

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](http://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:

1. category 1 digital radio multiplex transmitter licence;
2. category 2 digital radio multiplex transmitter licence;
3. category 3 digital radio transmitter licence; and
4. designated BSA radio area.
5. In this instrument, unless the contrary intention appears:
6. a reference to any other legislative instrument is a reference to that other legislative instrument as in force from time to time; and
7. 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 radiomultiplex 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. | |