

Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



Licensee details

Customer ID	1425181
Licensee	Arrow Energy Ltd
Trading name	Arrow Energy Ltd
Licensee address	GPO Box 5262, BRISBANE, QLD 4001

Licence details

Licence service	Fixed
Licence subservice	Point to Multipoint
Licence number	1987180/1
Date of issue	20/04/2023
Date of effect	20/04/2023
Date of expiry	30/08/2024

Licence conditions

Your licence is subject to conditions set out in the *Radiocommunications Act 1992*. Your licence may also be subject to such other licence conditions as determined by the ACMA (in licence condition determinations) from time to time, and is also subject to special conditions as detailed on this licence.

The conditions that are imposed on a licence vary according to the type of licence issued, the service being operated and the section of the *Radiocommunications Act 1992* under which the licence has been issued. For further information about the conditions that apply to your licence, please contact the ACMA (see contact details below).

Rights of appeal

A decision by the ACMA to impose further conditions or revoke or vary the conditions of your licence may be reviewable. If you are affected by, and dissatisfied with, such a decision you may apply to the ACMA to have the ACMA reconsider the decision under section 288 of the *Radiocommunications Act 1992*.

An application for reconsideration must state the reasons for the request, and should be sent to the Customer Service Centre, Australian Communications and Media Authority, PO Box 78, Belconnen, ACT, 2616. Applications for review of decisions can be made using the R051 - Application for review of Decision form, available on the ACMA website.

Important

An application for the ACMA to reconsider a decision to impose or vary licence conditions must be made to the ACMA within 28 days of the day on which you are informed of the decision. An application for reconsideration made after that time may not be accepted.

ACMA contact details

Customer Service Centre
PO Box 78
BELCONNEN ACT 2616

Telephone: 1300 850 115
Email: info@acma.gov.au

ACMA website: www.acma.gov.au

Advisory Notes applying to licence no.: 1987180/1

Conditions applicable to the operation of Point to Multipoint station(s) authorised under this licence can be found in the Radiocommunications Licence Conditions (Apparatus Licence) Determination and the Radiocommunications Licence Conditions (Fixed Licence) Determination, the 'fixed licence lcd'. Copies of these determinations are available from the ACMA and from the ACMA home page (www.acma.gov.au).

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Main Station Site

Station 1:

Site details	
Site ID	9023492
Site address	Daandine CGPF, Off Dalby Kogan Road, 11 km ENE of, BEELBEE QLD 4405
Co-ordinates (GDA94)	Latitude: -27.09458 Longitude: 150.941749

Transmitter details	
Assigned frequency	1.91000000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0000864124
Transmitter power	20.00 W
EIRP	1.18 kW
Emission designator	10M0D7W

Antenna details	
Antenna ID	81306
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	20
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.91000000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0000864127
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0D7W

Antenna details	
Antenna ID	81306
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	20
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 1

The shared spectrum arrangements and uncoordinated nature of class licensed radiocommunications devices in the 1880-1900 MHz band:

- a. may result in interference from nearby class licensed radiocommunications devices that may reduce system performance; and
- b. the likelihood of such interference is very low due to the dynamic channel allocation techniques inherent in cordless technologies used in the band; and
- c. protection from such interference cannot be afforded.

Special Conditions applying to Station 1

2. The non-directional base receiver authorised by this licence may experience interference from licence 1408852 Tx at site 401132, and is only protected to a level of -81.6 dBm/10 MHz (LOS propagation).

3. The non-directional base receiver authorised by this licence may experience interference from licence 77393 Tx at site 14787, and is only protected to a level of -85.8 dBm/10 MHz (LOS propagation).

1. The operation of land mobile stations is authorised under this licence. If a land mobile station is operated under this licence, the licensee:

- (a) must not operate the station if its operation causes harmful interference to a service provided by another station; and
- (b) must operate the station to transmit using only the receive or transmit frequencies that are authorised by the licence.