

AVIATION STATE ENGAGEMENT FORUM**Victoria****Submission date: 01/07/2020**

TITLE	Proposed New Puckapunyal Airspace
SUBMITTED BY	Squadron Leader Paul Murphy – RAAF: paul.murphy1@defence.gov.au
CONSULTATION SUMMARY	New airspace altering the eastern lateral dimensions of existing (and remaining) R352 airspace and increasing vertical to 4 000' useable for Shadow RPAS to facilitate departure and arrival to Puckapunyal Airfield
KEY ISSUES	<ul style="list-style-type: none">• Mangalore instrument approach operations• Aerobatic operations overhead Mangalore AD• Air route W477 if used for low level flights outside controlled airspace
FEEDBACK TO	Squadron Leader Paul Murphy – RAAF: paul.murphy1@defence.gov.au
CLOSE DATE	01/08/2020
ATTACHMENTS	Proposed airspace overlay on ERC Low and general aeronautical chart

OVERVIEW

Defence plans on conducting Shadow RPAS / UAS flying training at the Puckapunyal Army base. This new airspace is an extended version of existing R352 and increase in altitude to 4 000' useable by Shadow, therefore airspace activated to 5 000' AMSL.

It is expected that operations to the south and west of Mangalore may be affected by the proposed changes.

Aerobatic operations above Mangalore AD as described in ERSA may be affected.

Altitudes do not affect controlled airspace.

PROPOSAL

Shadow is a Large RPAS with approx. 18 foot wingspan, weighing 220 Kg, capable of 200 Km/h, painted inconspicuous grey and is therefore difficult to sight.

This new airspace is for the departure and arrival phases of flight to Puckapunyal airfield. It is anticipated that the airspace will be activated for the duration of Shadow sortie, i.e whilst is in R350.

The bulk of Shadow flying will occur in the lateral confines of the current Puckapunyal R350.

Lateral.

As described in map. Extends the current R352 airspace further east but remaining west of the Golbourn Valley Highway.

Vertical.

Surface to 4 000' AMSL useable by Shadow therefore NOTAM will state to 5 000' AMSL.

Timings and rate of use

Daily Timings TBA by NOTAM

Four weeks / year in 2021 and 2022, increasing to 16 weeks/year 2023 on-going

Consultation.

I have engaged with Mangalore Aerodrome Operations, Moorabbin Aviation Services, Puckapunyal RCO and ASA Melbourne Operational Changes without any significant issues arising. Moorabbin Aviation

Services advised that the Runway 23 RNAV Instrument approach missed approach element will be affected by this new airspace. There are other runways and therefore other instrument approach options available at Mangalore.