AVIATION STATE ENGAGEMENT FORUM	
NSW	**SUBMISSION DATE: 31.05.2022**

TITLE	**UNSW Rocketry – High Power Rocket Launch**
SUBMITTED BY	Madison Weekes: unswrocketry@gmail.com
CONSULTATION SUMMARY	To seek members feedback on the proposal to establish a temporary restricted area (TRA) due to high level rocket launching activity
KEY ISSUES	• Rocket launching activity from 31 August 2022 to 2 September 2022 • TRA proposed with Controlling Authority
FEEDBACK TO	Madison Weekes: unswrocketry@gmail.com
CLOSE DATE	25 August 2022
ATTACHMENTS	Nil

OVERVIEW

UNSW Rocketry, a rocketry team from the University of New South Wales, is seeking to conduct a high-powered rocket launch at Caradoc Station approximately 16NM to the north of White Cliffs, NSW on the 31 August 2022 to 2 September 2022. AvSEF members should check NOTAMs closer to the date to confirm whether the activity is proceeding.

The proponent is in the process of conducting consultation regarding the activity with known airspace users such as commercial airlines and other stakeholders.

A single rocket launch to an apogee of FL350 is proposed in a launch window from 0900 – 1700 (local) on each day. The three launch windows are required due to possible delays with the flight or due to adverse weather.

As part of procedures for the launch activity, contact will be made with Air Services at least 30 minutes prior to the flight of the rocket intended to be launched into controlled airspace to confirm activation of the TRA and that no objection to the timing of the launch exists.

In addition to this, Class G Airspace will be monitored for aircraft before and during the launch activities. This will include maintaining a visual watch of the airspace, monitoring VHF Radio transmissions and finally the monitoring ADS-B Transmission from the area.

PROPOSAL

To mitigate residual airspace risks posed by the activity, a TRA is proposed from SFC to FL125 within Class G airspace, from FL125 to FL350 in the controlled airspace above.

TRA - Class G

Lateral Limits: 7NM radius of 30°40’21”S 143°11’13”E
Vertical Limits: SFC to FL125
Controlling Authority: UNSW Rocketry

TRA - CTA

Lateral Limits: 7NM radius of 30°40’21”S 143°11’13”E
Vertical Limits: FL125 to FL350

Controlling Authority: Air Services Operations Management

TRA illustrations

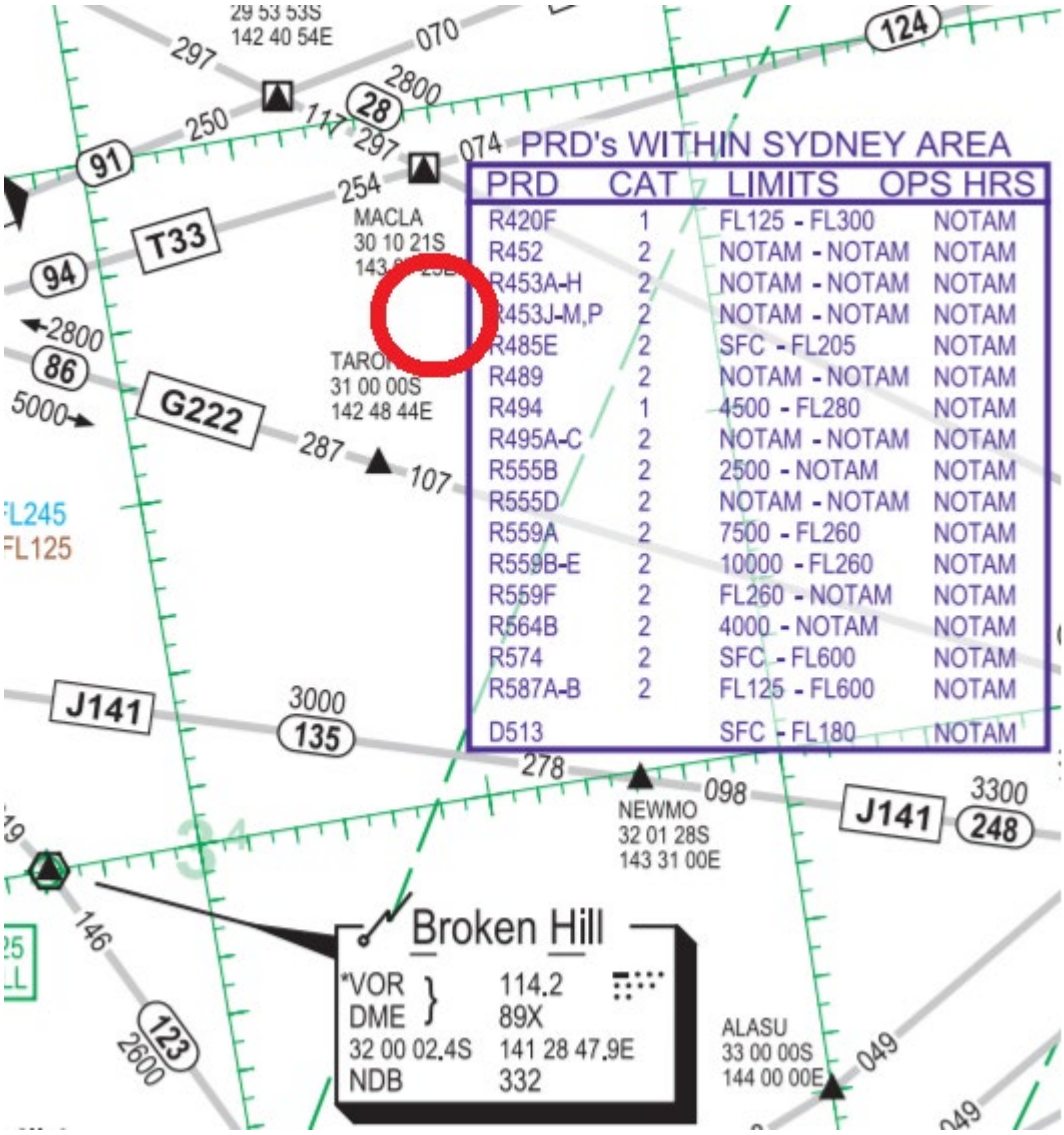

Figure 1. TRA illustrated on the ERC High (3)

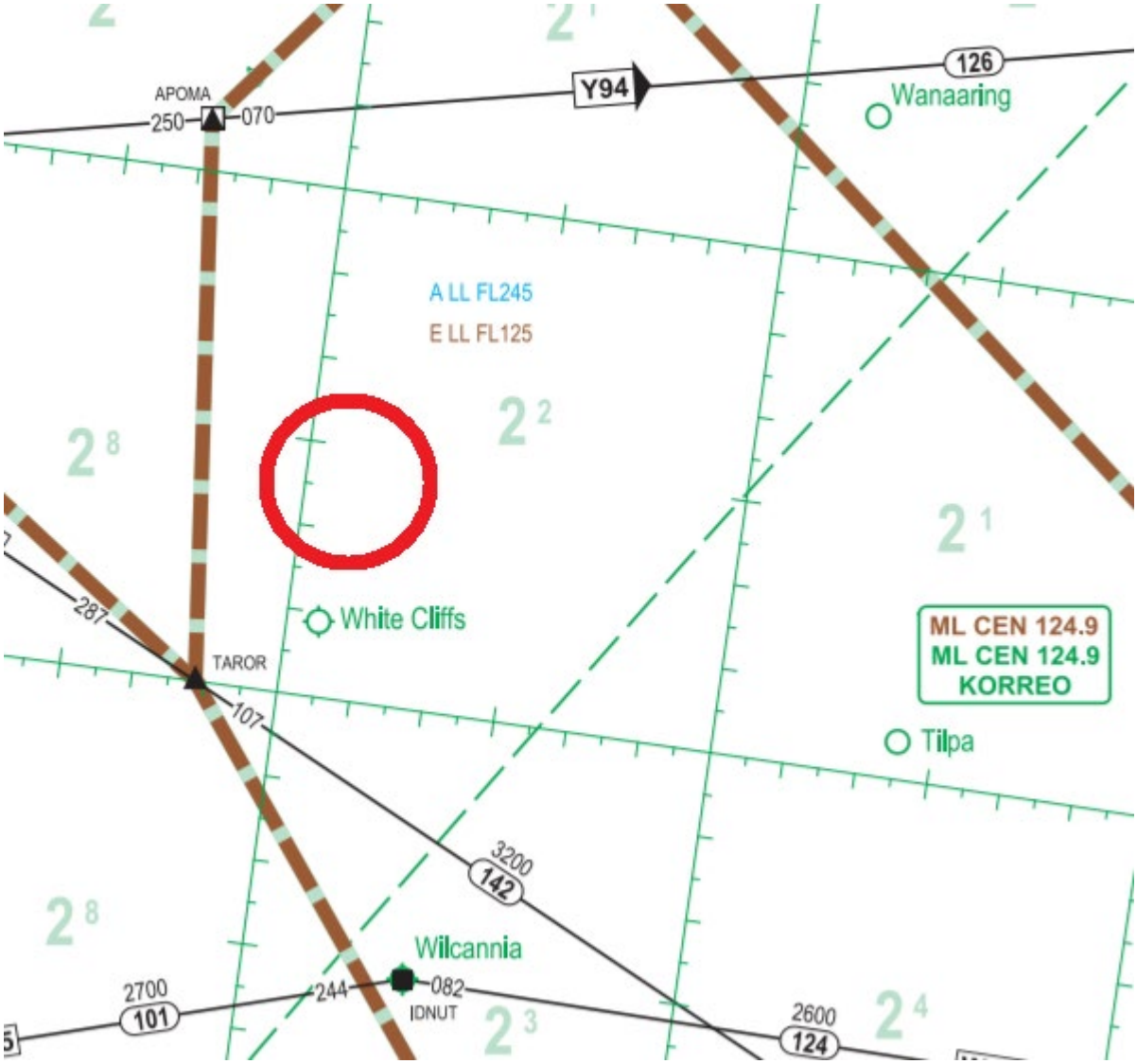

Figure 2. TRA illustrated on the ERC Low (5)

If any stakeholder has input in relation to the following, please provide feedback as this will ensure consideration can be made on such issues during the assessment process:

- Safety
- Environment
- National security
- Equity of airspace
- Any activities scheduled for the same volume of airspace over the same period