Australian Government
Civil Aviation Safety Authority

# RPAS Platform

## Example Test Procedure

Version 2.5

# Revision history

Revisions to this manual are recorded below in order of most recent first.

| Version no. | Date | Parts / sections | Details |
|---|---|---|---|
| 1.0 | November 2019 | All | Initial release |
| 2.0 | October 2020 | | Addition of airspace authorisations tests |
| 2.1 | September 2021 | | Updated emergency services data feeds<br>Addition of optional airspace authorisations simulation flights |
| 2.5 | August 2022 | All | Tests numbered for easy referencing<br>Amended question formatting, descriptions and locations<br>New tests added for no-fly zones |

# Related Documents

| Document type | Available At |
|---|---|
| **The rules**<br>Civil Aviation Safety Regulations 1998 (CASR) Part 101 – Unmanned aircraft and rockets<br>Part 101 (Unmanned Aircraft and Rockets) Manual of Standards 2019<br>CASA 22/22 – Operation of Certain Unmanned Aircraft Directions 2020 | https://www.casa.gov.au/drones/documents-and-forms |
| **RPAS Platform onboarding documents**<br>RPAS Platform Concept of Operations v2.0<br>RPAS Platform Operating Rules v2.5b<br>RPAS Platform Terms and Conditions<br>RPAS Platform Application Form | https://www.casa.gov.au/drones/industry-initiatives/digital-platform |

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# Introduction

## Purpose

The purpose of this document is to provide an example of the test activities that will be completed during the onboarding check-out against the criteria a compliant software application must achieve.

These test activities correlate the operating rules to onboarding test activities designed to verify that an application meets the CASA RPAS Platform Operating Rules to become an approved provider. This version of the example test procedure aligns with Version 2.5b of the *RPAS Platform Operating Rules* document.

This document should also be read in conjunction with the *RPAS Platform Concept of Operations* document.

## Overview

CASA (or a third-party) will conduct the testing.

This testing will occur against casa-staging.rpasplatform.net. Production credentials will be provided only after the application is approved.

Each application platform (eg. web-based and mobile app/s) will need to go through a separate onboarding test process.

Software providers will have (up to) two attempts to complete the onboarding tests. If an application fails both attempts, the software provider will not be able to proceed in that onboarding round.

## Prefixes

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

This document uses the following prefixes:

- 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

| | | | |
|---|---|---|---|
| App Name | | Date/Time of Check-out | |
| Software Provider | | Check-out Location | |
| Software Provider Representatives | | CASA/Test Representatives | |
| App Tested On (eg. iOS) | | Tested Functions | ☐ Required content<br>☐ Authoritative data<br>☐ Airspace Authorisations |

**Test Notes Summary**:

**Test Outcome:**

☐ **Pass** – This App is verified for connection to the CASA RPAS Platform Production Environment to provide the tested functions

☐ **Fail** – This App is not verified for connection to the CASA RPAS Platform Production Environment to provide the tested functions

☐ **Further Testing Required** – The following items need to be re-tested:

Signatures Approving Test Event and Documented Outcomes

Software Provider:_____ CASA: _____

# Required Content Tests

## Test 1 Privacy Policy [UAA0015]

| Test | Operating Rule | Test Scenario | Result | | | | Notes |
|---|---|---|---|---|---|---|---|
| | | | Pass | Fail | N/A | See Notes | |
| 1.1 | [UAA0015] | There is a privacy policy which is available or linked to from within the App.<br>Expected outcome, privacy policy is displayed. | | | | | |
| 1.2 | [UAA0015] | The privacy policy meets the Australian Privacy Principles (APPs).<br>Expected outcome, the Software Provider attests the privacy policy meets the standards, rights and obligations under the APPs. | | | | | |

## Test 2 Disclaimer [UAA0020]

| Test | Operating Rule | Test Scenario | Result | | | | Notes |
|---|---|---|---|---|---|---|---|
| | | | Pass | Fail | N/A | See Notes | |
| 2.1 | [UAA0020] | The App includes the CASA Disclaimer.<br>Expected outcome, CASA Disclaimer is displayed to users and the Terms of Service includes the required statement. | | | | | |

### Test 3 Reporting Unsafe Drone Operations [UAA0040]

| Test | Operating Rule | Test Scenario | Result | | | | Notes |
|---|---|---|---|---|---|---|---|
| | | | Pass | Fail | N/A | See Notes | |
| 3.1 | [UAA0040] | The App includes a link to CASA's *Report Unsafe Drone Operations* webpage<br>Expected outcome, the link is displayed in the App and demonstrated to be functioning. | | | | | |

## Authoritative Data Tests

### Test 4 Restricted Airspace [ASD0005]

| Test | Operating Rule | Test Scenario | Expected Output | Result | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | Notes |
| 4.1 | [ASD0005] | The App uses the authoritative source and complies with the minimum refresh rate for the relevant data<br>Expected outcome, Software Developer describes the source of data and attests to the Apps frequency of update. | | | | | | |
| **Without NAIPS and ERSA**<br>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 | See Notes | |
| 4.2 | [HBY0010] | <u>The App identifies restricted areas</u><br>Software developer to demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: R504 ORCHARD HILLS - RA3 – SFC-FL030 / JO 2300-0600UTC (0900-1600 AEST) (-1 HDS) or as amended by NOTAM<br>Lat,Long:<br>33°48'16.35"S 150°43'52.78"E or<br>-33.804542, 150.731327<br>Address Search: 66A Wentworth Rd, Orchard Hills NSW 2748 | **Block** | | | | | |
| | [CEX0010] | | **Block** | | | | | |
| | [ReOC0020] | | **Advise** | | | | | |

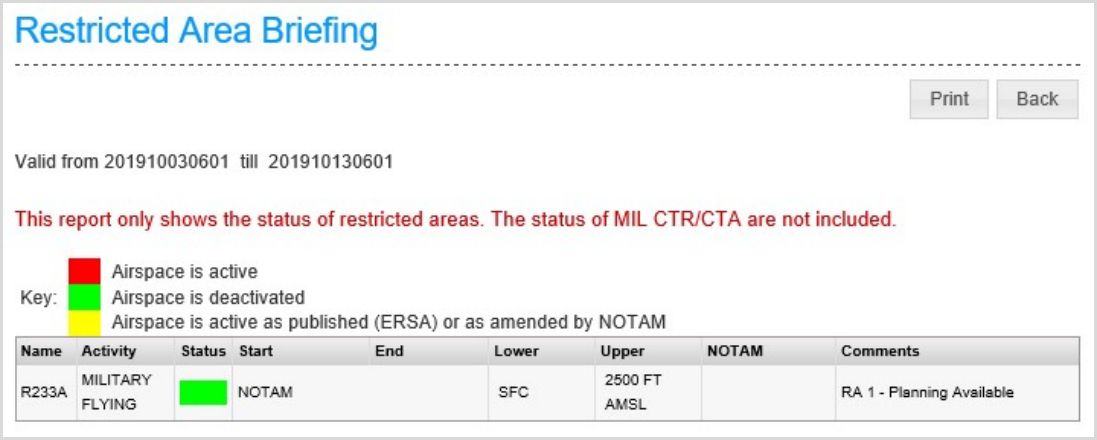
| Test | Operating Rule | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 4.3 | [HBY0010] | The App identifies restricted areas<br>Software developer to demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: R233A EDINBURGH - RA1 – SFC-2500 / NOTAM<br>Lat,Long:<br>34°32'56.07"S 138°47'44.92"E or<br>-34.548909, 138.795812<br>Address Search: Kingsford South Australia 5118 | **Advise** | | | | | |
| | [CEX0010] | | **Advise** | | | | | |
| | [ReOC0020] | | **Advise** | | | | | |
| 4.4 | [HBY0010] | The App identifies restricted areas<br>Software developer to demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: R153C PEARCE - RA2 – SFC-4500 / NOTAM<br>Lat,Long:<br>31°33'25.36"S 116°11'43.04"E or<br>-31.557045, 116.195288<br>Address Search: Moondyne Western Australia 6567 | **Advise** | | | | | |
| | [CEX0010] | | **Advise** | | | | | |
| | [ReOC0020] | | **Advise** | | | | | |

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

**With NAIPS and ERSA data subscription**

For the following tests, the expected output must be determined at the time of the assessment by checking the NAIPS restricted area briefing. The expected outputs should be as follows:

- If airspace is ACTIVE:
  - For Rec [HBY0010] and Exc [CEX0010] = 'Block'
  - For ReOC [ReOC0020] = 'Advise'
- If airspace is DEACTIVATED:
  - For Rec [HBY0010], Exc [CEX0010] and ReOC [ReOC0020] = N/A



Restricted Area Briefing

Print Back

Valid from 201910030601 till 201910130601

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 |
|---|---|---|---|---|---|---|---|---|
| R233A | MILITARY FLYING | | NOTAM | | SFC | 2500 FT AMSL | | RA 1 - Planning Available |

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 | See Notes | |
| 4.5 | [HBY0010] | The App identifies restricted areas<br>Software developer to demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: R504 ORCHARD HILLS - RA3 – SFC-FL030 / JO 2300-0600 UTM (0900-1600 AEST) (-1HR HDS) or as amended by NOTAM<br>Lat,Long:<br>33°48'16.35"S 150°43'52.78"E or<br>-33.804542, 150.731327<br>Address Search: Orchard Hills NSW 2748 | | | | | | |
| | [CEX0010] | | | | | | | |
| | [ReOC0020] | | | | | | | |
| 4.6 | [HBY0010] | The App identifies restricted areas<br>Software developer to demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: R233A EDINBURGH - RA1 – SFC-2500 / NOTAM<br>Lat,Long:<br>34°32'56.07"S 138°47'44.92"E or<br>-34.548909, 138.795812<br>Address Search: Kingsford South Australia 5118 | | | | | | |
| | [CEX0010] | | | | | | | |
| | [ReOC0020] | | | | | | | |

| Test | Operating Rule | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 4.7 | [HBY0010] | <u>The App identifies restricted areas</u><br>Software developer to demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: R153C PEARCE - RA2 – SFC-4500 / NOTAM<br>Lat,Long:<br>31°33'25.36"S 116°11'43.04"E or<br>-31.557045, 116.195288<br>Address Search: Moondyne Western Australia 6567 | | | | | | |
| | [CEX0010] | | | | | | | |
| | [ReOC0020] | | | | | | | |

## Test 5 Temporary Restricted Airspace [ASD0010]

| Test | Operating Rule | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 5.1 | [ASD0010] | The App uses the authoritative source and complies with the minimum refresh rate for the relevant data<br>Expected outcome, Software Developer describes the source of data and attests to the Apps frequency of update. | | | | | | |
| **Without NAIPS data subscription** | | | | | | | | |
| TRAs are not available to Apps without NAIPS | | | | | | | | |
| **With NAIPS data subscription**<br>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: | | | | | | | | |
| 5.2 | [HBY010] | Not applicable – no current TRA<br>Software developer to demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: <TRA Name -TRA description><br>Lat,Long: <TRA Latitude/Longitude><br>Address Search: <TRA Address> | **Block** | | | | | |
| | [CEX0010] | | **Block** | | | | | |
| | [ReOC0020] | | **Block** | | | | | |

## Test 6 Temporary Prohibited Airspace [ASD0015]

| Test | Operating Rule | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 6.1 | [ASD0015] | The App uses the authoritative source and complies with the minimum refresh rate for the relevant data<br>Expected outcome, Software Developer describes the source of data and attests to the Apps frequency of update. | | | | | | |
| **Without NAIPS data subscription** | | | | | | | | |
| TPAs are not available to Apps without NAIPS | | | | | | | | |
| **With NAIPS data subscription**<br>For the following tests, check the YMMM and YBBB FIR NOTAMs in the NAIPS location briefing tool for "TEMPO PROHIBITED AREA". Update the expected output below: | | | | | | | | |
| 6.2 | [HBY010] | Not applicable – no current TPA<br>Software developer to demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: <TPA Name -TPA description><br>Lat,Long: <TPA Latitude/Longitude><br>Address Search: <TPA Address> | **Block** | | | | | |
| | [CEX0010] | | **Block** | | | | | |
| | [ReOC0020] | | **Block** | | | | | |

## Test 7 Danger Areas [ASD0020]

| Test | Operating Rule | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 7.1 | [ASD0020] | The App uses the authoritative source and complies with the minimum refresh rate for the relevant data<br>Expected outcome, Software Developer describes the source of data and attests to the Apps frequency of update. | | | | | | |
| **Without NAIPS data subscription**<br>For the following tests, the expected output is listed in the Expected Output column. | | | | | | | | |
| 7.2 | [HBY0040] | The App identifies danger areas<br>Software developer to demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: D316 CLIFTON BEACH – SFC-5000 / H24<br>Lat,Long:<br>42°59'21.81"S 147°31'20.86"E or<br>-42.989392, 147.522460<br>Address Search: Clifton Beach, TAS | **Advise** | | | | | |
| | [CEX0040] | | **Advise** | | | | | |
| | [ReOC0040] | | **Advise** | | | | | |
| **With NAIPS data subscription**<br>For the following tests, check NAIPS area briefings and update the expected output as follows:<br>• If area is ACTIVE:<br>○ Rec [HBY0010], Exc [CEX0010] and ReOC [ReOC0020] = 'Advise'<br>• If area is DEACTIVATED:<br>○ Rec [HBY0010], Exc [CEX0010] and ReOC [ReOC0020] = N/A | | | | | | | | |

| Test | Operating Rule | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 7.3 | [HBY0040] | The App identifies danger areas<br>Software developer to demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: D366 SKYDIVE NAGAMBIE – SFC-FL150 - HJ or as amended by NOTAM<br>Lat,Long:<br>36°47'58.32"S 145° 6'30.50"E or<br>-36.799533, 145.108473<br>Address Search:<br>394 Nook Rd, Nagambie VIC 3608, Australia | | | | | | |
| | [CEX0040] | | | | | | | |
| | [ReOC0040] | | | | | | | |
| 7.4 | [HBY0040] | The App identifies danger areas<br>Software developer to demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: D366 MORAN RESERVE – PARACHUTING – SFC – 2500 / HJ OT BY NOTAM<br>Lat,Long:<br>37°51'44.06"S 144°58'0.34"E or<br>-37.862238, 144.966761<br>Address Search:<br>7 Jacka Blvd, St Kilda VIC 3182 | | | | | | |
| | [CEX0040] | | | | | | | |
| | [ReOC0040] | | | | | | | |

## Test 8 Controlled Aerodromes [ASD0025] / Approach and Departure Paths [ASD0030]

| Test | Operating Rule(s) | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 8.1 | [ASD0025] [ASD0030] | The App uses the authoritative source and complies with the minimum refresh rate for the relevant data<br>Expected outcome, Software Developer describes the source of data and attests to the Apps frequency of update. | | | | | | |

**No-fly Zone Boundary tests**

To test that the 3nm boundary and the approach and departure paths are drawn correctly, two locations in close proximity to the boundary have been provided for each area. The total difference between the two points is 4 metres (the points themselves are more than 4m apart).

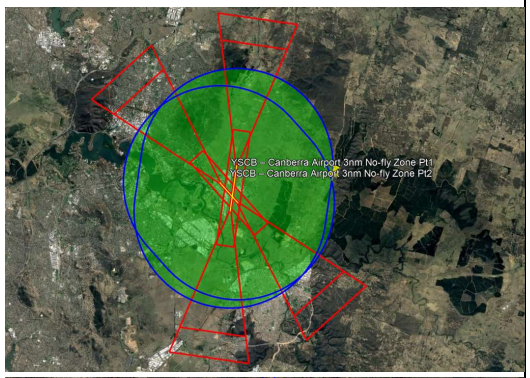
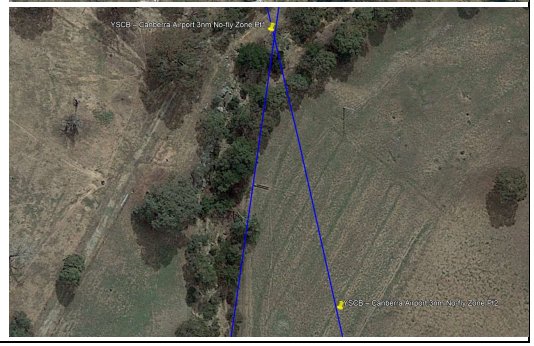
The following tests are broken down as follows:

Test 8.2 & 8.3 test whether multiple 3nm boundaries for the same aerodrome have been merged correctly. They should be overlayed without change to the areas covered.

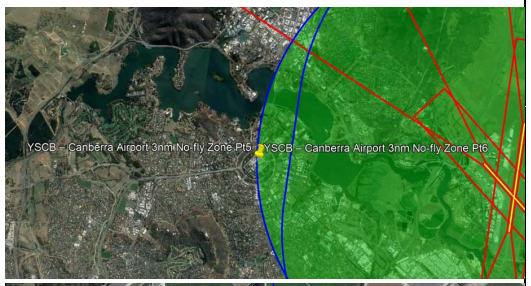
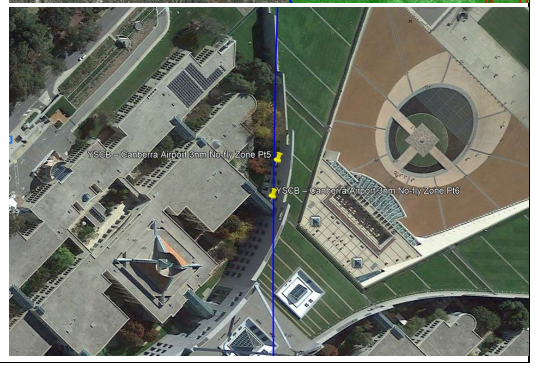
Test 8.3 to 8.7 check the 3nm boundary is correctly calculated and drawn. It should be drawn 3nm from the measurement point (*any point along the runway centreline*).

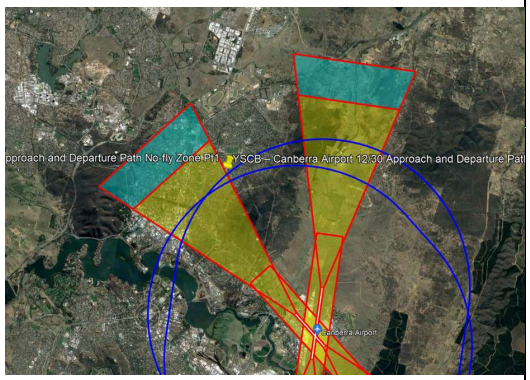
Test 8.9 to 8.17 check that the approach and departure paths is correctly calculated and drawn. It should be drawn in accordance with Attachment C of the RPAS Platform operating rules.

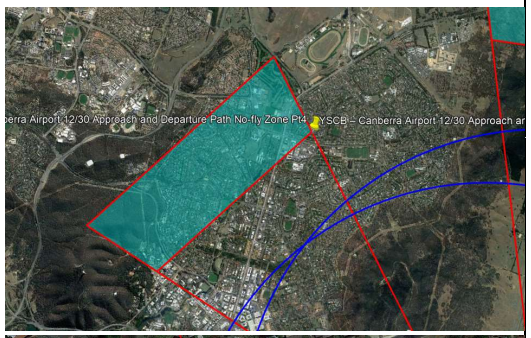
*The example locations below are provided in both Decimal Degrees to 4 decimal points, and Degrees Minute Seconds to 2 decimal points. While this only provides a precision of 11.1m, the test locations have been selected to ensure the total allowance difference for the boundaries is 4m.*

| Test | Operating Rule(s) | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 8.2 | [HBY0030]<br>[CEX0030]<br>[ReOC0025] | <u>The App identifies the 3nm no-fly zone</u><br>Expected output, location is **inside** the 3nm no-fly zone.<br>***Location details***<br>Name: YSCB – Canberra Airport 3nm No-fly Zone (Pt1)<br>Lat,Long:<br>35°17'29.40"S 149°15'19.80"E *or*<br>-35.291500° 149.255500°<br>Address Search (*In vicinity of*): 855 Sutton Rd, Australian Capital Territory 2609 | | | | | |  |
| 8.3 | | <u>The App identifies the 3nm no-fly zone</u><br>Expected output, location is **outside** the 3nm no-fly zone.<br>***Location details***<br>Name: YSCB – Canberra Airport 3nm No-fly Zone (Pt2)<br>Lat,Long:<br>35°17'32.28"S 149°15'21.24"E *or*<br>-35.292300° 149.255900°<br>Address Search (*In vicinity of*): 855 Sutton Rd, Australian Capital Territory 2609 | | | | | |  |

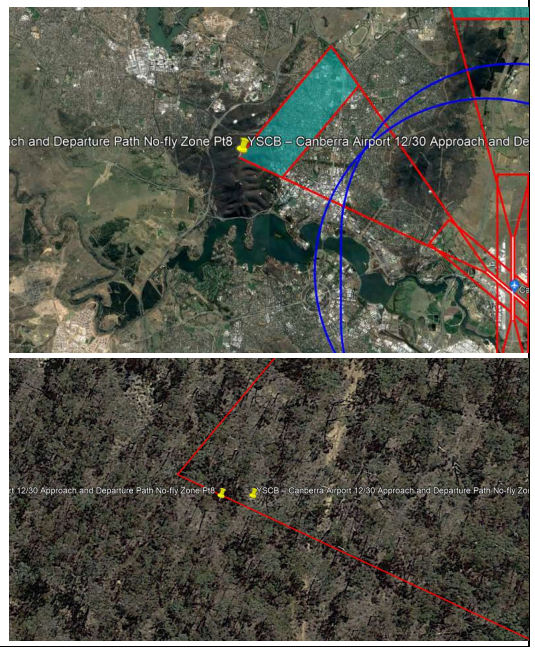
| Test | Operating Rule(s) | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 8.4 | [HBY0030]<br>[CEX0030]<br>[ReOC0025] | <u>The App identifies the 3nm no-fly zone</u><br>Expected output, location is **inside** the 3nm no-fly zone.<br>***Location details***<br>Name: YSCB – Canberra Airport 3nm No-fly Zone (Pt3)<br>Lat,Long:<br>35°21'40.32"S 149°13'2.64"E *or*<br>-35.361200° 149.217400°<br>Address Search (In vicinity of):<br>109 Tharwa Rd, Queanbeyan West NSW 2620 | | | | | | <br> |
| 8.5 | | <u>The App identifies the 3nm no-fly zone</u><br>Expected output, location is **outside** the 3nm no-fly zone.<br>***Location details***<br>Name: YSCB – Canberra Airport 3nm No-fly Zone (Pt4)<br>Lat,Long:<br>35°21'40.32"S 149°13'3.00"E *or*<br>-35.361200° 149.217500°<br>Address Search (In vicinity of):<br>109 Tharwa Rd, Queanbeyan West NSW 2620 | | | | | | |

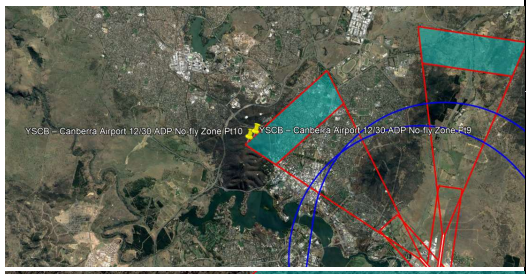
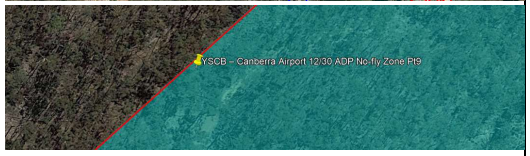
| Test | Operating Rule(s) | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 8.6 | [HBY0030]<br>[CEX0030]<br>[ReOC0025] | <u>The App identifies the 3nm no-fly zone</u><br>Expected output, location is **inside** the 3nm no-fly zone.<br>***Location details***<br>Name: YSCB – Canberra Airport 3nm No-fly Zone (Pt5)<br>Lat,Long:<br>35°18'25.92"S 149° 7'28.56"E *or*<br>-35.307200° 149.124600°<br>Address Search (In vicinity of): 1 Capital Cir, Capital Hill ACT 2600 | | | | | |  |
| 8.7 | | <u>The App identifies the 3nm no-fly zone</u><br>Expected output, location is **outside** the 3nm no-fly zone.<br>***Location details***<br>Name: YSCB – Canberra Airport 3nm No-fly Zone (Pt6)<br>Lat,Long:<br>35°18'26.64"S 149° 7'28.56"E *or*<br>-35.307400° 149.124600°<br>Address Search (In vicinity of): 1 Capital Cir, Capital Hill ACT 2600 | | | | | |  |

| Test | Operating Rule(s) | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 8.8 | [HBY0031] [CEX0031] [ReOC0026] | <u>The App identifies the approach and departure path no-fly zone</u><br>Expected output, location is **inside** the approach and departure path no-fly zone.<br>***Location details***<br>Name: YSCB – Canberra Airport 12/30 ADP No-fly Zone (Pt1)<br>Lat,Long:<br>35°15'23.40"S 149° 8'52.44"E<br>-35.256500° 149.147900°<br>Address Search (*In vicinity of*): 9 Shortland Cres, Ainslie ACT 2602 | | | | | |  <br> |
| 8.9 | | <u>The App identifies the approach and departure path no-fly zone</u><br>Expected output, location is **outside** the approach and departure path no-fly zone.<br>***Location details***<br>Name: YSCB – Canberra Airport 12/30 ADP No-fly Zone (Pt2)<br>Lat,Long:<br>35°15'24.48"S 149° 8'53.52"E<br>-35.256800° 149.148200°<br>Address Search (*In vicinity of*): 8 Shortland Cres, Ainslie ACT 2602 | | | | | | |

| Test | Operating Rule(s) | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 8.10 | [HBY0031] [CEX0031] [ReOC0026] | <u>The App identifies the approach and departure path no-fly zone</u><br>Expected output, location is **inside** the approach and departure path no-fly zone.<br>***Location details***<br>Name: YSCB – Canberra Airport 12/30 ADP No-fly Zone (Pt3)<br>Lat,Long:<br>35°14'51.00"S 149° 8'24.72"E<br>-35.247500° 149.140200°<br>Address Search (In vicinity of): 67 Lea Pl, Downer ACT 2602 | | | | | |  |
| 8.11 | | <u>The App identifies the approach and departure path no-fly zone</u><br>Expected output, location is **outside** the approach and departure path no-fly zone.<br>***Location details***<br>Name: YSCB – Canberra Airport 12/30 ADP No-fly Zone (Pt4)<br>Lat,Long:<br>35°14'49.20"S 149° 8'23.28"E<br>-35.247000° 149.139800°<br>Address Search (In vicinity of): 12 Legge St, Downer ACT 2602 | | | | | | |

| Test | Operating Rule(s) | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 8.12 | [HBY0031] [CEX0031] [ReOC0026] | <u>The App identifies the approach and departure path no-fly zone</u><br>Expected output, location is **inside** the approach and departure path no-fly zone but outside the 1.5km crosshatched segment.<br>***Location details***<br>Name: YSCB – Canberra Airport 12/30 ADP No-fly Zone (Pt5)<br>Lat,Long:<br>35°16'8.76"S 149° 7'1.56"E<br>-35.269100° 149.117100°<br>Address Search (*In vicinity of*): 19 Ridley St, Turner ACT 2612 | | | | | | |
| 8.13 | | <u>The App identifies the approach and departure path no-fly zone</u><br>Expected output, location is **outside** the approach and departure path no-fly zone but inside the 1.5km crosshatched segment.<br>***Location details***<br>Name: YSCB – Canberra Airport 12/30 ADP No-fly Zone (Pt6)<br>Lat,Long:<br>35°15'2.88"S 149° 8'8.52"E<br>-35.250800° 149.135700°<br>Address Search (*In vicinity of*): 16 Challis St, Dickson ACT 2602 | | | | | | <br> |

| Test | Operating Rule(s) | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 8.14 | [HBY0031] [CEX0031] [ReOC0026] | <u>The App identifies the approach and departure path no-fly zone</u><br>Expected output, location is **inside** the 1.5km crosshatched segment of the approach and departure path no-fly zone.<br>***Location details***<br>Name: YSCB – Canberra Airport 12/30 ADP No-fly Zone (Pt7)<br>Lat,Long:<br>35°16'3.72"S 149° 5'50.28"E<br>-35.267700° 149.097300°<br>Address Search (In vicinity of): 100 Black Mountain Dr, Acton ACT 2601 | | | | | | |
| 8.15 | | <u>The App identifies the approach and departure path no-fly zone</u><br>Expected output, location is **outside** the1.5km crosshatched segment of the approach and departure path no-fly zone.<br>***Location details***<br>Name: YSCB – Canberra Airport 12/30 ADP No-fly Zone (Pt8)<br>Lat,Long:<br>35°16'3.72"S 149° 5'49.92"E<br>-35.267700° 149.097200°<br>Address Search (In vicinity of): 100 Black Mountain Dr, Acton ACT 2601 | | | | | |  |

| Test | Operating Rule(s) | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 8.16 | [HBY0031] [CEX0031] [ReOC0026] | <u>The App identifies the approach and departure path no-fly zone</u><br>Expected output, location is **inside** the 1.5km crosshatched segment of the approach and departure path no-fly zone.<br>***Location details***<br>Name: YSCB – Canberra Airport 12/30 ADP No-fly Zone (Pt9)<br>Lat,Long:<br>35°15'51.84"S 149° 6'1.44"E<br>-35.264400° 149.100400°<br>Address Search (*In vicinity of*): 100 Black Mountain Dr, Acton ACT 2601 | | | | | |  |
| 8.17 | | <u>The App identifies the approach and departure path no-fly zone</u><br>Expected output, location is **outside** the1.5km crosshatched segment of the approach and departure path no-fly zone.<br>***Location details***<br>Name: YSCB – Canberra Airport 12/30 ADP No-fly Zone (Pt10)<br>Lat,Long:<br>35°16'0.48"S 149° 5'52.44"E<br>-35.266800° 149.097900°<br>Address Search (In vicinity of): 100 Black Mountain Dr, Acton ACT 2601 | | | | | |  <br> |

| Test | Operating Rule(s) | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| **Without ERSA / NAIPS data subscription**<br>For the following tests, the expected output is listed in the Expected Output column. | | | | | | | | |
| 8.18 | [HBY0030] | The App provides the correct information for operations within the 3nm no-fly zone of a controlled aerodrome | **Block** | | | | | |
| | [CEX0030] | Demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: YPDN – Darwin Airport<br>Lat,Long: 12°26'20.01"S 130°55'18.59"E or -12.438892, 130.921830<br>Address Search: 3 College Rd, Berrimah NT 0828 | **Block** | | | | | |
| | [ReOC0025] | | **Advise** | | | | | |
| 8.19 | [HBY0030] | The App provides the correct information for operations within the approach and departure path no-fly zone of a controlled aerodrome | **Block** | | | | | *Location inside Approach and Departure Path no-fly zone of a controlled airport (but outside the 3nm boundary)* |
| | [CEX0030] | Demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: YPDN – Darwin Airport<br>Lat,Long: 12°26'40.68"S 130°56'48.43"E or -12.444634, 130.946785<br>Address Search: 14 Anictomatis Rd, Berrimah NT 0828 | **Block** | | | | | |
| | [ReOC0025] | | **Advise** | | | | | |
| **With ERSA / NAIPS data subscription**<br>For the following tests, the expected output is listed in the Expected Output column. | | | | | | | | |

| Test | Operating Rule(s) | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 8.20 | [HBY0030] | <u>The App provides the correct information for operations within the 3nm no-fly zone of a controlled aerodrome</u><br>Demonstrate what information each type of RPAS user is provided in the following location **during** tower hours.<br>***Location details***<br>Name: YBSU – Sunshine Coast Airport<br>Lat Long: 26°34'18.79"S 153° 4'54.71"E or<br>-26.571885, 153.081865<br>Address Search: 16 Coorara Ct, Mount Coolum QLD 4573<br>Date/time of operation: Any weekday **inside** 2130-0940Z (0730-1940 AEST) | **Block** | | | | | |
| | [CEX0030] | | **Block** | | | | | |
| | [ReOC0025] | | **Advise** | | | | | |
| 8.21 | [HBY0035] | <u>The App provides the correct information for operations within the 3nm no-fly zone of a non-controlled aerodrome (outside tower hours)</u><br>Demonstrate what information each type of RPAS user is provided in the following location **outside** tower hours.<br>***Location details***<br>Name: YBSU – Sunshine Coast Airport<br>Lat Long: *Same as above (Test 8.20)*<br>Address Search: Same as above (Test 8.20)<br>Date/time of operation: Any weekday **outside** 2130-0940Z (0730-1940 AEST) | **Advise** | | | | | *As the tower is closed the location is inside the 3nm no-fly zone of a non-controlled airport* |
| | [CEX0035] | | **Advise** | | | | | |
| | [ReOC0030] | | **Advise** | | | | | |

| Test | Operating Rule(s) | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 8.22 | [HBY0031] | The App provides the correct information for operations within the approach and departure path no-fly zone of a controlled aerodrome<br>Demonstrate what information each type of RPAS user is provided in the following location **during** tower hours.<br>***Location details***<br>Name: YBSU – Sunshine Coast Airport<br>Lat Long: 26°32'7.57"S 153° 2'47.78"E<br>-26.535436, 153.046605<br>Address Search: 2 Arcoona Rd, Yandina Creek QLD 4561<br>Date/time of operation: Any weekday **inside** 2130-0940Z (0730-1940 AEST) | **Block** | | | | | *Location inside Approach and Departure Path no-fly zone of a controlled airport (but outside the 3nm boundary)* |
| | [CEX0031] | | **Block** | | | | | |
| | [ReOC0026] | | **Advise** | | | | | |
| 8.23 | [HBY0035] | The App provides the correct information for operations within the approach and departure path no-fly zone of a non-controlled aerodrome (outside tower hours)<br>Demonstrate what information each type of RPAS user is provided in the following location, **outside** tower hours.<br>***Location details***<br>Name: YBSU – Sunshine Coast Airport<br>Lat Long: Same as above (Test 8.22)<br>Address Search: Same as above (Test 8.22)<br>Date/time of operation: Any weekday **outside** 2130-0940Z (0730-1940 AEST) | **Advise (See notes)** | | | | | *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.* |
| | [CEX0035] | | **Advise (See notes)** | | | | | |
| | [ReOC0030] | | **Advise (See notes)** | | | | | |

## Test 9 Non-controlled aerodromes and helicopter landing sites [ASD0035] / Approach and Departure Paths [ASD0030]

| Test | Operating Rule | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 9.1 | [ASD0035] | The App uses the authoritative source and complies with the minimum refresh rate for the relevant data<br>Expected outcome, Software Developer describes the source of data and frequency of update. | | | | | | |
| 9.2 | [HBY0035] | The App provides the correct information for operations within the 3nm no-fly zone of a non-controlled aerodrome<br>Demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: YSHL - Shellharbour Airport<br>Lat,Long:<br>34°35'16.17"S 150°46'58.36"E or<br>-34.587826, 150.782877<br>Address Search: Rosetta Hill, 55 Fields Dr, Albion Park NSW 2527 | **Advise** | | | | | |
| | [CEX0035] | | **Advise** | | | | | |
| | [ReOC0030] | | **Advise** | | | | | |

| Test | Operating Rule | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 9.3 | [HBY0035] | (optional) The App provides the correct information for operations within the approach and departure path no-fly zone of a non-controlled certified aerodrome<br>*(optional)* Demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: YSHL - Shellharbour Airport<br>Lat,Long: 34°30'34.2"S 150°46'30.0"E or -34.509500, 150.775000<br>Address Search: 12 Ena Ave, Penrose NSW 2530 | **Advise (See notes)** | | | | | *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.* |
| | [CEX0035] | | **Advise (See notes)** | | | | | |
| | [ReOC0030] | | **Advise (See notes)** | | | | | |
| 9.4 | [HBY0035] | The App provides the correct information for operations within the 3nm no-fly zone of a non-controlled aerodrome<br>Demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: YKTN - Kyneton Airport<br>Lat,Long: 37°13'24.40"S 144°27'37.32"E or -37.223444, 144.460367<br>Address Search: 180 Redesdale Rd, Kyneton VIC 3444 | **Advise** | | | | | |
| | [CEX0035] | | **Advise** | | | | | |
| | [ReOC0030] | | **Advise** | | | | | |

| Test | Operating Rule | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 9.5 | [HBY0035] | <u>(optional) The App provides the correct information for operations within the approach and departure path no-fly zone of a non-controlled uncertified aerodrome</u><br><br>*(Optional test)* Demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: YKTN – Kyneton Airport<br>Lat,Long:<br>37°10'02.6"S 144°27'28.3"E or<br>-37.167383, 144.457866<br>Address Search: Craigmore, 611 Boundary Rd, Greenhill VIC 3444 | **Advise (See notes)** | | | | | *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.* |
| | [CEX0035] | | **Advise (See notes)** | | | | | |
| | [ReOC0030] | | **Advise (See notes)** | | | | | |
| 9.6 | [HBY0035] | <u>The App provides the correct information for operations near an HLS (no instrument approach)</u><br>Demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: YPDK – Perrys Paddock<br>Lat,Long:<br>31°46'4.04"S 115°45'30.25"E or<br>-31.767790, 115.758402<br>Address Search: 16 Sail Terrace, Heathridge WA 6027 | **Advise** | | | | | |
| | [CEX0035] | | **Advise** | | | | | |
| | [ReOC0030] | | **Advise** | | | | | |

| Test | Operating Rule | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 9.7 | [HBY0035] | <u>The App provides the correct information for operations near an HLS (no instrument approach)</u><br>Demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: YSRL - Sorell<br>Lat,Long:<br>42°46'53.86"S 147°33'26.34"E or<br>-42.781627, 147.557317<br>Address Search: 7 Tasman Hwy, Sorell TAS 7172 | **Advise** | | | | | |
| | [CEX0035] | | **Advise** | | | | | |
| | [ReOC0030] | | **Advise** | | | | | |

## Test 10 CASA Advisories [ASD0050]

| Test | Operating Rule | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 10.1 | [ASD0050] | The App uses the authoritative source and complies with the minimum refresh rate for the relevant data<br>Expected outcome, Software Developer describes the source of data and frequency of update. | | | | | | |
| 10.2 | [HBY0070] | The App provides the correct information for operations within an advisory location<br>Demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: Checkout test advisory 1 - Rec/Exc<br>Lat,Long:<br>35°20'29.52"S 149° 1'39.39"E or<br>-35.341532,149.027608<br>Address Search: TLC Cycles 20 Eucumbene Dr, Duffy ACT 2611, Australia | **Block** | | | | | *Expected output of ReOC is nothing displayed, not a message displaying "None"* |
| | [CEX0070] | | **Advise** | | | | | |
| | [ReOC0045] | | **None (See notes)** | | | | | |

| Test | Operating Rule | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 10.3 | [HBY0070] | The App provides the correct information for operations within an advisory location<br>Demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: Checkout test advisory 1 - ReOC<br>Lat,Long:<br>35°20'29.52"S 149° 1'39.39"E or<br>-35.341532,149.027608<br>Address Search: TLC Cycles 20 Eucumbene Dr, Duffy ACT 2611, Australia | **None (See notes)** | | | | | *Expected output of Rec/Exc is nothing displayed, not a message displaying "None"* |
| | [CEX0070] | | **None (See notes)** | | | | | |
| | [ReOC0045] | | **Advise** | | | | | |
| 10.4 | [HBY0070] | The App provides the correct information for operations within an advisory location<br>Demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: Checkout test advisory 2<br>Lat,Long:<br>35°17'58.24"S 149° 4'9.80"E or<br>-35.299511, 149.069388<br>Address Search: National Zoo & Aquarium ACT | **None (See notes)** | | | | | *Expected output of Recreational is nothing displayed, not a message displaying "None"* |
| | [CEX0070] | | **Block** | | | | | |
| | [ReOC0045] | | **Advise** | | | | | |

## Test 11 Helicopter Landing Sites (HLS) with instrument approach [ASD0055]

| Test | Operating Rule | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 11.1 | [ASD0055] | The App uses the authoritative source and complies with the minimum refresh rate for the relevant data<br>Expected outcome, Software Developer describes the source of data and frequency of update. | | | | | | |
| 11.2 | [HBY0080] | The App provides the correct information for operations near a HLS with an instrument approach<br>Demonstrate what information each type of RPAS user is provided in a location with a Helicopter Landing Site with instrument approach.<br>***Location details***<br>Name: YATN – Atherton Aerodrome<br>Lat,Long: 17°15'36.65"S 145°28'41.67"E or -17.260181, 145.478243<br>Address Search: 1 Tolga Rd, Atherton QLD 4883 | **Block** | | | | | |
| | [CEX0080] | | **Block** | | | | | |
| | [ReOC0050] | | **Advise** | | | | | |

## Test 12 Fire Hazards and Incidents [AD0005]

| Test | Operating Rule | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 12.1 | [AD0005] | The App uses the authoritative source and complies with the minimum refresh rate for the relevant data<br>Expected outcome, Software Developer describes the source of data and frequency of update. | | | | | | |
| **The App identifies active emergencies**<br>CASA to access the following links and select one an active emergency from those listed.<br>Expected outcome, software provider must demonstrate that the selected active emergency is identifiable to users. | | | | | | | | |
| 12.2 | [HBY0015] | **ACT**<br>Selected incident from<br>http://www.esa.act.gov.au/feeds/currentincidents.xml | **Block** | | | | | |
| | [CEX0015] | | **Block** | | | | | |
| | [ReOC0010] | | **Advise** | | | | | |
| 12.3 | [HBY0015] | **NSW**<br>Selected incident from<br>http://www.rfs.nsw.gov.au/feeds/majorIncidents.xml | **Block** | | | | | |
| | [CEX0015] | | **Block** | | | | | |
| | [ReOC0010] | | **Advise** | | | | | |
| 12.4 | [HBY0015] | **VIC**<br>Selected incident from<br>https://data.emergency.vic.gov.au/Show?pageId=getIncidentXML | **Block** | | | | | |
| | [CEX0015] | | **Block** | | | | | |
| | [ReOC0010] | | **Advise** | | | | | |
| 12.5 | [HBY0015] | **TAS**<br>Selected incident from<br>http://www.fire.tas.gov.au/Show?pageId=colBushfireSummariesRss | **Block** | | | | | |
| | [CEX0015] | | **Block** | | | | | |
| | [ReOC0010] | | **Advise** | | | | | |

| Test | Operating Rule | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 12.6 | [HBY0015] | **SA**<br>Selected incident from<br>https://data.eso.sa.gov.au/prod/cfs/criimson/cfs_current_incidents.xml | **Block** | | | | | |
| | [CEX0015] | | **Block** | | | | | |
| | [ReOC0010] | | **Advise** | | | | | |
| 12.7 | [HBY0015] | **WA**<br>Selected incident from<br>https://www.emergency.wa.gov.au/data/incident_FCAD.rss | **Block** | | | | | |
| | [CEX0015] | | **Block** | | | | | |
| | [ReOC0010] | | **Advise** | | | | | |
| 12.8 | [HBY0015] | **QLD**<br>Selected incident from<br>https://www.qfes.qld.gov.au/data/alerts/bushfireAlert.xml | **Block** | | | | | |
| | [CEX0015] | | **Block** | | | | | |
| | [ReOC0010] | | **Advise** | | | | | |
| 12.9 | [HBY0015] | **NT**<br>Selected incident from<br>https://www.pfes.nt.gov.au/incidentmap/json/incidents.json | **Block** | | | | | |
| | [CEX0015] | | **Block** | | | | | |
| | [ReOC0010] | | **Advise** | | | | | |

## Test 13 Electricity Transmission Lines [AD0010]

| Test | Operating Rule | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 13.1 | [AD0010] | The App uses the authoritative source and complies with the minimum refresh rate for the relevant data<br>Expected outcome, Software Developer describes the source of data and frequency of update. | | | | | | |
| 13.2 | [HBY0045] | The App provides the correct information for operations near electricity transmission lines<br>Demonstrate what information each type of RPAS user is provided in a location near electricity transmission lines.<br>***Location details***<br>Name: Capel to Busselton (H:21m,W:10)<br>Lat,Long:<br>33°36'25.92"S 115°29'5.49"E or<br>-33.607201,115.484858<br>Address Search: 49 Ludlow-Hithergreen Road, Ludlow WA 6280 | **Advise** | | | | | |
| | [CEX0045] | | **Advise** | | | | | |
| | [ReOC0055] | | **Advise** | | | | | |

## Test 14 Marine Parks [AD0015]

| Test | Operating Rule | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 14.1 | [AD0015] | <u>The App uses the authoritative source and complies with the minimum refresh rate for the relevant data</u><br>Expected outcome, Software Developer describes the source of data and frequency of update. | | | | | | |
| 14.2 | [HBY0075] | <u>The App provides the correct information for operations within a marine park</u><br>Demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Name: Apollo Commonwealth Marine Reserve<br>Lat,Long:<br>38°56'19.95"S 143°31'55.06"E or<br>-38.938874, 143.531961<br>Address Search:<br>40km South of Cape Otway, Victoria 3233 | **Block** | | | | | |
| | [CEX0075] | | **Block** | | | | | |
| | [ReOC0035] | | **Advise** | | | | | |

## Test 15 CASA Notifications [AD0020]

| Test | Operating Rule | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass | Fail | N/A | See Notes | |
| 15.1 | [AD0020] | The App uses the authoritative source and complies with the minimum refresh rate for the relevant data<br>Expected outcome, Software Developer describes the source of data and attests to the Apps frequency of update. | | | | | | |
| 15.2 | [UAA0030] | Current notifications are visible to users of the App<br>Expected outcome, software developer to demonstrate an active notification.<br>***Passing response***<br>Notification visible<br>"A test notification ([operator_type])", "CASA Example Notification"<br>***Failed response***:<br>"Too Early", "Too Late" | | | | | | |
| 15.3 | [UAA0030] | Future-dated notifications are not visible to users of the App<br>Expected outcome, software developer to demonstrate future-dated notifications are not visible.<br>***Passing response***<br>Notification not visible<br>***Failed response***<br>"Too Early", "Too Late" | | | | | | |

# Other Requirements Tests

## Test 16 Flying over 120 metres (400 feet) AGL

| Operating Rule | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|
| | | | Pass | Fail | N/A | See Notes | |
| [HBY0005] | The App provides the correct information for operations above 400ft AGL<br>Demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Height of operation: 450 feet AGL<br>Area of operation: Any location in unrestricted, uncontrolled airspace. | **Block** | | | | | |
| [CEX0005] | | **Block** | | | | | |
| [ReOC0005] | | **Advise** | | | | | |

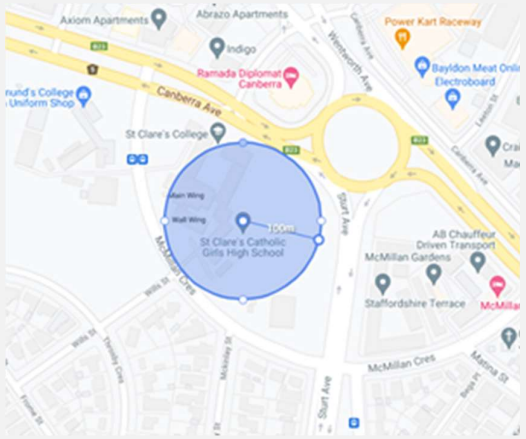
## Test 17 Flying during the day

| Operating Rule | Test Scenario | Expected Output | Result | | | | Notes |
|---|---|---|---|---|---|---|---|
| | | | Pass | Fail | N/A | See Notes | |
| [HBY0050] | The App provides the correct information for operations outside daylight hours<br>Demonstrate what information each type of RPAS user is provided in the following location.<br>***Location details***<br>Area of operation: Any location in unrestricted, uncontrolled airspace.<br>Date/time of operation: Before known sunrise | **Block** | | | | | |
| [CEX0050] | | **Block** | | | | | |
| [ReOC0015] | | **Advise** | | | | | |

# Airspace Authorisations Tests

## Test 18 Area wholly within GCDs

| Test | Operating Rule | Test Scenario | Result | | | | Notes |
|---|---|---|---|---|---|---|---|
| | | | Pass | Fail | N/A | See Notes | |
| 18.1 | [ASD0060] | <u>The App uses the authoritative source and complies with the minimum refresh rate for the relevant data</u><br>Expected outcome, Software Developer describes the source of data and frequency of update.<br>Also describe process for complying with Airservices' requirements (e.g. checksum). | | | | | |
| 18.2 | [AA0035] | <u>User has an individual account with a login</u><br>Expected outcome, Software Developer explains the security identification mechanisms (e.g. username and password) | | | | | |
| 18.3 | [AA0040] | <u>App release and HTTPS encryption</u><br>Expected outcome, Software Developer attests that the application follows industry best practices for app releases and HTTPS encryption. | | | | | |
| 18.4 | [AA0050] | <u>Auth requests through Chief Remote Pilot</u><br>Expected outcome, Software Developer explains how airspace authorisations are available only to the Chief Remote Pilot (CRP) of a valid ReOC holder.<br>Also describe the process for seeking CRP consent to share details with CASA. | | | | | |

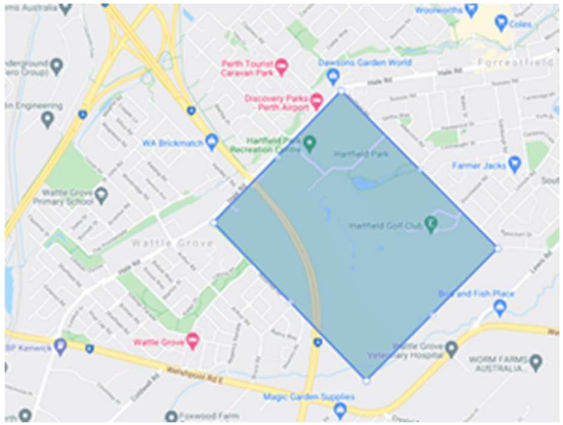
| Test | Operating Rule | Test Scenario | Result | | | | Notes |
|---|---|---|---|---|---|---|---|
| | | | Pass | Fail | N/A | See Notes | |
| 18.5 | [AA0010] | <u>GCD integration into GUI</u><br>Expected outcome, Software Developer explains how area/s where GCD cells apply can be identified by the user. | | | | | |
| 18.6 | [AA0055] | <u>Submission of an authorisation request</u><br>Expected outcome, Software Developer demonstrates how a user would initialise an airspace authorisation request in an area wholly within the GCD.<br>***Operation details***<br>Area of operation: Circle with 100 m radius<br>Lat,Long:<br>35°19'22.83"S 149° 8'50.05"E or -35.323009° 149.147236°<br>Address:<br>St Clare's College, 1 McMillan Cres, Griffith ACT 2603<br>Height of operation: 40 ft AGL<br>Date/time of operation: 15 minutes from now<br>Duration of operation: 3 hours<br>RPAS Category: Multi-rotor<br>Operating flight Profile: Manual<br>Operator number (ReOC): 9798<br>Licence (ARN): 9981234<br>Phone: 0412345678<br>RPA serial number: 7834JHG9999123 | | | | |  |

| Test | Operating Rule | Test Scenario | Result | | | | Notes |
|---|---|---|---|---|---|---|---|
| | | | Pass | Fail | N/A | See Notes | |
| 18.7 | [AA0052] | Authorisation submission declaration displayed to the user<br>Expected outcome, declaration is displayed to the user for confirmation before the request in test 18.6 is submitted. | | | | | |
| 18.8 | [AA0005] | The correct content is submitted to the RPAS Platform<br>Expected outcome, CASA will check the application has been received and accepted in the RPAS platform ***staging*** interface. | | | | | |
| 18.9 | [AA0051] | Conditions of the approval are provided or identified to the user<br>Expected outcome, after the request has been successfully submitted to the RPAS Platform the authorisation application is '***approved***' and the conditions of approval are displayed to the user.<br>**Included in the conditions is the following information**:<br>The operator must ensure the RPA operation is conducted in accordance with the conditions specified in the CASA Instrument that is in force at the time of the authorised operation, available at https://www.casa.gov.au/drones/industry-initiatives/automated-airspaceapprovals-trial | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18.10 | [AA0051] | <u>Authorisation information is displayed to the user</u><br>Expected outcome, after the request has been successfully submitted to the RPAS Platform the authorisation text is displayed to the user.<br>**Included in the authorisation text should be the following information**:<br>• Airspace authorisation [id]<br>• Issued to ReOC [operator_number]<br>• Issued on [create_date/time] | | | | | |
| 18.11 | [AA0051] | <u>RPAS information is displayed to the user</u><br>Expected outcome, after the request has been successfully submitted to the RPAS Platform the RPAS information is displayed to the user.<br>**Included in the RPAS information should be the following information:**<br>• The operator is authorised to fly the remotely piloted aircraft [uas_serial_number] in the operating area in the approved area. | | | | | |
| 18.12 | [AA0051] | <u>Operation information is displayed to the user</u><br>Expected outcome, after the request has been successfully submitted to the RPAS Platform the operation information is displayed to the user.<br>**Included in the operation information should be the following information:**<br>• The operator is authorised to operate the RPA in the operating area in the approved area on [start_time – displayed as the start date in local time] from [start_time – displayed as the start time in local time] until [start_time + duration – displayed as the end time in local time]. | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18.14 | [AA0030] | Authorisation can be '*closed*'<br>Expected outcome, after the operation has commenced the software provider demonstrates how a user can close the authorisation before the end time.<br>Closing an operation should only be possible after the operation start time and before the operation end time.<br>CASA must confirm in the RPAS platform staging interface that the operation has been closed. | | | | | |

## Test 19 Area partly falls outside GCDs

| Test | Operating Rule | Test Scenario | Result | | | | Notes |
|---|---|---|---|---|---|---|---|
| | | | Pass | Fail | N/A | See Notes | |
| 19.1 | [AA0015]<br>[AA0055] | <u>Submission of an authorisation request</u><br>Expected outcome, Software Developer demonstrates how a user would initialise an airspace authorisation request in an area partly outside the GCD.<br>***Operation details***<br>Area of operation: Rectangle in the location below<br>Lat,Long:<br>31°59'53.16"S 115°59'58.56"E or<br>-31.9981, 115.9996<br>Address:<br>Hartfield Park – Forrestfield, WA<br>Height of operation: 300 ft AGL across entire area<br>Date/time of operation:<br>29 days from today's date<br>Duration of operation: 60 minutes<br>RPAS Category: Multi-rotor<br>Operating flight Profile: Manual<br>Operator number (ReOC): 9798<br>Licence (ARN): 9981234<br>Phone: 0412345678<br>RPA serial number: 7834JHG9999123 | | | | | *If no GCD is valid for 29 days in the future, use the latest date possible.*<br>  |

| Test | Operating Rule | Test Scenario | Result | | | | Notes |
|---|---|---|---|---|---|---|---|
| | | | Pass | Fail | N/A | See Notes | |
| 19.2 | [AA0015] | The corrected area is submitted to the RPAS Platform<br>Expected output, the application submits only the portion of the operation that falls within the GCD area to the RPAS Platform. The portion outside the GCD should be trimmed. | | | | | |
| 19.3 | [AA0005] | The correct content is submitted to the RPAS Platform<br>Expected outcome, CASA will check the application has been received and accepted in the RPAS platform ***staging*** interface. | | | | | |
| 19.4 | [AA0051] | Conditions of approval and authorisation text displayed to the user<br>Expected output, after the request has been successfully submitted to the RPAS Platform the authorisation is approved with the area outside the GCD excluded and the appropriate information is provides to the user.<br>See Test 18.09, 18.10, 18.11 and 18.12 for details of the appropriate information. | | | | | |
| 19.6 | [AA0020] | The user is able to view previous successful authorisations<br>Expected output, software developer demonstrates the user's access to their successful request for airspace authorisations for a period of at least 30 days from the planned start date of operation. | | | | | |

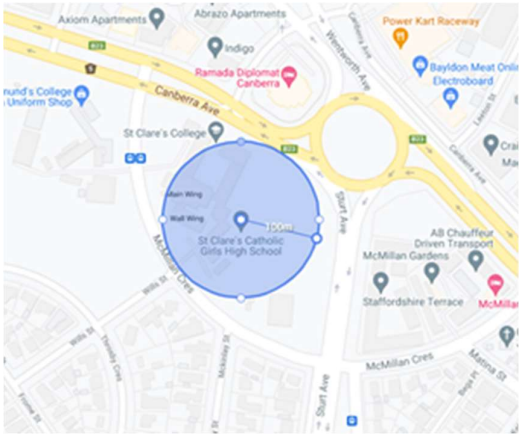
| An advisory is created in the RPAS platform staging interface which overlaps the operation area and date/time | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19.7 | [AA0045] | <u>User is notified in the event that an airspace authorisation is no longer valid</u><br>Expected output, software developer demonstrates the **how and when** a user is notified in the event that an airspace authorisation is no longer valid.<br>CASA must create an advisory in RPAS platform staging interface which overlaps RPAS operation to invalidate operation. | | | | | |
| 19.8 | [AA0025] | <u>User can cancel a successful airspace authorisation</u><br>Expected output, software developer demonstrates how the user can cancel a successful airspace authorisation | | | | | |
| 19.9 | [AA0025] | <u>Application cancels successful airspace authorisation on the RPAS Platform</u><br>Expected output, CASA must check in RPAS platform staging interface and confirm that the operation has been cancelled. | | | | | |

## Test 20 Area falls within approach and departure paths

| Test | Operating Rule | Test Scenario | Result | | | | Notes |
|---|---|---|---|---|---|---|---|
| | | | Pass | Fail | N/A | See Notes | |
| 20.1 | [AA0055]<br>[AA0056]<br>[ReOC0026] | <u>Submission of an authorisation request</u><br>Software developer demonstrates requesting an authorisation in an area partly inside the approach and departure path. Expected output is either:<br>• 'not approved/Block' or<br>• 'Approved' if the area is automatically altered to not be within the approach and departure paths<br>***Operation details***<br>Area of operation: Polygon in the location below<br>Lat,Long:<br>34°56'44.52"S 138°33'34.92"E or<br>-34.9457, 138.5597<br>Address:<br>Weigall Oval Reserve<br>Height of operation: 100 ft AGL<br>Date/time of operation: 60 minutes from now<br>Duration of operation: 60 minutes<br>RPAS Category: Fixed-wing<br>Operating flight Profile: Grid<br>Operator number (ReOC): 9798<br>Licence (ARN): 9981234<br>Phone: 0412345678<br>RPA serial number: 7834JHG9999128 | | | | | |

| Test | Operating Rule | Test Scenario | Result | | | | Notes |
|---|---|---|---|---|---|---|---|
| | | | Pass | Fail | N/A | See Notes | |
| 20.2 | [AA0025] | <u>User can cancel the authorisation</u><br>Expected outcome, software developer demonstrates how the application enables a user to cancel an authorisation. Use the authorisation in test 20.1.<br>CASA must check in RPAS Platform staging interface that the operation has been successfully cancelled.<br><br>*If the application blocks the request in test 20.1, create new operation with same attributes, but not within approach/departure path to complete this test.* | | | | | |

## Test 21 Operation falls outside allowed time parameters

| Test | Operating Rule | Test Scenario | Result | | | | Notes |
|---|---|---|---|---|---|---|---|
| | | | Pass | Fail | N/A | See Notes | |
| 21.1 | [AA0055]<br>[AA0060] | <u>Submission of an authorisation request for an authorisation more than 30 days in the future</u><br>Software developer demonstrates how a user would initialise an airspace authorisation request outside allowed time parameters. Expected outcome,<br>• 'not approved/Block'<br>***Operation details***<br>Area of operation: Circle with 100 m radius<br>Lat,Long:<br>35°19'22.83"S 149° 8'50.05"E or<br>-35.323009° 149.147236°<br>Address:<br>St Clare's College, 1 McMillan Cres, Griffith ACT 2603<br>Height of operation: 40 ft AGL<br>Date/time of operation: 31 days from now<br>Duration of operation: 2 hours<br>RPAS Category: Multi-rotor<br>Operating flight Profile: Manual<br>Operator number (ReOC): 9798<br>Licence (ARN): 9981234<br>Phone: 0412345678<br>RPA serial number: 7834JHG9999123 | | | | |  |

| Test | Operating Rule | Test Scenario | Result | | | | Notes |
|---|---|---|---|---|---|---|---|
| | | | Pass | Fail | N/A | See Notes | |
| 21.2 | [AA0060] | <u>User cannot submit a request for an authorisation in the past</u><br>Software developer demonstrates how a user would initialise an airspace authorisation request outside allowed time parameters. Expected outcome,<br>• 'not approved/Block'<br>***Operation details***<br>*Same as test 21.1 except for the following:*<br>Date/time of operation: Yesterday | | | | | |
| 21.3 | [AA0065] | <u>User cannot submit a request for an authorisation outside daylight hours</u><br>Software developer demonstrates how the application limits the maximum duration of the airspace approval request to civil twilight. Expected outcome,<br>• 'not approved/Block'<br>***Operation details***<br>*Same as test 21.1 except for the following:*<br>Date/time of operation: 60 minutes from now<br>Duration of operation: 18 hours | | | | | |

## Test 22 Simulated airspace authorisations (optional)

| Test | Operating Rule | Test Scenario | Result | | | | Notes |
|---|---|---|---|---|---|---|---|
| | | | Pass | Fail | N/A | See Notes | |
| 21.1 | [AA0006] | User can submit an authorisation for a *Simulated* operation<br>Expected outcome, software developer demonstrates how a simulated flight with status "Simulated – Show on Interface" is submitted.<br>CASA must check in RPAS platform staging interface to confirm. | | | | | |
| 21.2 | [AA0006] | User can submit an authorisation for a *Simulated* operation<br>Expected outcome, software developer demonstrates how a simulated flight with status "Simulated – Do Not Show on Interface" is submitted.<br>CASA must check in RPAS platform staging interface to confirm. | | | | | |