Australian Government
Civil Aviation Safety Authority

RPAS Platform - Example Test Procedure - Part 2

CASA-verified Drone Safety Apps

April 2024

Acknowledgement of Country

The Civil Aviation Safety Authority (CASA) respectfully acknowledges the Traditional Custodians of the lands on which our offices are located and their continuing connection to land, water and community, and pays respect to Elders past, present and emerging.

Inside front cover artwork: James Baban.

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Contents

Revision history **4**

Related documents **5**

Introduction **6**

Purpose 6
Overview 6
Test process 6
Assessing alternate means of compliance (AltMoC) 7
Prefixes 7

Test outcome summary **8**

Authoritative data tests **10**

Test 1 – Restricted airspace 10
Test 2 – Temporary restricted airspace 17
Test 3 – Temporary prohibited airspace 18
Test 4 – Danger areas 19
Test 5 – Controlled aerodromes/approach and departure paths 22
Test 6 – Non-controlled aerodromes and helicopter landing sites/approach and departure paths 35
Test 7 – CASA advisories 40
Test 8 – REMOVED 43
Test 9 – Fire hazards and incidents 44
Test 10 – Electricity transmission lines 46
Test 11 – Marine parks 47
Test 12 – CASA notifications [AD0020] 48

Other requirements tests **49**

Test 13 – Flying over 120 metres (400 feet) AGL 49
Test 14 – Flying outside daylight hours 50

Airspace authorisations tests **51**

Test 15 – Area wholly within GCD 51
Test 16 – Area partly falls outside GCD 56
Test 17 – Area falls within approach and departure path 59
Test 18 – Operation falls outside allowed time parameters 61
Test 19 – Authorisation above GCD cell ceiling (R405) 63
Test 20 – Area falls within an existing advisory (R405) 65
Test 21 – Simulated airspace authorisations (optional) 68

Revision history

Amendments/revisions of this procedure are recorded below in order of most recent first.

Version No.	Date	Parts/Sections	Details
3.1	April 2024	All	Test locations and expected results updated Test 8 removed New test 12 added
3.0	August 2023	All	Information added on the test process and AltMoC. Declaration steps extracted to separate document (Part 1). Additional tests added and existing test locations updated.
2.5d	February 2023	22.3	Removed test for night authorisations.
2.5b	October 2022	Tests 8.2 to 8.17	Changes to locations and required outcomes.
2.5	August 2022	All	Amended tests numbered for easy referencing, question formatting, descriptions and locations. New tests added for no-fly zones.
2.1	September 2021		Updated emergency services data feeds. Addition of optional airspace authorisations simulation flights.
2.0	October 2020		Addition of airspace authorisations tests.
1.0	November 2019	All	Initial release

Related documents

Amendments/revisions of this procedure are recorded below in order of most recent first.

Document type	Available at
The rules • Civil Aviation Safety Regulations 1998 (CASR) Part 101 – Unmanned aircraft and rockets • Part 101 (Unmanned Aircraft and Rockets) Manual of Standards 2019 • CASA 22/22 – Operation of Certain Unmanned Aircraft Directions 2020	https://www.casa.gov.au/drones/documents-and-forms
RPAS Platform onboarding documents • RPAS Platform Concept of Operations • RPAS Platform Operating Rules • RPAS Platform Terms and Conditions • RPAS Platform Application Form	https://www.casa.gov.au/drones/industry-initiatives/digital-platform

Introduction

Purpose

The purpose of this document is to provide software application (app) providers with an example of the test activities requiring CASA oversight, that will be completed during the software onboarding check-out interview for the RPAS Platform, or as part of an ongoing quality control assessment.

Overview

This version of the test procedure aligns with version 3 of the *RPAS Platform Operating Rules*. The test activities are conducted against documented criteria to confirm that software meets the requirement to become a CASA-verified Drone Safety App (application) provider.

This test is required to be completed in the following circumstances:

- **CASA check-out**: During the initial deployment or for the release of a new service (e.g. AAA service).
- **Significant change**: An update or modification that impacts compliance with the *RPAS Platform Operating Rules* will require an updated Declaration of Compliance to be completed. Updates to software that do not impact compliance with the *RPAS Platform Operating Rules* are not considered by CASA to be a significant change.
- **On request by CASA**: CASA may request a software provider review and update a Declaration of Compliance as part of a routine check or due to specific concerns or incidents.

CASA (or a recognised third-party) will conduct all official assessments as described in this document. However, software developers are recommended to conduct periodic self-tests of their software using this document.

The *RPAS Platform - Example Test Procedure - Part 1 - Declaration of Compliance* must be completed by the software developer and submitted to CASA for review prior to commencing an official assessment using this test procedure.

The testing will occur against casa-staging.rpasplatform.net. Each software platform (e.g. Web-based and mobile apps) must go through a separate test process. Production credentials for onboarding developers will be provided only after all software is approved.

This document should also be read in conjunction with the following RPAS Platform documents:

- *RPAS Platform - Example Test Procedure - Part 1 - Declaration of Compliance*
- *RPAS Platform Operating Rules*
- *RPAS Platform Concept of Operations*.

Test process

These software check-out test steps collectively verify the system's capability to accurately retrieve, manipulate, and present data, thereby providing a robust, readily comprehensible and user-friendly tool for the end user.

The tests listed in this document are initiated by selecting a user type (Recreational, Excluded or ReOC) and querying the software with specific geographic locations or areas. This ensures that the correct aeronautical information and expected result (None, Advise or Block) is returned for that user type, verifying the system's compliance with the *RPAS Platform Operating Rules*.

Each query's response is cross-checked with the expected output, identified in the test, to confirm the software's accuracy and precision. In addition, the tests assess the successful ingestion and appropriate manipulation of externally-sourced data to ascertain whether it is correctly presented on the map interface.

To complete the test procedure, software developers will need to include the capability to conduct the following types of queries in their software applications:

- **Single point latitude and longitude searches**: All software applications should have the functionality to conduct a search based on single-point latitude and longitude inputs. This search method will allow users to retrieve aeronautical information and a specific flag for a particular geographic location.
- **Area searches**: In addition to single-point searches, software applications must also allow for area searches. This can be achieved in two ways:
  - Radius search: The software should allow users to specify a central geographic point (latitude and longitude) and radius. The software application should return comprehensive aeronautical information for the defined area.
  - Polygon area search: Software applications must also facilitate searches for areas defined by several points forming a polygon. The software should return aeronautical information pertaining to the entire defined polygon area.

The result is the outcome that the software returns when queried with a specific geographic location or area, in compliance with the *RPAS Platform Operating Rules*. Each test identifies an expected result which will be compared to the actual result produced by the software. In most cases it will be none, Advise or Block.

Assessing alternate means of compliance (AltMoC)

CASA will determine whether an AltMoC, as proposed by a software developer, is suitable during this stage of the RPAS Platform test procedure. CASA's main criteria for determining an AltMoC as suitable, is for it to be at least as safe and effective as the original requirements.

Where CASA is satisfied with the proposed AltMoC, the proposed test confirming the AltMoC has been implemented and is functional, will be conducted in place of the test step in this document.

In cases where an AltMoC is determined to be unsuitable, CASA will provide constructive feedback and an opportunity to revise and resubmit the proposal for future testing and evaluation.

Prefixes

Each operating rule is assigned an identifier enclosed by brackets and comprised of a grouping prefix and a number. For example, [UAA0005] and [HBY0025].

This document uses the following prefixes:

Table 1. Grouping prefixes

Prefix	Description
UAA	User Accounts, Access and Disclaimer
ASD	Airspace Data
AD	Additional Data
HBY	Recreational
CEX	Commercial Excluded Operation
ReOC	Commercial Included Operation
AA	Airspace Authorisations

Test outcome summary

Software, provider and test details

Software application name		Date and time of check-out	
Software provider		Check-out location	
Software provider representatives		CASA/Test representatives	
Software platform tested on (e.g. iOS)		Tested functions	☐ Y ☐ N – Required content ☐ Y ☐ N – Authoritative data ☐ Y ☐ N – Airspace authorisations

Test summary

Notes

Test outcome

☐ **Pass**	This software application is verified for connection to the CASA RPAS Platform Production Environment to provide the tested functions.
☐ **Fail**	This software application is not verified for connection to the CASA RPAS Platform Production Environment to provide the tested functions.
☐ **Further testing required**	The following items (listed on page 9) need to be re-tested:

Items for further testing

Signatures

Signatures Approving Test Event and Documented Outcomes

Software Provider:		**CASA:**	

Authoritative data tests

Test 1 – Restricted airspace

If NAIPS subscription is not available complete tests 1.1, 1.2 & 1.3

HBY0010: RA1, RA2, MOAs = Advise. Prohibited & RA3 = Block

CEX0010: RA1, RA2, MOAs = Advise. Prohibited & RA3 = Block

ReOC0020: RA1, RA2 RA3, MOAs, Prohibited = Block

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
1.1	[HBY0010]	The app identifies restricted areas [ASD0005] Software developer to demonstrate what information each type of RPAS user is provided in the following location. **Location details** **Name:** R332 HANNS INLET – RA3 – SFC-FL020 / DLY 2100-1300UTC (0700-2300 AEST) (-1 HDS) or as amended by NOTAM **Date/Time**: Next Wednesday at 1300	**Block**	☐	☐	☐	
	[CEX0010]	**Lat, long**: 38°22'02.8"S 145°12'12.7"E or -38.367400 145.2035000	**Block**	☐	☐	☐	

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
	[ReOC0020]	**Address**: Cayley Ave, Hmas Cerberus VIC 3920	**Advise**	☐	☐	☐	

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
1.2	[HBY0010]	<u>The app identifies restricted areas [ASD0005]</u> Software developer to demonstrate what information each type of RPAS user is provided in the following location. **Location details** **Name:** R470 RICHMOND – RA1 – SFC-4500 / Mon-Thu 2200-1300UTC (0800-2300 AEST), Fri & JF 2200-0830 (0800-1830) (-1 HDS) or as amended by NOTAM **Date/Time**: Next Wednesday at 1300	**Advise**	☐	☐	☐	
	[CEX0010]	**Lat, long**: 33°41'46.8"S 150°49'04.2"E or -33.696300 150.817800	**Advise**	☐	☐	☐	
	[ReOC0020]	**Address**: Marsden Park NSW 2765	**Advise**	☐	☐	☐	

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
1.3	[HBY0010]	<u>The app identifies restricted areas [ASD0005]</u> Software developer to demonstrate what information each type of RPAS user is provided in the following location. **Location details** **Name:** R430A TIDBINBILLA – RA2 – SFC-3500 / H24 **Date/Time**: Next Wednesday at 1300	**Advise**	☐	☐	☐	
	[CEX0010]	**Lat, long**: 35°23'49.8"S 148°58'45.6"E or -35.397100, 148.979300	**Advise**	☐	☐	☐	
	[ReOC0020]	**Address**: Canberra Space Centre, Paddys River, ACT 2620	**Advise**	☐	☐	☐	

With NAIPS and ERSA data subscription complete tests 1.4 & 1.5

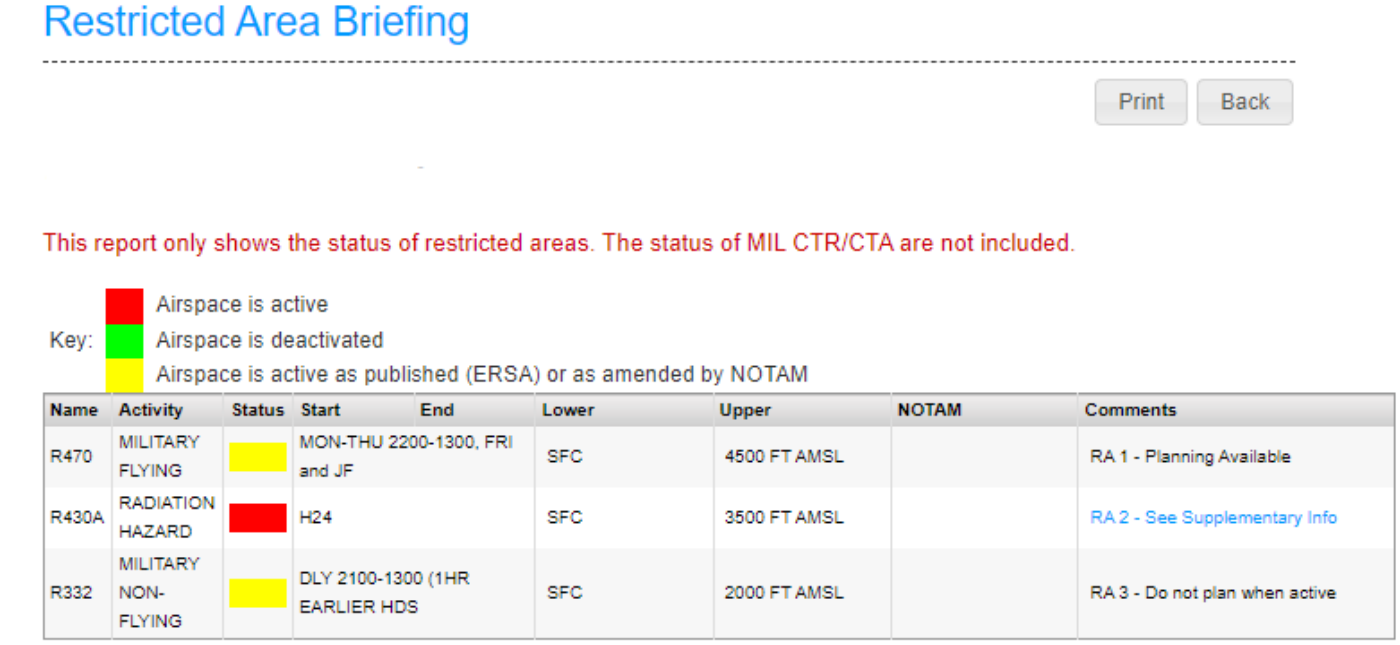
For the following tests, the expected output for all Special Use Airspace (SUA) must be determined at the time of the assessment by checking the NAIPS restricted area briefing. The expected outputs should be as follows:

[HBY0010]: If active = Block. If inactive = None.

[CEX0010]: If active = Block. If inactive = None.

[ReOC0020]: If active = Advise. If inactive = None.

To confirm an SUA is active or inactive use NAIPS restricted area briefing.



Restricted Area Briefing

Print Back

This report only shows the status of restricted areas. The status of MIL CTR/CTA are not included.

Key:
- Airspace is active
- Airspace is deactivated
- Airspace is active as published (ERSA) or as amended by NOTAM

Name	Activity	Status	Start	End	Lower	Upper	NOTAM	Comments
R470	MILITARY FLYING		MON-THU 2200-1300, FRI and JF		SFC	4500 FT AMSL		RA 1 - Planning Available
R430A	RADIATION HAZARD		H24		SFC	3500 FT AMSL		RA 2 - See Supplementary Info
R332	MILITARY NON-FLYING		DLY 2100-1300 (1HR EARLIER HDS		SFC	2000 FT AMSL		RA 3 - Do not plan when active

Once the expected outcome is determined, input the correct output in the **Expected Output** boxes.

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
1.4	[HBY0010]	<u>The app identifies restricted areas [ASD0005]</u> Software developer to demonstrate what information each type of RPAS user is provided in the following location. **Location details** **Name:** R470 RICHMOND – RA1 – SFC-4500 / Mon-Thu 2200-1300UTC (0800-2300 AEST), Fri & JF 2200-0830 (0800-1830) (-1 HDS) or as amended by NOTAM **Date/Time:** Next Wednesday at 1300	**Block**	☐	☐	☐	IF ACTIVE
	[CEX0010]	**Lat, long**: 33°41'46.8"S 150°49'04.2"E or -33.696300, 150.817800	**Block**	☐	☐	☐	IF ACTIVE
	[ReOC0020]	**Address**: Marsden Park NSW 2765	**Advise**	☐	☐	☐	IF ACTIVE

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
1.5	[HBY0010]	The app identifies restricted areas [ASD0005] Software developer to demonstrate what information each type of RPAS user is provided in the following location. **Location details** **Name:** R470 RICHMOND – RA1 – SFC-4500 / Mon-Thu 2200-1300UTC (0800-2300 AEST), Fri & JF 2200-0830 (0800-1830) (-1 HDS) or as amended by NOTAM **Date/Time**: Next Wednesday at 0730	**None**	☐	☐	☐	IF DEACTIVATED
	[CEX0010]	**Lat, long**: 33°41'46.8"S 150°49'04.2"E or -33.696300, 150.817800	**None**	☐	☐	☐	IF DEACTIVATED
	[ReOC0020]	**Address:** Marsden Park NSW 2765	**None**	☐	☐	☐	IF DEACTIVATED

Test 2 – Temporary restricted airspace

Without NAIPS data subscription

TRAs are not available to software applications without the NAIPS dataset

With NAIPS data subscription

CASA: For the following tests, check the YMMM and YBBB FIR NOTAMs in the NAIPS location briefing tool for “TEMPO RESTRICTED AREA”. Update the expected output below:

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
2.1	[HBY0010]	Not applicable – no current TRA [ASD0010] Software developer to demonstrate what information each type of RPAS user is provided in the following location. **Location details** **Name:** <TRA Name -TRA description> **Lat, long:** <TRA Latitude/Longitude> **Address search:** <TRA Address>	**Block**	☐	☐	☐	
	[CEX0010]		**Block**	☐	☐	☐	
	[ReOC0020]		**Block**	☐	☐	☐	

Test 3 – Temporary prohibited airspace

Without NAIPS data subscription

TPAs are not available to software applications without the NAIPS dataset

With NAIPS data subscription

CASA: For the following tests, check the YMMM and YBBB FIR NOTAMs in the NAIPS location briefing tool for “TEMPO RESTRICTED AREA”. Update the expected output below:

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
3.1	[HBY0010]	Not applicable – no current TPA [ASD0015] Software developer to demonstrate what information each type of RPAS user is provided in the following location. **Location details** **Name:** <TPA Name -TPA description> **Lat, long**: <TPA Latitude/Longitude> **Address search:** <TPA Address>	**Block**	☐	☐	☐	
	[CEX0010]		**Block**	☐	☐	☐	
	[ReOC0020]		**Block**	☐	☐	☐	

Test 4 – Danger areas

Without NAIPS data subscription complete test 4.1

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
4.1	[HBY0040]	The app identifies danger areas [ASD0020] Software developer to demonstrate what information each type of RPAS user is provided in the following location. **Location details** **Name:** D342 MORAN RESERVE – SFC-2500 / HJ or as amended by NOTAM **Date/Time:** Next Wednesday at 1300	**Advise**	☐	☐	☐	
	[CEX0040]	**Lat, long:** 37°53'22.2"S 144°59'10.2"E or -37.889500, 144.986167	**Advise**	☐	☐	☐	
	[ReOC0040]	**Address:** 89 Ormond Esplanade, Elwood VIC 3184	**Advise**	☐	☐	☐	

With NAIPS data subscription complete test 4.2 & 4.3

For the following tests, check NAIPS area briefings and update the Expected Output as follows:

- **If area is ACTIVE:**
  - Rec [HBY0010], Exc [CEX0010] and ReOC [ReOC0020] = **Advise**
- **If area is DEACTIVATED:**
  - Rec [HBY0010], Exc [CEX0010] and ReOC [ReOC0020] = **None** or **N/A**

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
4.2	[HBY0040]	The app identifies danger areas [ASD0020] Software developer to demonstrate what information each type of RPAS user is provided in the following location. **Location details** **Name:** D526 CADIA GOLD MINE – SFC-8500 / MON-SAT-HJ **Date/Time:** Next Wednesday at 1300	**Advise**	☐	☐	☐	**IF ACTIVE**
	[CEX0040]	**Lat, long:** 33°27'59.8"S 148°59'48.8"E or -33.466600 148.996900	**Advise**	☐	☐	☐	**IF ACTIVE**
	[ReOC0040]	**Address:** Cadia Gold Mine, Panuara NSW 2800	**Advise**	☐	☐	☐	**IF ACTIVE**

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
4.3	[HBY0040]	The app identifies danger areas [ASD0020] Software developer to demonstrate what information each type of RPAS user is provided in the following location. **Location details** **Name**: D526 CADIA GOLD MINE – SFC-8500 / MON-SAT-HJ **Date/Time**: Next Sunday at 1300	**None**	☐	☐	☐	**IF DEACTIVATED**
	[CEX0040]	**Lat, long:** 33°27'59.8"S 148°59'48.8"E or -33.466600 148.996900	**None**	☐	☐	☐	**IF DEACTIVATED**
	[ReOC0040]	**Address**: Cadia Gold Mine, Panuara NSW 2800	**None**	☐	☐	☐	**IF DEACTIVATED**

Test 5 – Controlled aerodromes/approach and departure paths

No-fly zone boundary tests

To test that the 3nm boundary and the approach and departure paths are drawn correctly, 2 locations in close proximity to the boundary have been provided for each area. The difference between the 2 points is >20m but <25m.

The following tests are broken down as follows:

- Tests 5.1 to 5.6 assess the boundary edge of the 3nm no-fly zone have been generated in accordance with attachment C, section C.1 of the RPAS Platform Operating Rules.
- Tests 5.7 to 5.16 assess the boundary edge of the approach and departure path no-fly zone have been generated in accordance with attachment C, section C.2 of the RPAS Platform Operating Rules.
- Test 5.17 & 5.18 assess the expected output for a location within the 3nm and approach and departure path no-fly zone without NAIPS data.
- Test 5.19 & 5.20 assess the expected output for a location within the 3nm and approach and departure path no-fly zone with NAIPs data.

The example locations below are provided in both Decimal Degrees to 6 decimal points, and Degrees Minute Seconds to 2 decimal points. The standard used to derive the following test locations was determined using the threshold coordinates at Perth (YPPH) (DAH 30 NOV 23) and are provided here.

RUNWAY	LATITUDE	LONGITUDE
03	31° 57’ 31.46” S	115° 57’ 34.86” E
21	31° 55’ 42.94” S	115° 58’ 06.47” E
06	31° 56’ 27.56” S	115° 57’ 33.13” E
24	31° 55’ 51.27” S	115° 58’ 43.65” E

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
5.1	[HBY0030]	The app identifies the 3nm no-fly zone [ASD0025] & [ASD0030] **Location details** **Name:** YPPH – Perth Airport 3nm No-fly Zone **Date/Time:** Next Wednesday at 1300 **Lat, long:** 32°00'16.9"S 115°58'58.8"E or -32.004700 115.983000 In vicinity of **Address:** 20 Limerick Loop, Wattle Grove WA 6107	**Block - Location is inside the 3nm no-fly zone.**	☐	☐	☐	These tests assesses the boundary edge of the 3nm no-fly zone.
5.2		The app identifies the 3nm no-fly zone [ASD0025] & [ASD0030] **Location details** **Name:** YPPH – Perth Airport 3nm No-fly Zone **Date/Time**: Next Wednesday at 1300 **Lat, long:** 32°00'17.3"S 115°58'58.4"E or -32.004800 115.982900 In vicinity of **Address**: 20 Limerick Loop, Wattle Grove WA 6107	**None - Location is outside the 3nm no-fly zone.**	☐	☐	☐	

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
5.3	[HBY0030]	The app identifies the 3nm no-fly zone [ASD0025] & [ASD0030] **Location details** **Name:** YPPH – Perth Airport 3nm No-fly Zone **Date/Time:** Next Wednesday at 1300 **Lat, long:** 31°58'07.3"S 116°01'02.3"E or -31.968700 116.017300 In vicinity of **Address**: 161 Brewer Rd, Maida Vale WA 6057	**Block - Location is inside the 3nm no-fly zone.**	☐	☐	☐	These tests assesses the boundary edge of the 3nm no-fly zone.
5.4		The app identifies the 3nm no-fly zone [ASD0025] & [ASD0030] **Location details** **Name:** YPPH – Perth Airport 3nm No-fly Zone **Date/Time:** Next Wednesday at 1300 **Lat, long:** 31°58'07.3"S 116°01'02.6"E or -31.968700 116.017400 In vicinity of **Address**: 161 Brewer Rd, Maida Vale WA 6057	**None - Location is outside the 3nm no-fly zone.**	☐	☐	☐	

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
5.5	[HBY0030]	The app identifies the 3nm no-fly zone [ASD0025] & [ASD0030] **Location details** **Name:** YPPH – Perth Airport 3nm No-fly Zone **Date/Time:** Next Wednesday at 1300 **Lat, long:** 31°53'32.3"S 115°55'40.8"E or -31.892300 115.928000 In vicinity of **Address**: Hampton Senior High School, 60 Morley Dr E, Morley WA 6062	**Block - Location is inside the 3nm no-fly zone.**	☐	☐	☐	These tests assesses the boundary edge of the 3nm no-fly zone.
5.6		The app identifies the 3nm no-fly zone [ASD0025] & [ASD0030] **Location details** **Name:** YPPH – Perth Airport 3nm No-fly Zone **Date/Time:** Next Wednesday at 1300 **Lat, long:** 35°18’26.6”S 149°07’28.2”E or -31.892100 115.928200 In vicinity of **Address**: Hampton Senior High School, 60 Morley Dr E, Morley WA 6062	**None - Location is outside the 3nm no-fly zone.**	☐	☐	☐	

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
5.7	[HBY0031] [CEX0031] [ReOC0026]	The app identifies the approach and departure path no-fly zone [ASD0025] & [ASD0030] **Location details** **Name:** YPPH – Perth Airport 06/24 ADP No-fly Zone **Date/Time:** Next Wednesday at 1300 **Lat, long:** 32°01'18.1"S 115°57'41.4"E or -32.021700 115.961500 In vicinity of **Address**: 168A Bickley Rd, Beckenham WA 6107	**Block - Location is inside the 3nm no-fly zone.**	☐	☐	☐	These tests assesses the boundary edge of the approach and departure path no-fly zone.
5.8		The app identifies the approach and departure path no-fly zone [ASD0025] & [ASD0030] **Location details** **Name:** YPPH – Perth Airport 06/24 ADP No-fly Zone **Date/Time:** Next Wednesday at 1300 **Lat, long:** 32°01'18.5"S 115°57'42.1"E or -32.021800 115.961700 In vicinity of **Address**: 168A Bickley Rd, Beckenham WA 6107	**None - Location is outside the 3nm no-fly zone.**	☐	☐	☐	

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
5.9	[HBY0031]	The app identifies the approach and departure path no-fly zone [ASD0025] & [ASD0030] **Location details** **Name:** Perth Airport 06/24 ADP No-fly Zone **Date/Time:** Next Wednesday at 1300 **Lat, long:** 31°54'51.1"S 116°02'51.0"E or -31.914200 116.047500 In vicinity of **Address**: 6 Orana Pl, Helena Valley WA 6056	**Block - Location is inside the 3nm no-fly zone.**	☐	☐	☐	These tests assesses the boundary edge of the approach and departure path no-fly zone.
5.10		The app identifies the approach and departure path no-fly zone [ASD0025] & [ASD0030] **Location details** **Name:** Perth Airport 06/24 ADP No-fly Zone **Date/Time:** Next Wednesday at 1300 **Lat, long:** 31°54'52.6"S 116°02'50.6"E or -31.914600 116.047400 In vicinity of **Address**: 6 Orana Pl, Helena Valley WA 6056	**None - Location is outside the 3nm no-fly zone.**	☐	☐	☐	

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
5.11	[HBY0031]	The app identifies the approach and departure path no-fly zone [ASD0025] & [ASD0030] **Location details** **Name:** Perth Airport 03/21 ADP No-fly Zone **Date/Time:** Next Wednesday at 1300 **Lat, long:** 31°54'20.5"S 116°02'49.9"E or -31.905700 116.047200 In vicinity of **Address**: 25 Scott St, Koongamia WA 6056	**Block - Location is inside the approach and departure path no-fly zone but outside the 1.5km crosshatched segment.**	☐	☐	☐	These tests assesses the boundary edge of the approach and departure path no-fly zone.
5.12		The app identifies the approach and departure path no-fly zone [ASD0025] & [ASD0030] **Location details** **Altitude:** 50ft AGL **Name:** Perth Airport 03/21 ADP No-fly Zone **Date/Time:** Next Wednesday at 1300 **Lat, long:** 31°54'20.2"S 116°02'51.0"E or -31.905600 116.047500 In vicinity of **Address**: 21 Scott St, Koongamia WA 6056	**None - Location is outside the approach and departure path no-fly zone and under the 1.5km crosshatched segment.**	☐	☐	☐	

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
5.13	[HBY0031]	The app identifies the approach and departure path no-fly zone [ASD0025] & [ASD0030] **Location details** **Altitude:** 350ft AGL **Name:** Perth Airport 03/21 ADP No-fly Zone **Date/Time:** Next Wednesday at 1300 **Lat, long:** 32°02'00.2"S 115°56'23.3"E or -32.033400 115.939800 In vicinity of **Address**: 22 Cutten Pl, Langford WA 6147	**Block - Location is inside the 1.5km crosshatched segment of the approach and departure path no-fly zone.**	☐	☐	☐	These tests assesses the boundary edge of the approach and departure path no-fly zone.
5.14		The app identifies the approach and departure path no-fly zone [ASD0025] & [ASD0030] **Location details** **Altitude:** 350ft AGL **Name:** Perth Airport 03/21 ADP No-fly Zone **Date/Time:** Next Wednesday at 1300 **Lat, long:** 32°02'01.0"S 115°56'22.9"E or -32.033600 115.939700 In vicinity of **Address**: 22 Cutten Pl, Langford WA 6147	**None - Location is outside the 1.5km crosshatched segment of the approach and departure path no-fly zone.**	☐	☐	☐	

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
5.15	[HBY0031]	The app identifies the approach and departure path no-fly zone [ASD0025] & [ASD0030] **Location details** **Altitude:** 350ft AGL **Name:** Perth Airport 06/24 ADP No-fly Zone **Date/Time:** Next Wednesday at 1300 **Lat, long:** 31°53'15.0"S 116°02'39.5"E or -31.887500 116.044300 In vicinity of **Address**: 39 Gladstone Ave, Swan View WA 6056	**Block - Location is inside the 1.5km crosshatched segment (from of the approach and departure path no-fly zone.**	☐	☐	☐	These tests assesses the vertical crosshatched segment boundary edge of the approach and departure path no-fly zone as in Figure 4.05 of Part 101 MOS. Apps that cannot set an operating height should assume all operations are being conducted at 120m/400ft AGL and return a block result for both tests.
5.16		The app identifies the approach and departure path no-fly zone [ASD0025] & [ASD0030] **Location details** **Altitude:** 50ft AGL **Name:** Perth Airport 06/24 ADP No-fly Zone **Date/Time:** Next Wednesday at 1300 **Lat, long:** 31°53'15.0"S 116°02'39.5"E or -31.887500 116.044300 In vicinity of **Address**: 39 Gladstone Ave, Swan View WA 6056	**None - Location is below the 1.5km crosshatched segment of the approach and departure path no-fly zone.**	☐	☐	☐	

Both with and without a NAIPS data subscription complete tests 5.17 & 5.18

For the following tests, the expected output is listed in the Expected Output column.

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
5.17	[HBY0030]	The app provides the correct information for operations within the 3nm no-fly zone of a controlled aerodrome [ASD0025] & [ASD0030] Demonstrate what information each type of RPAS user is provided in the following location. **Location details** **Name:** YPPH – Perth Airport **Date/Time:** Next Wednesday at 1300	**Block**	☐	☐	☐	This test assesses the expected output for a location within the 3nm no-fly zone of a controlled aerodrome
	[CEX0030]	**Lat, long:** 31°57'57.6"S 116°00'15.8"E or -31.966000 116.004400	**Block**	☐	☐	☐	
	[ReOC0025]	In vicinity of **Address**: 110 Nardine Cl, High Wycombe WA 6057	**Advise**	☐	☐	☐	

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
5.18	[HBY0030]	<u>The app provides the correct information for operations within the approach and departure path no-fly zone of a controlled aerodrome [ASD0025] & [ASD0030]</u> Demonstrate what information each type of RPAS user is provided in the following location. **Location details** **Name:** YPPH – Perth Airport **Date/Time:** Next Wednesday at 1300	**Block**	☐	☐	☐	Location inside Approach and Departure Path no-fly zone of a controlled airport (but outside the 3nm boundary)
	[CEX0030]	**Lat, long:** 31°54'47.5"S 116°02'37.0"E or -31.913200, 116.043600	**Block**	☐	☐	☐	
	[ReOC0025]	In vicinity of **Address:** 18 Glynden Way, Helena Valley WA 6056	**Advise**	☐	☐	☐	

With NAIPS data subscription complete tests 5.19 & 5.20

For the following tests, the expected output is listed in the **Expected Output** column.

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
5.19	[HBY0030]	The app provides the correct information for operations within the 3nm no-fly zone of a controlled aerodrome [ASD0025] & [ASD0030] Demonstrate what information each type of RPAS user is provided in the following location **during** tower hours. **Location details** **Name:** YMAY – Albury Airport - TWR HRS are 2015-1030Z (0615- 2030 AEST) **Date/time:** Next Wednesday at 0715 (2115Z)	**Block**	☐	☐	☐	This is testing whether an app with an ERSA / NAIPS data subscription identifies active airport towers.
	[CEX0030]	**Lat, long:** 36°01'14.2"S 146°58'33.2"E or -36.020600 146.975900	**Block**	☐	☐	☐	
	[ReOC0025]	In vicinity of **Address:** 16 Coorara Ct, Mount Coolum QLD 4573	**Advise**	☐	☐	☐	

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
5.20	[HBY0035]	The app provides the correct information for operations within the 3nm no-fly zone of a non-controlled aerodrome (outside tower hours) [ASD0025] & [ASD0030] Demonstrate what information each type of RPAS user is provided in the following location **outside** tower hours. **Location details** **Name:** YMAY – Albury Airport - TWR HRS are 2300-1030Z (0900-2030 AEST) **Date/time:** Next Sunday at 0830 (2230Z)	**Advise**	☐	☐	☐	This is testing whether an app with an ERSA / NAIPS data subscription identifies airport towers as inactive.
	[CEX0030]	**Lat, long:** 36°01'14.2"S 146°58'33.2"E or -36.020600 146.975900	**Advise**	☐	☐	☐	
	[ReOC0025]	In vicinity of **Address:** 16 Coorara Ct, Mount Coolum QLD 4573	**Advise**	☐	☐	☐	

Test 6 – Non-controlled aerodromes and helicopter landing sites/approach and departure paths

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
6.1	[HBY0035]	The app provides the correct information for operations within the 3nm no-fly zone of a non-controlled aerodrome with threshold points provided [ASD0030] & [ASD0035] Demonstrate what information each type of RPAS user is provided in the following location. **Location details** **Name:** YSHL – Shellharbour Airport **Date/Time:** Next Wednesday at 1300	**Advise**	☐	☐	☐	
	[CEX0035]	**Lat, long:** 34°34'34.0"S 150°45'31.3"E or -34.576100 150.758700	**Advise**	☐	☐	☐	
	[ReOC0030]	In vicinity of **Address:** 23 Terragong St, Tullimbar NSW 2527	**Advise**	☐	☐	☐	

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
6.2	[HBY0035]	The app provides the correct information for operations within the 3nm no-fly zone of a non-controlled aerodrome without threshold points provided [ASD0030] & [ASD0035] Demonstrate what information each type of RPAS user is provided in the following location. **Location details** **Name:** YKTN – Kyneton Airport **Date/Time:** Next Wednesday at 1300	**Advise**	☐	☐	☐	
	[CEX0035]	**Lat, long:** 37°13'24.2"S 144°24'39.6"E or -37.223400 144.411000	**Advise**	☐	☐	☐	
	[ReOC0030]	In vicinity of **Address:** 239 Sebastopol Rd, Kyneton VIC 3444	**Advise**	☐	☐	☐	

If non-controlled aerodromes have approach and departure paths generated complete test 6.3
CASA recommends software developers provide the approach and departure path no-fly zones of all aerodromes which have their runway threshold points included in Airservices Australia Product Group A, Dataset 6. However, it is not a strict requirement for approach and departure paths to be displayed for non-controlled aerodromes.

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
6.3	[HBY0035]	The app provides the correct information for operations within the approach and departure path no-fly zone of a non-controlled certified aerodrome [ASD0030] & [ASD0035] (optional) Demonstrate what information each type of RPAS user is provided in the following location. **Location details** **Name:** YSHL – Shellharbour Airport **Date/Time:** Next Wednesday at 1300	**Advise (See notes)**	☐	☐	☐	
	[CEX0035]	**Lat, long:** 34°33'50.4"S 150°44'50.6"E or -34.564000 150.747400	**Advise (See notes)**	☐	☐	☐	
	[ReOC0030]	In vicinity of **Address:** 42 Flannery Dr, Calderwood NSW 2527	**Advise (See notes)**	☐	☐	☐	

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
6.4	[HBY0036]	The app identifies the 0.75nm no-fly zone boundary of a HLS [ASD0025] & [ASD0030] **Location details** **Name:** Jack Mann Oval HLS (YJMO) No-fly Zone **Lat, long:** 31°52'48.0"S 116°00'31.3"E or -31.880000 116.008700 In vicinity of **Address:** 121 Great Northern Hwy, Midland WA 6056	**Advise** - Location is inside the 0.75nm no-fly zone boundary.	☐	☐	☐	These tests assesses the no-fly zone boundary edge of the 0.75nm HLS no-fly zone.
6.5	[HBY0036]	The app identifies the 0.75nm no-fly zone boundary of a HLS [ASD0025] & [ASD0030] **Location details** **Name:** Jack Mann Oval HLS (YJMO) No-fly Zone **Lat, long:** 31°52'48.7"S 116°00'31.0"E or -31.880200 116.008600 In vicinity of **Address:** 119 Great Northern Hwy, Midland WA 6056	**None** - Location is outside the 0.75nm no-fly zone boundary.	☐	☐	☐	

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
6.6	[HBY0036]	<u>The app provides the correct information for operations near an HLS</u> [ASD0030] & [ASD0035] Demonstrate what information each type of RPAS user is provided in the following location. **Location details** **Name:** Jack Mann Oval HLS (YJMO) No-fly Zone	**Advise**	☐	☐	☐	
	[CEX0036]	**Lat, long:** 31°52'14.2"S 116°00'49.3"E or -31.870600 116.013700	**Advise**	☐	☐	☐	
	[ReOC0031]	In vicinity of **Address:** 27 Viveash Rd, Middle Swan WA 6056	**Advise**	☐	☐	☐	

Test 7 – CASA advisories

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
7.1	[HBY0070]	The app provides the correct information for operations within an advisory location [ASD0050] Demonstrate what information each type of RPAS user is provided in the following location. **Location details** Advisory **Name:** Test Scenario 7.1	**Block**	☐	☐	☐	This test ensures the advisory is only displayed to the correct users. Expected output of ReOC is nothing displayed, not a message displaying “None”.
	[CEX0070]	**Lat, long:** 35°17'56.8"S 149°04'10.2"E or -35.299100 149.069500	**Advise**	☐	☐	☐	
	[ReOC0045]	In vicinity of **Address:** National Zoo & Aquarium, ACT	**None** **(See notes)**	☐	☐	☐	

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
7.2	[HBY0070]	The app provides the correct information for operations within an advisory location [ASD0050] Demonstrate what information each type of RPAS user is provided in the following location. **Location details** Advisory **Name:** Test Scenario 7.2	**None** **(See notes)**	☐	☐	☐	This test ensures the advisory is only displayed to the correct users. Expected output of Rec/Exc is nothing displayed, not a message displaying “None”.
	[CEX0070]	**Lat, long:** 35°17'36.2"S 149°07'15.6"E or -35.293400 149.121000	**None** **(See notes)**	☐	☐	☐	
	[ReOC0045]	In vicinity of **Address:** National Museum of Australia, ACT	**Advise**	☐	☐	☐	

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
7.3	[HBY0070]	The app provides the correct information for operations within an advisory location [ASD0050] Demonstrate what information each type of RPAS user is provided in the following location. **Location details** Advisory **Name:** Test Scenario 7.3A & Test Scenario 7.3B	**Block -** 7.3B	☐	☐	☐	This test ensures that where 2 advisories exist in the same location, the correct information is displayed to each user.
	[CEX0070]	**Lat, long:** 35°20'28.0"S 149°01'39.0"E or -35.341100 149.027500	**Advise -** 7.3B	☐	☐	☐	
	[ReOC0045]	In vicinity of **Address:** Bus Stop 22 Eucumbene Dr, Duffy ACT 2611	**Advise -** 7.3A	☐	☐	☐	

Test 8 – REMOVED

Test 9 – Fire hazards and incidents

Test	Operating Rule	Test Scenario	Expected Output	Result		
		Select incident from AD0005. See Attachment E of the RPAS Platform Operating Rules document for each data feed.		**Pass**	**Fail**	**N/A**
9.1	[HBY0015]	**ACT**	**Block**	☒	☒	☐
	[CEX0015]		**Block**	☐	☐	☐
	[ReOC0010]		**Advise**	☐	☐	☐
9.2	[HBY0015]	**NSW**	**Block**	☐	☐	☐
	[CEX0015]		**Block**	☐	☐	☐
	[ReOC0010]		**Advise**	☐	☐	☐
9.3	[HBY0015]	**VIC**	**Block**	☐	☐	☐
	[CEX0015]		**Block**	☐	☐	☐
	[ReOC0010]		**Advise**	☐	☐	☐
9.4	[HBY0015]	**TAS**	**Block**	☐	☐	☐
	[CEX0015]		**Block**	☐	☐	☐
	[ReOC0010]		**Advise**	☐	☐	☐

Test	Operating Rule	Test Scenario	Expected Output	Result		
				Pass	Fail	N/A
9.5	[HBY0015]	**SA**	**Block**	☐	☐	☐
	[CEX0015]		**Block**	☐	☐	☐
	[ReOC0010]		**Advise**	☐	☐	☐
9.6	[HBY0015]	**WA**	**Block**	☐	☐	☐
	[CEX0015]		**Block**	☐	☐	☐
	[ReOC0010]		**Advise**	☐	☐	☐
9.7	[HBY0015]	**QLD**	**Block**	☐	☐	☐
	[CEX0015]		**Block**	☐	☐	☐
	[ReOC0010]		**Advise**	☐	☐	☐
9.8	[HBY0015]	**NT**	**Block**	☐	☐	☐
	[CEX0015]		**Block**	☐	☐	☐
	[ReOC0010]		**Advise**	☐	☐	☐

Test 10 – Electricity transmission lines

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
10.1	[HBY0045]	The app provides the correct information for operations near electricity transmission lines [AD0010] Demonstrate what information each type of RPAS user is provided in a location near electricity transmission lines. **Location details** **Name:** Belconnen Golf Course, hole 2, SW of the green.	**Advise**	☐	☐	☐	
	[CEX0045]	**Lat, long:** 35°13'23.5"S 148°59'56.0"E or -35.223200 148.998900	**Advise**	☐	☐	☐	
	[ReOC0055]	**Address:** Belconnen Golf Course, Holt ACT 2615	**Advise**	☐	☐	☐	

Test 11 – Marine parks

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
11.1	[HBY0075]	The app provides the correct information for operations within a marine park [AD0015] Demonstrate what information each type of RPAS user is provided in the following location. **Location details** **Name:** Apollo Commonwealth Marine Reserve	**Block**	☐	☐	☐	
	[CEX0075]	**Lat, long:** 38°56’19.95”S 143°31’55.06”E or -38.938800, 143.531900	**Block**	☐	☐	☐	
	[ReOC0035]	**Address:** 40km South of Cape Otway, Victoria 3233	**Advise**	☐	☐	☐	

Test 12 – CASA notifications [AD0020]

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	
12.1	[UAA0030]	Current notifications are visible to ReOC users of the app [AD0020] **Notification:** Test Scenario 12.1 & 12.2 Expected outcome, software developer to demonstrate an active notification for an ReOC user.	Notification visible "CASA Example **ReOC** Notification**.**"	☐	☐	☐	**Failed response "Too Early", "Too Late"**
12.2	[UAA0030]	Current notification are not visible to Recreational or Commercial Excluded users of the app [AD0020] **Notification:** Test Scenario 12.1 & 12.2 Expected outcome, software developer to demonstrate no active notifications for Recreational or Commercial Excluded users.	**Notification is not visible**				**Failed response "Too Early", "Too Late"**
12.3	[UAA0030]	Expired and Future-dated notifications are not visible to users of the app [AD0020] **Notification:** Test Scenario 12.3A & 12.3B Expected outcome, software developer to demonstrate expired and future-dated notifications are not visible.	**Notification is not visible**	☐	☐	☐	

Other requirements tests

Test 13 – Flying over 120 metres (400 feet) AGL

Applicable if operating height is selectable

Operating Rule	Test Scenario	Expected Output	Result			Notes
			Pass	Fail	N/A	
[HBY0005]	<u>The app provides the correct information for operations above 400ft AGL</u> Demonstrate what information each type of RPAS user is provided in the following location at the specified operating heigh above ground level. **Location details** **Name:** Tatura Racecourse **Height of operation:** 450 feet AGL	**Block**	☒	☐	☐	
[CEX0005]	**Lat, long:** 36°27'05.4"S 145°13'39.4"E or -36.451500, 145.227600	**Block**	☐	☐	☐	
[ReOC0005]	**Address:** Tatura Racecourse and Recreation Reserve, Tatura VIC 3616	**Advise**	☐	☐	☐	

Test 14 – Flying outside daylight hours

Operating Rule	Test Scenario	Expected Output	Result			Notes
			Pass	Fail	N/A	
[HBY0005]	The app provides the correct information for operations outside daylight hours Demonstrate what information each type of RPAS user is provided in the following location. **Location details** **Name:** Tatura Racecourse **Date/time of operation:** Tomorrow at 0200 local (or before known sunrise)	**Block**	☐	☐	☐	
[CEX0050]	**Lat, long:** 36°27'05.4"S 145°13'39.4"E or -36.451500, 145.227600	**Block**	☐	☐	☐	
[ReOC0015]	**Address:** Tatura Racecourse And Recreation Reserve, Tatura VIC 3616.	**Advise**	☐	☐	☐	

Airspace authorisations tests

Test 15 – Area wholly within GCD

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	

Test Scenario - Submission of an authorisation request in an area wholly within the GCD

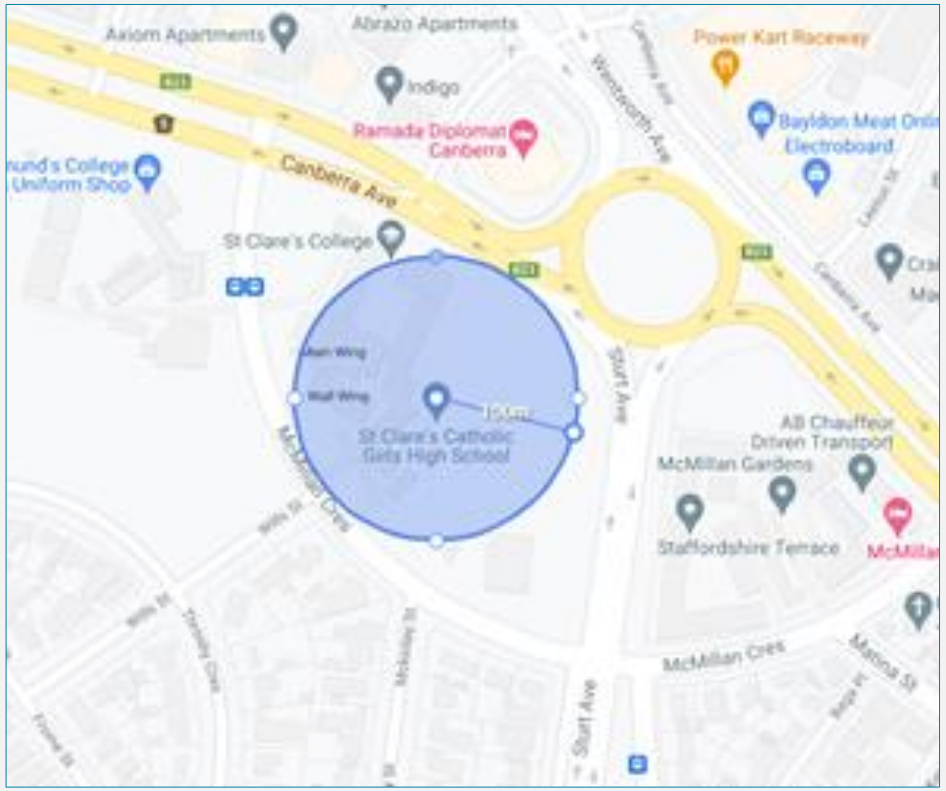
Operation details

Area of operation: Polygon covering the area that is a 100 m radius **from the specified point**

Lat, long:
35°19'26.8"S 149°08'51.4"E or
-35.324100 149.147600

Address: St Clare's College, 1 McMillan Cres, Griffith ACT 2603

- Height of operation: 40 ft AGL
- Date/time of operation: **15** minutes from now
- Duration of operation: 3 hours
- RPAS Category: Multi-rotor
- Operating flight Profile: Manual
- Operator number (ReOC): 9798
- Licence (ARN): 9981234
- Phone: 0412345678
- RPA serial number: 7834JHG9999123



Test	Operating Rule	Test Scenario	Result			Notes
			Pass	Fail	N/A	
15.1	[AA0005] [AA0055] [ASD0060]	<u>The correct content is submitted to the RPAS Platform</u> Expected outcome, the RPAS Platform has received the authorisation request. **CASA will check the request has been received and accepted in the RPAS platform staging interface.** Ensure the authorisation is issued under GCD 5.2 and not under GCD 5.1.	☐	☐	☐	The authorisation submission will not cover the SE building if it is issued under GCD 5.1.
15.2	[AA0051]	<u>Required authorisation information is displayed to the user</u> Expected outcome, after the request has been successfully submitted to the RPAS Platform, the software provides the correct authorisation text information to the user. **CASA will check the authorisation text includes the following information and that the information is correct:** • Airspace authorisation ID [id] – **As reported by the RPAS platform staging interface** • ReOC number [operator_number] – **9798** • Date issued [create_date/time] – **Date/time of test**	☐	☐	☐	
15.3	[AA0051]	<u>RPAS information is displayed to the user</u> Expected outcome, after the request has been successfully submitted to the RPAS Platform, the software provides the correct RPA information to the user. **CASA will check the authorisation text includes the following information:**	☐	☐	☐	

Test	Operating Rule	Test Scenario	Result			Notes
			Pass	Fail	N/A	
		• remotely piloted aircraft [uas_serial_number] – **7834JHG9999123**				

Test	Operating Rule	Test Scenario	Result			Notes
			Pass	Fail	N/A	
15.4	[AA0051]	<u>Operation information is displayed to the user</u> Expected outcome, after the request has been successfully submitted to the RPAS Platform, the software provides the correct operation information to the user. **Included in the operation information should be the following information:** • Operation start date [start_time – displayed as the start date in local time] • Operation start time [start_time – displayed as the start time in local time] • Operation end time [start_time + duration – displayed as the end time in local time]. **As reported by the RPAS platform staging interface**	☐	☐	☐	

Test	Operating Rule	Test Scenario	Result			Notes
			Pass	Fail	N/A	
15.5	[AA0030]	Authorisation 'closed' Expected outcome, after the operation has commenced the authorisation is closed before the operation end time. **CASA must confirm in the RPAS platform staging interface that the operation has been closed which will display as "Completed".**	☐	☐	☐	

Resubmit the Test Scenario - Submission of an authorisation request in an area wholly within the GCD.

Test	Operating Rule	Test Scenario	Result			Notes
			Pass	Fail	N/A	
15.6	[AA0025]	Application can be used to cancel issued airspace authorisations when they are no longer required Expected output, before the operation has commenced the authorisation is cancelled. **CASA must check in RPAS platform staging interface and confirm that the operation has been cancelled.**	☐	☐	☐	

Resubmit the Test Scenario - Submission of an authorisation request in an area wholly within the GCD.

After the request is submitted, CASA must raise an advisory in the RPAS platform staging interface which overlaps the operation area and date/time. Use the following published advisory and modify the effective date and time to conflict with the authorisation.
Advisory Area: Checkout Test Advisory 8/11
Advisory title: Test Scenario 15.7

Test	Operating Rule	Test Scenario	Result			Notes
			Pass	Fail	N/A	
15.7	[AA0045] [AA0055] [ReOC0045]	Application cancels issued airspace authorisation when no longer valid Expected output, the authorisation is cancelled. **CASA must check in RPAS platform staging interface and confirm that the operation has been cancelled. This can take up to 15 minutes of the advisory being raised.**	☐	☐	☐	In the event that an authorisation is no longer valid, such as when an advisory is raised in the same area, the software application will cancel the authorisation.

Test 16 – Area partly falls outside GCD

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	

If no GCD is valid for 29 days in the future, use the latest date possible.

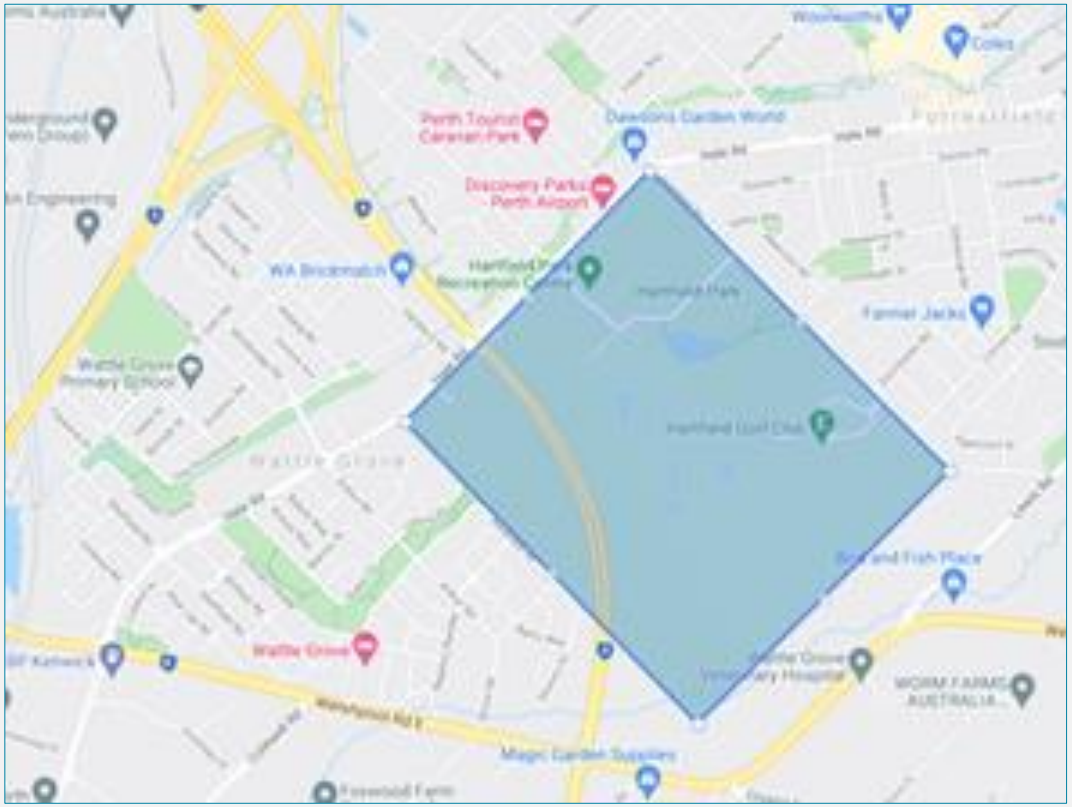
Test Scenario - Submission of an authorisation request

Operation details
Area of operation: **Polygon covering the area that is a r**ectangle **(1.2km x 1.4km)** in the location below

Lat, long:
31°59'53.9"S 116°00'00.4"E or
-31.998300 116.000100

Address: Hartfield Park – Forrestfield, WA

- Height of operation: **250** ft AGL across entire area
- Date/time of operation: 29 days from today's date
- Duration of operation: 60 minutes
- RPAS Category: Multi-rotor
- Operating flight Profile: Manual
- Operator number (ReOC): 9798
- Licence (ARN): 9981234
- Phone: 0412345678
- RPA serial number: 7834JHG9999123



Test	Operating Rule	Test Scenario	Result			Notes
			Pass	Fail	N/A	
16.1	[AA0015] [AA0055]	Submission of an authorisation request **Expected output is either:** • 'not authorised/Block' or • 'Authorised', if the area is automatically altered to not include the portion outside the GCD. **If the output is** Authorised, **CASA must check the RPAS platform staging interface to confirm that only the portion of the operation that falls within the GCD area has been submitted.**	☐	☐	☐	

Test 17 – Area falls within approach and departure path

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	

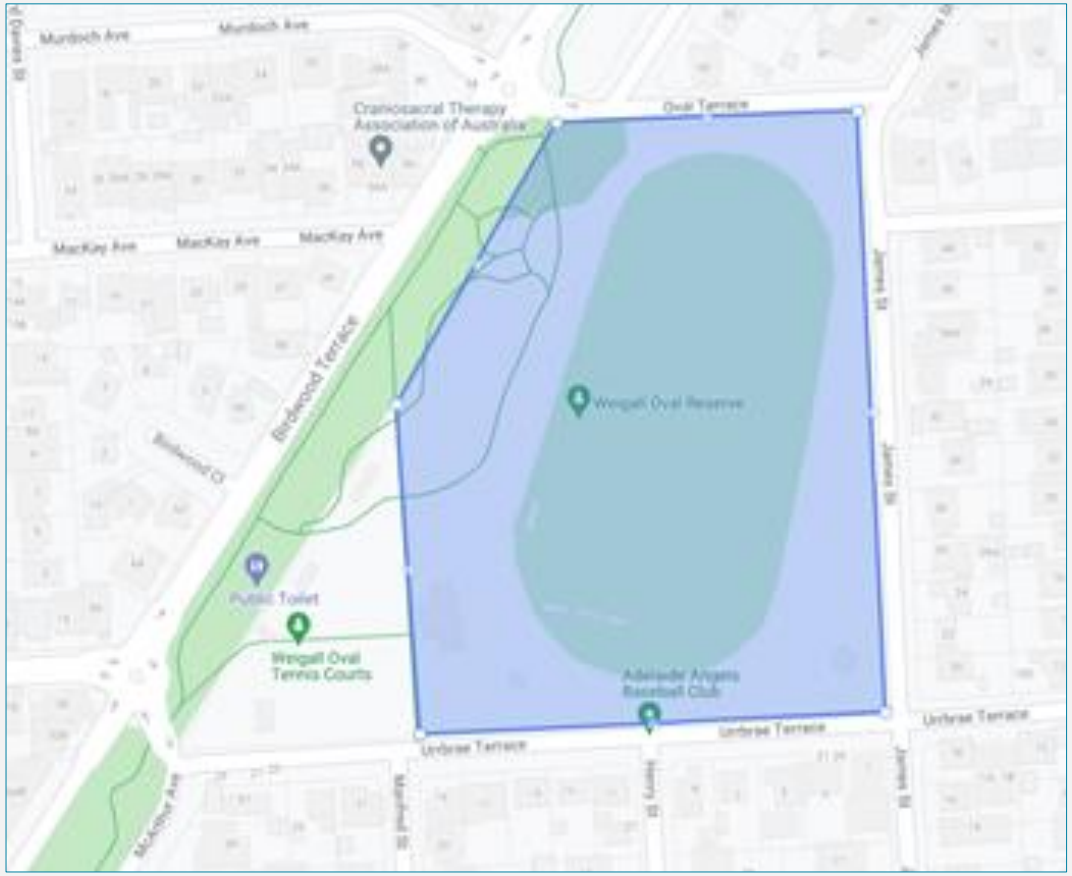
Test Scenario - Submission of an authorisation request

Operation details
Area of operation: Polygon **covering Weigall Oval Reserve between Birdwood Terrace, Oval Terrace, James Street and Urrbrea Terrace.**

Lat, long:
34°57'19.4"S 138°33'34.2"E or
-34.955400 138.559500

Address: Weigall Oval Reserve

- Height of operation: 100 ft AGL
- Date/time of operation: 60 minutes from now
- Duration of operation: 60 minutes
- RPAS Category: Fixed-wing
- Operating flight Profile: Grid
- Operator number (ReOC): 9798
- Licence (ARN): 9981234
- Phone: 0412345678
- RPA serial number: 7834JHG9999128



Test	Operating Rule	Test Scenario	Result			Notes
			Pass	Fail	N/A	
17.1	[AA0055] [AA0056] [ReOC0026]	<u>Submission of an authorisation request</u> **Expected output is either:** • 'not approved/Block' or • 'Approved' if the area is automatically altered to not be within the approach and departure paths **If the output is** Authorised, **CASA must check the RPAS platform staging interface to confirm that only the portion of the operation that falls outside the approach and departure path has been submitted. See picture in notes, the blue area can be authorised.**	☐	☐	☐	

Test 18 – Operation falls outside allowed time parameters

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	

Test Scenario - Submission of an authorisation request for an authorisation more than 30 days in the future

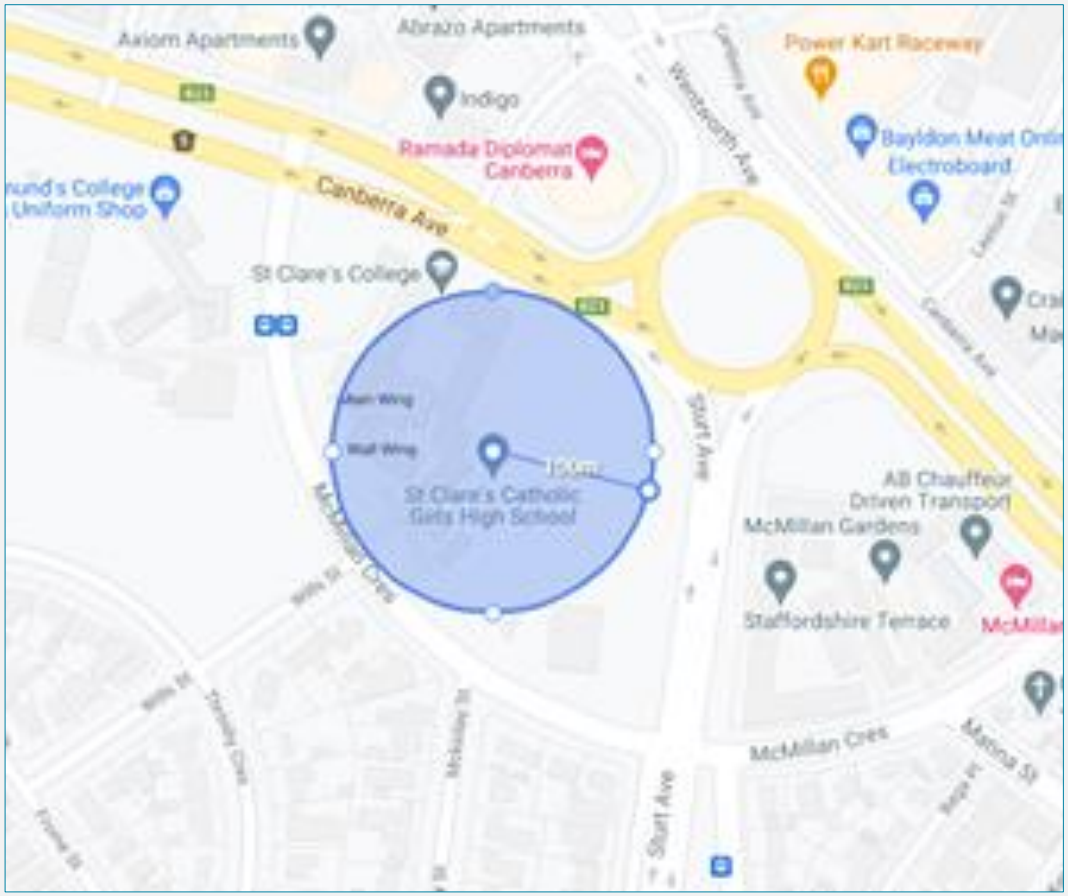
Operation details

Area of operation: Polygon covering the area that is a 100 m radius from the specified point

Lat, long:
35°19'26.8"S 149°08'51.4"E or
-35.324100 149.147600

Address:
St Clare's College, 1 McMillan Cres, Griffith ACT 2603

- Height of operation: 40 ft AGL
- Date/time of operation: See tests below
- Duration of operation: 2 hours (or as specified in test)
- RPAS Category: Multi-rotor
- Operating flight Profile: Manual
- Operator number (ReOC): 9798
- Licence (ARN): 9981234
- Phone: 0412345678
- RPA serial number: 7834JHG9999123



Test	Operating Rule	Test Scenario	Result			Notes
			Pass	Fail	N/A	
18.1	[AA0055] [AA0060]	User cannot submit a request for an authorisation over 30 days in the future **Date/time of operation:** 31+ days from now **Expected outcome:** • 'not authorised/Block'	☐	☐	☐	
18.2	[AA0060]	User cannot submit a request for an authorisation in the past **Date/time of operation:** Yesterday **Expected outcome:** • 'not authorised/Block'	☐	☐	☐	
18.3	[AA0065]	User cannot submit a request for an authorisation outside daylight hours **Date/time of operation:** 60 minutes from now **Duration of operation:** 18 hours **Expected outcome:** • 'not authorised/Block'	☐	☐	☐	

Test 19 – Authorisation above GCD cell ceiling (R405)

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	

Test Scenario - Submission of an authorisation request in R405

Operation details

Area of operation: Polygon covering the area that is a 200 m radius from the specified point

Lat, long:
33°49'38.2"S 151°16'05.8"E or
-33.8272**00** 151.2682**00**

Address: Balmoral, Mosman NSW 2088

- Height of operation: 300ft AGL
- Date/time of operation: 60 minutes from now
- Duration of operation: 60 minutes
- RPAS Category: Multi-rotor
- Operating flight Profile: Grid
- Operator number (ReOC): 9798
- Licence (ARN): 9981234
- Phone: 0412345678
- RPA serial number: 7834JHG9999128

Test	Operating Rule	Test Scenario	Result			Notes
			Pass	Fail	N/A	
19.1	[AA0055]	Submission of an authorisation request Expected output is either: • 'not approved/Block' or • 'Approved' if the maximum operating height is automatically reduced to 200ft AGL **If the output is** Authorised, **CASA must check the issued authorisation identifies the maximum operating height of 200ft AGL.**	☐	☐	☐	

Test 20 – Area falls within an existing advisory (R405)

Test	Operating Rule	Test Scenario	Expected Output	Result			Notes
				Pass	Fail	N/A	

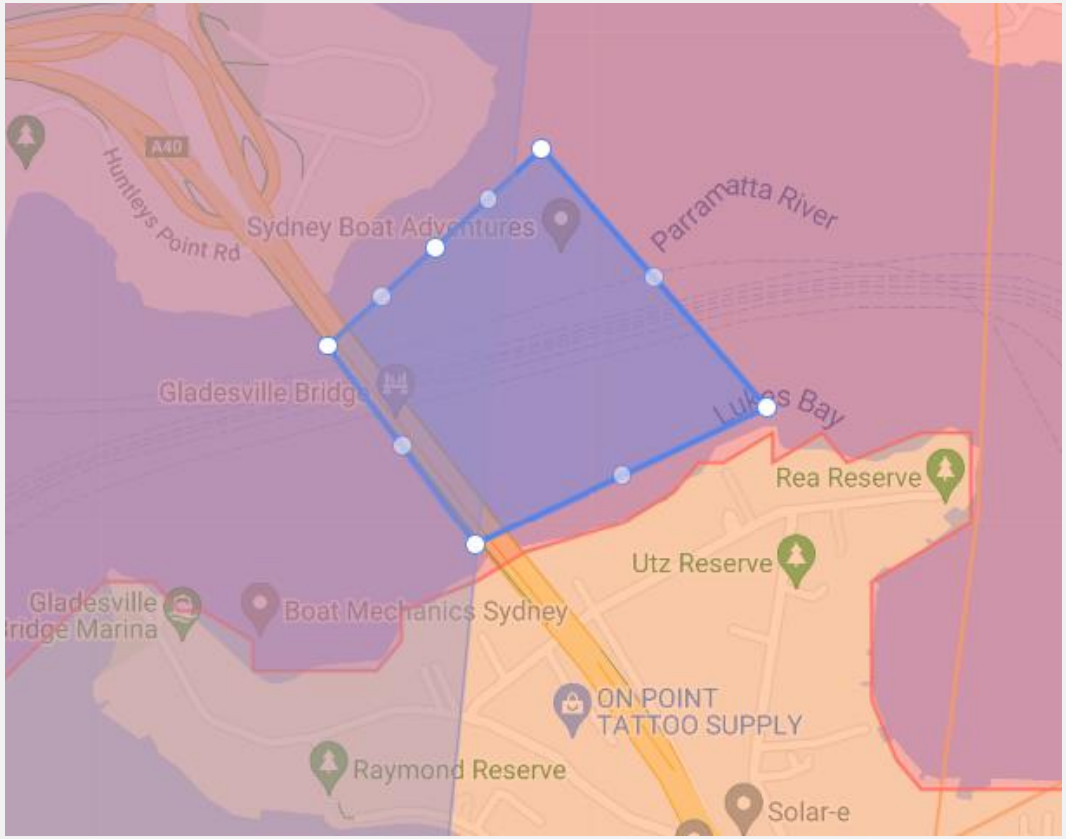
Test Scenario - Submission of an authorisation request

Operation details
Area of operation: Polygon **covering an area over Gladesville Bridge and the water 75m North East of the bridge**

Lat, long:
33°50'30.8"S 151°08'52.8"E or
-33.841900, 151.148000

Address: Victoria Rd, Huntleys Point NSW 2111

- Height of operation: 200 ft AGL
- Date/time of operation: 60 minutes from now
- Duration of operation: 60 minutes
- RPAS Category: Multi-rotor
- Operating flight Profile: Grid
- Operator number (ReOC): 9798
- Licence (ARN): 9981234
- Phone: 0412345678
- RPA serial number: 7834JHG9999128



Test	Operating Rule	Test Scenario	Result			Notes
			Pass	Fail	N/A	
20.1	[AA0055] [ReOC0045]	Submission of an authorisation request **Expected output is either:** • 'not approved/Block' or • 'Approved' if the area is automatically altered to not be within the advisory area **If the output is** Authorised, **CASA must check the RPAS platform staging interface to confirm that only the portion of the operation that falls outside the advisory area has been submitted.**	☐	☐	☐	

Test 21 – Simulated airspace authorisations (optional)

Test	Operating Rule	Test Scenario	Result			Notes
			Pass	Fail	N/A	
21.1	[AA0006]	User can submit an authorisation for a Simulated operation Software completes a request for a simulated flight with status “Simulated – Show on Interface”. **Expected outcome, the RPAS Platform has received the authorisation request for a simulated flight.** **CASA must check in RPAS platform staging interface to confirm.**	☐	☐	☐	
21.2	[AA0006]	User can submit an authorisation for a Simulated operation Software completes a request for a simulated flight with status “Simulated – Do Not Show on Interface” is submitted. Expected outcome, the RPAS Platform has not recorded the authorisation request for a simulated flight. **CASA must check in RPAS platform staging interface to confirm.**	☐	☐	☐	