



Radiocommunications (Digital Radio Channels — Tasmania) Plan 2007

Radiocommunications Act 1992

The AUSTRALIAN COMMUNICATIONS AND MEDIA AUTHORITY makes this Plan under subsection 44A (1) of the *Radiocommunications Act 1992*.

Dated 6 December 2007

Chris Chapman
[signed]
Member

Lyn Maddock
[signed]
Member

Australian Communications and Media Authority

1 Name of Plan

This Plan is the *Radiocommunications (Digital Radio Channels — Tasmania) Plan 2007*.

2 Commencement

This Plan commences on the day after it is registered.

3 Definitions

In this Plan:

Act means the *Radiocommunications Act 1992*.

category means a category of digital radio multiplex transmitter licence described in section 5 of the Act.

DAB means digital audio broadcasting.

designated BSA radio area means:

- (a) the BSA licence area (within the meaning of the *Broadcasting Services Act 1992*) of a commercial radio broadcasting licence; or
- (b) the BSA licence area of a community radio broadcasting licence, where that BSA licence area is the same (or is deemed to be the same) as the BSA licence area of a commercial radio broadcasting licence.

frequency block means a frequency channel of 1.536 MHz bandwidth.

maximum antenna height means the maximum permitted height above ground level of the electrical centre of an antenna.

technical planning guidelines means the guidelines made under section 33 of the *Broadcasting Services Act 1992*, as in force from time to time.

4 Digital radio channel plans

- (1) For subsection 44A (1) of the Act, each Schedule is a digital radio channel plan for the designated BSA radio area specified in that Schedule.
- (2) The digital radio channel plan specified in a Schedule:
 - (a) allots a frequency block or blocks in relation to the designated BSA radio area for use by digital radio multiplex transmitter licensees; and
 - (b) reserves a frequency block for a category 3 digital radio multiplex transmitter licence for the designated BSA radio area to be issued in accordance with subsection 102E (2) of the Act; and
 - (c) determines which of the following types of licences, or which combination of the following types of licences, are to be issued for the designated BSA radio area:
 - (i) category 1 digital radio multiplex transmitter licence;
 - (ii) category 2 digital radio multiplex transmitter licence; and
 - (d) if a particular type of licence mentioned in paragraph (c) is to be issued for the designated BSA radio area — determines whether:
 - (i) a single licence of that type is to be issued for the designated BSA radio area; or
 - (ii) 2 or more licences of that type are to be issued for the designated BSA radio area; and
 - (e) determines technical specifications of multiplex transmitters operated under digital radio multiplex transmitter licences for the designated BSA radio area.

Note The relevant technical specifications are set out in each Schedule as “attachments”.

Schedule 1 Hobart RA1

(subsection 4 (1))

Designated BSA radio area

Hobart RA1

Table 1 Frequency channels

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7
Multiplex Name	Frequency block	Reserved frequency block	Centre frequency (MHz)	Category	Technical Specification Number	Technical Specifications (Attachment number)
Hobart 1	12B	No	225.648	1	TS1132489	1.1
Hobart 2	12D	Yes	229.072	3	TS1132491	1.2

Table 2 Number of licences to be issued

Column 1	Column 2
Licence Category	Number of licences
Category 1	1
Category 2	0
Category 3	1

Attachment 1.1 Multiplex Hobart 1

Column 1 Technical specification	Column 2 Details
Category	1
General Area Served	Hobart
Mode	DAB
Specification Number	TS1132489
<i>Transmitter Site</i>	
Nominal Location	NTL Tower MT WELLINGTON
Australian Map Grid Reference 1966	Zone Easting Northing
	55 519185 5250351
Site Tolerance	Refer to technical planning guidelines
<i>Emission</i>	
Frequency Band	VHF
Centre Frequency	225.648 MHz (Frequency Block 12B)
Polarisation	Vertical
Maximum antenna height	103 m
<i>Output Radiation Pattern</i>	
Bearing or Sector (Clockwise direction)	Maximum ERP
0° T – 314° T	12.5 kW
314° T – 323° T	3.13 kW
323° T – 360° T	12.5 kW

Attachment 1.2 Multiplex Hobart 2

Column 1 Technical specification	Column 2 Details
Category	3
General Area Served	Hobart
Mode	DAB
Specification Number	TS1132491
<i>Transmitter Site</i>	
Nominal Location	NTL Tower MT WELLINGTON
Australian Map Grid Reference 1966	Zone Easting Northing 55 519185 5250351
Site Tolerance	Refer to technical planning guidelines
<i>Emission</i>	
Frequency Band	VHF
Centre Frequency	229.072 MHz (Frequency Block 12D)
Polarisation	Vertical
Maximum antenna height	103 m
<i>Output Radiation Pattern</i>	
Bearing or Sector (Clockwise direction)	Maximum ERP
0° T – 314° T	12.5 kW
314° T – 323° T	3.13 kW
323° T – 360° T	12.5 kW

Additional technical specification

The radiated signal characteristics of the transmitter must comply with the spectrum mask for VHF transmitters in critical areas for adjacent channel interference as specified in clause 15.4 of standard ETSI EN 300 401 V1.4.1, issued by the European Telecommunications Standard Institute.