

# Variation to Licence Area Plan Deniliquin Radio – No.1 of 2010

MARCH 2010

# Variation to Licence Area Plan for Deniliquin Radio – No.1 of 2010

## 1. Enabling legislation

The Australian Communications and Media Authority makes this instrument under subsection 26(2) of the *Broadcasting Services Act 1992*.

## 2. Name of Instrument

This instrument is the *Variation to the Licence Area Plan for Deniliquin Radio – No. 1 of 2010*.

## 3. Commencement

This instrument commences the day after it is registered.

*Note:* An instrument is registered when it is recorded on the Federal Register of Legislative Instruments (FRLI) in electronic form: see the Legislative Instruments Act 2003, s4 (definition of register). The FRLI may be accessed at <http://www.frli.gov.au>

## 4. Variation

The *Licence Area Plan for Deniliquin Radio* determined by the Australian Broadcasting Authority on 15 September 1997 is varied as follows:

- (a) on the title page – omit the words “September 1997”;
- (b) number each of the paragraphs in the determination consecutively as clauses (1), (2), (3), (4) and (5);
- (c) in clause (2):
  - (i) omit the words “Two national” and substitute the words “Three national”; and
  - (ii) omit the words “1.2 - 1.3” and substitute the words “1.2 to 1.3 and 1.14”;
- (d) insert the following clause after clause (5):

“(6) A reference in this determination to a schedule or an attachment includes a reference to a schedule or attachment as amended from time to time.”;
- (e) immediately following the determination:
  - (i) omit the heading “SCHEDULES”;
  - (ii) omit the words “Each of the Schedules sets out:” and all five paragraphs marked with dots points that follow;
  - (iii) omit the words “the general area served by each transmitter (column five).” immediately following the dot points;
- (f) omit Schedule One and Schedule Two and substitute in the corresponding places the Schedules to this instrument;
- (g) omit all the Attachments and substitute, in numerical order, the Attachments to this instrument with the same numbers; and
- (h) insert Attachment 1.14 of this instrument after Attachment 1.13.

The Common Seal of the  
Australian Communications and Media Authority  
was affixed to this document  
in the presence of:

*Chris Chapman*  
[signed]

\_\_\_\_\_  
Signature of Member

Chris Chapman

\_\_\_\_\_  
Name (Please Print)

*Brendan Byrne*  
[signed]

\_\_\_\_\_  
Signature of Member/General Manager

Brendan Byrne

\_\_\_\_\_  
Name (Please Print)

Dated this 29<sup>th</sup> day of *March* 2010.

## Schedule One

### Licence Area Plan : Deniliquin Radio

#### Licence Area : DENILIKUIN RA1

Service Category	Channel/ Frequency	Service Licence No	Transmitter Specification No	Attach No	Area Served
National	99.3 MHz	N/A	TS10003520	1.2	Deniliquin
National	94.1 MHz	N/A	TS10003531	1.3	Jerilderie
National	100.9 MHz	N/A	TS1132641	1.14	Deniliquin
Commercial	1521 kHz	SL10407	TS10003518	1.4	Deniliquin
Commercial	102.5 MHz	SL10408	TS10003519	1.5	Deniliquin
	88.5 MHz	SL10408	TS10008009	1.6	Cobram
Open Narrowcasting	104.5 MHz	N/A	TS10007976	1.7	Berrigan
Open Narrowcasting	106.1 MHz	N/A	TS10005981	1.8	Deniliquin
Open Narrowcasting	104.5 MHz	N/A	TS10007977	1.9	Finley
Open Narrowcasting	94.9 MHz	N/A	TS10007598	1.10	Jerilderie
Open Narrowcasting	92.5 MHz	N/A	TS10007980	1.11	Moama
Open Narrowcasting	92.5 MHz	N/A	TS10007978	1.12	Tocumwal
Open Narrowcasting	92.5 MHz	N/A	TS10007974	1.13	Wakool

## Schedule Two

### Licence Area Plan : Deniliquin Radio

#### Licence Area : DENILIKUIN RA2

Service Category	Channel/ Frequency	Service Licence No	Transmitter Specification No	Attach No	Area Served
Community	89.7 MHz	SL10409	TS1132600	2.2	Deniliquin

**Licence Area - DENILQUIN RA1****Commercial Radio Service Licence numbers: SL10407, SL10408**

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

Area Description	Area Description
Deniliquin (A) (LGA)	NSW CD 011109
Murray (A) (LGA)	NSW CD 011203
Campaspe (S) - Echuca (SLA)	NSW CD 011204
NSW CD 010211	NSW CD 011205
NSW CD 010212	VIC CD 020106
NSW CD 010213	VIC CD 021001
NSW CD 010214	VIC CD 021002
NSW CD 010305	VIC CD 021003
NSW CD 010307	VIC CD 021004
NSW CD 010308	VIC CD 021010
NSW CD 010309	VIC CD 030101
NSW CD 010310	VIC CD 030102
NSW CD 010311	VIC CD 030103
NSW CD 010602	VIC CD 030104
NSW CD 010902	VIC CD 030105
NSW CD 010903	VIC CD 030107
NSW CD 010904	VIC CD 030108
NSW CD 010905	VIC CD 030109
NSW CD 011001	VIC CD 030110
NSW CD 011002	VIC CD 031203
NSW CD 011003	VIC CD 032301
NSW CD 011004	VIC CD 032303
NSW CD 011005	VIC CD 032304
NSW CD 011007	VIC CD 032306
NSW CD 011008	VIC CD 032307
NSW CD 011009	VIC CD 032309
NSW CD 011010	VIC CD 032310
NSW CD 011011	
NSW CD 011101	
NSW CD 011102	
NSW CD 011104	
NSW CD 011105	
NSW CD 011106	
NSW CD 011107	
NSW CD 011108	

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

- (LGA) = Local Government Area
- (SLA) = Statistical Local Area
- (A) = NSW Local Government Area (excluding Cities)
- (CD) = Collection District
- (S) = Shire

**LICENCE AREA PLAN : Deniliquin Radio**

Category : National  
 General Area Served : Deniliquin (NSW)  
 Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10003520

***Transmitter Site :-***

Nominal location : Broadcast Site 5km NE of DENILIQUN  
 Australian Map Grid : Zone Easting Northing  
 Reference 55 318974 6068015  
 Site Tolerance : Refer to *Broadcasting Services  
 (Technical Planning) Guidelines 2007*

***Emission :-***

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 99.3 MHz  
 Polarisation Mixed  
 Maximum antenna height 65 m

***Output Radiation Pattern :-***

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	2 kW

**LICENCE AREA PLAN : Deniliquin Radio**

Category : National  
 General Area Served : Jerilderie (NSW)  
 Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10003531

***Transmitter Site :-***

Nominal location : Broadcast Site 6km West of JERILDERIE  
 Australian Map Grid : Zone Easting Northing  
 Reference 55 378195 6087924  
 Site Tolerance : Refer to *Broadcasting Services  
 (Technical Planning) Guidelines 2007*

***Emission :-***

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 94.1 MHz  
 Polarisation Mixed  
 Maximum antenna height 71 m

***Output Radiation Pattern :-***

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	1 kW



**LICENCE AREA PLAN : Deniliquin Radio**

Category : Commercial  
 General Area Served : Deniliquin (NSW)  
 Service Licence Number : SL10407

**TECHNICAL SPECIFICATION - AM Radio**

Specification Number : TS10003518

***Transmitter Site :-***

Nominal location : Broadcast Site 11 km SSW of  
DENILIKUIN

Australian Map Grid : Zone Easting Northing  
 Reference 55 310899 6055400

Site Tolerance : Refer to *Broadcasting Services  
 (Technical Planning) Guidelines 2007*

***Emission :-***

Frequency Band & Mode MF-AM  
 Carrier Frequency : 1521 kHz

***Output Radiation Pattern :-***

Bearing or Sector (Clockwise direction)	Elevation	Maximum CMF
At all angles of azimuth	0	600 V

***Notes :-***

The CMF at all elevations is not to exceed the specified CMF at 0 degrees elevation for all angles of azimuth.

**LICENCE AREA PLAN : Deniliquin Radio**

Category : Commercial  
 General Area Served : Deniliquin (NSW)  
 Service Licence Number : SL10408

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10003519

***Transmitter Site :-***

Nominal location : Broadcast Site Cobb Hwy DENILIKUIN  
 Australian Map Grid : Zone Easting Northing  
 Reference 55 311000 6050400  
 Site Tolerance : Refer to *Broadcasting Services*  
 (*Technical Planning*) *Guidelines 2007*

***Emission :-***

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 102.5 MHz  
 Polarisation Mixed  
 Maximum antenna height 137 m

***Output Radiation Pattern :-***

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	50 kW

**LICENCE AREA PLAN : Deniliquin Radio**

Category : Commercial  
 General Area Served : Cobram (VIC)  
 Service Licence Number : SL10408

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10008009

***Transmitter Site :-***

Nominal location : Broadcast Site Racecourse COBRAM  
 Australian Map Grid : Zone Easting Northing  
 Reference 55 376500 6026000  
 Site Tolerance : Refer to *Broadcasting Services  
 (Technical Planning) Guidelines 2007*

***Emission :-***

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 88.5 MHz  
 Polarisation Mixed  
 Maximum antenna height 30 m

***Output Radiation Pattern :-***

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	100 W

**LICENCE AREA PLAN : Deniliquin Radio**

Category : Open Narrowcasting  
 General Area Served : Berrigan (NSW)  
 Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10007976

***Transmitter Site :-***

Nominal location : Broadcast Site BERRIGAN  
 Australian Map Grid : Zone Easting Northing  
 Reference 55 392200 6053200  
 Site Tolerance : Refer to *Broadcasting Services  
 (Technical Planning) Guidelines 2007*

***Emission :-***

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 104.5 MHz  
 Polarisation Mixed  
 Maximum antenna height 10 m

***Output Radiation Pattern :-***

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	10 W

***Special Conditions :-***

1. The 'coverage radius' of this transmission is 8 kilometres measured from a point with the following AMG co-ordinates: Zone: 55; Easting: 392200; Northing: 6053200. This point is the same as the nominal transmitter site.
2. Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.

**LICENCE AREA PLAN : Deniliquin Radio**

Category : Open Narrowcasting  
 General Area Served : Deniliquin (NSW)  
 Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10005981

***Transmitter Site :-***

Nominal location : Broadcast Site 5km NE of DENILIQUN  
 Australian Map Grid : Zone Easting Northing  
 Reference 55 318974 6068015  
 Site Tolerance : Refer to *Broadcasting Services  
 (Technical Planning) Guidelines 2007*

***Emission :-***

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 106.1 MHz  
 Polarisation Mixed  
 Maximum antenna height 65 m

***Output Radiation Pattern :-***

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	1 kW

***Special Conditions :-***

1. The 'coverage radius' of this transmission is 25 kilometres measured from a point with the following AMG co-ordinates: Zone: 55; Easting: 318974; Northing: 6068015. This point is the same as the nominal transmitter site.

**LICENCE AREA PLAN : Deniliquin Radio**

Category : Open Narrowcasting  
 General Area Served : Finley (NSW)  
 Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10007977

***Transmitter Site :-***

Nominal location : Broadcast Site FINLEY  
 Australian Map Grid : Zone Easting Northing  
 Reference 55 370800 6054300  
 Site Tolerance : Refer to *Broadcasting Services*  
 (*Technical Planning*) *Guidelines 2007*

***Emission :-***

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 104.5 MHz  
 Polarisation Mixed  
 Maximum antenna height 10 m

***Output Radiation Pattern :-***

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	10 W

***Special Conditions :-***

1. The 'coverage radius' of this transmission is 8 kilometres measured from a point with the following AMG co-ordinates: Zone: 55; Easting: 370800; Northing: 6054300. This point is the same as the nominal transmitter site.
2. Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.

**LICENCE AREA PLAN : Deniliquin Radio**

Category : Open Narrowcasting  
 General Area Served : Jerilderie (NSW)  
 Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10007598

***Transmitter Site :-***

Nominal location : 64 Mahonga St JERILDERIE  
 Australian Map Grid : Zone Easting Northing  
 Reference 55 384500 6086500  
 Site Tolerance : Refer to *Broadcasting Services*  
 (*Technical Planning*) *Guidelines 2007*

***Emission :-***

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 94.9 MHz  
 Polarisation Mixed  
 Maximum antenna height 30 m

***Output Radiation Pattern :-***

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	10 W

***Special Conditions :-***

1. The 'coverage radius' of this transmission is 8 kilometres measured from a point with the following AMG co-ordinates: Zone: 55; Easting: 384500; Northing: 6086500. This point is the same as the nominal transmitter site.
2. Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.

**LICENCE AREA PLAN : Deniliquin Radio**

Category : Open Narrowcasting  
 General Area Served : Moama (NSW)  
 Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10007980

***Transmitter Site :-***

Nominal location : Broadcast Site MOAMA  
 Australian Map Grid : Zone Easting Northing  
 Reference 55 299500 6016000  
 Site Tolerance : Refer to *Broadcasting Services*  
 (*Technical Planning*) *Guidelines 2007*

***Emission :-***

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 92.5 MHz  
 Polarisation Mixed  
 Maximum antenna height 10 m

***Output Radiation Pattern :-***

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	10 W

***Special Conditions :-***

1. The 'coverage radius' of this transmission is 8 kilometres measured from a point with the following AMG co-ordinates: Zone: 55; Easting: 299500; Northing: 6016000. This point is the same as the nominal transmitter site.
2. Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.



**LICENCE AREA PLAN : Deniliquin Radio**

Category : Open Narrowcasting  
 General Area Served : Tocumwal (NSW)  
 Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10007978

***Transmitter Site :-***

Nominal location : Broadcast Site TOCUMWAL  
 Australian Map Grid : Zone Easting Northing  
 Reference 55 371000 6035500  
 Site Tolerance : Refer to *Broadcasting Services*  
 (*Technical Planning*) *Guidelines 2007*

***Emission :-***

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 92.5 MHz  
 Polarisation Mixed  
 Maximum antenna height 10 m

***Output Radiation Pattern :-***

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	10 W

***Special Conditions :-***

1. The 'coverage radius' of this transmission is 8 kilometres measured from a point with the following AMG co-ordinates: Zone: 55; Easting: 371000; Northing: 6035500. This point is the same as the nominal transmitter site.
2. Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.

**LICENCE AREA PLAN : Deniliquin Radio**

Category : Open Narrowcasting  
 General Area Served : Wakool (NSW)  
 Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10007974

***Transmitter Site :-***

Nominal location : Broadcast Site WAKOOL  
 Australian Map Grid : Zone Easting Northing  
 Reference 55 263500 6071500  
 Site Tolerance : Refer to *Broadcasting Services  
 (Technical Planning) Guidelines 2007*

***Emission :-***

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 92.5 MHz  
 Polarisation Mixed  
 Maximum antenna height 10 m

***Output Radiation Pattern :-***

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	10 W

***Special Conditions :-***

1. The 'coverage radius' of this transmitter is 8 kilometres measured from a point with the following AMG co-ordinates: Zone: 55; Easting: 263500; Northing: 6071500. This point is the same as the nominal transmitter site.
2. Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.

**LICENCE AREA PLAN : Deniliquin Radio**

Category : National  
 General Area Served : Deniliquin (NSW)  
 Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS1132641

***Transmitter Site :-***

Nominal location : Broadcast Site 5km NE of DENILIQUN  
 Australian Map Grid : Zone Easting Northing  
 Reference 55 318974 6068015  
 Site Tolerance : Refer to *Broadcasting Services  
 (Technical Planning) Guidelines 2007*

***Emission :-***

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 100.9 MHz  
 Polarisation Mixed  
 Maximum antenna height 65 m

***Output Radiation Pattern :-***

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	2 kW

***Special Conditions :-***

The service is interference limited, only field strength levels of 66 dBuV/m and above will be protected from interference.

**Licence Area - DENILQUIN RA2****Community Radio Service Licence numbers: SL10409**

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

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**Area Description**

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Deniliquin (A) (LGA)

NSW CD 010903

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(LGA) = Local Government Area

(A) = NSW Local Government Area (excluding Cities)

(CD) = Collection District

**LICENCE AREA PLAN : Deniliquin Radio**

Category : Community  
 General Area Served : Deniliquin (NSW)  
 Service Licence Number : SL10409

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS1132600

***Transmitter Site :-***

Nominal location : Broadcast Site 5km NE of DENILIQUN  
 Australian Map Grid : Zone Easting Northing  
 Reference 55 318974 6068015  
 Site Tolerance : Refer to *Broadcasting Services  
 (Technical Planning) Guidelines 2007*

***Emission :-***

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 89.7 MHz  
 Polarisation Mixed  
 Maximum antenna height 65 m

***Output Radiation Pattern :-***

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	500 W

***Special Conditions :-***

The service is interference limited, only field strength levels of 66 dBuV/m and above will be protected from interference.