

A large, stylized version of the Avtrain logo. The word "Avtrain" is written in a bold, blue, sans-serif font. A blue airplane icon is integrated into the letter 'v', with a thin blue line extending from the top of the 'v' to the tail of the airplane, suggesting a path or trajectory.

## Specific Category Training Quotation

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Dear Future Drone Pilot,

At Avtrain our mission is to make knowledge as accessible as possible to as many as possible and encourage prolific drone operations while keeping the skies safe through the highest standards of training and certification but all of this without significant cost. We set the standards for others to follow.

Please find details of training quote to carry out your Specific Category theory training, risk assessment preparation and flight test for the grant of an Operational Authorisation and a Remote Pilot Competence Certificate (RPC). The prices quoted are per person and include all course materials, exams, flight tests. The additional cost of the fees payable directly to the IAA are not included in the quote below and we are awaiting final confirmation of these fees – they are currently estimated at €290 for 5 years. We are carrying out all of our training using a virtual classroom through Zoom. This just requires trainee pilots to download the Zoom App and they will receive a link to join. The benefit of carrying out the course over Zoom rather than just a simple online course is the participants have a live instructor with them all the way through the course so questions can be addressed immediately and effectively. Also, the course is then designed specifically for the participants and will address any specific issues you may have arising rather than being a generic formula.

The training is carried out over the 2 days and the course will start at 0930 and finish at 1630 each day with a short morning and afternoon break and 45 minutes for lunch. It is usual that the flight test will be for an up to 25kg Multirotor drone, should you purchase other drones of a different class, i.e. Fixed wing, single rotor or +25kg Multirotor, Avtrain will be happy to conduct a further flight tests and Operations manual assessment at that time.

The virtual classroom training over the 2 days is very intensive and all of the requirements for the written exam and the flight test are covered in detail. There is no need for any pre study but there will be some light reading between the first and second days classes. The 3rd day where we will carry out the flight tests will be arranged following the course and normally held 2-4 weeks afterwards to allow the students to digest and put into practice the information they have learned during the course. Under the current regulations you are no longer required to register your drone but you must register in person on <https://iaa.mysrs.ie/auth/sign-in> and complete you A1/A3 Open Category Authorisation prior to commencing the course. I have attached an infographic which sets out the steps for this.

### **Flight training and RPC test**

Flight training is not mandatory and normally is not required as the drones are very simple to operate and each individual just needs to practice rather than be taught. If bespoke, individual Flight training is required then it can be facilitated at a cost of €500 per full day for up to 5 people. Should you wish to have practical flight training included please just let me know, in light of the current restrictions I would suggest the trainee pilot uses the available flight training resources that come with the drone and practices in a field or other open area. Most drones now come with built in tutorial programs that are easy to follow and provide all of the necessary training without any supervision from an instructor.

The flight tests for the RPC are normally carried out at Bellewstown racecourse, Carrick on Shannon or at FMCI beside Shannon Airport but can also be arranged for a location closer to the candidates. The best practice the candidates can do in advance is to fly a figure of 8 manoeuvre but keep a specific object on the ground in the camera view while they manoeuvre. This will give them good spacial awareness and improve their ability to orientate their drone. Also all candidates must be proficient flying with GPS off (ATTI Mode) if this is a feature of their drone. We will set exercises for the candidates to complete during the ground portion of their training, it is recommended that all candidates have logged a minimum of 7 hours flight time before applying to sit the RPC flight test.

### **Why Choose Avtrain?**

Avtrain have an extensive record of working with both large and small organisations and have carried out training and certification with RTE, Irish Water, Energia, Irish Explosives, Invas Biosecurity, UCD, SD CoCo, DLR Co Co, Monaghan Co Co, JJ Rhatigan, the Civil Defence and many private individuals to name a few. We have also trained the Civil Defence to become an established training authority so that they can undertake internal training and certify their own pilots.

Avtrain will give you every assistance to ensure that all of the necessary requirements are covered comprehensively and all associated risk assessments are appropriate for the operation. We offer unprecedented after training support and have an unrivalled relationship with the IAA that spans over 30 years.

We are the only IAA Recognised Entity that can train and flight test all categories of drones up to 75kgs and we are a SOP drone operator here in Ireland. Our CEO Julie Garland is the Chair of the Unmanned Aircraft Association of Ireland which is an industry representative body supporting drone operators and promoting the use of drones.

We have partnered with Drone Works Ireland for the supply of equipment so if you haven't already purchased your drone then make sure to contact Damian at [www.droneworksireland.ie](http://www.droneworksireland.ie), Drone Works Ireland are a DJI Authorised Dealer here in Ireland and their aftercare and service is second to none.

### **Courses**

The following are the courses that we offer. The Open A2 can be signed up for directly through our website. This course is included as part of the Specific Category Certification. You should email us directly to book into the other courses. Dates for the courses are available on our website at [www.avtrain.aero](http://www.avtrain.aero)

#### **Open Category A2 Remote Pilot Competency Certificate training**

This course is designed for hobby and professional pilots to fly drones in the Open A2 category which allows for drones to be flown to 30m from an uninvolved person and down to 5m from an uninvolved person in a low speed mode if the drone has the appropriately Class Identification Marking (currently not available on the open market) – We comprehensively cover what you can and can't do if you are flying a "legacy" drone or a drone that does not have a Class identification marking. You can not fly in controlled airspace when operating in the Open A2 category and require a Specific Category Authorisation to get permission from Air Traffic Control.

Topics for study are technical and operational mitigations for ground risk regarding meteorology, UAS flight performance and technical and operational mitigations for ground risk. Once you complete the course you can choose to register to sit the exam and if you achieve a 75% pass mark you will receive a course completion certificate.

Once you have completed the Open A2 Course you can sit the 30 question MCQ and if you achieve 75% or more then you can attain your Remote Pilot Competency Course Completion Certificate. You must also register with the IAA ([Register Here](#)) and complete the A1/A3 Theoretical Knowledge examination and have your IAA Operator Number along with completing and declaring the self-practical the IAA will issue your A2 RPC.

#### **Specific Category Authorisations**

##### **Specific Category - Operational Authorisation & STS 01 Declaration Course for the grant of Specific Category Theoretical Knowledge Certificate**

This course covers the requirements for an Operational Authorisation in the Specific category. You will cover the principles and requirements for an Operational Authorisation and to operate under STS 01 or a SORA, and/or a National STS and/or one of the published PDRAs. Subjects are Air Safety, Aviation Regulations, Navigation, Human Performance Limitations, Operational Procedures, UAS General Knowledge and Meteorology. We will provide a draft operations manual for your organisation to complete and submit for approval and then you must complete a practical flight test with our examiner. The course is 2 days through Zoom and the practical assessments will take place at one of our 3 locations, either Bellewstown, Carrick on Shannon or at Future Mobility Campus Ireland beside Shannon Airport.

##### **Specific Category - STS 02 Declaration - Beyond Visual Line of Sight for the grant of a Specific Category STS 02 Theoretical Knowledge Certificate**

This course includes the Operational Authorisation and is an add on to the Specific Category Theoretical Knowledge Certificate for completing a risk assessment for Beyond Visual Line of Sight BVLOS operations under STS 02. However

## Training Quote

STS 02 will not be available until we have drones that have Class Identifiers for C5 or C6. So for now we only have a SORA methodology available to us.

### Specific Category Light Unmanned Aircraft System Operator Certificate (LUC) Authorisation

This is an organisational audit and approval which will be divided into Compliance Monitoring and Safety Management Systems along with operational procedures where each participant will have to complete the Specific Category Theoretical Knowledge training and the organisation will be assessed for regulatory compliance.

Should you have any questions or queries please do not hesitate to get in touch.

Kind Regards,  
Julie

**Julie Garland**  
CEO



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### Pricing Breakdown

These prices include all course materials, exams, flight tests and the only additional cost will be the fees payable directly to the IAA.

Item	Description	Quantity	Unit Cost	Total Cost
1	Open A2 Remote Pilot Certificate of Competence (RPC)	1	€149	€149
2	Specific Category Operational Authorisation (including RPC)	1	€650	€650
3	Optional practical Flight Training per day for up to 5 people	1	€500	€500
	*Educational Training Charged at 0%		Vat*	€0
	<b>Total for Specific Category Operational Authorisation including Open A2 RPC</b>			<b>€650</b>

## Course Structure

### 1 - 2 day classroom training 09:30-16:30 each day (ground school)

- This will give you an understanding of what is required in an Ops Manual & Flight Test
- Course syllabus as detailed above

### 2 - Ops Manual Development

- Carried out in students own time
- Avtrain provide Ops Manual training during course and Ops Manual template
- Typical time taken is 2-4 weeks after ground school

### 3 - Ops Manual Approved by Avtrain

- We provide feedback and suggestions on submitted manual

### 4 - Conduct Flight Test with Avtrain

- Typically 2-4 weeks after ground school - Depending on how quickly manual is approved and UAV flight experience and Covid restrictions
- Dates, times and location to be arranged with Avtrain
- Flight test is tailored towards your typical operations which will be outlined in your Ops manual

### 5 - Apply to IAA for Operational Authorisation with SORA/PDRA or National Standard Scenario

## Examiner Credentials

### **Julie Garland – Chief Pilot & Head of Training**

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Capt. Garland is a former Airline Training Captain, Aircraft Maintenance Engineer and Barrister at Law and prior to undertaking her role as CEO at Avtrain she was Director Compliance for Norwegian Air International. She is an Irish Aviation Authority (IAA) Authorised Examiner for all Drones up to 75kgs in the Helicopter, Multi Rotor and Fixed Wing Categories for the grant of Open and Specific Category Authorisations and founding Chair of the Unmanned Aircraft Association of Ireland. She heads up the team at Avtrain, an IAA Approved drone training school currently headquartered at Guinness Enterprise Centre and expanding globally.