

Licence Area Plan – Darwin Television

1. Name of Instrument

This instrument is the *Licence Area Plan – Darwin Television*.

2. 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.comlaw.gov.au>

3. Determination

- (1) This plan for television broadcasting services in the Darwin area of the Northern Territory is made under subsection 26(1) of the *Broadcasting Services Act 1992*.
- (2) Two national television broadcasting services, two commercial television broadcasting services and one open narrowcasting television service are to be available in the area described at Attachment 1.1 to this plan with the use of the broadcasting services bands. The characteristics, including technical specifications, of the services that are to be available in the area described at Attachment 1.1 are set out in Schedule One and Attachments 1.2 to 1.12 to this plan.
- (3) A reference in this plan to a schedule or an attachment includes a reference to a schedule or attachment as amended from time to time.

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

Richard Lancelot Bean [signed]

Signature of Member/~~General~~
~~Manager~~

Chris Chapman

Name (Please Print)

Richard Lancelot Bean

Name (Please Print)

Dated this 21st day of June 2012.

Schedule One

Licence Area Plan : Darwin Television

Licence Area : DARWIN TV1

Service Category	Channel/ Frequency	Service Licence No	Transmitter Specification No	Attach No	Area Served
Commercial	8	SL10172	TS10003364	1.2	Darwin
	49	SL10172	TS1134053	1.3	Darwin
	58	SL10172	TS10003365	1.4	Darwin North
Commercial	34	SL10173	TS10003366	1.5	Darwin
	52	SL10173	TS10003367	1.6	Darwin North
	63	SL10173	TS10003401	1.7	Batchelor
National	6	N/A	TS10003368	1.8	Darwin
	55	N/A	TS10003371	1.9	Darwin North
National	28	N/A	TS10003369	1.10	Darwin
	61	N/A	TS10003373	1.11	Darwin North
Open Narrowcasting	35	N/A	TS1134419	1.12	Darwin

Licence Area - DARWIN TV1**Licence Area ID - 962****Commercial TV Service Licence numbers: SL10172, SL10173**

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

Area Description

Darwin (SD)
Belyuen (CGC) (LGA)
Cox Peninsula (CGC) (LGA)
Cox-Finiss (SLA)
NT CD 014202

Note:

Standard terminology used by the Australian Bureau of Statistics:

(LGA) = Local Government Area
(SLA) = Statistical Local Area
(CGC) = Community Government Council
(CD) = Collection District
(SD) = Statistical Division

LICENCE AREA PLAN : Darwin Television

Category : Commercial
 General Area Served : Darwin (NT)
 Service Licence Number : SL10172

TECHNICAL SPECIFICATION - Television

Specification Number : TS10003364

Transmitter Site :-

Nominal location : Telstra Comms Site Blake Street DARWIN
 Australian Map Grid : Zone Easting Northing
 Reference 52 699497 8623000
 Site Tolerance : Refer to *Broadcasting Services*
 (Technical Planning) Guidelines 2007

Emission :-

Frequency Band & Mode : VHF Band III - TV
 Carrier Frequency : 189.25 MHz (Ch.8)
 Polarisation : Horizontal
 Maximum antenna height : 76 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 130°T	10 kW
130°T - 200°T	40 kW
200°T - 360°T	10 kW

LICENCE AREA PLAN : Darwin Television

Category : Commercial
 General Area Served : Darwin (NT)
 Service Licence Number : SL10172

TECHNICAL SPECIFICATION - Television

Specification Number : TS1134053

Transmitter Site :-

Nominal location : Broadcast Site Section 4456 (100)
 Deloraine Road BERRIMAH

Australian Map Grid : Zone Easting Northing
 Reference 52 713900 8626700

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

Emission :-

Frequency Band & Mode : UHF Band V - TV
 Carrier Frequency : 674.25 MHz (Ch.49)
 Polarisation : Horizontal
 Maximum antenna height : 136 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 25°T	750 W
25°T - 65°T	15 kW
65°T - 80°T	35 kW
80°T - 95°T	75 kW
95°T - 315°T	150 kW
315°T - 330°T	75 kW
330°T - 345°T	35 kW
345°T - 355°T	15 kW
355°T - 360°T	750 W

LICENCE AREA PLAN : Darwin Television

Category : Commercial
 General Area Served : Darwin North (NT)
 Service Licence Number : SL10172

TECHNICAL SPECIFICATION - Television

Specification Number : TS10003365

Transmitter Site :-

Nominal location : NT House Mitchell Street DARWIN
 Australian Map Grid : Zone Easting Northing
 Reference 52 700140 8621160
 Site Tolerance : Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2007*

Emission :-

Frequency Band & Mode : UHF Band V - TV
 Carrier Frequency : 737.25 MHz (Ch.58)
 Polarisation : Horizontal
 Maximum antenna height : 53 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 100°T	2 kW
100°T - 130°T	1 kW
130°T - 160°T	500 W
160°T - 240°T	200 W
240°T - 270°T	500 W
270°T - 300°T	1 kW
300°T - 360°T	2 kW

LICENCE AREA PLAN : Darwin Television

Category : Commercial
 General Area Served : Darwin (NT)
 Service Licence Number : SL10173

TECHNICAL SPECIFICATION - Television

Specification Number : TS10003366

Transmitter Site :-

Nominal location : Broadcast Site Section 4456 (100)
 Deloraine Road BERRIMAH

Australian Map Grid : Zone Easting Northing
 Reference 52 713900 8626700

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

Emission :-

Frequency Band & Mode : UHF Band IV - TV
 Carrier Frequency : 569.25 MHz (Ch.34)
 Polarisation : Horizontal
 Maximum antenna height : 136 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 25°T	750 W
25°T - 65°T	15 kW
65°T - 80°T	35 kW
80°T - 95°T	75 kW
95°T - 315°T	150 kW
315°T - 330°T	75 kW
330°T - 345°T	35 kW
345°T - 355°T	15 kW
355°T - 360°T	750 W

LICENCE AREA PLAN : Darwin Television

Category : Commercial
 General Area Served : Darwin North (NT)
 Service Licence Number : SL10173

TECHNICAL SPECIFICATION - Television

Specification Number : TS10003367

Transmitter Site :-

Nominal location : NT House Mitchell Street DARWIN
 Australian Map Grid : Zone Easting Northing
 Reference 52 700140 8621160
 Site Tolerance : Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2007*

Emission :-

Frequency Band & Mode : UHF Band V - TV
 Carrier Frequency : 695.25 MHz (Ch.52)
 Polarisation : Horizontal
 Maximum antenna height : 53 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 100°T	2 kW
100°T - 130°T	1 kW
130°T - 160°T	500 W
160°T - 240°T	200 W
240°T - 270°T	500 W
270°T - 300°T	1 kW
300°T - 360°T	2 kW

LICENCE AREA PLAN : Darwin Television

Category : Commercial
 General Area Served : Batchelor (NT)
 Service Licence Number : SL10173

TECHNICAL SPECIFICATION - Television

Specification Number : TS10003401

Transmitter Site :-

Nominal location : Broadcast Site Mardango Crescent
 BATCHELOR

Australian Map Grid : Zone Easting Northing
 Reference 52 719776 8556935

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

Emission :-

Frequency Band & Mode : UHF Band V - TV
 Carrier Frequency : 772.25 MHz (Ch.63)
 Polarisation : Horizontal
 Maximum antenna height : 30 m

Output Radiation Pattern :-

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

LICENCE AREA PLAN : Darwin Television

Category : National
 General Area Served : Darwin (NT)
 Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10003368

Transmitter Site :-

Nominal location : Telstra Comms Site Blake Street DARWIN
 Australian Map Grid : Zone Easting Northing
 Reference 52 699497 8623000
 Site Tolerance : Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2007*

Emission :-

Frequency Band & Mode : VHF Band III - TV
 Carrier Frequency : 175.25 MHz (Ch.6)
 Polarisation : Horizontal
 Maximum antenna height : 70 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 130°T	30 kW
130°T - 200°T	85 kW
200°T - 360°T	30 kW

LICENCE AREA PLAN : Darwin Television

Category : National
 General Area Served : Darwin North (NT)
 Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10003371

Transmitter Site :-

Nominal location : NT House Mitchell Street DARWIN
 Australian Map Grid : Zone Easting Northing
 Reference 52 700140 8621160
 Site Tolerance : Refer to *Broadcasting Services*
 (*Technical Planning*) *Guidelines 2007*

Emission :-

Frequency Band & Mode : UHF Band V - TV
 Carrier Frequency : 716.25 MHz (Ch.55)
 Polarisation : Horizontal
 Maximum antenna height : 53 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 100°T	2 kW
100°T - 130°T	1 kW
130°T - 160°T	500 W
160°T - 240°T	200 W
240°T - 270°T	500 W
270°T - 300°T	1 kW
300°T - 360°T	2 kW

LICENCE AREA PLAN : Darwin Television

Category : National
 General Area Served : Darwin (NT)
 Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10003369

Transmitter Site :-

Nominal location : Broadcast Site Section 4456 (100)
 Deloraine Road BERRIMAH

Australian Map Grid : Zone Easting Northing
 Reference 52 713900 8626700

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

Emission :-

Frequency Band & Mode : UHF Band IV - TV
 Carrier Frequency : 527.25 MHz (Ch.28)
 Polarisation : Horizontal
 Maximum antenna height : 136 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 25°T	750 W
25°T - 65°T	15 kW
65°T - 80°T	35 kW
80°T - 95°T	75 kW
95°T - 315°T	150 kW
315°T - 330°T	75 kW
330°T - 345°T	35 kW
345°T - 355°T	15 kW
355°T - 360°T	750 W

LICENCE AREA PLAN : Darwin Television

Category : National
 General Area Served : Darwin North (NT)
 Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number : TS10003373

Transmitter Site :-

Nominal location : NT House Mitchell Street DARWIN
 Australian Map Grid : Zone Easting Northing
 Reference 52 700140 8621160
 Site Tolerance : Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2007*

Emission :-

Frequency Band & Mode : UHF Band V - TV
 Carrier Frequency : 758.25 MHz (Ch.61)
 Polarisation : Horizontal
 Maximum antenna height : 53 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 100°T	2 kW
100°T - 130°T	1 kW
130°T - 160°T	500 W
160°T - 240°T	200 W
240°T - 270°T	500 W
270°T - 300°T	1 kW
300°T - 360°T	2 kW

LICENCE AREA PLAN : Darwin Television

Category : Open Narrowcasting
 General Area Served : Darwin (NT)
 Service Licence Number : Not applicable

TECHNICAL SPECIFICATION – Digital Television

Specification Number : TS1134419

Transmitter Site :-

Nominal location : Broadcast Site Section 4456 (100)
 Deloraine Road BERRIMAH

Australian Map Grid : Zone Easting Northing
 Reference 52 713900 8626700

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

Emission :-

Frequency Band & Mode : UHF Band V - TV
 Centre Frequency : 578.5 MHz (Ch.35)
 Polarisation : Horizontal
 Nominal antenna height : 136 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 25°T	425 W
25°T - 65°T	8.5 kW
65°T - 80°T	20 kW
80°T - 95°T	42.5 kW
95°T - 315°T	85 kW
315°T - 330°T	42.5 kW
330°T - 345°T	20 kW
345°T - 360°T	8.5 kW