

Small Unmanned Aircraft (SUA) Advanced Rating Training

Let's be a CAD certified pilot for SUA!



CONNECTION 裝備未來
 TECHNOLOGY
FUTURE SKILLS

In recent years, SUA technology becomes one of the FutureSkills required in the Industry 4.0 era. It is important to understand how to fly a drone safely and legally without endangering others. However, much of the public is not familiar with the drone regulations and restrictions.

Hong Kong Productivity Council is one of the Training Organisations working with Civil Aviation Department (CAD) on the SUA Advanced Rating Training Course. In this course, syllabus is based on the requirements of Advanced Rating Training from CAD. It assists participants in the early understanding of safety oversight requirements and applications for conducting advanced operations and enables graduates to apply for CAD Advanced Rating under the new legislation.

Date	6- 10 MAY 2024
Venue	<u>HKPC Building</u> : Theoretical Knowledge Instruction <u>OTG Venue</u> : Practical Flight Training
Medium	English materials with Cantonese instruction
Course fee	HK\$ 9,840 per person
Remarks	<ul style="list-style-type: none"> • Course fee includes training material, flight training, drone rental, administration and assessment fees • 2 hours flight log is required to be submitted for each participant • Participant with drone flying experience is recommended

Objectives

After attending theoretical knowledge training and practical flight training, participants need to pass the theoretical examination & practical assessment to prove the competence in operating SUA. Participants may

- ✓ Obtain knowledge of SUA operation and safety regulation in Hong Kong
- ✓ Obtain certificate issued by Hong Kong Productivity Council to apply for Advanced Rating from Civil Aviation Department (with minimum participation of 80% of total training hours, passed theoretical knowledge examination & practical assessment)

Course Schedule

Schedule	Duration	Content	Venue
Day 1 & 2	16 hours	Theoretical Knowledge Instruction	HKPC Building
Day 3	4 hours 2 hours	Theoretical Knowledge Instruction Theoretical Knowledge Examination	HKPC Building
Day 4	4 hours 4 hours	Practical Flight Training Practical Assessment	OTG Venue
Day 5	8 hours	Practical Assessment	OTG Venue

Course Content

Part 1: Rules and regulation

- ✓ Local and non-local SUA regulatory bodies
- ✓ Civil Aviation Ordinance and its sub-legislation with key focus on Cap. 488G
- ✓ CAD's SUA safety guidelines and requirement document

Part 2: Airspace

- ✓ Classification of airspace and restrictions for aircraft including SUA
- ✓ Restricted Flying Zones (RFZs) for SUA
- ✓ Other applicable airspace concerns

Part 3: Maps, units of measurement and navigation

- ✓ Use of maps and aviation charts
- ✓ Units of measurement
- ✓ Conversion of time system
- ✓ Principles of navigation and restrictions

Part 4: Aircraft general knowledge

- ✓ Principles of flight
- ✓ Essential systems and components of SUA
- ✓ Operational limitations
- ✓ Maintenance and battery management

Part 5: Meteorology

- ✓ Effects on SUA
- ✓ Obtaining and interpreting weather information
- ✓ Local weather assessments prior to SUA operations

Part 6 : Airmanship and human performance

- ✓ Flight safety
- ✓ Crew Resources Management (CRM)
- ✓ Documentation and record keeping
- ✓ Perception and illusion
- ✓ Medical fitness

Part 7 : Operations manual, flight planning and procedures

- ✓ Pre-planning
- ✓ Risk assessment and management
- ✓ Normal and emergency operating procedures
- ✓ Operations Manual (OM) and checklists
- ✓ Hazard and situational awareness
- ✓ Communication with Air Traffic Control and other airspace users
- ✓ Pre-flight, in-flight and post-flight procedures

*Course content is subject to change without further notice.

SUA Training Organisation (STO) Examiner

Mr Lyan LAW

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Certified Industrie 4.0 Expert & Industrie 4.0 Principal Advisor, Fraunhofer IPT Germany
Certified Drone Pilot – Commercial (CDP-C), UAV Academy, UK
Certificate of Competence in Remote Pilot – Theoretical Knowledge/General Airmanship Syllabus, UAC Academy, UK
Certificate of Practical Flight Assessment, UAV Academy, UK

SUA Training Organisation (STO) Trainers

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Certificate of Practical Flight Assessment, UAV Academy, UK
Agricultural Drone Operator Licence – XAG

Mr Burse TSE

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Certified Drone Pilot – Commercial UAS Training – Level 1, Aerial Photography (Basic) & UAS Inspection, Enterprise Drone Essentials, DJI Academy Hong Kong
Certified Drone Pilot – Remote Pilot License (RePL), up to 25kg, FPV Australia, Civil Aviation Safety Authority, Australia
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Enrolment Method

1. Scan the QR Code to complete the enrolment and payment online OR
2. Mail the crossed cheque with payee name "Hong Kong Productivity Council" (in HK dollar) to HKPC Academy, Hong Kong Productivity Council, 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon (attention to Mr. Simon Liu).
Please indicate the course name and course code on the envelope.



[Enrolment link](#)