Organiser
hkpc® Academy 生產力學院

Co-organiser
OTG OnTheGo Limited 創動樂有限公司

Supporting Organisation
Civil Aviation Department
The Government of the Hong Kong Special Administrative Region

Small Unmanned Aircraft (SUA) Advanced Rating Training
Let's be a CAD certified pilot for SUA!

FUTURESKILLS
CONNECTION TECHNOLOGY 裝備未來

Course Fee: HK$9,840   (May apply up to HK$6,560 subsidy)
*Maximum saving, with the final grant subjects to approval.

RTTP Approved

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 pilot scheme of SUA Advanced Rating Training Course. In this course, syllabus is based on the requirements of Advanced Rating Training from CAD. Pilot Scheme 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 and time	3 – 4, 7, 9 – 10 Nov 2022 09:00 - 18:00
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	• 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)

<u>**RTTP Training Grant Application**</u>
Companies should submit their RTTP training grant application for their employee(s) via https://rttp.vtc.edu.hk/rttp/login at least two weeks before course commencement. Alternatively, application form could be submitted by email to rttp@vtc.edu.hk along with supporting documents.

This course is subject to approval under the Reindustrialisation and Technology Training Programme(RTTP) with up to 2/3 course fee reimbursement upon successful applications. For details: https://rttp.vtc.edu.hk.

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

Programme Manager, SUA Training Organisation
Head, Industry 4.0 and Industrial Drone Solution, Greater Bay Area Business Development Division
Digital@HKPC & Reindustrialisation Center Manager, Hong Kong Productivity Council
Hong Kong Industrial Drone Technology Center Manager, Hong Kong Productivity Council
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

Mr Dennis WONG

Head of Instructors & Practical Assessors, SUA Training Organisation
Senior Consultant, Industrial Drone Solution, Greater Bay Area Business Development Division, Hong Kong Productivity Council
Hong Kong Industrial Drone Technology Center Certified Pilot, Hong Kong Productivity Council
Head of Drone Pilot Instructor, Hong Kong Productivity Council
Certified Drone Pilot - Commercial (CDP-C), UAV Academy, UK
Certificate of Competence in Remote Pilot - Theoretical Knowledge/General Airmanship Syllabus, UAV Academy, UK
Certificate of Practical Flight Assessment, UAV Academy, UK
Agricultural Drone Operator Licence – XAG

Mr Danny SUEN

Technical Officer, Industrial Drone Solution, Greater Bay Area Business Development Division, Hong Kong Productivity Council
Certificate of Recognition in Small Unmanned Aircraft Advanced Rating Theoretical Knowledge, Hong Kong Civil Aviation Department
Certificate of Recognition in Small Unmanned Aircraft Advanced Rating Practical Assessment, Hong Kong Civil Aviation Department
Agricultural Drone Operator Licence – XAG
Diploma in Vocational Studies – Aircraft Maintenance

Mr Burse TSE

Lead Instructor & Practical Assessor, OTG OnTheGo Limited
Examiner and Instructor, DJI Academy UTC Hong Kong
Certified Drone Pilot – Remote Pilot License (RePL), up to 25Kg, Australia
Certified Drone Pilot – DJI Academy, Inspection and Aerial Shooting
Chief Consultant of CUEA, Taiwan (中華無人機教育發展交流協會)

Mr Wilson LAU

Director & Instructor, OTG OnTheGo Limited
Instructor, DJI Academy UTC Hong Kong
Examiner and Senior Instructor, FPV Australia
Certified Drone Pilot – Remote Pilot License (RePL), up to 25Kg, Civil Aviation Safety Authority, Australia
Certified Drone Pilot – Part 107 Remote Pilot, Federal Aviation Administration
Certified Drone Pilot – DJI Academy UTC Pilot Level 1

Mr Ricardo KWONG

Project Manager & Senior Instructor, OTG OnTheGo Limited
Certified Drone Pilot – Remote Pilot License (RePL), up to 7KG, Civil Aviation Safety Authority, Australia

SUA Training Organisation (STO) Trainers

Mr Welcome CHAN
Technical Officer & Senior Instructor, OTG OnTheGo Limited
Examiner and Instructor, FPV Australia
Certified Drone Pilot – Remote Pilot License (RePL), up to 25Kg, Civil Aviation Safety Authority, Australia
Certified Drone Pilot – DJI Academy, Inspection and Aerial Shooting

Mr Ricky LEUNG
Instructor, OTG OnTheGo Limited
Instructor, DJI Academy UTC Hong Kong
Instructor, FPV Australia
Certified Drone Pilot – Remote Pilot License (RePL), up to 7kg, Civil Aviation Safety Authority, Australia
Certified Drone Pilot – Unmanned Aircraft Operator Certificate Commercial

Mr Sam YU
Product Manager & Instructor, OTG OnTheGo Limited
Certified Drone Pilot – UTC Aerial Photography Essentials
QYSEA – Underwater Drone Trainer

Mr Patrick FONG
Instructor, OTG OnTheGo Limited
Instructor, DJI Academy UTC Hong Kong
Certified Drone Pilot – UTC UAV Pilot Training Level 1

Mr Max LAM
Project Officer, OTG OnTheGo Limited
Instructor, DJI Academy UTC Hong Kong
Certified Drone Pilot – Remote Pilot License (RePL), up to 7kg, Civil Aviation Safety Authority, Australia

Enrolment method

Please mail all the following items to 5/F, HKPC Building, 78 Tat Chee Avenue, Kowloon (attention to Ms Kitty CHOW).
Please indicate the course name on the back of the cheque and envelope.

- The crossed cheque with payee name "Hong Kong Productivity Council" (in HK dollar).
- Enrolment form (Download here)