

Addendum

Proposal to vary the Perth and Remote Western Australia radio licence area plans

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Issue for comment

In August 2025, the ACMA released a [consultation paper](#) regarding proposed changes to the [Licence Area Plan - Perth Radio](#) and [Licence Area Plan – Remote Western Australia Radio](#).

These changes would allow 3 ABC AM services to convert to FM, allow for a new community broadcasting service in the Swan area and make other minor variations to the licence area plans.

One of the proposals in the consultation paper was to vary the technical specifications to the community broadcasting service 6SEN in Perth to address potential interference resulting from the conversion from AM to FM of the ABC national broadcasting service 6WF (see p. 11 of the [consultation paper](#)).

The 6SEN service currently broadcasts on 101.7 MHz from Mills Road Gosnells Site with a maximum antenna height of 15 m and a planned maximum effective radiated power (ERP) of 16 kW directional (DA) but is licenced to operate from a site at Wireless Hill Park Ardross, 20.5 km from the Gosnells site, with a maximum antenna height of 50m and a maximum ERP of 8 kW.

To address the potential adjacent channel interference from the ABC FM transmitter it was proposed that 6SEN could operate on 101.7 MHz from the Broadcast Australia Site Television Road Bickley with a maximum antenna height of 120 m and a maximum ERP of 16 kW with a directional output radiation pattern:

Originally Proposed Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 70°T	16 kW
70°T - 180°T	400 W
180°T - 210°T	2 kW
210°T - 360°T	16 kW

We have received submissions from Capital Community Radio Inc, the licensee providing 6SEN, and the Community Broadcasting Association of Australia proposing an alternative output radiation pattern for the 6SEN service.

Based on these submissions, we are considering the following alternative output radiation pattern, which is similar to those proposed in the consultation paper for other community radio broadcasting services operating from transmitter sites at Bickley:

New Proposed Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 50°T	16 kW
50°T - 70°T	8 kW
70°T - 170°T	4 kW
170°T - 200°T	8 kW
200°T - 360°T	16 kW

ACMA's engineering analysis indicates no significant difference in coverage, potential interference or overspill between the output radiation pattern proposed in the consultation paper and the new pattern proposed by the licensee of 6SEN.

A copy of the complete technical specifications for the revised 6SEN service Version 1 (as proposed in the August 2025 consultation paper) and Version 2 (as proposed in this October 2025 addendum) are at the [Appendix](#) to this document.

We have not formed a view whether to support or adopt the new specifications and are seeking views on whether to support or adopt them.

We welcome comments from interested stakeholders on the issues raised in this paper. Details on making a submission can be found at [Invitation to comment](#) section of this paper.

Invitation to comment

Making a submission

We invite comments on the issues set out in this discussion paper.

- [Online submissions](#) can be made by uploading a document. Submissions in PDF, Microsoft Word or Rich Text Format are preferred.
- Submissions by post can be sent to:
The Manager
Broadcasting Carriage Policy Section
Australian Communications and Media Authority
PO Box 78
Belconnen ACT 2616

The closing date for submissions is **COB, Friday 17 October 2025**.

Consultation enquiries can be emailed to BCP@acma.gov.au.

Publication of submissions

We publish submissions on our website, including personal information (such as names and contact details), except for information that you have claimed (and we have accepted) is confidential.

Confidential information will not be published or otherwise released unless required or authorised by law.

Privacy

View information about our policy on the publication of submissions, including collection of personal information during consultation and how we handle that information.

Information on the *Privacy Act 1988*, how to access or correct personal information, how to make a privacy complaint and how we will deal with any complaints, is available in our [privacy policy](#).

Appendix

Proposed Revised Perth 6SEN Community Transmitter 101.7MHz (Version 1, as proposed in the August 2025 consultation paper)

LICENCE AREA PLAN : Perth Radio

Category : Community
General Area Served : Perth (WA)
Service Licence Number : SL1150795

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS1170142

Transmitter Site :-

Nominal location : Tower Broadcast Australia Site
Television Rd, BICKLEY

Nominal Co-ordinates (GDA94) :	Latitude	Longitude
	-32.010731	116.084519

Emission :-

Frequency Band & Mode : VHF-FM
Carrier Frequency : 101.7 MHz
Polarisation : Mixed
Maximum antenna height : 120 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 70°T	16 kW
70°T - 180°T	400 W
180°T - 210°T	2 kW
210°T - 360°T	16 kW

Proposed Revised Perth 6SEN Community Transmitter 101.7MHz (Version 2, as proposed in October 2025 addendum)

LICENCE AREA PLAN : Perth Radio

Category : Community
General Area Served : Perth (WA)
Service Licence Number : SL1150795

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS1170142

Transmitter Site :-

Nominal location : Tower Broadcast Australia Site
Television Rd, BICKLEY

Nominal Co-ordinates (GDA94) : Latitude Longitude
-32.010731 116.084519

Emission :-

Frequency Band & Mode : VHF-FM
Carrier Frequency : 101.7 MHz
Polarisation : Mixed
Maximum antenna height : 120 m

New Proposed Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 50°T	16 kW
50°T - 70°T	8 kW
70°T - 170°T	4 kW
170°T - 200°T	8 kW
200°T - 360°T	16 kW