAS_LEG**	**CLASSICA_LEGGERA**
14	Serious Classical Music	**Musica Classica**	**CLASSICA**	**MUSICA_CLASSICA**
15	Other Music	**Altri Generi di Musica**	**MUSICA**	**MUSICA_VARIA**
16	Weather	**Previsioni del Tempo**	**METEO**	**METEO**
17	Finance	**Economia e Finanza**	**ECONOMIA**	**ECONOMIA**
18	Children's Programmes	**Programmi per Ragazzi**	**RAGAZZI**	**RAGAZZI**
19	Social Affairs	**Programmi Sociali**	**SOCIETA'**	**SOCIETA'**
20	Religion	**Programmi Religiosi**	**RELIG**	**RELIGIONE**
21	Phone In	**Forum, Opinioni**	**OPINIONI**	**OPINIONI**
22	Travel	**Viaggi**	**VIAGGI**	**VIAGGI_E_TURISMO**
23	Leisure	**Svago**	**SVAGO**	**SVAGO**
24	Jazz Music	**Musica Jazz**	**JAZZ**	**MUSICA_JAZZ**
25	Country Music	**Musica Country**	**COUNTRY**	**MUSICA_COUNTRY**
26	National Music	**Musica Italiana**	**ITALIANA**	**MUSICA_ITALIANA**
27	Oldies Music	**Vecchi Successi**	**REVIVAL**	**REVIVAL**
28	Folk Music	**Musica Popolare**	**FOLK**	**MUSICA_FOLK**
29	Documentary	**Documentari**	**DOCUMENT**	**DOCUMENTARI**
30	Alarm Test	**Test di Allarme**	**TEST**	**TEST_ALLARME**
31	Alarm	**Allarme**	**ALLARME!**	**!!ALLARME!!**