

# ETSI TS 101 756 V1.5.1 (2013-08)



Technical Specification

## Digital Audio Broadcasting (DAB); Registered Tables

European Broadcasting Union



Union Européenne de Radio-Télévision

EBU-UER

**DAB**  
Digital Audio Broadcasting

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**Reference**

RTS/JTC-DAB-69

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**Keywords**audio, broadcast, broadcasting, DAB, digital,  
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## Foreword

This Technical Specification (TS) has been produced by Joint Technical Committee (JTC) Broadcast of the European Broadcasting Union (EBU), Comité Européen de Normalisation ELECTrotechnique (CENELEC) and the European Telecommunications Standards Institute (ETSI).

NOTE 1: The EBU/ETSI JTC Broadcast was established in 1990 to co-ordinate the drafting of standards in the specific field of broadcasting and related fields. Since 1995 the JTC Broadcast became a tripartite body by including in the Memorandum of Understanding also CENELEC, which is responsible for the standardization of radio and television receivers. The EBU is a professional association of broadcasting organizations whose work includes the co-ordination of its members' activities in the technical, legal, programme-making and programme-exchange domains. The EBU has active members in about 60 countries in the European broadcasting area; its headquarters is in Geneva.

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The Eureka Project 147 was established in 1987, with funding from the European Commission, to develop a system for the broadcasting of audio and data to fixed, portable or mobile receivers. Their work resulted in the publication of European Standard, EN 300 401 [1], for DAB (see note 2) which now has worldwide acceptance.

NOTE 2: DAB is a registered trademark owned by one of the Eureka Project 147 partners.

The DAB family of standards is supported by World DMB, an organization with members drawn from broadcasting organizations and telecommunication providers together with companies from the professional and consumer electronics industry.

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# 1 Scope

The present document contains a number of tables for use in the implementation of the Digital Audio Broadcasting (DAB), system [1] and the related Multimedia Object Transfer (MOT) standard [4]. The tables in the present document are maintained by the WorldDAB Information and Registration Centre (WorldDAB IRC), 7 Swallow Place, London, W1B 2AG, England. The WorldDAB IRC apply an easy procedure for registering new values, to ensure that they may be used without the need to change the so-called "main DAB standard" EN 300 401 [1].

The procedure for registering a new value in an existing table or the registration of a new table in the present document is described in clause 4.

---

# 2 References

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the reference document (including any amendments) applies.

Referenced documents which are not found to be publicly available in the expected location might be found at <http://docbox.etsi.org/Reference>.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

## 2.1 Normative references

The following referenced documents are necessary for the application of the present document.

- [1] ETSI EN 300 401 (V1.4.1): "Radio broadcasting systems; Digital Audio Broadcasting (DAB) to mobile, portable and fixed receivers".
- [2] CENELEC EN 62106: "Specification of the Radio Data System (RDS) for VHF/FM sound broadcasting in the frequency range from 87,5 MHz to 108,0 MHz".
- [3] ETSI ETS 300 250: "Television systems; Specification of the D2-MAC/Packet system".
- [4] ETSI EN 301 234: "Digital Audio Broadcasting (DAB); Multimedia Object Transfer (MOT) protocol".
- [5] IETF RFC 1521: "MIME (Multipurpose Internet Mail Extensions) Part One: Mechanisms for Specifying and Describing the Format of Internet Message Bodies".
- [6] IETF RFC 1945: "Hypertext Transfer Protocol - HTTP/1.0".
- [7] ISO/IEC 646: "Information technology - ISO 7-bit coded character set for information interchange".
- [8] ISO/IEC 8859-1: "Information technology - 8-bit single-byte coded graphic character sets - Part 1: Latin alphabet No. 1".
- [9] IETF RFC 1866: "Hypertext Markup Language - 2.0".
- [10] ISO/IEC 10918 (all parts): "Information technology - Digital compression and coding of continuous-tone still images".
- [11] ISO/IEC 11172-3: "Information technology - Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s - Part 3: Audio".
- [12] ISO/IEC 13818-3: "Information technology - Generic coding of moving pictures and associated audio information - Part 3: Audio".

- [13] Recommendation ITU-T G.711: "Pulse Code Modulation (PCM) of voice frequencies".
- [14] ISO/IEC 14496-3: "Information technology - Coding of audio-visual objects - Part 3: Audio".
- [15] ISO/IEC 11172-2: "Information technology - Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s Part 2: Video".
- [16] ISO/IEC 13818-2: "Information technology - Generic coding of moving pictures and associated audio information - Part 2: Video".

NOTE: It is also standardized by ITU-T as Recommendation H.262.

- [17] ISO/IEC 14496-2: "Information technology - Coding of audio-visual objects - Part 2: Visual".
- [18] Recommendation ITU-T H.263: "Video coding for low bit rate communication".
- [19] ISO/IEC 13522 (all parts): "Information technology - Coding of multimedia and hypermedia information".
- [20] ISO/IEC 15948: "Information technology - Computer graphics and image processing - Portable Network Graphics (PNG): Functional specification".
- [21] ETSI TS 101 498 (all parts): "Digital Audio Broadcasting (DAB); Broadcast website".
- [22] ETSI TS 101 499: "Digital Audio Broadcasting (DAB); MOT Slide Show User Application Specification".
- [23] ETSI TS 102 368: "Digital Audio Broadcasting (DAB); DAB-TMC (Traffic Message Channel)".
- [24] ETSI TS 102 818: "Digital Audio Broadcasting (DAB); Digital Radio Mondial (DRM); XML Specification for Electronic Programme Guide (EPG)".
- [25] ETSI TS 101 993: "Digital Audio Broadcasting (DAB); A Virtual Machine for DAB: DAB Java Specification".
- [26] ISO/IEC 10646: "Information technology - Universal Coded Character Set (UCS)".
- [27] IETF RFC 1950: "ZLIB Compressed Data Format Specification version 3.3".
- [28] IETF RFC 1952: "GZIP file format specification version 4.3".
- [29] ETSI TS 102 427: "Digital Audio Broadcasting (DAB); Data Broadcasting - MPEG-2 TS streaming".
- [30] ETSI TS 102 428: "Digital Audio Broadcasting (DAB); DMB video service; User Application Specification".
- [31] ETSI TS 102 978: "Digital Audio Broadcasting (DAB); IPDC Services; Transport specification".
- [32] ETSI TS 102 632: "Digital Audio Broadcasting (DAB); Voice applications".
- [33] ETSI TS 102 635 (all parts): "Digital Audio Broadcasting (DAB); Middleware".
- [34] ETSI TS 102 979: "Digital Audio Broadcasting (DAB); Journaline; User application specification".
- [35] GIF: "Graphics Interchange Format (GIF) Version 89a (1990)", CompuServe Incorporated.
- [36] JAVA: "The JAVA™ Language Environment", Sun Microsystems Inc.
- [37] ATRAC: "Adaptive Transform Acoustic Coding for MiniDisc", Sony Corporation.
- [38] BMP: "Microsoft Windows Bitmap (BMP)" Microsoft Corporation.
- [39] AIFF: "Audio Interchange File Format (AIFF)", Apple Computer, Incorporated.
- [40] ETSI TS 103 177: "Digital Audio Broadcasting (DAB); Filecasting; User application specification".

[41] ISO 32000-1: "Document management -- Portable document format -- Part 1: PDF 1.7".

## 2.2 Informative references

The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

Not applicable.

---

## 3 Abbreviations

For the purposes of the present document, the following abbreviations apply:

|              |  |
|--------------|--|
| ASCII        | American Standard Code for Information Interchange |
| DAB          | Digital Audio Broadcasting                         |
| DGPS         | Differential Global Positioning System             |
| DMB          | Digital Multimedia Broadcasting                    |
| DSCTy        | Data Service Component Type                        |
| EBU          | European Broadcasting Union                        |
| ECC          | Extended Country Codes                             |
| EPG          | Electronic Programme Guide                         |
| ETS          | European Telecommunication Standard                |
| EWS          | Emergency Warning System                           |
| FIG          | Fast Information Group                             |
| HTML         | Hyper Text Mark-up Language                        |
| IP           | Internet Protocol                                  |
| IPDC         | Internet Protocol DataCasting                      |
| ITTS         | Interactive Text Transmission System               |
| ITU          | International Telecommunications Union             |
| JFIF         | JPEG File Interchange Format                       |
| MHEG         | Multimedia and Hypermedia Experts Group            |
| MOT          | Multimedia Object Transfer                         |
| MPEG         | Moving Pictures Expert Group                       |
| PAD          | Programme Associated Data                          |
| PNG          | Portable Network Graphics                          |
| PTy          | Programme Type                                     |
| RBDS         | Radio Broadcasting Data System                     |
| RDS          | Radio Data System                                  |
| <i>rfu</i>   | reserved for future use                            |
| <i>tba</i>   | to be announced                                    |
| TDC          | Transparent Data Channel                           |
| TMC          | Traffic Message Channel                            |
| TPEG         | Transport Protocol Experts Group                   |
| UAType       | User Application type                              |
| UCS          | Universal Character Set                            |
| UTF          | Unicode Transformation Format                      |
| WorldDAB IRC | WorldDAB Information and Registration Centre       |
| X-PAD        | eXtended - Programme Associated Data               |

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## 4 Registration procedure

### 4.1 Registration authority

The content of the present document is maintained by WorldDAB Information and Registration Centre (WorldDAB IRC). 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:

WorldDAB Information and Registration Centre,  
55 New Oxford Street,  
LONDON,  
WC1A 1BS,  
England  
Tel: +44 20 7010 0742  
E-mail: [worlddab-irc@worlddab.org](mailto:worlddab-irc@worlddab.org)

### 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 WorldDAB Information and Registration Centre. 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 WorldDAB Information and Registration Centre will confirm that no numbering conflicts occur at this stage and circulate the proposal to WorldDAB Technical Committee 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 WorldDAB website. If there are adverse comments, then the application will be considered by WorldDAB Technical Committee at its next plenary meeting following the comment period. WorldDAB Information and Registration Centre 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 WorldDAB Technical Committee 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 WorldDAB website.

### 4.3 Registration of a new table

Applications for a **new** table to be defined shall be sent to the WorldDAB Information and Registration Centre. 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 WorldDAB Information and Registration Centre will prepare a briefing for the next WorldDAB Technical Committee plenary meeting and the applicant will be given an opportunity to describe their proposal and reasons for it. The decision of the WorldDAB Technical Committee 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 WorldDAB website.

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## 5 Registered tables in EN 300 401

### 5.1 General

Each table following is listed in clause number order of appearance in EN 300 401 [1].



## 5.2 Character sets (Charset)

See clause 5.2.2.2 of EN 300 401 [1].

Table 1 contains all *presently* registered character sets and their bit values used in the FIG type 1 data field. All the remaining values are reserved for future use.

**Table 1: Charset values**

| b <sub>7</sub> | b <sub>6</sub> | b <sub>5</sub> | b <sub>4</sub> | Character set (Charset)   |
|----------------|----------------|----------------|----------------|---|
| 0              | 0              | 0              | 0              | Complete EBU Latin based repertoire [2]                                     |
|                |                |                |                |   |
|                |                |                |                |   |
| 0              | 1              | 1              | 0              | ISO/IEC 10646 [26] using UCS-2 transformation format, big endian byte order |
| 1              | 1              | 1              | 1              | ISO/IEC 10646 [26] using UTF-8 transformation format                        |

Receivers shall support the complete EBU Latin based repertoire (code 0000) and should also support the appropriate characters for the intended target markets from ISO/IEC 10646 [26] using both UCS-2 and UTF-8 transformations (codes 0110 and 1111).

## 5.3 Data Service Component Type (DSCTy)

See clause 6.3.1 of EN 300 401 [1].

Table 2 contains all *presently* registered Data Service Component Types and their bit values. All the remaining values (not shown) are reserved for future use.

**Table 2: DSCTy types**

| b <sub>13</sub> | b <sub>12</sub> | b <sub>11</sub> | b <sub>10</sub> | b <sub>9</sub> | b <sub>8</sub> | Dec | DSCTy types                                 |
|-----------------|-----------------|-----------------|-----------------|----------------|----------------|-----|---|
| 0               | 0               | 0               | 0               | 0              | 0              | 0   | Unspecified data                            |
| 0               | 0               | 0               | 0               | 0              | 1              | 1   | Traffic Message Channel (TMC)               |
| 0               | 0               | 0               | 0               | 1              | 0              | 2   | Emergency Warning System (EWS)              |
| 0               | 0               | 0               | 0               | 1              | 1              | 3   | Interactive Text Transmission System (ITTS) |
| 0               | 0               | 0               | 1               | 0              | 0              | 4   | Paging                                      |
| 0               | 0               | 0               | 1               | 0              | 1              | 5   | Transparent Data Channel (TDC)              |
|                 |                 |                 |                 |                |                |     | <i>Rfu</i>                                  |
| 0               | 1               | 1               | 0               | 0              | 0              | 24  | MPEG-2 Transport Stream, see [29]           |
|                 |                 |                 |                 |                |                |     | <i>Rfu</i>                                  |
| 1               | 1               | 1               | 0               | 1              | 1              | 59  | Embedded IP packets                         |
| 1               | 1               | 1               | 1               | 0              | 0              | 60  | Multimedia Object Transfer (MOT)            |
| 1               | 1               | 1               | 1               | 0              | 1              | 61  | Proprietary service: no DSCTy signalled     |
| 1               | 1               | 1               | 1               | 1              | 0              | 62  | Not used                                    |
| 1               | 1               | 1               | 1               | 1              | 1              | 63  | Not used                                    |

## 5.4 Country Id

See clause 6.3.1 of EN 300 401 [1].

The following tables are separated into International Telecommunications Union (ITU) regions for convenience only; they contain Country Identifiers (Country Id) and the Extended Country Codes (ECC) - see annexes D and N of EN 62106 [2], and, for information, the ITU code. The Country Id codes and ECC are shown in their binary-coded hexadecimal form. Country identifier code "0" (hex) is not used.

NOTE: Lower case characters have been used where there is no known ITU code.

**Table 3: ITU Region 1 (European broadcasting area)**

| Country              | ITU code | ECC | Country Id |
|----------------------|----------|-----|------------|
| Albania              | ALB      | E0  | 9          |
| Algeria              | ALG      | E0  | 2          |
| Andorra              | AND      | E0  | 3          |
| Austria              | AUT      | E0  | A          |
| Azores (Portugal)    | AZR      | E0  | 8          |
| Belgium              | BEL      | E0  | 6          |
| Belarus              | BLR      | E3  | F          |
| Bosnia i Herzegovina | bih      | E4  | F          |
| Bulgaria             | BUL      | E1  | 8          |
| Canaries (Spain)     | CNR      | E0  | E          |
| Croatia              | HRV      | E3  | C          |
| Cyprus               | CYP      | E1  | 2          |
| Czech Republic       | czr      | E2  | 2          |
| Denmark              | DNK      | E1  | 9          |
| Egypt                | EGY      | E0  | F          |
| Estonia              | EST      | E4  | 2          |
| Faroe (Denmark)      | DNK      | E1  | 9          |
| Finland              | FNL      | E1  | 6          |
| France               | F        | E1  | F          |
| Germany              | D        | E0  | D, 1       |
|                      |          |     |            |
| Gibraltar (UK)       | GIB      | E1  | A          |
| Greece               | GRC      | E1  | 1          |
| Hungary              | HNG      | E0  | B          |
| Iceland              | ISL      | E2  | A          |
| Iraq                 | IRQ      | E1  | B          |
| Ireland              | IRL      | E3  | 2          |
| Israel               | ISR      | E0  | 4          |
| Italy                | I        | E0  | 5          |
| Jordan               | JOR      | E1  | 5          |
| Latvia)              | LVA      | E3  | 9          |

| Country            | ITU code | ECC | Country Id |
|--------------------|----------|-----|------------|
| Lebanon            | LBN      | E3  | A          |
| Libya              | LBY      | E1  | D          |
| Liechtenstein      | LIE      | E2  | 9          |
| Lithuania          | LTU      | E2  | C          |
| Luxembourg         | LUX      | E1  | 7          |
| Macedonia          | Mkd      | E4  | 3          |
| Madeira            | MDR      | E2  | 8          |
| Malta              | MLT      | E0  | C          |
| Marocco            | MRC      | E2  | 1          |
| Moldova            | MDA      | E4  | 1          |
| Monaco             | MCO      | E2  | B          |
| Montenegro         | Men      | E3  | 1          |
| Netherlands        | HOL      | E3  | 8          |
| Norway             | NOR      | E2  | F          |
| Poland             | POL      | E2  | 3          |
| Portugal           | POR      | E4  | 8          |
| Romania            | ROU      | E1  | E          |
| Russian Federation | RUS      | E0  | 7          |
| San Marino         | SM       | E1  | 3          |
| Serbia             | Srb      | E2  | D          |
| Slovenia           | SVN      | E4  | 9          |
| Slovak Republic    | Slr      | E2  | 5          |
| Spain              | E        | E2  | E          |
| Sweden             | S        | E3  | E          |
| Switzerland        | SUI      | E1  | 4          |
| Syria              | SYR      | E2  | 6          |
| Tunisia            | TUN      | E2  | 7          |
| Turkey             | TUR      | E3  | 3          |
| Ukraine            | UKR      | E4  | 6          |
| United Kingdom     | G        | E1  | C          |
| Vatican            | CVA      | E2  | 4          |

Table 4: ITU Region 1 (African broadcasting area)

| Country                  | ITU code | ECC | Country Id |
|--------------------------|----------|-----|------------|
| Ascension Island         | ASC      | D1  | A          |
| Angola                   | AGL      | D0  | 6          |
| Algeria                  | ALG      | E0  | 2          |
| Burundi                  | BDI      | D1  | 9          |
| Benin                    | BEN      | D0  | E          |
| Burkina Faso             | BFA      | D0  | B          |
| Botswana                 | BOT      | D1  | B          |
| Cabinda                  | cba      | D3  | 4          |
| Cameroon                 | CME      | D0  | 1          |
| Canary Islands           | CNR      | E0  | E          |
| Central African Republic | CAF      | D0  | 2          |
| Chad                     | TCD      | D2  | 9          |
| Congo                    | COG      | D0  | C          |
| Comoros                  | COM      | D1  | C          |
| Cape Verde               | CPV      | D1  | 6          |
| Cote d'Ivoire            | CTI      | D2  | C          |
| Djibouti                 | DJI      | D0  | 3          |
| Egypt                    | EGY      | E0  | F          |
| Ethiopia                 | ETH      | D1  | E          |
| Gabon                    | GAB      | D0  | 8          |
| Ghana                    | GHA      | D1  | 3          |
| Gambia                   | GMB      | D1  | 8          |
| Guinea-Bissau            | GNB      | D2  | A          |
| Equatorial Guinea        | GNE      | D0  | 7          |
| Republic of Guinea       | GUI      | D0  | 9          |
| Kenya                    | KEN      | D2  | 6          |
| Liberia                  | LBR      | D1  | 2          |
| Libya                    | LBY      | E1  | D          |
| Lesotho                  | LSO      | D3  | 6          |

| Country               | ITU code | ECC | Country Id |
|-----------------------|----------|-----|------------|
| Mauritius             | MAU      | D3  | A          |
| Madagascar            | MDG      | D0  | 4          |
| Malawi                | MWI      | D0  | F          |
| Mali                  | MLI      | D0  | 5          |
| Morocco               | MRC      | E2  | 1          |
| Mauritania            | MTN      | D1  | 4          |
| Mozambique            | MOZ      | D2  | 3          |
| Niger                 | NGR      | D2  | 8          |
| Nigeria               | NIG      | D1  | F          |
| Namibia               | NMB      | D1  | 1          |
| Rwanda                | RRW      | D3  | 5          |
| Sao Tome and Principe | STP      | D1  | 5          |
| Seychelles            | SEY      | D3  | 8          |
| Senegal               | SEN      | D1  | 7          |
| Sierra Leone          | SRL      | D2  | 1          |
| Somalia               | SOM      | D2  | 7          |
| South Africa          | AFS      | D0  | A          |
| Sudan                 | SDN      | D3  | C          |
| Swaziland             | SWZ      | D2  | 5          |
| Togo                  | TGO      | D0  | D          |
| Tunisia               | TUN      | E2  | 7          |
| Tanzania              | TZA      | D1  | D          |
| Uganda                | UGA      | D2  | 4          |
| Western Sahara        | AOE      | D3  | 3          |
| Zaire                 | ZAI      | D2  | B          |
| Zambia                | ZMB      | D2  | E          |
| Zanzibar              | ZAN      | D2  | D          |
| Zimbabwe              | ZWE      | D2  | 2          |

Table 5: ITU Region 1 (Former Soviet Union broadcasting area)

| Country    | ITU code | ECC | Country Id |
|------------|----------|-----|------------|
| Armenia    | ARM      | E4  | A          |
| Azerbaijan | AZE      | E3  | B          |
| Belarus    | BLR      | E3  | F          |
| Estonia    | EST      | E4  | 2          |
| Georgia    | GEO      | E4  | C          |
| Kazakhstan | KAZ      | E3  | D          |
| Kyrgyzstan | KGZ      | E4  | 3          |
| Latvia     | LVA      | E3  | 9          |

| Country            | ITU code | ECC | Country Id |
|--------------------|----------|-----|------------|
| Lithuania          | LTU      | E2  | C          |
| Moldova            | MDA      | E4  | 1          |
| Russian Federation | RUS      | E0  | 7          |
| Tajikistan         | TJK      | E3  | 5          |
| Turkmenistan       | TKM      | E4  | E          |
| Ukraine            | UKR      | E4  | 6          |
| Uzbekistan         | UZB      | E4  | B          |

Table 6: ITU Region 2 (North and South Americas)

| Country             | ITU code | ECC | Country Id |
|---------------------|----------|-----|------------|
| Anguilla            | AIA      | A2  | 1          |
| Antigua and Barbuda | ATG      | A2  | 2          |
| Argentina           | ARG      | A2  | A          |
| Aruba               | ABW      | A4  | 3          |
| Bahamas             | BAH      | A2  | F          |
| Barbados            | BRB      | A2  | 5          |
| Belize              | BLZ      | A2  | 6          |
| Bermuda             | BER      | A2  | C          |
| Bolivia             | BOL      | A3  | 1          |
| Brazil              | B        | A2  | B          |
| Canada              | CAN      | A1  | C          |
| Cayman Islands      | CYM      | A2  | 7          |
| Chile               | CHL      | A3  | C          |
| Colombia            | CLM      | A3  | 2          |
| Costa Rica          | CTR      | A2  | 8          |
| Cuba                | CUB      | A2  | 9          |
| Dominica            | DMA      | A3  | A          |
| Dominican Republic  | DOM      | A3  | B          |
| Equator             | EQA      | A2  | 3          |
| El Salvador         | SLV      | A4  | C          |
| Falkland Islands    | FLK      | A2  | 4          |
| Greenland           | GRL      | A1  | F          |
| Grenada             | GRD      | A3  | D          |
| Guadeloupe          | GDL      | A2  | E          |
| Guatemala           | GTM      | A4  | 1          |

| Country                  | ITU code | ECC | Country Id            |
|--------------------------|----------|-----|-----------------------|
| Guyana                   | GUY      | A3  | F                     |
| Haiti                    | HTI      | A4  | D                     |
| Honduras                 | HND      | A4  | 2                     |
| Jamaica                  | JMC      | A3  | 3                     |
| Martinique               | MRT      | A3  | 4                     |
| Mexico                   | MEX      | A4  | F                     |
| Montserrat               | MSR      | A4  | 5                     |
| Netherlands Antilles     | ATN      | A2  | D                     |
| Nicaragua                | NCG      | A3  | 7                     |
| Panama                   | PNR      | A3  | 9                     |
| Paraguay                 | PRG      | A3  | 6                     |
| Peru                     | PRU      | A4  | 7                     |
| Puerto Rico              | PTR      | A3  | 8                     |
| St. Kitts                | SCN      | A4  | A                     |
| St. Lucia                | LCA      | A4  | B                     |
| St. Pierre and Miquelon  | SPM      | A6  | F                     |
| St. Vincent              | VCT      | A5  | C                     |
| Surinam                  | SUR      | A4  | 8                     |
| Trinidad and Tobago      | TRD      | A4  | 6                     |
| Turks and Caicos islands | TCA      | A3  | E                     |
| United States of America | USA      | A0  | 1 to 9,<br>A, B, D, E |
| Uruguay                  | URG      | A4  | 9                     |
| Venezuela                | VEN      | A4  | E                     |
| Virgin islands (British) | VRG      | A5  | F                     |
| Virgin islands (USA)     | VIR      | A5  | F                     |

Table 7: ITU Region 3 (Asia and Pacific)

| Country            | ITU code | ECC | Country Id |
|--------------------|----------|-----|------------|
| Afghanistan        | AFG      | F0  | A          |
| Saudi Arabia       | ARS      | F0  | 9          |
| Australia:         |          |     |            |
| Capital Territory  | act      | F0  | 1          |
| New South Wales    | ans      | F0  | 2          |
| Victoria           | avi      | F0  | 3          |
| Queensland         | aqu      | F0  | 4          |
| South Australia    | asa      | F0  | 5          |
| Western Australia  | awa      | F0  | 6          |
| Tasmania           | ata      | F0  | 7          |
| Northern Territory | ant      | F0  | 8          |
| Bangladesh         | BGD      | F1  | 3          |
| Bahrain            | BHR      | F0  | E          |
| Myanmar (Burma)    | BRM      | F0  | B          |
| Brunei Darussalam  | BRU      | F1  | B          |
| Bhutan             | BTN      | F1  | 2          |
| Cambodia           | CBG      | F2  | 3          |
| China              | CHN      | F0  | C          |
| Sri Lanka          | CLN      | F1  | C          |
| Fiji               | FJI      | F1  | 5          |
| Hong Kong          | HKG      | F1  | F          |
| India              | IND      | F2  | 5          |
| Indonesia          | INS      | F2  | C          |
| Iran               | IRN      | F1  | 8          |
| Iraq               | IRQ      | E1  | B          |
| Japan              | J        | F2  | 9          |
| Kiribati           | KIR      | F1  | 1          |

| Country              | ITU code | ECC | Country Id |
|----------------------|----------|-----|------------|
| Korea (South)        | KOR      | F1  | E          |
| Korea (North)        | KRE      | F0  | D          |
| Kuwait               | KWT      | F2  | 1          |
| Laos                 | LAO      | F3  | 1          |
| Macau                | MAC      | F2  | 6          |
| Malaysia             | MLA      | F0  | F          |
| Maldives             | MLD      | F2  | B          |
| Micronesia           | mic      | F3  | E          |
| Mongolia             | MNG      | F3  | F          |
| Nepal                | NPL      | F2  | E          |
| Nauru                | NRU      | F1  | 7          |
| New Zealand          | NZL      | F1  | 9          |
| Oman                 | OMA      | F1  | 6          |
| Pakistan             | PAK      | F1  | 4          |
| Philippines          | PHL      | F2  | 8          |
| Papua New Guinea     | PNG      | F3  | 9          |
| Qatar                | QAT      | F2  | 2          |
| Solomon Islands      | SLM      | F1  | A          |
| Western Samoa        | SMO      | F2  | 4          |
| Singapore            | SNG      | F2  | A          |
| Taiwan               | tw       | F1  | D          |
| Thailand             | THA      | F3  | 2          |
| Tonga                | TON      | F3  | 3          |
| United Arab Emirates | UAE      | F2  | D          |
| Vietnam              | VTN      | F2  | 7          |
| Vanuatu              | VUT      | F2  | F          |
| Yemen                | YEM      | F3  | B          |

## 5.5 X-PAD application types

See clause 7.4.3 of EN 300 401 [1].

X-PAD application types are fixed or user defined from V1.4.1 of EN 300 401 [1].

**Table 8: Void**

## 5.6 Languages code tables

See clause 8.1 of EN 300 401 [1].

The following tables show the codes to be used when describing a number of different language parameters in a DAB service (e.g. service component language, language field in PTy, PTy downloading and PTy preview, etc.) - see also ETS 300 250 [3]. The Language codes are shown in their binary-coded hexadecimal form.

Table 9 contains the European languages written with "Latin-based" alphabets and their hexadecimal code.

Table 10 contains other languages and their hexadecimal code.

**Table 9: European languages**

| Language               | Code (hex) | Language                         | Code (hex) |
|------------------------|------------|----------------------------------|------------|
| Unknown/not applicable | 00         | Luxembourgian                    | 19         |
| Albanian               | 01         | Lithuanian                       | 1A         |
| Breton                 | 02         | Hungarian                        | 1B         |
| Catalan                | 03         | Maltese                          | 1C         |
| Croatian               | 04         | Dutch                            | 1D         |
| Welsh                  | 05         | Norwegian                        | 1E         |
| Czech                  | 06         | Occitan                          | 1F         |
| Danish                 | 07         | Polish                           | 20         |
| German                 | 08         | Portuguese                       | 21         |
| English                | 09         | Romanian                         | 22         |
| Spanish                | 0A         | Romansh                          | 23         |
| Esperanto              | 0B         | Serbian                          | 24         |
| Estonian               | 0C         | Slovak                           | 25         |
| Basque                 | 0D         | Slovene                          | 26         |
| Faroese                | 0E         | Finnish                          | 27         |
| French                 | 0F         | Swedish                          | 28         |
| Frisian                | 10         | Turkish                          | 29         |
| Irish                  | 11         | Flemish                          | 2A         |
| Gaelic                 | 12         | Walloon                          | 2B         |
| Galician               | 13         | <i>rfu</i>                       | 2C         |
| Icelandic              | 14         | <i>rfu</i>                       | 2D         |
| Italian                | 15         | <i>rfu</i>                       | 2E         |
| Lappish                | 16         | <i>rfu</i>                       | 2F         |
| Latin                  | 17         | Reserved for national assignment | 30 to 3F   |
| Latvian                | 18         |                                  |            |

Table 10: Other languages

| Language    | Code (hex) | Language                    | Code (hex) |
|-------------|------------|-----------------------------|------------|
| Amharic     | 7F         | Marathi                     | 5F         |
| Arabic      | 7E         | Ndebele                     | 5E         |
| Armenian    | 7D         | Nepali                      | 5D         |
| Assamese    | 7C         | Oriya                       | 5C         |
| Azerbaijani | 7B         | Papiamentu                  | 5B         |
| Bambora     | 7A         | Persian                     | 5A         |
| Belorussian | 79         | Punjabi                     | 59         |
| Bengali     | 78         | Pushtu                      | 58         |
| Bulgarian   | 77         | Quechua                     | 57         |
| Burmese     | 76         | Russian                     | 56         |
| Chinese     | 75         | Ruthenian                   | 55         |
| Churash     | 74         | Serbo-Croat                 | 54         |
| Dari        | 73         | Shona                       | 53         |
| Fulani      | 72         | Sinhalese                   | 52         |
| Georgian    | 71         | Somali                      | 51         |
| Greek       | 70         | Sranan Tongo                | 50         |
| Gujurati    | 6F         | Swahili                     | 4F         |
| Gurani      | 6E         | Tadzhik                     | 4E         |
| Hausa       | 6D         | Tamil                       | 4D         |
| Hebrew      | 6C         | Tatar                       | 4C         |
| Hindi       | 6B         | Telugu                      | 4B         |
| Indonesian  | 6A         | Thai                        | 4A         |
| Japanese    | 69         | Ukranian                    | 49         |
| Kannada     | 68         | Urdu                        | 48         |
| Kazakh      | 67         | Uzbek                       | 47         |
| Khmer       | 66         | Vietnamese                  | 46         |
| Korean      | 65         | Zulu                        | 45         |
| Laotian     | 64         | <i>rfu</i>                  | 44         |
| Macedonian  | 63         | <i>rfu</i>                  | 43         |
| Malagasay   | 62         | <i>rfu</i>                  | 42         |
| Malaysian   | 61         | <i>rfu</i>                  | 41         |
| Moldavian   | 60         | Background sound/clean feed | 40         |

## 5.7 International Table Identifiers

See clause 8.1.3.2 of EN 300 401 [1].

This table contains *presently* registered International Table Identifiers and their bit values. All the remaining values (not shown) are reserved for future use.

Table 11: International Table Identifiers

| b <sub>7</sub> | b <sub>6</sub> | b <sub>5</sub> | b <sub>4</sub> | b <sub>3</sub> | b <sub>2</sub> | b <sub>1</sub> | b <sub>0</sub> | International Table Identifiers  |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|
| 0              | 0              | 0              | 0              | 0              | 0              | 0              | 1              | Comprises the use of a PTY from table 12 and an Announcement type from table 14.       |
| 0              | 0              | 0              | 0              | 0              | 0              | 1              | 0              | Comprises the use of an RBDS PTY from table 13 and an Announcement type from table 14. |

## 5.8 Programme type

See clause 8.1.5 of EN 300 401 [1]. These tables contain Programme types, their numbers and bit values and abbreviations for display.

Table 12 is largely co-ordinated with the Programme Type codes used in RDS (except code 30 and 31) and specified in annex F of EN 62106 [2]. The 16-character and 8-character abbreviations are recommended for display on DAB products in the English language. Other language abbreviations are shown in annex A.

**Table 12: Programme type codes and abbreviations in the English language, applying to all countries, except for North America**

| Decimal Number | Code           |                |                |                |                | Programme type        | 16-character abbreviation | 8-character abbreviation |
|----------------|----------------|----------------|----------------|----------------|----------------|-----------------------|---------------------------|--------------------------|
|                | b <sub>4</sub> | b <sub>3</sub> | b <sub>2</sub> | b <sub>1</sub> | b <sub>0</sub> |                       |                           |                          |
| 0              | 0              | 0              | 0              | 0              | 0              | No programme type     | None                      | None                     |
| 1              | 0              | 0              | 0              | 0              | 1              | News                  | News                      | News                     |
| 2              | 0              | 0              | 0              | 1              | 0              | Current Affairs       | Current _ Affairs         | Affairs                  |
| 3              | 0              | 0              | 0              | 1              | 1              | Information           | Information               | Info                     |
| 4              | 0              | 0              | 1              | 0              | 0              | Sport                 | Sport                     | Sport                    |
| 5              | 0              | 0              | 1              | 0              | 1              | Education             | Education                 | Educate                  |
| 6              | 0              | 0              | 1              | 1              | 0              | Drama                 | Drama                     | Drama                    |
| 7              | 0              | 0              | 1              | 1              | 1              | Culture               | Arts                      | Arts                     |
| 8              | 0              | 1              | 0              | 0              | 0              | Science               | Science                   | Science                  |
| 9              | 0              | 1              | 0              | 0              | 1              | Varied                | Talk                      | Talk                     |
| 10             | 0              | 1              | 0              | 1              | 0              | Pop Music             | Pop _ Music               | Pop                      |
| 11             | 0              | 1              | 0              | 1              | 1              | Rock Music            | Rock _ Music              | Rock                     |
| 12             | 0              | 1              | 1              | 0              | 0              | Easy Listening Music  | Easy _ Listening          | Easy                     |
| 13             | 0              | 1              | 1              | 0              | 1              | Light Classical       | Light _ Classical         | Classics                 |
| 14             | 0              | 1              | 1              | 1              | 0              | Serious Classical     | Classical _ Music         | Classics                 |
| 15             | 0              | 1              | 1              | 1              | 1              | Other Music           | Other _ Music             | Other _ M                |
| 16             | 1              | 0              | 0              | 0              | 0              | Weather/meteorology   | Weather                   | Weather                  |
| 17             | 1              | 0              | 0              | 0              | 1              | Finance/Business      | Finance                   | Finance                  |
| 18             | 1              | 0              | 0              | 1              | 0              | Children's programmes | Children's                | Children                 |
| 19             | 1              | 0              | 0              | 1              | 1              | Social Affairs        | Factual                   | Factual                  |
| 20             | 1              | 0              | 1              | 0              | 0              | Religion              | Religion                  | Religion                 |
| 21             | 1              | 0              | 1              | 0              | 1              | Phone In              | Phone _ In                | Phone _ In               |
| 22             | 1              | 0              | 1              | 1              | 0              | Travel                | Travel                    | Travel                   |
| 23             | 1              | 0              | 1              | 1              | 0              | Leisure               | Leisure                   | Leisure                  |
| 24             | 1              | 1              | 0              | 0              | 0              | Jazz Music            | Jazz _ and _ Blues        | Jazz                     |
| 25             | 1              | 1              | 0              | 0              | 1              | Country Music         | Country _ Music           | Country                  |
| 26             | 1              | 1              | 0              | 1              | 0              | National Music        | National _ Music          | Nation _ M               |
| 27             | 1              | 1              | 0              | 1              | 1              | Oldies Music          | Oldies _ Music            | Oldies                   |
| 28             | 1              | 1              | 1              | 0              | 0              | Folk Music            | Folk _ Music              | Folk                     |
| 29             | 1              | 1              | 1              | 0              | 1              | Documentary           | Documentary               | Document                 |
| 30             | 1              | 1              | 1              | 1              | 0              | <i>Not used</i>       |                           |                          |
| 31             | 1              | 1              | 1              | 1              | 1              | <i>Not used</i>       |                           |                          |

NOTE 1: This table forms part 1 of the International Table Identifier /0000 0001/ (see clause 5.7) which references the PTy codes for DAB use, **except** in North America.

NOTE 2: The notation \_ is used to indicate the use of the "space" character.

Table 13 is co-ordinated with the Program Type codes used in North America (except code 30 and 31) and specified in clause F.2 of EN 62106 [2]. The 16-character and 8-character abbreviations are recommended for display on DAB products for use in North America.

**Table 13: Programme type codes and abbreviations in the English language, applying to North America**

| Decimal Number | Code           |                |                |                |                | Program type          | 16-character abbreviation | 8-character abbreviation |
|----------------|----------------|----------------|----------------|----------------|----------------|-----------------------|---------------------------|--------------------------|
|                | b <sub>4</sub> | b <sub>3</sub> | b <sub>2</sub> | b <sub>1</sub> | b <sub>0</sub> |                       |                           |                          |
| 0              | 0              | 0              | 0              | 0              | 0              | No program type       | None                      | None                     |
| 1              | 0              | 0              | 0              | 0              | 1              | News                  | News                      | News                     |
| 2              | 0              | 0              | 0              | 1              | 0              | Information           | Information               | Inform                   |
| 3              | 0              | 0              | 0              | 1              | 1              | Sports                | Sports                    | Sports                   |
| 4              | 0              | 0              | 1              | 0              | 0              | Talk                  | Talk                      | Talk                     |
| 5              | 0              | 0              | 1              | 0              | 1              | Rock                  | Rock                      | Rock                     |
| 6              | 0              | 0              | 1              | 1              | 0              | Classic Rock          | Classic _ Rock            | Cls _ Rock               |
| 7              | 0              | 0              | 1              | 1              | 1              | Adult Hits            | Adult _ Hits              | Adlt _ Hit               |
| 8              | 0              | 1              | 0              | 0              | 0              | Soft Rock             | Soft _ Rock               | Soft _ Rck               |
| 9              | 0              | 1              | 0              | 0              | 1              | Top 40                | Top _ 40                  | Top _ 40                 |
| 10             | 0              | 1              | 0              | 1              | 0              | Country               | Country                   | Country                  |
| 11             | 0              | 1              | 0              | 1              | 1              | Oldies                | Oldies                    | Oldies                   |
| 12             | 0              | 1              | 1              | 0              | 0              | Soft                  | Soft                      | Soft                     |
| 13             | 0              | 1              | 1              | 0              | 1              | Nostalgia             | Nostalgia                 | Nostalga                 |
| 14             | 0              | 1              | 1              | 1              | 0              | Jazz                  | Jazz                      | Jazz                     |
| 15             | 0              | 1              | 1              | 1              | 1              | Classical             | Classical                 | Classicl                 |
| 16             | 1              | 0              | 0              | 0              | 0              | Rhythm and Blues      | Rhythm _ and _ Blues      | R _ & _ B                |
| 17             | 1              | 0              | 0              | 0              | 1              | Soft Rhythm and Blues | Soft _ R _ & _ B          | Soft _ R&B               |
| 18             | 1              | 0              | 0              | 1              | 0              | Foreign Language      | Foreign _ Language        | Language                 |
| 19             | 1              | 0              | 0              | 1              | 1              | Religious Music       | Religious _ Music         | Rel _ Musc               |
| 20             | 1              | 0              | 1              | 0              | 0              | Religious Talk        | Religious _ Talk          | Rel _ Talk               |
| 21             | 1              | 0              | 1              | 0              | 1              | Personality           | Personality               | Persnlty                 |
| 22             | 1              | 0              | 1              | 1              | 0              | Public                | Public                    | Public                   |
| 23             | 1              | 0              | 1              | 1              | 0              | College               | College                   | College                  |
| 24             | 1              | 1              | 0              | 0              | 0              | : rfu                 |                           |                          |
| 25             | 1              | 1              | 0              | 0              | 1              | : rfu                 |                           |                          |
| 26             | 1              | 1              | 0              | 1              | 0              | : rfu                 |                           |                          |
| 27             | 1              | 1              | 0              | 1              | 1              | : rfu                 |                           |                          |
| 28             | 1              | 1              | 1              | 0              | 0              | : rfu                 |                           |                          |
| 29             | 1              | 1              | 1              | 0              | 1              | Weather               | Weather                   | Weather                  |
| 30             | 1              | 1              | 1              | 1              | 0              | Not used              |                           |                          |
| 31             | 1              | 1              | 1              | 1              | 1              | Not used              |                           |                          |

NOTE 1: This table forms part 1 of the International Table Identifier /0000 0010/ (see clause 5.7) which references the PTy codes for North American DAB use.

NOTE 2: The notation \_ is used to indicate the use of the "space" character.

## 5.9 Announcements

See clause 8.1.6 of EN 300 401 [1]. Table 14 contains all *presently* registered announcement types, their descriptions and bit flags. This table forms part 2 of the International Table Identifiers /0000 0001/ and /0000 0010/ (see table 11). All the remaining values (not detailed) are reserved for future use.



**Table 14: Announcement types and their descriptions**

| Bit flag        | Announcement type                     | Description  |
|-----------------|---------------------------------------|--|
| b <sub>0</sub>  | Alarm                                 | Information about a serious or even life-threatening situation such as: nuclear fallout or war.                          |
| b <sub>1</sub>  | Road Traffic flash                    | Information about problems on the road.  |
| b <sub>2</sub>  | Transport flash                       | Information concerning Public Transport, such as: schedules of buses, ferries, planes or trains.                         |
| b <sub>3</sub>  | Warning/Service                       | Information about incidents of less importance than Alarm Announcements, such as: disruption of power or water supplies. |
| b <sub>4</sub>  | News flash                            | News bulletin.   |
| b <sub>5</sub>  | Area weather flash                    | Weather bulletin.  |
| b <sub>6</sub>  | Event announcement                    | Information about commercial, cultural or public events.   |
| b <sub>7</sub>  | Special event                         | Information on unscheduled or previously unforeseen events.  |
| b <sub>8</sub>  | Programme Information                 | Information about current or future radio broadcasts or programmes.  |
| b <sub>9</sub>  | Sport report                          | Bulletin of news about sport.  |
| b <sub>10</sub> | Financial report                      | Bulletin of news about finance or business.  |
| b <sub>11</sub> | <i>Reserved for future definition</i> | tba  |
| b <sub>12</sub> | <i>Reserved for future definition</i> | tba  |
| b <sub>13</sub> | <i>Reserved for future definition</i> | tba  |
| b <sub>14</sub> | <i>Reserved for future definition</i> | tba  |
| b <sub>15</sub> | <i>Reserved for future definition</i> | tba  |

Table 15 shows the 16-character and 8-character abbreviations recommended for display on DAB products for the English language. Other languages abbreviations are detailed in annex B. All the remaining values (not detailed) are reserved for future use.

**Table 15: Announcement types and abbreviations in the English language**

| Bit flag        | Announcement type                     | 16-character abbreviation | 8-character abbreviation |
|-----------------|---------------------------------------|---------------------------|--------------------------|
| b <sub>0</sub>  | Alarm                                 | Alarm                     | Alarm                    |
| b <sub>1</sub>  | Road Traffic flash                    | Traffic _ News            | Traffic                  |
| b <sub>2</sub>  | Transport flash                       | Transport News            | Travel                   |
| b <sub>3</sub>  | Warning/Service                       | Warning                   | Warning                  |
| b <sub>4</sub>  | News flash                            | News                      | News                     |
| b <sub>5</sub>  | Area weather flash                    | Weather                   | Weather                  |
| b <sub>6</sub>  | Event announcement                    | Event                     | Event                    |
| b <sub>7</sub>  | Special event                         | Special _ event           | Special                  |
| b <sub>8</sub>  | Programme Information                 | Radio _ info              | Rad _ info               |
| b <sub>9</sub>  | Sport report                          | Sports _ news             | Sports                   |
| b <sub>10</sub> | Financial report                      | Financial _ news          | Finance                  |
| b <sub>11</sub> | <i>Reserved for future definition</i> | tba                       | tba                      |
| b <sub>12</sub> | <i>Reserved for future definition</i> | tba                       | tba                      |
| b <sub>13</sub> | <i>Reserved for future definition</i> | tba                       | tba                      |
| b <sub>14</sub> | <i>Reserved for future definition</i> | tba                       | tba                      |
| b <sub>15</sub> | <i>Reserved for future definition</i> | tba                       | tba                      |

NOTE: The notation \_ is used to indicate the use of the "space" character.

## 5.10 User Application type (UAtype)

See clause 8.1.20 of EN 300 401 [1].

Table 16 contains all *presently* registered User Application Types and the references to the appropriate specifications.

**Table 16: User Application types**

| User Application type<br>(hexadecimal)   | User Application               | Reference       |
|--|--------------------------------|-----------------|
| 0x000  | Reserved for future definition |                 |
| 0x001  | Not used                       |                 |
| 0x002  | MOT Slideshow                  | TS 101 499 [22] |
| 0x003  | MOT Broadcast Web Site         | TS 101 498 [21] |
| 0x004  | TPEG                           |                 |
| 0x005  | DGPS                           |                 |
| 0x006  | TMC                            | TS 102 368 [23] |
| 0x007  | EPG                            | TS 102 818 [24] |
| 0x008  | DAB Java                       | TS 101 993 [25] |
| 0x009  | DMB                            | TS 102 428 [30] |
| 0x00a  | IPDC services                  | TS 102 978 [31] |
| 0x00b  | Voice applications             | TS 102 632 [32] |
| 0x00c  | Middleware                     | TS 102 635 [33] |
| 0x00d  | Filecasting                    | TS 103 177 [40] |
|  |                                |                 |
|  |                                |                 |
| 0x00e to 0x449   | Reserved for future definition |                 |
|  |                                |                 |
| 0x44a  | Journaline®                    | TS 102 979 [34] |
| 0x44b to 0x7ff   | Reserved for future definition |                 |
| NOTE: User Application Types marked "Reserved for future definition" are assigned by WorldDAB IRC for user applications whose definition is published by a recognized standards body (e.g. ETSI) or for user applications whose definition is not freely available. WorldDAB IRC retains details of all registrations. |                                |                 |

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## 6 Registered tables in EN 301 234 (MOT)

### 6.1 Content type and content subtypes

See clause 6.1 of EN 301 234 [4].

Table 17 contains values for the MOT header parameters content type and content subtype.

Table 17: Content type and content subtypes

| Content type<br>b <sub>14</sub> b <sub>9</sub> | Interpretation    | Content subtype<br>b <sub>8</sub> b <sub>0</sub> | Interpretation                       |
|--|-------------------|--|--------------------------------------|
| 000000   | general data      | 00000000   | Object Transfer                      |
|  |                   | 00000001   | MIME/HTTP [5], [6]                   |
| 000001   | text              | 00000000   | Text (US ASCII) [7]                  |
|  |                   | 00000001   | Text (ISO Latin 1) [8]               |
|  |                   | 00000010   | HTML (default: ISO Latin 1) [9], [8] |
|  |                   | 00000011   | PDF [41]                             |
| 000010   | image             | 00000000   | GIF [35]                             |
|  |                   | 00000001   | JFIF [10]                            |
|  |                   | 00000010   | BMP [38]                             |
|  |                   | 00000011   | PNG [20]                             |
| 000011   | audio             | 00000000   | MPEG I audio Layer I [11]            |
|  |                   | 00000001   | MPEG I audio Layer II [11]           |
|  |                   | 00000010   | MPEG I audio Layer III [12]          |
|  |                   | 00000011   | MPEG II audio Layer I [12]           |
|  |                   | 00000100   | MPEG II audio Layer II [12]          |
|  |                   | 00000101   | MPEG II audio Layer III [12]         |
|  |                   | 00000110   | uncompressed PCM audio [13]          |
|  |                   | 00000111   | AIFF [39]                            |
|  |                   | 00001000   | ATRAC [37]                           |
|  |                   | 00001001   |                                      |
|  |                   | 00001010   | MPEG 4 audio [14]                    |
| 000100   | video             | 00000000   | MPEG I video [15]                    |
|  |                   | 00000001   | MPEG II video [16]                   |
|  |                   | 00000010   | MPEG 4 video [17]                    |
|  |                   | 00000011   | H263 [18]                            |
| 000101   | MOT transport     | 00000000   | Header update                        |
|  |                   | 00000001   | Header only                          |
| 000110   | system            | 00000000   | MHEG [19]                            |
|  |                   | 00000001   | Java [36]                            |
| 000111   | Application       | 00000000<br>to<br>11111111                       | User application specific            |
| 111111   | proprietary table | 00000000<br>to<br>11111111                       | proprietary                          |

## 6.2 Compressed data formats

See clause 6.2.2.1.3 of EN 301 234 [4].

Table 18 contains the registered values for the compressed data formats.

Table 18

| CompressionId  | Description                           | Specification reference      |
|--|---------------------------------------|------------------------------|
| 0x00   | Reserved                              |                              |
| 0x01   | Gzip compressed data format (deflate) | RFC 1950 [27], RFC 1952 [28] |
| NOTE 1: The gzip file format potentially allows compression algorithms other than the "Deflate" algorithm to be used, although Deflate is currently the only algorithm specified for use with this format. |                                       |                              |
| NOTE 2: A software library to decode gzip files coded with the Deflate algorithm is freely available and may be obtained from: <a href="http://www.gzip.org">http://www.gzip.org</a> .                     |                                       |                              |

## 6.3 Character set indicator

See clause 6.2.2.1.1 of EN 301 234 [4].

Table 19 contains values for coding the character set indicator for the MOT ContentName.

**Table 19**

| <b>b7 b4</b> | <b>Description</b>   |
|--------------|--|
| 0000         | Complete EBU Latin based repertoire [2]                      |
|              |  |
|              |  |
| 0100         | ISO Latin Alphabet No1 (see ISO/IEC 8859-1 [8])              |
| 1111         | ISO/IEC 10646 [26] (UTF-8 encoding) (see ISO/IEC 10646 [26]) |

## Annex A (informative): Programme type codes, translations

Tables are not shown in alphabetical order, because new tables may be added at the end of this annex in the future.

**Table A.1: Dutch Programme types and 16-character and 8-character abbreviations**

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

NOTE 1: This table forms part 1 of the International Table Identifier /0000 0001/ (see clause 5.7) which references the PTy codes for DAB use, **except** in North America.

NOTE 2: The notation \_ is used to indicate the use of the "space" character.

Table A.2: French Programme types and 16-character and 8-character abbreviations

| Decimal Number | Programme type (see table 12) | French PTy   | French 16-character abbreviation | French 8-character abbreviation |
|----------------|-------------------------------|--|----------------------------------|---------------------------------|
| 0              | No programme type             | Codification de programme non utilisée ou genre non défini | Non _ défini                     | Aucun                           |
| 1              | News                          | Informations   | Informations                     | Infos                           |
| 2              | Current Affairs               | Magazine   | Magazine                         | Magazine                        |
| 3              | Information                   | Info-Service   | Info-Service                     | Services                        |
| 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   | Divertissement                   | Divers                          |
| 10             | Pop Music                     | Pop  | Musique _ Pop                    | M _ Pop                         |
| 11             | Rock Music                    | Rock   | Musique _ Rock                   | M _ Rock                        |
| 12             | Easy Listening Music          | Chansons   | Chansons                         | Chansons                        |
| 13             | Light Classical               | Classique Léger  | Classique _ Léger                | M _ Cl _ Lég                    |
| 14             | Serious Classical             | Musique Classique  | MusiqueClassique                 | Classiq                         |
| 15             | Other Music                   | Autre Musique  | Autre _ Musique                  | Autre _ M                       |
| 16             | Weather/meteorology           | Météo  | Météo                            | Météo                           |
| 17             | Finance/Business              | 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                             | Ligne _ ouverte                  | Forum                           |
| 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   | Chanson _ du _ pays              | Ch _ pays                       |
| 27             | Oldies Music                  | Musique rétro  | Musique _ rétro                  | Rétro                           |
| 28             | Folk Music                    | Musique folklorique  | Folklore                         | Folklore                        |
| 29             | Documentary                   | Documentaire   | Documentaire                     | Document                        |
| 30             | <i>Not used</i>               |  |                                  |                                 |
| 31             | <i>Not used</i>               |  |                                  |                                 |

NOTE 1: This table forms part 1 of the International Table Identifier /0000 0001/ (see clause 5.7) which references the PTy codes for DAB use, **except** in North America.

NOTE 2: The notation \_ is used to indicate the use of the "space" character.

Table A.3: German Programme types and 16-character and 8-character abbreviations

| Decimal Number | Programme type (see table 12) | German PTy                      | German 16-character abbreviation | German 8-character abbreviation |
|----------------|-------------------------------|---------------------------------|----------------------------------|---------------------------------|
| 0              | No programme type             | Keine Programmartkennung        | Kein _ PTY                       | Kein _ PTY                      |
| 1              | News                          | Nachrichtendienst               | Nachrichten                      | Nachrich                        |
| 2              | Current Affairs               | Politik und Zeitgeschehen       | Aktuelle _ Info                  | Aktuell                         |
| 3              | Information                   | Service Programm                | Service _ Programm               | Service                         |
| 4              | Sport                         | Sport                           | Sport                            | Sport                           |
| 5              | Education                     | Lernen und Weiterbildung        | Bildung                          | Bildung                         |
| 6              | Drama                         | Hörspiel und Literatur          | Hörspiel _ + _ Lit               | Hör+Lit                         |
| 7              | Culture                       | Kultur, Kirche und Gesellschaft | Kultur+Gesellsch                 | Kultur                          |
| 8              | Science                       | Wissenschaft                    | Wissenschaft                     | Wissen                          |
| 9              | Varied                        | Unterhaltendes Wort             | Unterhaltung                     | Unterh                          |
| 10             | Pop Music                     | Popmusik                        | Pop _ Musik                      | Pop                             |
| 11             | Rock Music                    | Rockmusik                       | Rock _ Musik                     | Rock                            |
| 12             | Easy Listening Music          | Unterhaltungsmusik              | Unterhalt _ Musik                | U-Musik                         |
| 13             | Light Classical               | Leichte klassische Musik        | Leichte _ Klassik                | L-Musik                         |
| 14             | Serious Classical             | Ernste klassische Musik         | Ernste _ Klassik                 | E-Musik                         |
| 15             | Other Music                   | Spezielle Musikprogramme        | Spezielle _ Musik                | Musik                           |
| 16             | Weather/meteorology           | Wetter                          | Wetter                           | Wetter                          |
| 17             | Finance/Business              | Wirtschaft                      | Wirtschaft                       | Wirtsch                         |
| 18             | Children's programmes         | Kinderprogramm                  | Kinderprogramm                   | Kinder                          |
| 19             | Social Affairs                | Soziales                        | Soziales                         | Soziales                        |
| 20             | Religion                      | Religion                        | Religion                         | Religion                        |
| 21             | Phone In                      | Anrufsendung                    | Anrufsendung                     | Anruf                           |
| 22             | Travel                        | Reiseinformation                | Reiseinformation                 | Reise                           |
| 23             | Leisure                       | Freizeit                        | Freizeit                         | Freizeit                        |
| 24             | Jazz Music                    | Jazz                            | Jazz                             | Jazz                            |
| 25             | Country Music                 | Countrymusik                    | Country _ Musik                  | Country                         |
| 26             | National Music                | Musik des Landes                | Landesmusik                      | Landes _ M                      |
| 27             | Oldies Music                  | Oldiemusik                      | Oldies _ Musik                   | Oldies                          |
| 28             | Folk Music                    | Folklore                        | Folklore                         | Folklore                        |
| 29             | Documentary                   | Feature                         | Feature                          | Feature                         |
| 30             | <i>Not used</i>               |                                 |                                  |                                 |
| 31             | <i>Not used</i>               |                                 |                                  |                                 |

NOTE 1: This table forms part 1 of the International Table Identifier /0000 0001/ (see clause 5.7) which references the PTy codes for DAB use, **except** in North America.

NOTE 2: The notation \_ is used to indicate the use of the "space" character.

Table A.4: Norwegian Programme types and 16-character and 8-character abbreviations

| Decimal Number | Programme type (see table 12) | Norwegian PTy                     | Norwegian 16-character abbreviation | Norwegian 8-character abbreviation |
|----------------|-------------------------------|-----------------------------------|-------------------------------------|------------------------------------|
| 0              | No programme type             | Ingen programtype eller udefinert | Ikke _ PTY                          | Ikke _ PTY                         |
| 1              | News                          | Nyheter                           | Nyheter                             | Nyheter                            |
| 2              | Current Affairs               | Aktuell reportasje                | Aktuelt                             | Aktuelt                            |
| 3              | Information                   | Informasjon                       | Informasjon                         | Info                               |
| 4              | Sport                         | Sport                             | Sport                               | Sport                              |
| 5              | Education                     | Undervisning                      | Undervisning                        | Undervsn                           |
| 6              | Drama                         | Radioteater                       | Radioteater                         | Teater                             |
| 7              | Culture                       | Kultur                            | Kultur                              | Kultur                             |
| 8              | Science                       | Vitenskap                         | Vitenskap                           | Vitenskp                           |
| 9              | Varied                        | Underholdning                     | Underholdning                       | Underh                             |
| 10             | Pop Music                     | Pop musikk                        | Pop _ musikk                        | Pop _ mus                          |
| 11             | Rock Music                    | Rock musikk                       | Rock _ musikk                       | Rock _ mus                         |
| 12             | Easy Listening Music          | Lett musikk                       | Lett _ musikk                       | Lett _ mus                         |
| 13             | Light Classical               | Underholdningsmusikk              | Lett _ klassisk                     | Undh _ mus                         |
| 14             | Serious Classical             | Klassisk musikk                   | Klassisk _ musikk                   | Klas _ mus                         |
| 15             | Other Music                   | Diverse musikk                    | Diverse _ musikk                    | Div _ mus                          |
| 16             | Weather/meteorology           | Værmelding                        | Værmelding                          | Vær                                |
| 17             | Finance/Business              | Økonomi                           | Økonomi                             | Økonomi                            |
| 18             | Children's programmes         | Barneprogram                      | Barneprogram                        | Barn                               |
| 19             | Social Affairs                | Sosialprogram                     | Sosialprogram                       | Sosial                             |
| 20             | Religion                      | Religion                          | Religion                            | Religion                           |
| 21             | Phone In                      | Innringing                        | Ring _ inn                          | Ring _ inn                         |
| 22             | Travel                        | Reiseprogram                      | Reiseliv                            | Reise                              |
| 23             | Leisure                       | Fritidsprogram                    | Fritid                              | Fritid                             |
| 24             | Jazz Music                    | Jazz                              | Jazz _ musikk                       | Jazz                               |
| 25             | Country Music                 | Countrymusikk                     | Countrymusikk                       | Country                            |
| 26             | National Music                | Nasjonal musikk                   | Nasjonal _ musikk                   | Nasj _ mus                         |
| 27             | Oldies Music                  | Gammelpop                         | Gammelpop                           | Gml _ pop                          |
| 28             | Folk Music                    | Folkemusikk                       | Folkemusikk                         | Folk _ mus                         |
| 29             | Documentary                   | Dokumentar                        | Dokumentar                          | Dok                                |
| 30             | <i>Not used</i>               |                                   |                                     |                                    |
| 31             | <i>Not used</i>               |                                   |                                     |                                    |

NOTE 1: This table forms part 1 of the International Table Identifier /0000 0001/ (see clause 5.7) which references the PTy codes for DAB use, **except** in North America.

NOTE 2: The notation \_ is used to indicate the use of the "space" character.



Table A.5: Portuguese Programme types and 16-character and 8-character abbreviations

| Decimal Number | Programme type (see table 12) | Portuguese PTy           | Portuguese 16-character abbreviation | Portuguese 8-character abbreviation |
|----------------|-------------------------------|--------------------------|--------------------------------------|-------------------------------------|
| 0              | No programme type             | Não definido             | Não _ definido                       | Não _ def                           |
| 1              | News                          | Notícias                 | Notícias                             | Notícias                            |
| 2              | Current Affairs               | Actualidade              | Actualidade                          | Actual                              |
| 3              | Information                   | Informação               | Informação                           | Info                                |
| 4              | Sport                         | Desporto                 | Desporto                             | Desporto                            |
| 5              | Education                     | Educação                 | Educação                             | Educação                            |
| 6              | Drama                         | Teatro Radiofónico       | Rádio-Teatro                         | Teatro                              |
| 7              | Culture                       | Cultura                  | Cultura                              | Cultura                             |
| 8              | Science                       | Ciência                  | Ciência                              | Ciência                             |
| 9              | Varied                        | Variado                  | Variado                              | Variado                             |
| 10             | Pop Music                     | Música Pop               | Música _ Pop                         | Pop                                 |
| 11             | Rock Music                    | Música Rock              | Música _ Rock                        | Rock                                |
| 12             | Easy Listening Music          | Música Ligeira           | Música _ Ligeira                     | MLigeira                            |
| 13             | Light Classical               | Clássica Ligeira         | Clássica _ Ligeira                   | ClassLig                            |
| 14             | Serious Classical             | Música Clássica          | Música _ Clássica                    | Classica                            |
| 15             | Other Music                   | Outras Músicas           | Outras _ Músicas                     | Outras _ M                          |
| 16             | Weather/meteorology           | Meteorologia             | Meteorologia                         | Meteo                               |
| 17             | Finance/Business              | Economia                 | Economia                             | Economia                            |
| 18             | Children's programmes         | Programa Infantil        | Progr. _ Infantil                    | Infantil                            |
| 19             | Social Affairs                | Acontec Sociais          | Acontec. _ Social                    | A.Social                            |
| 20             | Religion                      | Religião                 | Religião                             | Religião                            |
| 21             | Phone In                      | Telefonemas dos ouvintes | Phone _ In                           | Phone _ In                          |
| 22             | Travel                        | Viagens                  | Viagens                              | Viagens                             |
| 23             | Leisure                       | Lazer                    | Lazer                                | Lazer                               |
| 24             | Jazz Music                    | Música de Jazz           | Música _ de _ Jazz                   | Jazz                                |
| 25             | Country Music                 | Música Country           | Música _ Country                     | Country                             |
| 26             | National Music                | Música Nacional          | Música _ Nacional                    | Nacional                            |
| 27             | Oldies Music                  | Música Antiga            | Música _ Antiga                      | M.Antiga                            |
| 28             | Folk Music                    | Música Folk              | Música _ Folk                        | Folclore                            |
| 29             | Documentary                   | Documentário             | Documentário                         | Document                            |
| 30             | <i>Not used</i>               |                          |                                      |                                     |
| 31             | <i>Not used</i>               |                          |                                      |                                     |

NOTE 1: This table forms part 1 of the International Table Identifier /0000 0001/ (see clause 5.7) which references the PTy codes for DAB use, **except** in North America.

NOTE 2: The notation \_ is used to indicate the use of the "space" character.

Table A.6: Spanish Programme types and 16-character and 8-character abbreviations

| Decimal Number | Programme type (see table 12) | Spanish PTy                   | Spanish 16-character abbreviation | Spanish 8-character abbreviation |
|----------------|-------------------------------|-------------------------------|-----------------------------------|----------------------------------|
| 0              | No programme type             | No se indica el tipo programa | Ninguno                           | Ninguno                          |
| 1              | News                          | Noticias                      | Noticias                          | Noticias                         |
| 2              | Current Affairs               | Magazin                       | Magazine                          | Magazine                         |
| 3              | Information                   | Información                   | Información                       | Info                             |
| 4              | Sport                         | Deportes                      | Deportes                          | Deportes                         |
| 5              | Education                     | Educación                     | Educación                         | Educa                            |
| 6              | Drama                         | Drama                         | Drama                             | Drama                            |
| 7              | Culture                       | Cultura                       | Cultura                           | Cultura                          |
| 8              | Science                       | Ciencia                       | Ciencia                           | Ciencia                          |
| 9              | Varied                        | Varios                        | Varios                            | Varios                           |
| 10             | Pop Music                     | Música Pop                    | Música _ Pop                      | M _ Pop                          |
| 11             | Rock Music                    | Música Rock                   | Música _ Rock                     | M _ Rock                         |
| 12             | Easy Listening Music          | Grand éxitos                  | Grandes _ éxitos                  | G _ éxitos                       |
| 13             | Light Classical               | Música Ligera                 | Música _ Ligera                   | M _ Ligera                       |
| 14             | Serious Classical             | Música Clásica                | Música _ Clásica                  | Clásica                          |
| 15             | Other Music                   | Otra Música                   | Música _ Varia                    | M _ Varia                        |
| 16             | Weather/meteorology           | Información Metereológica     | Meteorología                      | Meteo                            |
| 17             | Finance/Business              | Economía                      | Economía                          | Economía                         |
| 18             | Children's programmes         | Infancia                      | Infancia                          | Infancia                         |
| 19             | Social Affairs                | Sociedad                      | Sociedad                          | Sociedad                         |
| 20             | Religion                      | Religión                      | Religión                          | Religión                         |
| 21             | Phone In                      | Opinión                       | Opinión-Oyentes                   | Opinión                          |
| 22             | Travel                        | Viajes                        | Viajes                            | Viajes                           |
| 23             | Leisure                       | Ocio                          | Ocio                              | Ocio                             |
| 24             | Jazz Music                    | Música Jazz                   | Música _ Jazz                     | M _ Jazz                         |
| 25             | Country Music                 | Música Country                | Música _ Country                  | Country                          |
| 26             | National Music                | Música Nacional               | Música _ Nacional                 | Nacional                         |
| 27             | Oldies Music                  | Música de ayer                | Música _ de _ Ayer                | M _ Ayer                         |
| 28             | Folk Music                    | Música Folk                   | Música _ Folk                     | M _ Folk                         |
| 29             | Documentary                   | Documental                    | Documental                        | Docu                             |
| 30             | <i>Not used</i>               |                               |                                   |                                  |
| 31             | <i>Not used</i>               |                               |                                   |                                  |

NOTE 1: This table forms part 1 of the International Table Identifier /0000 0001/ (see clause 5.7) which references the PTy codes for DAB use, **except** in North America.

NOTE 2: The notation \_ is used to indicate the use of the "space" character.

Table A.7: Swedish Programme types and 16-character and 8-character abbreviations

| Decimal Number | Programme type (see table 12) | Swedish PTy                              | Swedish 16-character abbreviation | Swedish 8-character abbreviation |
|----------------|-------------------------------|--|-----------------------------------|----------------------------------|
| 0              | No programme type             | Programtypen saknas eller är odefinierad | Pty _ saknas                      | Pty _ sakn                       |
| 1              | News                          | Korta nyheter                            | Nyheter                           | Nyheter                          |
| 2              | Current Affairs               | Fördjupning av nyheter                   | Aktualiteter                      | Aktuellt                         |
| 3              | Information                   | Allmän information                       | Information                       | Info                             |
| 4              | Sport                         | Sport                                    | Sport                             | Sport                            |
| 5              | Education                     | Utbildningsprogram                       | Utbildning                        | Utbildn                          |
| 6              | Drama                         | Teater och program om teater             | Teater                            | Teater                           |
| 7              | Culture                       | Kultur i bred mening                     | Kultur                            | Kultur                           |
| 8              | Science                       | Vetenskapsprogram                        | Vetenskap                         | Vetenskp                         |
| 9              | Varied                        | Underhållningsprogram                    | Underhållning                     | Underh                           |
| 10             | Pop Music                     | Populärmusik                             | Popmusik                          | Pop                              |
| 11             | Rock Music                    | Rockmusik                                | Rockmusik                         | Rock                             |
| 12             | Easy Listening Music          | Underhållningsmusik                      | Lättlyssnat                       | Lättlyss                         |
| 13             | Light Classical               | Lätt klassisk musik(ej kompletta verk)   | Lätt _ klassiskt                  | L _ klass                        |
| 14             | Serious Classical             | Kompletta klassiska verk                 | Klassisk _ musik                  | Klassisk                         |
| 15             | Other Music                   | Övrig Musik                              | Övrig _ musik                     | Övrig _ m                        |
| 16             | Weather/meteorology           | Väderrapporter                           | Väder                             | Väder                            |
| 17             | Finance/Business              | Ekonomiprogram                           | Ekonomi                           | Ekonomi                          |
| 18             | Children's programmes         | Barnprogram                              | För _ barn                        | För _ barn                       |
| 19             | Social Affairs                | Program om sociala frågor                | Sociala _ frågor                  | Socialt                          |
| 20             | Religion                      | Andliga frågor                           | Andliga _ frågor                  | Andligt                          |
| 21             | Phone In                      | Telefonväkteri                           | Telefonväkteri                    | Telefon                          |
| 22             | Travel                        | Resor och semester                       | Resor _ & _ semester              | Resor                            |
| 23             | Leisure                       | Fritid och hobby                         | Fritid _ & _ hobby                | Fritid                           |
| 24             | Jazz Music                    | Jazzmusik                                | Jazzmusik                         | Jazz                             |
| 25             | Country Music                 | Countrymusik                             | Countrymusik                      | Country                          |
| 26             | National Music                | Nationell musik                          | Nationell _ musik                 | Nation _ m                       |
| 27             | Oldies Music                  | Klassisk pop                             | Gamla _ godingar                  | Oldies                           |
| 28             | Folk Music                    | Folkmusik                                | Folkmusik                         | Folkm                            |
| 29             | Documentary                   | Dokumentärer                             | Dokumentärer                      | Dokument                         |
| 30             | <i>Not used</i>               |  |                                   |                                  |
| 31             | <i>Not used</i>               |  |                                   |                                  |

NOTE 1: This table forms part 1 of the International Table Identifier /0000 0001/ (see clause 5.7) which references the PTy codes for DAB use, **except** in North America.

NOTE 2: The notation \_ is used to indicate the use of the "space" character.

Table A.8: Finnish Programme types and 16-character and 8-character abbreviations

| Decimal Number | Programme type (see table 12) | Finnish PTy | Finnish 16-character abbreviation | Finnish 8-character abbreviation |
|----------------|-------------------------------|-------------|-----------------------------------|----------------------------------|
| 0              | No programme type             |             | Ei _ määritely                    | Ei _ määr.                       |
| 1              | News                          |             | Uutiset                           | Uutiset                          |
| 2              | Current Affairs               |             | Ajankohtaista                     | Ajankoht                         |
| 3              | Information                   |             | Tiedotuksia                       | Tiedoksi                         |
| 4              | Sport                         |             | Urheilu                           | Urheilu                          |
| 5              | Education                     |             | Opetus                            | Opetus                           |
| 6              | Drama                         |             | Kuunnelma                         | Kuunn.                           |
| 7              | Culture                       |             | Kulttuuri                         | Kultt.                           |
| 8              | Science                       |             | Tiede                             | Tiede                            |
| 9              | Varied                        |             | Puheviihde                        | P-viihde                         |
| 10             | Pop Music                     |             | Pop                               | Pop                              |
| 11             | Rock Music                    |             | Rock                              | Rock                             |
| 12             | Easy Listening Music          |             | Kevyt _ musiikki                  | Kevyttä                          |
| 13             | Light Classical               |             | Kevyt _ klassinen                 | K. _ klass                       |
| 14             | Serious Classical             |             | Klassinen                         | Klass.                           |
| 15             | Other Music                   |             | Muu _ musiikki                    | Muu _ mus.                       |
| 16             | Weather/meteorology           |             | Sää tiedotus                      | Sää                              |
| 17             | Finance/Business              |             | Talousohjelma                     | Talous                           |
| 18             | Children's programmes         |             | Lastenohjelma                     | Lapsille                         |
| 19             | Social Affairs                |             | Yhteiskunta                       | Yhtkunta                         |
| 20             | Religion                      |             | Uskonto                           | Uskonto                          |
| 21             | Phone In                      |             | Yleisökontakti                    | Kontakti                         |
| 22             | Travel                        |             | Matkailu                          | Matkailu                         |
| 23             | Leisure                       |             | Vapaa-aika                        | Vap.aika                         |
| 24             | Jazz Music                    |             | Jazz                              | Jazz                             |
| 25             | Country Music                 |             | Country                           | Country                          |
| 26             | National Music                |             | Kotim. _ musiikki                 | Kotim.                           |
| 27             | Oldies Music                  |             | Oldies                            | Oldies                           |
| 28             | Folk Music                    |             | Kansanmusiikki                    | Kansanm.                         |
| 29             | Documentary                   |             | Dokumentti                        | Dokum.                           |
| 30             | <i>Not used</i>               |             |                                   |                                  |
| 31             | <i>Not used</i>               |             |                                   |                                  |

NOTE 1: This table forms part 1 of the International Table Identifier /0000 0001/ (see clause 5.7) which references the PTy codes for DAB use, **except** in North America.

NOTE 2: The notation \_ is used to indicate the use of the "space" character.

## Annex B (informative): Announcement type codes, translations

Tables are not shown in alphabetical order, because new tables may be added at the end of this annex in the future.

**Table B.1: Danish Announcement types, 16-character and 8-character abbreviations**

| Bit Flag        | Announcement type<br>(see tables 14 and 15) | Danish 16-character<br>abbreviation | Danish 8-character<br>abbreviation |
|-----------------|---|-------------------------------------|------------------------------------|
| b <sub>0</sub>  | Alarm                                       | Alarm                               | Alarm                              |
| b <sub>1</sub>  | Road Traffic flash                          | Trafik                              | Trafik                             |
| b <sub>2</sub>  | Transport flash                             | Kollektiv _ Trafik                  | Trafik                             |
| b <sub>3</sub>  | Warning/Service                             | Advarsel                            | Advarsel                           |
| b <sub>4</sub>  | News flash                                  | Nyheder                             | Nyheder                            |
| b <sub>5</sub>  | Area weather flash                          | Vejret                              | Vejret                             |
| b <sub>6</sub>  | Event announcement                          | Arrangementer                       | Arrangementer                      |
| b <sub>7</sub>  | Special event                               | Begivenhed                          | Begivenhed                         |
| b <sub>8</sub>  | Programme Information                       | Radio _ info                        | Radio _ info                       |
| b <sub>9</sub>  | Sport report                                | Sport                               | Sport                              |
| b <sub>10</sub> | Financial report                            | Økonomi                             | Økonomi                            |
| b <sub>11</sub> | Reserved for future definition              | tba                                 | tba                                |
| b <sub>12</sub> | Reserved for future definition              | tba                                 | tba                                |
| b <sub>13</sub> | Reserved for future definition              | tba                                 | tba                                |
| b <sub>14</sub> | Reserved for future definition              | tba                                 | tba                                |
| b <sub>15</sub> | Reserved for future definition              | tba                                 | tba                                |

NOTE: The notation \_ is used to indicate the use of the "space" character.

**Table B.2: Dutch Announcement types, 16-character and 8-character abbreviations**

| Bit Flag        | Announcement type<br>(see tables 14 and 15) | Dutch 16-character<br>abbreviation | Dutch 8-character<br>abbreviation |
|-----------------|---|------------------------------------|-----------------------------------|
| b <sub>0</sub>  | Alarm                                       | Alarm                              | Alarm                             |
| b <sub>1</sub>  | Road Traffic flash                          | Verkeersinfo                       | Verkeer                           |
| b <sub>2</sub>  | Transport flash                             | Openbaar _ vervoer                 | Openb.V.                          |
| b <sub>3</sub>  | Warning/Service                             | Waarschuwing                       | Opgelet                           |
| b <sub>4</sub>  | News flash                                  | Nieuwsbericht                      | Nieuws                            |
| b <sub>5</sub>  | Area weather flash                          | Weerbericht                        | Het _ weer                        |
| b <sub>6</sub>  | Event announcement                          | Melding                            | Melding                           |
| b <sub>7</sub>  | Special event                               | Speciaal bericht                   | Speciaal                          |
| b <sub>8</sub>  | Programme Information                       | Radio-informatie                   | Radio _ Inf                       |
| b <sub>9</sub>  | Sport report                                | Sportbericht                       | Sport                             |
| b <sub>10</sub> | Financial report                            | Financieel                         | Financ.                           |
| b <sub>11</sub> | Reserved for future definition              | tba                                | tba                               |
| b <sub>12</sub> | Reserved for future definition              | tba                                | tba                               |
| b <sub>13</sub> | Reserved for future definition              | tba                                | tba                               |
| b <sub>14</sub> | Reserved for future definition              | tba                                | tba                               |
| b <sub>15</sub> | Reserved for future definition              | tba                                | tba                               |

NOTE: The notation \_ is used to indicate the use of the "space" character.

**Table B.3: French Announcement types, 16-character and 8-character abbreviations**

| Bit Flag        | Announcement type<br>(see tables 14 and 15) | French 16-character<br>abbreviation | French 8-character<br>abbreviation |
|-----------------|---|-------------------------------------|------------------------------------|
| b <sub>0</sub>  | Alarm                                       | Alerte _ générale                   | Alerte                             |
| b <sub>1</sub>  | Road Traffic flash                          | Trafic _ routier                    | Trafic                             |
| b <sub>2</sub>  | Transport flash                             | Transport/commun                    | Transpor                           |
| b <sub>3</sub>  | Warning/Service                             | Incidents                           | Incident                           |
| b <sub>4</sub>  | News flash                                  | Les _ actualités                    | Nouvelle                           |
| b <sub>5</sub>  | Area weather flash                          | Flash _ Météo                       | Météo                              |
| b <sub>6</sub>  | Event announcement                          | Évènement                           | Flash                              |
| b <sub>7</sub>  | Special event                               | Flash _ spécial                     | Spécial                            |
| b <sub>8</sub>  | Programme Information                       | Infos _ radio                       | Info _ rad                         |
| b <sub>9</sub>  | Sport report                                | Infos _ sport                       | Sport                              |
| b <sub>10</sub> | Financial report                            | Financier                           | Finances                           |
| b <sub>11</sub> | Reserved for future definition              | tba                                 | tba                                |
| b <sub>12</sub> | Reserved for future definition              | tba                                 | tba                                |
| b <sub>13</sub> | Reserved for future definition              | tba                                 | tba                                |
| b <sub>14</sub> | Reserved for future definition              | tba                                 | tba                                |
| b <sub>15</sub> | Reserved for future definition              | tba                                 | tba                                |

NOTE: The notation \_ is used to indicate the use of the "space" character.

**Table B.4: German Announcement types, 16-character and 8-character abbreviations**

| Bit Flag        | Announcement type<br>(see tables 14 and 15) | German 16-character<br>abbreviation | German 8-character<br>abbreviation |
|-----------------|---|-------------------------------------|------------------------------------|
| b <sub>0</sub>  | Alarm                                       | Alarm                               | Alarm                              |
| b <sub>1</sub>  | Road Traffic flash                          | Verkehr                             | Verkehr                            |
| b <sub>2</sub>  | Transport flash                             | Reisen                              | Reisen                             |
| b <sub>3</sub>  | Warning/Service                             | Warnung                             | Warnung                            |
| b <sub>4</sub>  | News flash                                  | Aktuelles                           | Aktuell                            |
| b <sub>5</sub>  | Area weather flash                          | Wetter                              | Wetter                             |
| b <sub>6</sub>  | Event announcement                          | Service                             | Service                            |
| b <sub>7</sub>  | Special event                               | Eilmeldung                          | Eilmeld                            |
| b <sub>8</sub>  | Programme Information                       | Programm _ Info                     | Prog _ Inf                         |
| b <sub>9</sub>  | Sport report                                | Sport                               | Sport                              |
| b <sub>10</sub> | Financial report                            | Wirtschaft                          | Wirtsch                            |
| b <sub>11</sub> | Reserved for future definition              | tba                                 | tba                                |
| b <sub>12</sub> | Reserved for future definition              | tba                                 | tba                                |
| b <sub>13</sub> | Reserved for future definition              | tba                                 | tba                                |
| b <sub>14</sub> | Reserved for future definition              | tba                                 | tba                                |
| b <sub>15</sub> | Reserved for future definition              | tba                                 | tba                                |

NOTE: The notation \_ is used to indicate the use of the "space" character.

**Table B.5: Norwegian Announcement types, 16-character and 8-character abbreviations**

| Bit Flag        | Announcement type<br>(see tables 14 and 15) | Norwegian 16-character<br>abbreviation | Norwegian 8-character<br>abbreviation |
|-----------------|---|--|---------------------------------------|
| b <sub>0</sub>  | Alarm                                       | ALARM                                  | ALARM                                 |
| b <sub>1</sub>  | Road Traffic flash                          | Veitrafikk                             | Trafikk                               |
| b <sub>2</sub>  | Transport flash                             | Rutetrafikk                            | Ruteinfo                              |
| b <sub>3</sub>  | Warning/Service                             | Service                                | Service                               |
| b <sub>4</sub>  | News flash                                  | Nyheter                                | Nyheter                               |
| b <sub>5</sub>  | Area weather flash                          | Vær                                    | Vær                                   |
| b <sub>6</sub>  | Event announcement                          | Arrangementer                          | Arrangem                              |
| b <sub>7</sub>  | Special event                               | I _ dag                                | I _ dag                               |
| b <sub>8</sub>  | Programme Information                       | Programinfo                            | Proginfo                              |
| b <sub>9</sub>  | Sport report                                | Sportsnytt                             | Sport                                 |
| b <sub>10</sub> | Financial report                            | Økonominytt                            | Økonomi                               |
| b <sub>11</sub> | Reserved for future definition              | tba                                    | tba                                   |
| b <sub>12</sub> | Reserved for future definition              | tba                                    | tba                                   |
| b <sub>13</sub> | Reserved for future definition              | tba                                    | tba                                   |
| b <sub>14</sub> | Reserved for future definition              | tba                                    | tba                                   |
| b <sub>15</sub> | Reserved for future definition              | tba                                    | tba                                   |

NOTE: The notation \_ is used to indicate the use of the "space" character.

**Table B.6: Spanish Announcement types, 16-character and 8-character abbreviations**

| Bit Flag        | Announcement type<br>– see tables 14 and 15 | Spanish 16-character<br>abbreviation | Spanish 8-character<br>abbreviation |
|-----------------|---|--------------------------------------|-------------------------------------|
| b <sub>0</sub>  | Alarm                                       | Alarma                               | Alarma                              |
| b <sub>1</sub>  | Road Traffic flash                          | Info _ Tráfico                       | Tráfico                             |
| b <sub>2</sub>  | Transport flash                             | Info _ Viaje                         | Viaje                               |
| b <sub>3</sub>  | Warning/Service                             | Aviso                                | Aviso                               |
| b <sub>4</sub>  | News flash                                  | Noticias                             | Noticias                            |
| b <sub>5</sub>  | Area weather flash                          | Meteorología                         | Meteo                               |
| b <sub>6</sub>  | Event announcement                          | Suceso                               | Suceso                              |
| b <sub>7</sub>  | Special event                               | Suceso _ Especial                    | Especial                            |
| b <sub>8</sub>  | Programme Information                       | InformacionRadio                     | InfRadio                            |
| b <sub>9</sub>  | Sport report                                | Deportes                             | Deportes                            |
| b <sub>10</sub> | Financial report                            | Economía                             | Economía                            |
| b <sub>11</sub> | Reserved for future definition              | tba                                  | tba                                 |
| b <sub>12</sub> | Reserved for future definition              | tba                                  | tba                                 |
| b <sub>13</sub> | Reserved for future definition              | tba                                  | tba                                 |
| b <sub>14</sub> | Reserved for future definition              | tba                                  | tba                                 |
| b <sub>15</sub> | Reserved for future definition              | tba                                  | tba                                 |

NOTE: The notation \_ is used to indicate the use of the "space" character.

**Table B.7: Slovenian Announcement types, 16-character and 8-character abbreviations**

| Bit Flag        | Announcement type<br>(see tables 14 and 15) | Slovenian 16-character<br>abbreviation | Slovenian 8-character<br>abbreviation |
|-----------------|---|--|---------------------------------------|
| b <sub>0</sub>  | Alarm                                       | Alarm                                  | Alarm                                 |
| b <sub>1</sub>  | Road Traffic flash                          | Promet                                 | Promet                                |
| b <sub>2</sub>  | Transport flash                             | Javni _ prevoz                         | Prevozi                               |
| b <sub>3</sub>  | Warning/Service                             | Opozorilo                              | Pozor                                 |
| b <sub>4</sub>  | News flash                                  | Vest                                   | Vest                                  |
| b <sub>5</sub>  | Area weather flash                          | Vreme                                  | Vreme                                 |
| b <sub>6</sub>  | Event announcement                          | Dogodek                                | Dogodek                               |
| b <sub>7</sub>  | Special event                               | Izredni _ dogodek                      | Nujno                                 |
| b <sub>8</sub>  | Programme Information                       | Radio _ program                        | Radio                                 |
| b <sub>9</sub>  | Sport report                                | Sport                                  | Sport                                 |
| b <sub>10</sub> | Financial report                            | Finance                                | Finance                               |
| b <sub>11</sub> | Reserved for future definition              | tba                                    | tba                                   |
| b <sub>12</sub> | Reserved for future definition              | tba                                    | tba                                   |
| b <sub>13</sub> | Reserved for future definition              | tba                                    | tba                                   |
| b <sub>14</sub> | Reserved for future definition              | tba                                    | tba                                   |
| b <sub>15</sub> | Reserved for future definition              | tba                                    | tba                                   |

NOTE: The notation \_ is used to indicate the use of the "space" character.

**Table B.8: Swedish Announcement types, 16-character and 8-character abbreviations**

| Bit Flag        | Announcement type<br>(see tables 14 and 15) | Swedish 16-character<br>abbreviation | Swedish 8-character<br>abbreviation |
|-----------------|---|--------------------------------------|-------------------------------------|
| b <sub>0</sub>  | Alarm                                       | !!LARM!!                             | !!LARM!!                            |
| b <sub>1</sub>  | Road Traffic flash                          | Vägtrafikinfo                        | Väginfo                             |
| b <sub>2</sub>  | Transport flash                             | Kollektivtrafik                      | Koll.tra                            |
| b <sub>3</sub>  | Warning/Service                             | Serviceinfo                          | Service                             |
| b <sub>4</sub>  | News flash                                  | Nyheter                              | Nyheter                             |
| b <sub>5</sub>  | Area weather flash                          | Väder                                | Väder                               |
| b <sub>6</sub>  | Event announcement                          | Evenemangsinfo                       | Evenema                             |
| b <sub>7</sub>  | Special event                               | Extrasändning                        | Extra                               |
| b <sub>8</sub>  | Programme Information                       | Programinfo                          | Prgminfo                            |
| b <sub>9</sub>  | Sport report                                | Sportnyheter                         | Sportnyh                            |
| b <sub>10</sub> | Financial report                            | Ekonominyheter                       | Ekonomi                             |
| b <sub>11</sub> | Reserved for future definition              | tba                                  | tba                                 |
| b <sub>12</sub> | Reserved for future definition              | tba                                  | tba                                 |
| b <sub>13</sub> | Reserved for future definition              | tba                                  | tba                                 |
| b <sub>14</sub> | Reserved for future definition              | tba                                  | tba                                 |
| b <sub>15</sub> | Reserved for future definition              | tba                                  | tba                                 |

NOTE: The notation \_ is used to indicate the use of the "space" character.



**Table B.9: Finnish Announcement types, 16-character and 8-character abbreviations**

| Bit Flag        | Announcement type<br>(see tables 14 and 15) | Finnish 16-character<br>abbreviation | Finnish 8-character<br>abbreviation |
|-----------------|---|--------------------------------------|-------------------------------------|
| b <sub>0</sub>  |   | HÄLYTYS                              | HÄLYTYS                             |
| b <sub>1</sub>  |   | Liikennetiedote                      | Liikenne                            |
| b <sub>2</sub>  | Transport flash                             | Joukkoliikenne                       | Joukkol.                            |
| b <sub>3</sub>  | Warning/Service                             | Varoituksia                          | Varoitus                            |
| b <sub>4</sub>  | News flash                                  | Uutiset                              | Uutiset                             |
| b <sub>5</sub>  | Area weather flash                          | Säätiedotus                          | Sää                                 |
| b <sub>6</sub>  | Alarm                                       | Tapahtumatiedot                      | Tapahtuu                            |
| b <sub>7</sub>  | Road Traffic flash                          | Erikoistiedote                       | Erikois                             |
| b <sub>8</sub>  | Programme Information                       | Ohjelmatiedot                        | Ohjelmat                            |
| b <sub>9</sub>  | Sport report                                | Urheilu-uutiset                      | Urheilu                             |
| b <sub>10</sub> | Financial report                            | Talousuutiset                        | Talous                              |
| b <sub>11</sub> | Reserved for future definition              | tba                                  | tba                                 |
| b <sub>12</sub> | Reserved for future definition              | tba                                  | tba                                 |
| b <sub>13</sub> | Reserved for future definition              | tba                                  | tba                                 |
| b <sub>14</sub> | Reserved for future definition              | tba                                  | tba                                 |
| b <sub>15</sub> | Reserved for future definition              | tba                                  | tba                                 |

NOTE: The notation \_ is used to indicate the use of the "space" character.

**Table B.10: Italian Announcement types, 16-character and 8-character abbreviations**

| Bit Flag        | Announcement type<br>(see tables 14 and 15) | Italian 16-character<br>abbreviation | Italian 8-character<br>abbreviation |
|-----------------|---|--------------------------------------|-------------------------------------|
| b <sub>0</sub>  | Alarm                                       | Allarme                              | Allarme                             |
| b <sub>1</sub>  | Road Traffic flash                          | Situaz. _ Traffico                   | Traffico                            |
| b <sub>2</sub>  | Transport flash                             | Trasporti                            | Trasporti                           |
| b <sub>3</sub>  | Warning/Service                             | Comun. _ Servizio                    | Servizio                            |
| b <sub>4</sub>  | News flash                                  | Notizie _ flash                      | Notizie                             |
| b <sub>5</sub>  | Area weather flash                          | Meteo _ locale                       | Meteo                               |
| b <sub>6</sub>  | Event announcement                          | Annuncio _ evento                    | Evento                              |
| b <sub>7</sub>  | Special event                               | Evento _ speciale                    | Speciale                            |
| b <sub>8</sub>  | Programme Information                       | Info _ programma                     | ProgInfo                            |
| b <sub>9</sub>  | Sport report                                | Notizie _ sportive                   | Sport                               |
| b <sub>10</sub> | Financial report                            | Economia _ Finanza                   | Economia                            |
| b <sub>11</sub> | Reserved for future definition              | tba                                  | tba                                 |
| b <sub>12</sub> | Reserved for future definition              | tba                                  | tba                                 |
| b <sub>13</sub> | Reserved for future definition              | tba                                  | tba                                 |
| b <sub>14</sub> | Reserved for future definition              | tba                                  | tba                                 |
| b <sub>15</sub> | Reserved for future definition              | tba                                  | tba                                 |

NOTE: The notation \_ is used to indicate the use of the "space" character.

**Table B.11: Turkish Announcement types, 16-character and 8-character abbreviations**

| Bit Flag        | Announcement type<br>(see tables 14 and 15) | Turkish 16-character<br>abbreviation | Turkish 8-character<br>abbreviation |
|-----------------|---|--------------------------------------|-------------------------------------|
| b <sub>0</sub>  | Alarm                                       | Alarm                                | Alarm                               |
| b <sub>1</sub>  | Road Traffic flash                          | Yol _ Trafik                         | Trafik                              |
| b <sub>2</sub>  | Transport flash                             | Ulaşım                               | Ulaşım                              |
| b <sub>3</sub>  | Warning/Service                             | Uyarı                                | Uyarı                               |
| b <sub>4</sub>  | News flash                                  | Haberler                             | Haberler                            |
| b <sub>5</sub>  | Area weather flash                          | Hava _ durumu                        | Hava                                |
| b <sub>6</sub>  | Event announcement                          | Etkinlik                             | Etkinlik                            |
| b <sub>7</sub>  | Special event                               | Özel _ olay                          | Özel                                |
| b <sub>8</sub>  | Programme Information                       | Radyoda _ bugün                      | Radyoda                             |
| b <sub>9</sub>  | Sport report                                | Spor                                 | Spor                                |
| b <sub>10</sub> | Financial report                            | Finans _ haberleri                   | Finans                              |
| b <sub>11</sub> | Reserved for future definition              | tba                                  | tba                                 |
| b <sub>12</sub> | Reserved for future definition              | tba                                  | tba                                 |
| b <sub>13</sub> | Reserved for future definition              | tba                                  | tba                                 |
| b <sub>14</sub> | Reserved for future definition              | tba                                  | tba                                 |
| b <sub>15</sub> | Reserved for future definition              | tba                                  | tba                                 |

NOTE 1: The notation \_ is used to indicate the use of the "space" character.  
NOTE 2: The Turkish characters used in row b2 and b3 are *electronically* correct, but do NOT print correctly on all printers.

**Table B.12: Portuguese Announcement types, 16-character and 8-character abbreviations**

| Bit Flag        | Announcement type<br>(see tables 14 and 15) | Portuguese 16-character<br>abbreviation | Portuguese 8-character<br>abbreviation |
|-----------------|---|---|--|
| b <sub>0</sub>  | Alarm                                       | Alarme                                  | Alarme                                 |
| b <sub>1</sub>  | Road Traffic flash                          | Trânsito                                | Trânsito                               |
| b <sub>2</sub>  | Transport flash                             | Transportes                             | Transpor                               |
| b <sub>3</sub>  | Warning/Service                             | Aviso                                   | Aviso                                  |
| b <sub>4</sub>  | News flash                                  | Notícias                                | Notícias                               |
| b <sub>5</sub>  | Area weather flash                          | Meteorologia                            | Meteo                                  |
| b <sub>6</sub>  | Event announcement                          | Acontecimento                           | Acontece                               |
| b <sub>7</sub>  | Special event                               | Especial                                | Especial                               |
| b <sub>8</sub>  | Programme Information                       | Informação _ Rádio                      | InfRadio                               |
| b <sub>9</sub>  | Sport report                                | Desporto                                | Desporto                               |
| b <sub>10</sub> | Financial report                            | Economia                                | Economia                               |
| b <sub>11</sub> | Reserved for future definition              | tba                                     | tba                                    |
| b <sub>12</sub> | Reserved for future definition              | tba                                     | tba                                    |
| b <sub>13</sub> | Reserved for future definition              | tba                                     | tba                                    |
| b <sub>14</sub> | Reserved for future definition              | tba                                     | tba                                    |
| b <sub>15</sub> | Reserved for future definition              | tba                                     | tba                                    |

NOTE: The notation \_ is used to indicate the use of the "space" character.

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## History

| <b>Document history</b> |               |             |
|-------------------------|---------------|-------------|
| V1.1.1                  | October 2000  | Publication |
| V1.2.1                  | January 2005  | Publication |
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