

**AIP SUPPLEMENT  
(SUP)****AIRAC****H03/21****Effective: 202101271600 UTC**

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## **BALLINA BROADCAST AREA**

### **1. INTRODUCTION**

- 1.1 In November 2019, a Broadcast Area was declared within 10NM of Ballina Byron Gateway Aerodrome (YBNA). The Broadcast Area sought to enhance communication between aircraft in the vicinity of Ballina and reduce the risk of mid-air conflicts.
  - 1.2 Ballina has a large volume of Passenger Transport (PT) movements involving large turboprop or jet aircraft. These aircraft have different operating and performance parameters/criteria when compared to most general aviation aircraft. PT aircraft generally operate under the Instrument Flight Rules (IFR). It is important that pilots of all aircraft do not assume that any other aircraft is aware of their position.
  - 1.3 CASA is aware of instances where aircraft are not making required broadcasts in the vicinity of Ballina, thus making it difficult for other aircraft to maintain situation awareness of operations in the area.
  - 1.4 In order to reduce residual airspace risk in the vicinity of Ballina, CASA is making changes to Ballina's Broadcast Area.
  - 1.5 These changes include increasing the size of the extant Ballina Broadcast Area and will continue the mandatory broadcast requirements for aircraft under section 99A of the Civil Aviation Regulations 1988.
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## 2. SUMMARY OF CHANGES

- 2.1 Effective 28 January 2021, an instrument issued under Regulation 99A of Civil Aviation Regulations 1988 will mandate the carriage of a radio and the making of radio calls in the Ballina Broadcast Area. The instrument will amend CASA Instrument CASA 490/05 – Designation of airspace for broadcast requirements – aerodromes with certified air/ground radio services. This can be viewed online: [www.legislation.gov.au/WhatsNew](http://www.legislation.gov.au/WhatsNew)
- 2.2 The enlarged Broadcast Area is designed to address the broadcast issues by making it compulsory for aircraft to carry a radio and make appropriate broadcasts and responses when within 15NM of Ballina excluding a section defined by a 30NM arc from Gold Coast DME.
- 2.3 The enlarged Broadcast Area is defined by a circle with a 15NM radius centred on 285002S 1533345E (YBNA) excluding the volume north of the Gold Coast 30 DME arc.
- 2.4 **The carriage and use of a radio in a CAR 99A Broadcast Area is mandatory.**
- 2.5 All aircraft departing, arriving, or transiting the Broadcast Area **must** carry a radio and make broadcasts prior to or as soon as possible after entering the Broadcast Area.
- 2.6 The CTAF at Ballina, Lismore, Casino and Evans Head will remain unchanged (124.2MHz).

## 3. AIRSPACE ARRANGEMENTS

- 3.1 New Ballina Broadcast Area description

### **BALLINA BROADCAST AREA 124.2**

**LATERAL LIMITS:** 283917S 1532149E

then along the counter clockwise arc of a circle radius 30.00NM centre  
281008S 1533014E (CG/DME) – 283748S 1534337E

then along the clockwise arc of a circle radius 15.00NM centre  
285002S 1533345 (YBNA/AD) – 283917S 1532149E

**VERTICAL LIMITS:** SFC - 8500

**HOURS OF ACTIVITY:** H24

*Refer to the diagram in Appendix A.*

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## **4. AIRSPACE USAGE**

### **4.1 Mandatory Broadcast requirements**

- 4.1.1 Pilots are required to broadcast on 124.2 when entering and operating within the defined lateral and vertical limits of the Ballina Broadcast Area.

### **4.2 Aircraft flying through the Broadcast Area without landing**

- 4.2.1 The pilot in command of an aircraft intending to fly through the area without landing must, prior to or as soon as possible after the aircraft enters the Broadcast Area, make a broadcast that includes the following information:
- a) the aircraft's callsign and type;
  - b) the aircraft's position;
  - c) the aircraft's present level;
  - d) the pilot's intentions in relation to the flight.

### **4.3 Aircraft intending to land at an aerodrome in the Broadcast Area**

- 4.3.1 The pilot in command of an aircraft intending to land at an aerodrome in the area, must:
- a) prior to or as soon as possible after the aircraft enters the area, make a broadcast that includes the following information:
    - i) the aircraft's callsign and type;
    - ii) the aircraft's radial, bearing or quadrant from, and distance from, the aerodrome at which the pilot proposes to land;
    - iii) the aircraft's altitude;
    - iv) the pilot's intentions in relation to the flight; and
  - b) if and when the aircraft joins the circuit, make a broadcast that consists of:
    - i) the aircraft's callsign and type; and
    - ii) a statement that the aircraft is joining the circuit; and
    - iii) the leg on which the aircraft is joining the circuit; and
  - c) if the pilot intends to make a straight in approach to the landing runway, make a prior broadcast of that intention.
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#### **4.4 Aircraft taking off from an aerodrome in the Broadcast Area**

4.4.1 The pilot in command of an aircraft who is taxiing for take-off from an aerodrome in the area must:

- a) when starting to taxi, make a broadcast that includes the following information:
  - i) the aircraft's callsign and type;
  - ii) if the proposed flight is to be conducted under the IFR, a statement to that effect;
  - iii) the name of the aerodrome;
  - iv) either:
    - the proposed flight's intended destination; or
    - the direction in which the pilot intends to fly from the aerodrome;
  - v) the runway proposed to be used for take-off; and
- b) immediately before entering the runway to be used for take-off, make a broadcast that consists of:
  - i) the aircraft's callsign and type; and
  - ii) the runway identifier; and
  - iii) a statement that the aircraft is entering the runway.

### **5. SERVICES AVAILABLE**

#### **5.1 Flight Following**

5.1.1 Pilots of Visual Flight Rules (VFR) aircraft fitted with two or more serviceable VHF radios and with a transponder and/or Automatic Dependent Surveillance-Broadcast (ADS-B) are strongly encouraged to request a flight following Surveillance Information Service (SIS) from Air Traffic Control (ATC) on the area frequency. This free service will enable ATC to provide enhanced traffic information to both VFR and IFR pilots.

5.1.2 Further details on the SIS are detailed in *AIP GEN 3.3 para 3.3.7.3 - 3.3.7.5* and *GEN 3.4 para 5.17.1 (para 6.17.1 after 25 March 2021)*.

5.1.3 ATC do not monitor the Common Traffic Advisory Frequency (CTAF) and pilots are required to remain on the CTAF frequency whilst within the Broadcast Area.

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## **5.2 Usage of ADS-B and transponders**

- 5.2.1 Aircraft are not required to be fitted with a transponder or ADS-B avionics to operate in the Broadcast Area. However, if an aircraft is fitted with a correctly functioning transponder and/or ADS-B avionics then it is required to be switched on and used. If the aircraft is fitted with a Mode C transponder (which is serviceable and approved for use), then it is to be selected to the Altitude position, unless otherwise directed by ATC.

## **6. CONFLICT HOT SPOTS**

- 6.1 The areas to the west and south of Ballina are known hot spots for conflicts between VFR and IFR aircraft. VFR pilots should be vigilant when transiting these areas. Refer to Appendix B depictions of the Ballina and Lismore instrument approaches.

## **7. CANCELLATION**

- 7.1 This SUP will be cancelled when it is incorporated into AIP Charts and DAH, expected 2 December 2021.

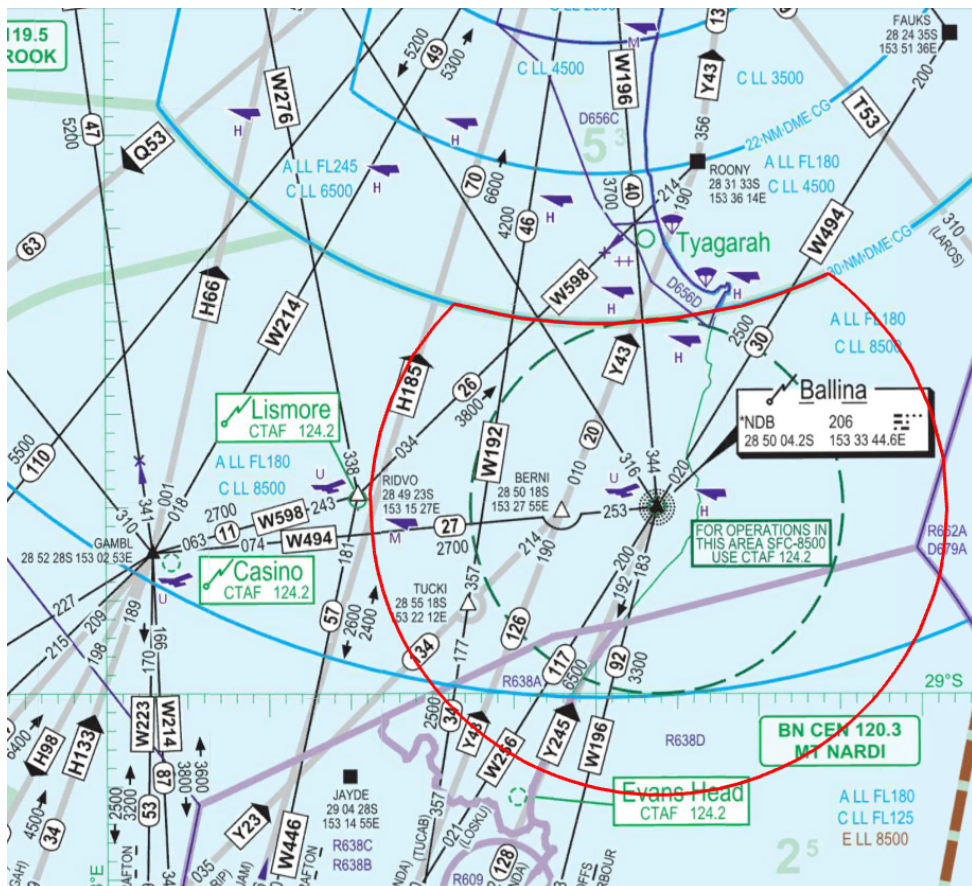
## **8. DISTRIBUTION**

- 8.1 Airservices Australia website.

## **Appendices**

1. Ballina BA airspace
  2. Instrument approaches
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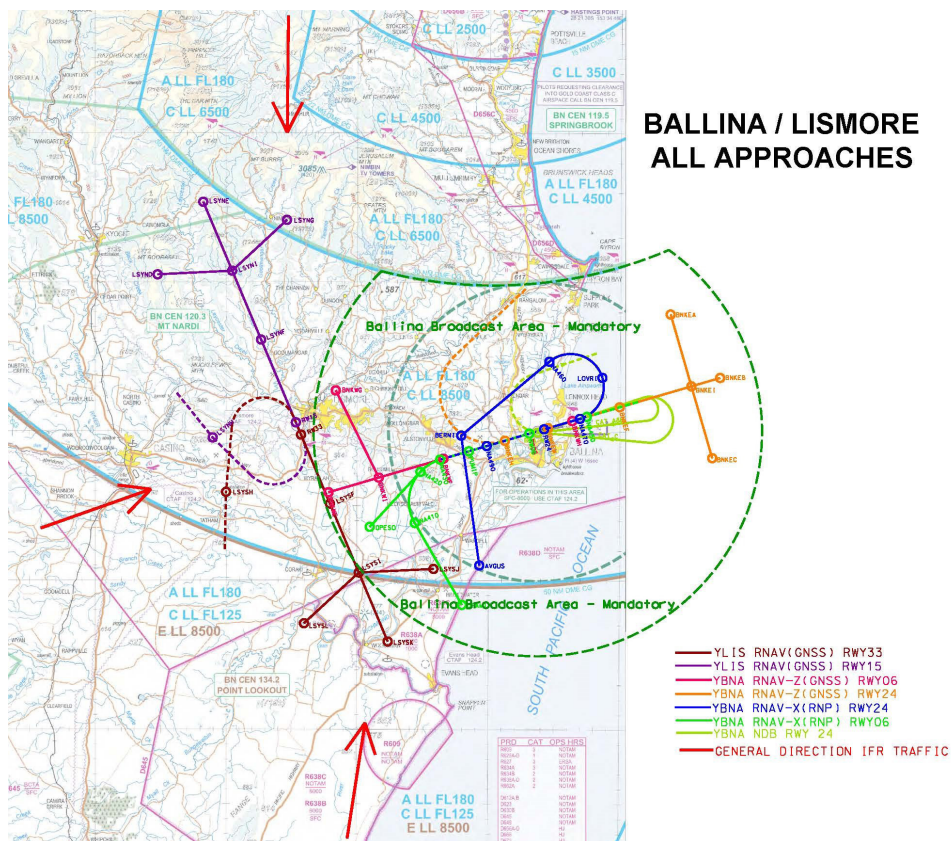
# 1. Ballina BA airspace



## 2. Instrument approaches

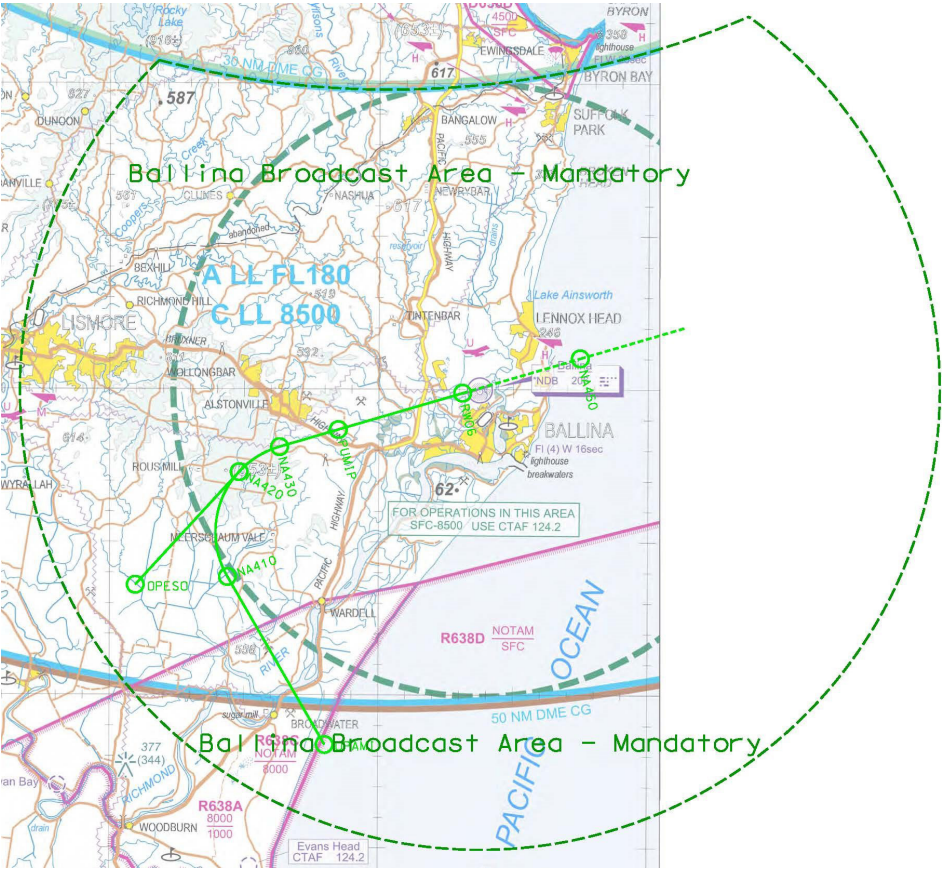
**Note:** Pilots are encouraged to review the most current Departure and Approach Procedures (DAP) charts published as part of the AIP, available online:

[www.airservicesaustralia.com/aip/aip.asp](http://www.airservicesaustralia.com/aip/aip.asp)



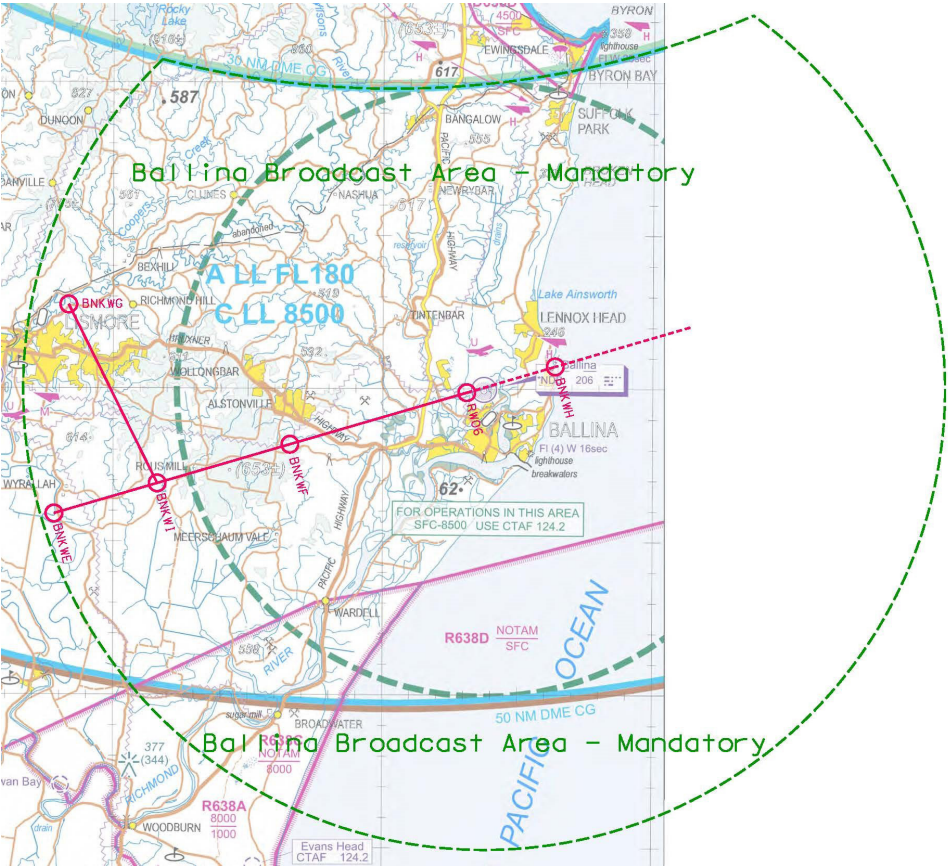


YBNA - RWY 06 RNP Approach





YBNA - RWY 06 RNAV Approach



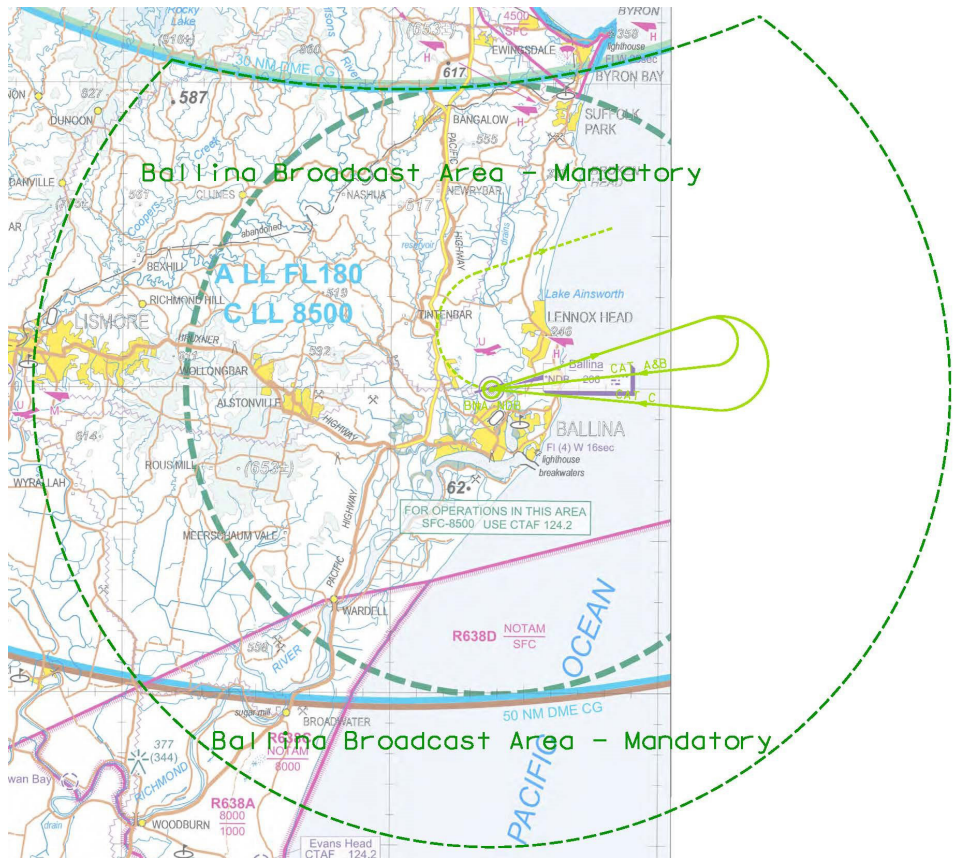


A detailed map of the Ballina Broadcast Area, showing the coastline of the Pacific Ocean, major roads, and various broadcast stations. The map includes a green dashed line indicating the 36 NM DME CG and a blue dashed line indicating the 50 NM DME CG. Key locations include Ballina, Lennox Head, and Byron Bay. The map also shows the Ballina Broadcast Area - Mandatory, which is a large green dashed circle centered on Ballina. The map includes a legend for the Ballina Broadcast Area - Mandatory, showing the following stations: BNKEA, BNKEB, BNKEI, BNKEJ, and BNKEC. The map also shows the Ballina Broadcast Area - Mandatory, which is a large green dashed circle centered on Ballina. The map includes a legend for the Ballina Broadcast Area - Mandatory, showing the following stations: BNKEA, BNKEB, BNKEI, BNKEJ, and BNKEC.

## Ballina Broadcast Area - Mandatory

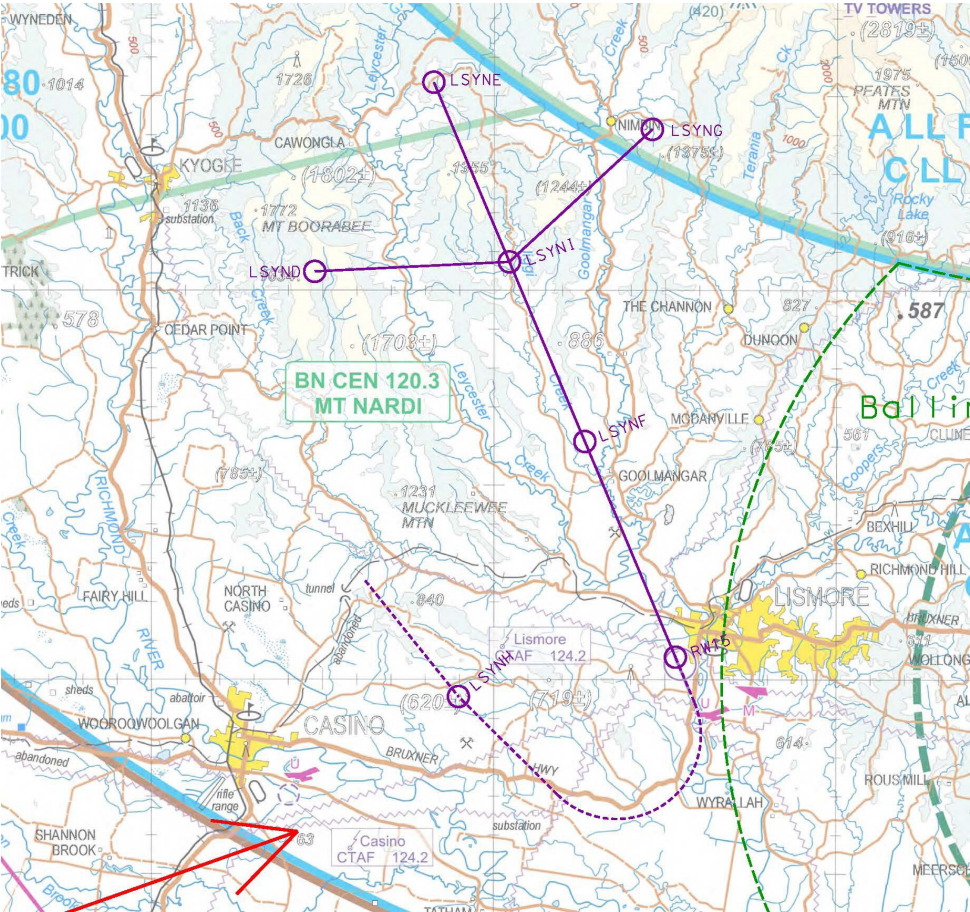
## Balinda Broadcast Area - Mandatory

## YBNA RWY 24 NDB Approach





YLIS RWY 15 RNAV Approach



YLIS RWY 33 RNAV Approach

