Radiocommunications (Digital Radio Channels – Northern Territory) Plan 2017

The Australian Communications and Media Authority makes the following plan under subsection 44A(1) of the *Radiocommunications Act 1992*.

Dated: 18 May 2017

Richard Bean
[signed]
Member

James Cameron
[signed]
Member/~~General Manager~~

Australian Communications and Media Authority

1 Name

This is the *Radiocommunications (Digital Radio Channels – Northern Territory) Plan 2017*.

2 Commencement

This instrument commences at the start of the day after it is registered on the Federal Register of Legislation.

Note: The Federal Register of Legislation may be accessed at www.legislation.gov.au.

3 Authority

This instrument is made under subsection 44A(1) of the *Radiocommunications Act 1992*.

4 Definitions

(1) In this instrument:

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.

ERP means effective radiated power.

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.

Note: A number of expressions used in this instrument are defined in the Act, including the following:

(a) category 1 digital radio multiplex transmitter licence;

(b) category 2 digital radio multiplex transmitter licence;

(c) category 3 digital radio transmitter licence; and

(d) designated BSA radio area.

(2) In this instrument, unless the contrary intention appears:

(a) a reference to any other legislative instrument is a reference to that other legislative instrument as in force from time to time; and

(b) a reference to any other kind of instrument or writing is a reference to that other kind of instrument or writing as in existence from time to time.

Note 1: For references to Commonwealth Acts, see section 10 of the *Acts Interpretation Act 1901*; and see also subsection 13(1) of the *Legislation Act 2003* for the application of the *Acts Interpretation Act 1901* to legislative instruments,

Note 2: All Commonwealth Acts and legislative instruments are registered on the Federal Register of Legislation.

5 Digital radio channel plans

(1) For subsection 44A (1) of the Act, the Schedule to this instrument is a digital radio channel plan for the designated BSA radio area specified in that Schedule.

(2) The digital radio channel plan specified in the 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 Attachments to the Schedule.

6 Maximum ERP limits

(1) For each digital radio multiplex transmitter, the ERP of that transmitter in any part of a sector or bearing must not exceed the maximum ERP specified in the output radiation pattern table for that sector or bearing in the relevant Attachment.

(2) The licensee of a digital radio multiplex transmitter must, if requested by the ACMA to do so, demonstrate, to the satisfaction of the ACMA, that the ERP of a transmitter in any part of a sector or bearing specified by the ACMA complies with this section.

7 Co-channel transmitters

The technical specifications for a co-channel transmitter licensed under a relevant digital radio multiplex transmitter licence are those specified in the licence.

Schedule 1 Darwin RA1

(subsection 5 (1))

Designated BSA radio area

Darwin RA1

Table 1 Frequency channels

Column 1 Multiplex transmitter licence name	Column 2 Frequency block	Column 3 Reserved frequency block	Column 4 Centre frequency (MHz)	Column 5 Category	Column 6 Technical specification number	Column 7 Technical specifications (attachment number)	Column 8 General area served
Darwin 1	9A	No	202.928	1	TS12000070	1.1	Darwin
Darwin 2	9C	Yes	206.352	3	TS12000072	1.2	Darwin

Note: Column 8 is included for information only.

Table 2 Type and number of licences to be issued

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

Attachment 1.1 Darwin 1

Column 1 Technical specification	Column 2 Details	
Category	1	
General Area Served	Darwin	
Mode	DAB	
Specification Number	TS12000070	
Transmitter Site		
Nominal Location	Broadcast Australia Site 100 Deloraine Rd SHOAL BAY	
Nominal Coordinates (GDA94)	***Latitude***	***Longitude***
	12.414473º S	130.969253º E
Emission		
Frequency Block	9A	
Polarisation	Vertical	
Maximum antenna height	105 m	
Output Radiation Pattern		

Bearing or sector (clockwise direction)	Maximum ERP
At all angles of azimuth	20 kW

Advisory Note

Transmissions may need to operate with a power limitation to limit interference to adjacent facilities managed by the Department of Defence.

Attachment 1.2 Darwin 2

Column 1 Technical specification	Column 2 Details	
Category	3	
General Area Served	Darwin	
Mode	DAB	
Specification Number	TS12000072	
Transmitter Site		
Nominal Location	Broadcast Australia Site 100 Deloraine Rd SHOAL BAY	
Nominal Coordinates (GDA94)	***Latitude***	***Longitude***
	12.414473º S	130.969253º E
Emission		
Frequency Block	9C	
Polarisation	Vertical	
Maximum antenna height	105 m	
Output Radiation Pattern		

Bearing or sector (clockwise direction)	Maximum ERP
At all angles of azimuth	20 kW

Advisory Note

Transmissions may need to operate with a power limitation to limit interference to adjacent facilities managed by the Department of Defence.