

ROYAL AUSTRALIAN AIR FORCE



RAAF BASE EDINBURGH  
AIRCRAFT NOISE MANAGEMENT PLAN

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Air Commodore  
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Issue Authority:	SADFO
Sponsor:	ABXO
Objective ID:	BP24863469
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EDN BANMP

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Reviewed: 5 Jun 20

Reviewed: 31 Mar 21

Reviewed: 12 May 22

Reviewed: 14 Dec 22

**Sponsor**

Airbase Executive Officer

**Developer**

Base Aviation Safety Officer

## SUMMARY OF CHANGES

Proposals for amendment of the RAAF Base Edinburgh Base Aircraft Noise Management Plan are to be emailed to [EDN.BASO@defence.gov.au](mailto:EDN.BASO@defence.gov.au).

Page	Change
ii	Remove Defence Security Manual reference and replace with Defence Security Principles Framework Link
2	Update average aircraft movement data
2	Update to aircraft types
3	Update to Noise Contact telephone number and process
Annex B	Adelaide VNC 01 Dec 22

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# RAAF BASE EDINBURGH AIRCRAFT NOISE MANAGEMENT PLAN

## References:

- A. [Air Command SI\(OPS\) 03-11 Aircraft Noise Management](#)
- B. <http://www.defence.gov.au/aircraftnoise/>

## INTRODUCTION

1. Aircraft noise is an unavoidable consequence of Air Force operations and training. The impact of aircraft noise affects communities in different ways. Air Force has an obligation to reduce the effects of aircraft noise on local communities to the maximum extent possible, whilst achieving operational and training outcomes for Government. Consequently, aircraft noise is managed locally by personnel who know and understand community concerns.
2. RAAF Base Edinburgh Base Aircraft Noise Management Plan (EDN BANMP) informs and aims to improve public understanding of aircraft noise management strategies in the vicinity of RAAF Base Edinburgh (EDN).
3. Located 25 kilometres north of Adelaide, RAAF EDN is the home base for the long range maritime patrol element and AEW&C element of Surveillance and Response Group (SRG) and Aircraft Research and Development Unit (ARDU). The Base supports activities run by Air Force Ranges Directorate (AFRD) at Woomera Test Range (WTR) and Delamere Air Weapon Ranges (DAWR). The Base is also home to a number of elements of 1st Brigade (1 BDE). These include 1st Armoured Regiment (1ARM), a regiment equipped with tanks and light armoured vehicles, and 7th Battalion, Royal Australian Regiment (7RAR), a regular mechanised infantry battalion of the Australian Army.
4. Regular training areas used by RAAF Base EDN-based aircraft extend northwards overland, and west and south over Gulf St Vincent and adjacent coast and the Great Australian Bight.

## BACKGROUND AND SCOPE

5. The EDN BANMP has been raised in compliance with the Air Force Aircraft Noise Management Strategy. The EDN BANMP applies to all flying and ground operations involving Air Force aircraft, civil-registered aircraft leased by the Air Force, Defence contracted aircraft operated by external service providers and foreign military aircraft operating from RAAF Base EDN.

## DESCRIPTION OF STANDARD AIRCRAFT OPERATIONS

6. RAAF aircraft permanently based at RAAF Base EDN include:
  - a. P-8A Poseidon, two turbofan engines
  - b. P-3C Orion, four turboprop engines
  - c. Pilatus PC-21 single turboprop engine, twin seat training aircraft
7. RAAF Base EDN has one runway, 18/36 (north/south) (see diagram in Annex A). Runway 18 is serviced by an Instrument Landing System (ILS), used to guide pilots to a safe landing in poor weather.<sup>1</sup> Preferred runway use is determined primarily by wind direction and is stipulated by Air Traffic Control (ATC) to ensure safety of flight. When ATC is not active, pilots determine the most

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<sup>1</sup> ILS training is conducted by both military and civilian aircraft. Civilian aircraft conducting ILS training will not normally land at RAAF Base EDN.

suitable runway by examining the wind conditions from weather reports and windsocks located at the airfield.

8. RAAF Base Edinburgh conducts military low flying training to the north of the Base as far as 120 nautical miles (222km) from Adelaide airport. The areas used are designated R255 and D258 and can be located on Air Services Australia Aeronautical Information Publication Charts (for example, Enroute Chart Low 2 and Adelaide Visual Terminal Chart) and are described in that organisation's publication Designated Airspace Handbook.

9. Normal flying operations for military aircraft are regularly conducted from 0800 to 2100 Australian Central Standard Time (or to 2200 Australian Central Daylight Time) Mon-Thu and 0800-1700 Fri. However RAAF Base EDN is home to a major part of the RAAF surveillance and response capability aircraft movements can occur at any time (day, night, weekday and weekend) with little or no notice in support of Australian Defence activities, regional or Allied activities or search and rescue tasking.

10. The average number of aircraft movements is 150 per week during promulgated ATC hours of activation. When civilian aircraft movements are taken into consideration during common traffic advisory (CTAF) hours, total movements have the potential to be in the vicinity of 200-220 per week.<sup>2</sup>

11. Where possible, RAAF Base EDN will advise the local community of non-routine flying events. This is not always possible due to changes in weather conditions or operational restrictions which may require aircraft to operate over land training areas more frequently.

## VARIATIONS TO STANDARD AIRCRAFT OPERATIONS

12. The most common foreseeable variation to the regular flying schedule at RAAF Base EDN is visiting aircraft from other Bases. At times, aircraft may operate outside normal airfield operating hours with approval granted by the Edinburgh Airbase Executive Officer. Attempts will be made where possible to advertise changes to the community. Defence has an extensive range of aircraft with differing engine configurations including:

- a. F-35A single jet engine fighter aircraft
- b. F/A-18F Super Hornet, twin jet engine
- c. EA-18G Growler, twin jet engine
- d. BAE Hawk 127 single jet engine, twin seat lead in fighter training aircraft
- e. KC-30A two turbofan engines, Multi-Role Tanker Transport
- f. C-17A Globemaster III, four turbofan engines
- g. Boeing E-7A two turbofan engines, AEW&C aircraft
- h. Boeing B737 Business Jet, two turbofan engines
- i. C-130J Hercules, four turboprop engines
- j. C-27J Spartan, two turboprop engines
- k. F7X Falcon, three turbofan engines
- l. KA350 King Air, two turboprop engines

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<sup>2</sup> The increase is due to the expected increase in ILS training by civilian aircraft.



- m. Various single and multi-rotor aircraft, single and twin turboshaft engines
- n. Visiting aircraft types from International Defence Forces.
13. Unforeseeable variations (caused by inclement weather and aircraft serviceability issues) will occur from time to time. Noise control minimisation measures will be implemented as required where possible.
14. **F-35A noise management.** The F-35A is expected to conduct minimal operations out of RAAF Base Edinburgh. RAAF Base Edinburgh is considered a Forward Operating Base (FOB) for the F-35A aircraft. An FOB is a secured forward military base used to support tactical operations.
15. Complaints regarding Air Force aircraft noise should be made by calling 1300 333 362 and asking for your closest RAAF base with aircraft or via submission of an [Aircraft noise complaint/enquiry form](#). The Defence member or organisation receiving the complaint is to raise [Form OA039 Record of Aircraft Noise Complaint](#). Units receiving aircraft noise complaints directly are to forward them to the Airbase Command Post (ABCP, [edn.abcp@defence.gov.au](mailto:edn.abcp@defence.gov.au)) for action. Complaints relating to Army or Navy aircraft are to be directed to the relevant Service (cc to [aircraft.noise@defence.gov.au](mailto:aircraft.noise@defence.gov.au), and if the Service point of contact is not known send the OA39 to [aircraft.noise@defence.gov.au](mailto:aircraft.noise@defence.gov.au)). Complaints relating to civilian aircraft will be directed to Adelaide Airport.
16. On receipt of a noise complaint, a Defence member from the ABCP will initiate an investigation to determine the occurrence and likely operating Squadron. Contact will be made to the complainant to provide information on the nature of the operations to the query. Investigation reports are forwarded to the Airbase Executive Officer for comment and recommendations.
17. All completed investigations are forwarded to Air Force Headquarters Aircraft Noise/Environment, Canberra for further vetting. Noise complainants are able to contact the Aircraft Noise Ombudsman [web site](#) or the following:

Aircraft Noise Ombudsman  
GPO Box 1985  
Canberra City ACT 2601  
Email: [ano@ano.gov.au](mailto:ano@ano.gov.au).

### NOISE SENSITIVE AREAS

18. Known noise sensitive areas are included in the Hazard and Noise Database (HAND) managed at RAAF Base EDN by ARDU personnel.

### FLY NEIGHBOURLY PLAN<sup>3</sup>

19. Air Force is working with local communities to reduce noise impacts whilst balancing operational and training requirements. Air Force commits to undertake flying operations in a manner which is considerate of our local communities, whilst maintaining safe operation of our aircraft and achieving the required levels of capability. Guided by these principles Air Force will:
- a. comply with published airfield noise abatement procedures
- b. use appropriate runway length for departures to maximise height over local communities

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<sup>3</sup> Refer to [http://www.defence.gov.au/AircraftNoise/\\_Master/Docs/Default/Fly%20Neighbourly%20Policy.pdf](http://www.defence.gov.au/AircraftNoise/_Master/Docs/Default/Fly%20Neighbourly%20Policy.pdf)

- c. minimise the use of afterburner on fast jets during take-off and minimise noise during climb out
- d. limit the speed of aircraft over populated areas
- e. minimise flight over residential areas and other noise sensitive buildings such as hospitals and schools
- f. avoid low flying over known noise sensitive areas such as livestock yards
- g. minimise flying late at night or early in the morning
- h. include aircraft noise awareness in pilot training and familiarisation
- i. notify local communities of major exercises or other non-routine training and flying activities such as flying displays.

### LOCALISED COMMUNICATION STRATEGY

20. RAAF Base EDN maintains the [Edinburgh page](#) of the [Defence Aircraft Noise](#) website. Significant activities are listed in the 'Announcements' section, accessed via the 'Flying Operations' link.

### REVIEW AND UPDATE PROCESS

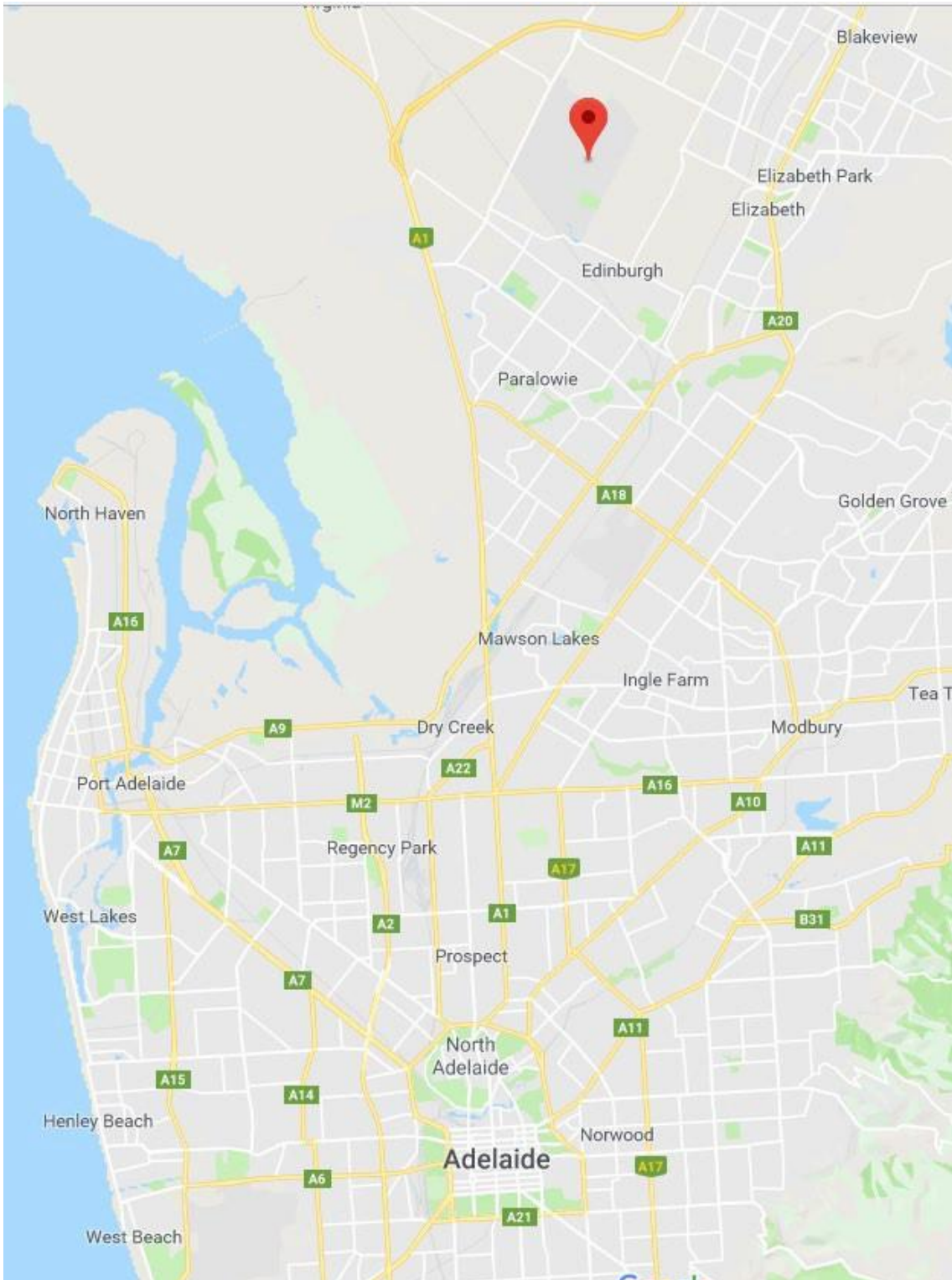
21. This document will be reviewed annually.

#### Annexes:

- A. RAAF Base Edinburgh location map
- B. EDN low flying training areas
- C. EDN ANEF

Complaints regarding Air Force aircraft noise should be made by calling 1300 333 362 and asking for your closest RAAF base with aircraft or via submission of an [Aircraft noise complaint/enquiry form](#). The Defence member or organisation receiving the complaint is to raise [Form OA039 Record of Aircraft Noise Complaint](#). Units receiving aircraft noise complaints directly are to forward them to the Airbase Command Post (ABCP, [edn.abcp@defence.gov.au](mailto:edn.abcp@defence.gov.au)) for action. Complaints relating to Army or Navy aircraft are to be directed to the relevant Service (cc to [aircraft.noise@defence.gov.au](mailto:aircraft.noise@defence.gov.au), and if the Service point of contact is not known send the OA39 to [aircraft.noise@defence.gov.au](mailto:aircraft.noise@defence.gov.au)). Complaints relating to civilian aircraft will be directed to Adelaide Airport

RAAF BASE EDINBURGH LOCATION MAP

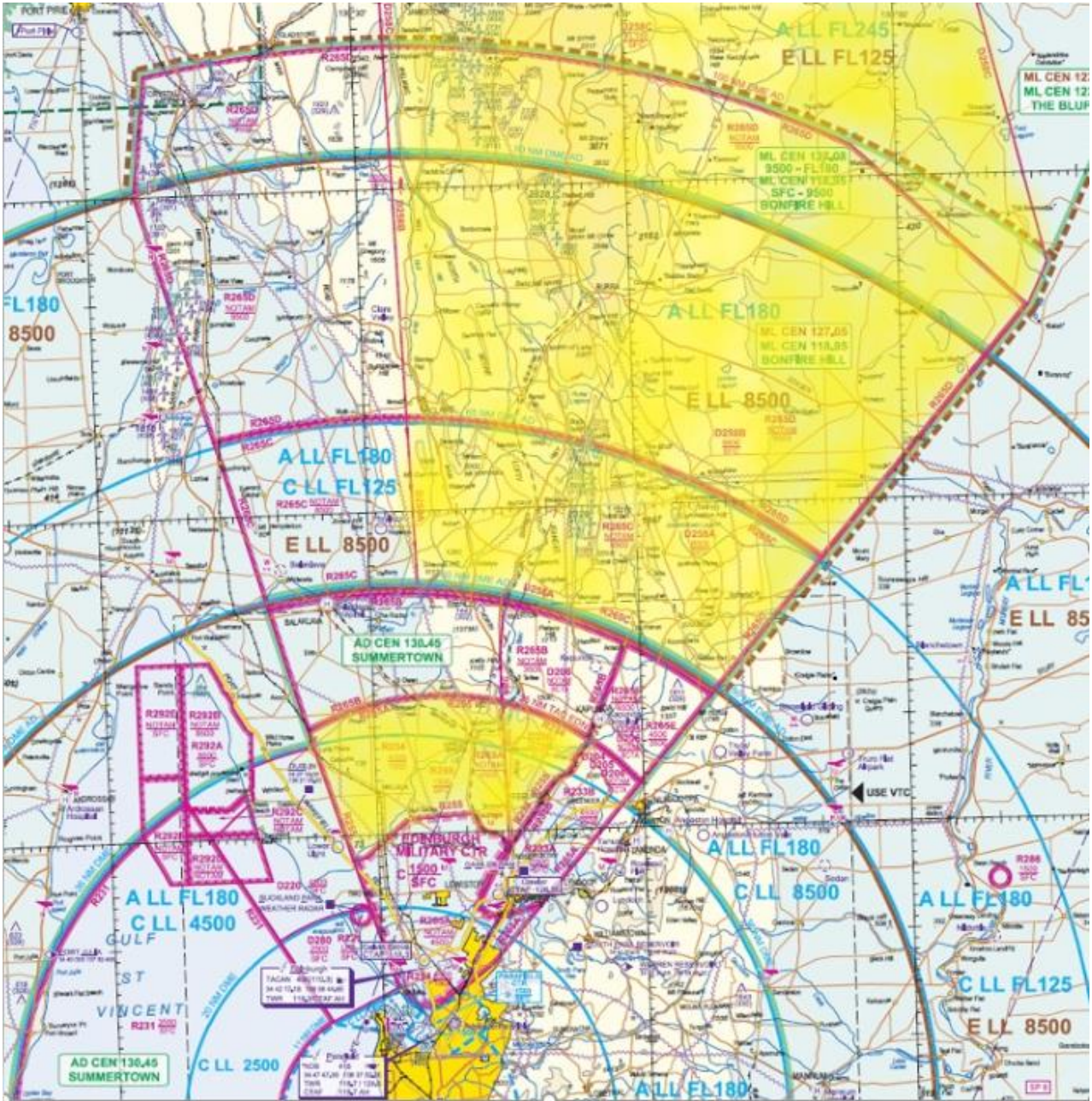


Source: Google Maps 9 May 19

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### EDN LOW FLYING TRAINING AREAS

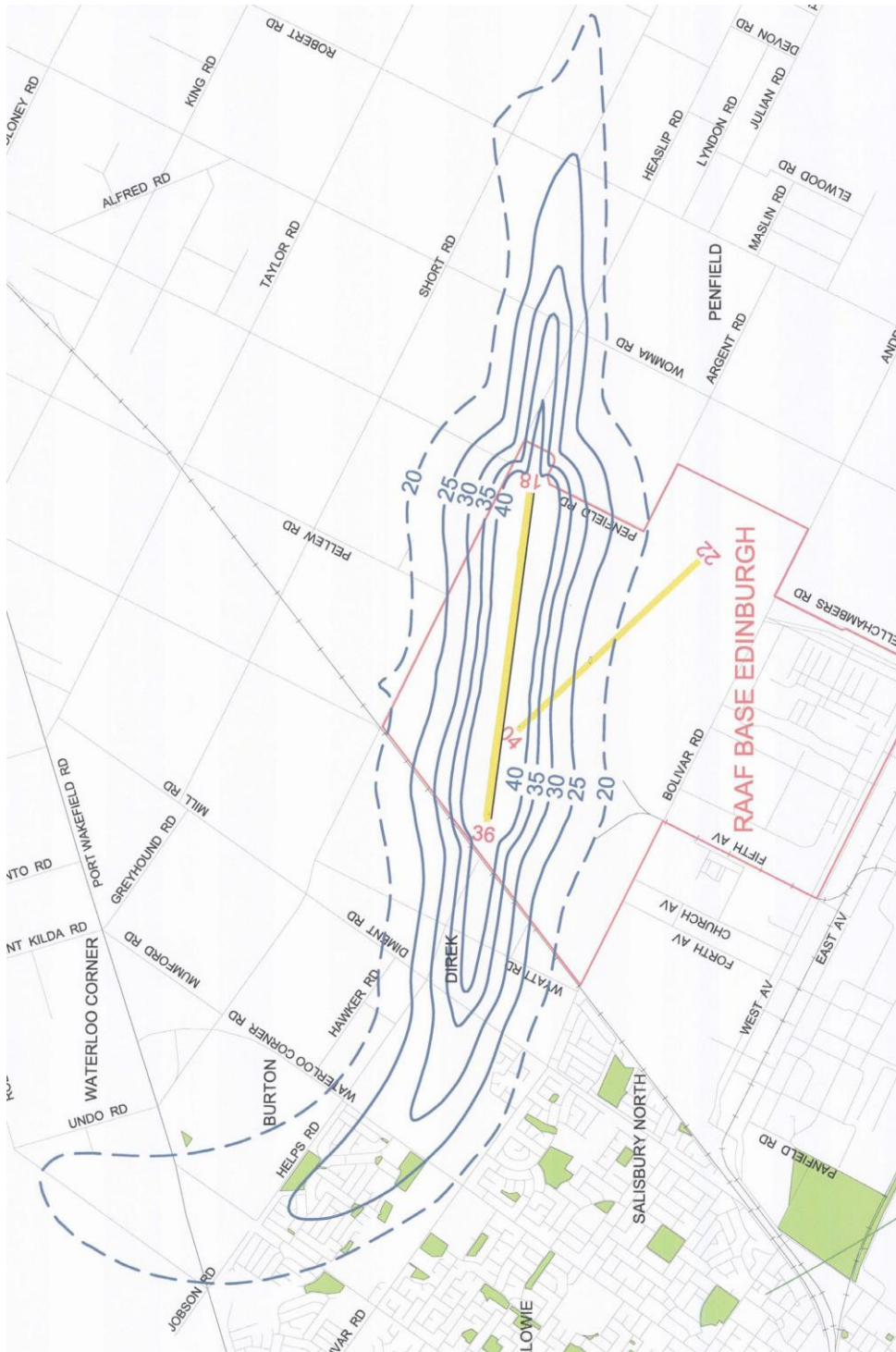


Map Source: Air Services Australia Adelaide VNC dated 01 Dec 22

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## EDN AUSTRALIAN NOISE EXPOSURE FORECAST (ANEF)

This is an extract from the Defence Aircraft Noise website (found on the World Wide Web via this link: <http://www.defence.gov.au/AircraftNoise/ANEF/Default.asp>).



**NOTE:** Runway 04/22 is decommissioned.

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