AIREX
Fit for Purpose Aviation Training







AIREX.NZ

AirEx Part 102 Certification and Agrichemical Application Qualification Guide

Overall initial process

1 PART 102 EXPOSITION	2 ADVANCED UAS COURSE	3 PILOT CHEMICAL RATING (PCR)	4 OPERATIONAL COMPETENCY ASSESSMENT	5 AGRICULTURAL RATING
FENIX UAS	FENIX UAS	AIREX	AIREX	AIREX
Most important in terms of time. Allow around 7–8 months for the entire drafting and approval process.	To operate under a Part 102 exposition, you must complete an Advanced UAS Remote Pilot Course.	To apply aerial agrichemicals, a PCR must be completed (prior to the Agricultural Rating).	An OCA (flight test) is completed on your large spray machine once your Part 102 has been approved by CAA.	The last step. 2–3 days of theory and practical, then a supervision phase before final sign-off by an examiner.
$3,600+gst	**$1,545+gst**	**$4,000+gst**	**$600+gst**	**$4,000+gst**

To spray you need to have completed an Advanced Course, an OCA on your large spray machine, plus an Agricultural Rating. You also need to hold a Pilot Chemical Certificate, have Chemical Trespass Insurance in place, as well as a Part 102 operating manual (exposition) issued by CAA.

AirEx works alongside Fenix UAS. Fenix manage your Part 102 exposition and deliver the Advanced UAS course; AirEx takes you through everything else – your Pilot Chemical Rating, OCA, Agricultural Rating and annual checks. The process is broken down below, with reference to the flowchart further in the document.

(1) Part 102 Exposition (102 manual)

MANAGED BY FENIX UAS

On the left-hand side of the flowchart, the Part 102 Exposition is the most important in terms of time. There is currently around a 6 month wait with CAA, and you'll need to allow roughly 7–8 months all up for the entire process. Fenix UAS's cost to manage your application from start to finish is $3,600+gst.

Fenix work with you from start to finish of this process, which includes:

- Developing the exposition;

- Consultations as needed with you;
- Submitting the application;
- Coaching for the CAA interview; and
- Addressing any queries CAA may come back with.

(2) Advanced UAS Course

DELIVERED BY FENIX UAS

While the Part 102 is in CAA's queue, you'll complete an Advanced UAS Remote Pilot Certificate course (for Part 102 operations) with Fenix UAS. This certificate is awarded after successfully completing:

- UAS101 Part 101 Ground Course;
- UAS102 Part 102 Ground Course; and
- UAS003 Flight Test.

It's a 3 day course and costs $1,545+gst. Upcoming course dates can be found at **fenixuas.nz/all-course-dates**

(3) Pilot Chemical Rating

DELIVERED BY AIREX

Around the same time, you can complete your Pilot Chemical Rating with AirEx. This can be done before CAA approves the Part 102 exposition. Our in-person course runs over two consecutive days, at locations around New Zealand, and costs $4,000+gst. Course dates and bookings are at **airex.nz**

(4) Operational Competency Assessment (OCA)

DELIVERED BY AIREX

Once your Part 102 is approved by CAA, you'll complete an Operational Competency Assessment (OCA) with us on the large machine you intend to spray with. This is currently $600+gst (or as per your service proposal).

(5) Agricultural Rating

DELIVERED BY AIREX

The next step is your Agricultural Rating. The cost is $4,000+gst and includes both the theory and practical components, as well as the supervision phase (explained below) and final sign-off. These can be completed at your location or that of the examiner. Duration: 2–3 days.

Chemical Trespass Insurance must be in place before we go ahead with the rating.

The prerequisites are:

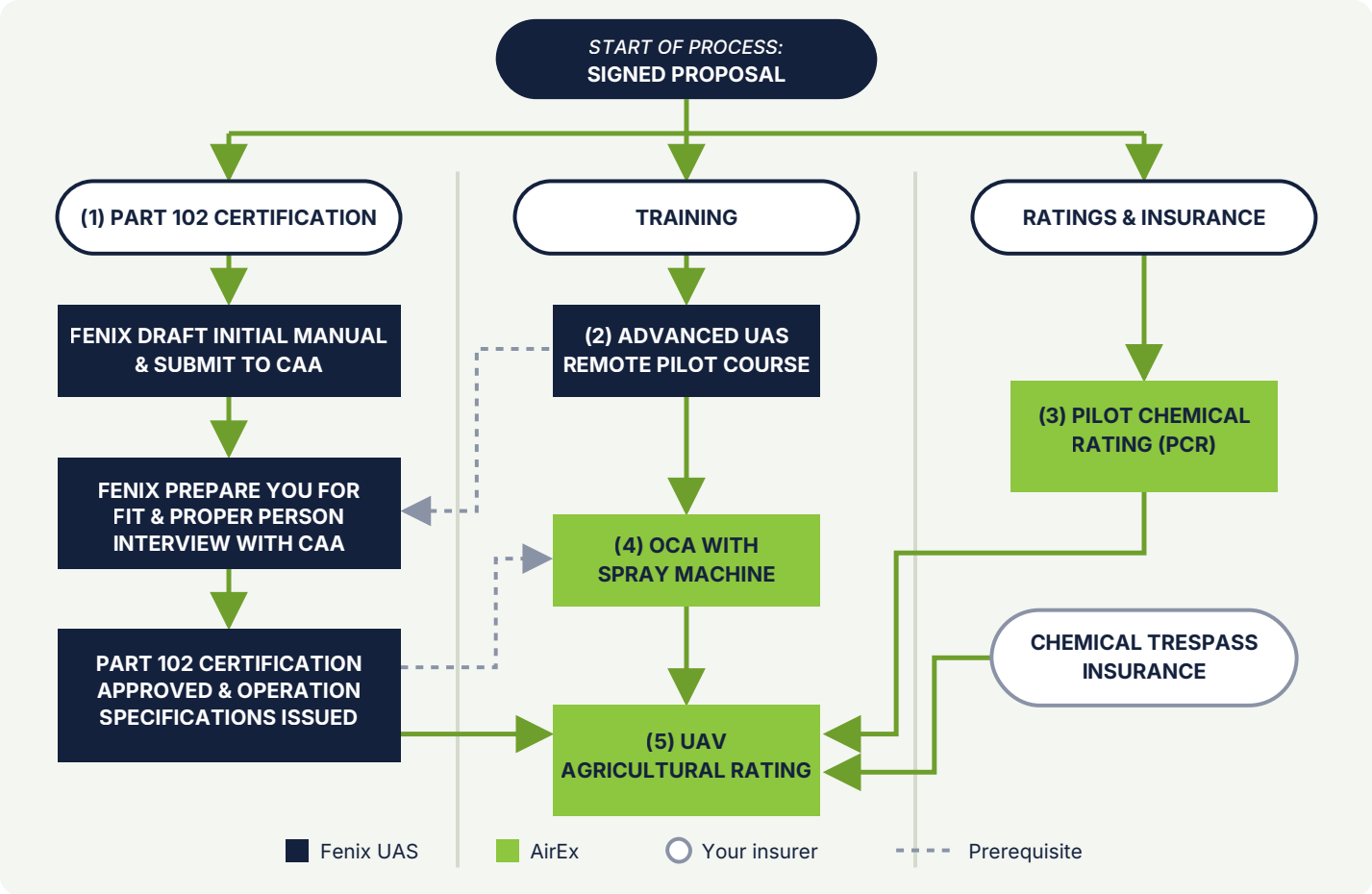
- An approved Part 102 exposition and the corresponding Op Specs;
- A completed Advanced (102) UAS Remote Pilot Course;
- An OCA on the large machine;
- A Pilot Chemical Rating certificate;
- Chemical Trespass Insurance with "Fenix Flight Training Ltd" as a named party.

Once you've completed the theory and practical, you'll be issued with a "Restricted" Ag Rating. This means you're under supervision for the first few jobs you complete, until the instructor deems you capable and competent to operate under an "Unrestricted" Rating. The supervision timeframe is roughly 3–4 months, depending on how many jobs you have during this time. From there, you'll be able to operate independently.

> AirEx training is delivered under Fenix Flight Training Ltd's CAA Part 141 certificate, which is why Fenix Flight Training Ltd needs to be a named party on your insurance.

Flowchart of process

Below is the entire process broken down with the numbered steps above. The dotted lines show courses/ certifications that need to be completed or issued before the next step in the process.



Other initial costs

CAA: CAA charge $312 per hour to assess each Part 102 application. They require a 2-hour upfront payment when the Part 102 (exposition) is submitted. Fenix UAS bill you this payment as part of their first invoice, then pay CAA on your behalf when the 102 is submitted. All up, CAA charges could be around $1,500–$2,000 depending on how much time they spend on each manual during the approval process. CAA bill you directly for the remainder of their costs once the Part 102 Certification is issued.

Ag Rating: There may also be extra costs associated with an Ag Rating if we need to send an examiner to your location (mileage, accommodation etc). Likewise, if you need to travel to the Ag Rating, this is also a cost to you.

Retailers for agricultural drones

ABZ Drones: DO Drones
Contact: David Okros
david@dodrones.co.nz
020 4019 5893

XAG: Airborne Solutions
Contact: Scotty Horgan
scott@airbornesolutions.co.nz
027 288 5034

DJI: Incredible Group
Contact: Cody Stevens
cody@incredible.co.nz
027 688 5002

DJI: Agsmart UAV
Contact: Vaughan Ward
agsmartuav@xtra.co.nz
027 299 1225

DJI: Ferntech
Contact: Travis Watkins
travis@ferntech.co.nz
022 157 5649

Custom Drones: SPS Automation
Contact: Scott Spooner
scott.spooner@spsautomation.com
027 696 1269

Ongoing costs

Annual refresher training AirEx

We combine your annual Operational Competency Assessment (OCA) and Agricultural Competency Assessment (ACA) so they're done on the same day, and are then due at the same time each year.

Changes to the Part 102 Fenix UAS

Once your initial Part 102 manual has been approved by CAA and your certification issued, most subsequent changes to the document need to be signed off by CAA.

Fenix UAS charge amendments (changes to your manual) at $100–200+gst per hour, and also manage the resubmission to CAA. CAA also charge hourly to review and approve the amendment, at $312 per hour.

Part 102 Exposition 5-yearly renewal Fenix UAS

Every 5 years the Part 102 Exposition must go through a renewal with CAA. This is to ensure the certification still meets the requirements of the operator, and that the Prime Person is still competent to fulfil the role of Prime Person for that certificate.

Fenix UAS manage this for you and make changes/updates to the manual as required. Just like amendments, charges are $100–200+gst per hour with Fenix UAS, and $312 per hour with CAA.

Contact us

AirEx – Ag training

Pilot Chemical Rating, OCAs, Agricultural Ratings and annual checks

Phone: 06 777 5274
Email: info@airex.nz
Website: airex.nz

Fenix UAS – Part 102 & Advanced course

Part 102 expositions, amendments, renewals and the Advanced UAS course

Phone: 06 777 5288
Email: enquiries@fenixuas.nz
Website: fenixuas.nz

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