

# AvSEF Paper

## RAAF Aerial Gunnery Activity – November 2024

### NSW

#### SUBMITTED BY

Joint Airspace Control Cell

#### CONSULTATION SUMMARY

JACC requests feedback on the proposed Temporary Military Operating Area ‘Vulcan’, to support RAAF aerial gunnery activities off the coast of NSW.

#### KEY ISSUES

This proposal notes the following key issues:

- Establishment of Temporary Military Operating Area (TMOA) ‘VULCAN’ to safely segregate civil aircraft from military live fire activities off the coast of NSW.
- TMOA ‘Vulcan’ has the same lateral dimensions as R662A and R662B combined, however extends down to the surface, and is MILITARY FLYING/NON-FLYING in its purpose.
- TMOA ‘Vulcan’ will be activated concurrently with Evans Head Range (R638A-D).
- This airspace is expected to be activated for 2 periods a day, Monday to Friday for 2 weeks between 0000 – 0300Z and 0400 – 0700Z.

#### FEEDBACK TO

Joint Airspace Control Cell - [adf.airspace@defence.gov.au](mailto:adf.airspace@defence.gov.au)

#### CLOSE DATE

14 Aug 2024

#### OVERVIEW

Elements of the Royal Australian Air Force (RAAF) will be conducting Air-to-Air Gunnery (AAG) off the coast of NSW between 11 – 22 November 2024. This activity will require aircraft to tow a solid target with attached banner, which will be engaged by the 20mm cannon fitted to F/A-18F aircraft.

During the conduct of the AAG serials, aircraft will be required to operate between 5,000 – 25,000 feet MSL, with falling cannon rounds impacting the ocean surface, and maximum cannon round height reaching 30,000 feet AMSL, thus the airspace is required from surface to FL350. As the current dimensions of R662AB have a lower limit of 5000FT, a TMOA is required to contain this activity.

#### PROPOSAL

##### Airspace and Timings

TMOA Vulcan is expected to be activated for two periods each day on Monday to Friday for the two weeks between Monday 11 November and Friday 22 November 2024. Anticipated activation timings are outlined below. Timings will be promulgated in NOTAM and the airspace will be deactivated when no longer required.

Date	Time
11 – 15 November 2024	0000Z – 0300Z 0400Z – 0700Z
18 – 22 November 2024	0000Z – 0300Z 0400Z – 0700Z

TMOA Vulcan has the following dimensions and is graphically outlined in Figure 1 below. Operators should note that these dimensions are a complete combination of the lateral dimensions of R662A and R662B, and as such activating both volumes on EFBs will correctly display the dimensions of TMOA Vulcan laterally.

**TMOA ‘Vulcan’**

**Conditional Status:** RA2

**Military Flying/Non-Flying**

**Lateral Limits:** 285213S 1534939E – 283215S 1535636E – 283312S 1540749E – 283347S 1540920E – 291321S 1550710E – 294816S 1555922E – 303825S 1553125E – 302810S 1542553E – 301853S 1532932E – 293923S 1533734E then along the counter clockwise arc of a circle radius 30.00NM centre 291151S 1532344E – 285213S 1534939E

**Vertical Limits:** SFC – FL350

**Hours of Activity:** NOTAM

**Controlling Authority:** FLTCDR 452SQN AMBERLEY

**Affected Routes**

TMOA ‘Vulcan’ affects those routes normally affected by the activation of R662A and R662B. These routes are:

- B474
- P880
- T53

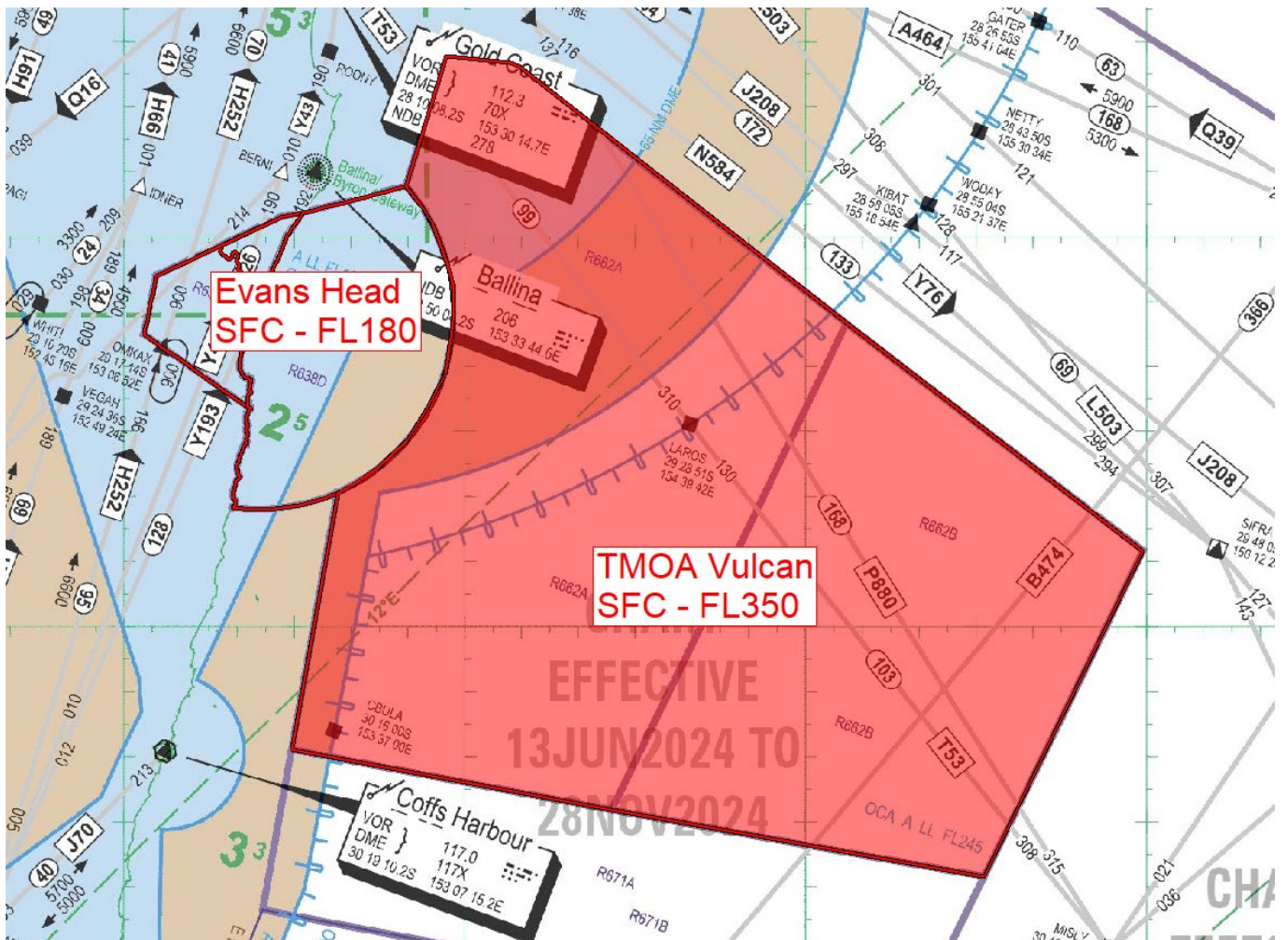
Evans Head Range ( $\leq$ FL180) will also be activated concurrently with TMOA ‘Vulcan’ and as such will also affect the following routes:

- Y193, Y43, H252, Y54, W192, W196, W256, W446, Z33

**Access to TMOA Vulcan**

During activation periods, access to TMOA Vulcan by non-exercise aircraft will not be available with the exception of:

- Aircraft operating in the preservation of life or property (MEDEVAC, FFR, POL, SAR), and
- Aircraft with a declared emergency.



**Figure 1. TMOA 'Vulcan' (SFC – FL350)**

All stakeholders are invited to provide feedback on the proposal via the Joint Airspace Control Cell: [adf.airspace@defence.gov.au](mailto:adf.airspace@defence.gov.au) by 14 Aug 2024.