

Ultra-Light Vehicles Regulations

Article 35, Attachment 10 (2020/04/27 Amended)

Article 1

These regulations are enacted pursuant to the provisions of Article 99-1, paragraph three of the Civil Aviation Act of the Republic of China (hereinafter referred to as the “**Act**”).

Article 2

To apply for the establishment of an activity association for ultra-light vehicle (hereinafter referred to as the “**Activity Association**”), the promoter shall submit the following documents and pay the reviewing fees to the Civil Aeronautics Administration of the Ministry of Transportation and Communications (hereinafter referred to as “**CAA**”) for the operation permit:

1. Application Form (Attachment 1);
2. Draft bylaws;
3. List of promoters (with copy of each promoter’s identity document);
4. Explanatory notes for source of basic equipment;
5. List of specialists.

Within six months after obtaining the operation permit, the promoters shall register the association as a legal entity for community group under the laws and submit the documents as listed below to the CAA for records. The CAA may revoke the operation permit if the registration of legal entity is not completed within the prescribed period of time.

1. Copies of the approval documents, registration record and organization signs/logos issued by relevant authority regulating legal entity for community group;
2. Copy of the registration certificate of legal entity for community group;
3. Bylaws;
4. List of directors, supervisors and officers of the Activity Association;
5. Member list.

Article 3

After legally registered, the Activity Association shall prepare an activities guideline, which shall include the following:

1. List of specialists and their qualifications;

2. List of basic equipment;
3. Applications for manufacturing, importation, registration, inspection, issuing certification and changing (reissuing) certificate for ultra- light vehicle;
4. Applications for issuing and changing (reissuing) operating license for ultra-light vehicle;
5. Plan of requirement, arrangement, and application for places of activities;
6. Scope, limitation, execution of activities in airspace, safety and management of airspace;
7. Notification and handling of flight safety-related event, and the responsibilities of related personnel therein;
8. Rules governing filling of flight log book and maintenance records with the forms thereof;
9. The training program and test standards for the applications of the types of operation permits; the training program shall include the operation and maintenance of the vehicle;
10. Procedures for proactive reporting to CAA with respect to the undiscovered violation under paragraph 1, Article 119-1.1 of the Act.

Activity Associations shall submit the activity function guide to the CAA for approval and shall commence activities only after the specialists set out in paragraph 1 herein and the basic equipment set out in paragraph 2 are in place.

Article 4

The importation of ultra-light vehicles shall be subject to CAA's approval, for which the applicant shall submit the following documents (in duplicate) and reviewing fees through the relevant activity association to CAA for review:

1. Vehicle utilization plan, including the original flight manual, ultra-light vehicle specification and its use, operator training manual and activity zone;
2. Original manufacturer's assembling or maintenance manual;
3. Maintenance plan, including maintenance personnel, training program and maintenance capability;
4. Manufacturer's compatible certificate or certificate(s) issued by the civil aviation authority of the manufacturer's jurisdiction; provided, however, that this requirement may be exempted if any of the following conditions is met:
 - (1) The website of the manufacturer provides the relevant compatible certificate;
 - (2) The website of the civil aviation authority of the manufacturer's jurisdiction provides the relevant certificate; or

- (3) The inspection certificate has been issued by CAA with respect to the same model of ultra-light vehicle.

In the event that the imported ultra-light vehicle has any of the following incidents before the relevant inspection certificate is issued, the applicant or owner of such ultra-light vehicle shall submit the relevant documents through the relevant Activity Association to CAA for records after the incident(s):

- (1) Ownership is transferred;
- (2) The relevant ultra-light vehicle has been exported;
- (3) The ultra-light vehicle is missing, damaged beyond repair, dismantled or abandoned.

The Activity Association shall record the incidents in the first two preceding paragraphs and fill in a log book, which shall be submitted to CAA for records every three months.

Article 5

Owners of the ultra-light vehicle (each, an “**Owner**”) and operators of the ultra-light vehicle (each, an “**Operator**”) shall be responsible for flight safety, keep the ultra-light vehicle in serviceable condition, and perform safe flight operation.

Article 6

The Owner shall submit copies of registration numbers, signs/ logo and certificate of liability insurance in compliance with Article 30 as well as reviewing fees to CAA, or to CAA’s designated Activity Association or professional agency, for registration.

The Owner shall apply to CAA, or to CAA’s designated Activity Association or professional agency, for de-registration of the ultra-light vehicle upon any of the following:

- (1) Disappearance;
- (2) Damage beyond repair;
- (3) Ultra-light vehicle being scrapped;
- (4) Permanent termination of use;
- (5) Change of ownership;
- (6) Change of Activity Association.

Article 7

According to the design features, ultra-light vehicles are classified, as described in Attachment 2 hereto, into the following categories: fixed-wing airplanes, powered paragliders, gyroplanes, powered parachutes and powered delta-wing.

Article 8

The Owner shall submit the following documents and reviewing fees through his/her/its affiliated Activity Association to CAA, or to CAA's designated Activity Association or professional agency, for inspection of his/her/its ultra-light vehicle:

1. Flight manual;
2. Assembly or maintenance manual and maintenance plan;
3. Manufacturer's compatible certificate or certificate(s) issued by the civil aviation authority of the manufacturer's jurisdiction; provided, however, that this requirement may be exempted if any of the following conditions is met:
 - (1) The website of the manufacturer provides the relevant compatible certificate;
 - (2) The website of the civil aviation authority of the manufacturer's jurisdiction provides the relevant certificate; or
 - (3) The inspection certificate has been issued by CAA with respect to the same model of ultra-light vehicle.

For the first inspection of the ultra-light vehicle hereunder, the Owner shall, within 30 days after the completion of ground inspection by CAA or CAA's designated Activity Association or professional agency, apply to CAA through his/her/its affiliated Activity Association with the ground inspection record for the issuance of the temporary inspection certificate in order for the functional flight tests to proceed. Article 12 hereunder shall apply after the completion of functional flight tests and inspection.

The Owner of the ultra-light-vehicle without applicable flight manual, assembly or maintenance manual shall, within 30 days after the completion of ground inspection by CAA or CAA's designated Activity Association or professional agency, apply through his/her/its affiliated Activity Association to CAA for the issuance of the temporary inspection certificate. Upon application herein, the Owner shall submit the ground inspection record, the flight manual based on CAA's Ultra-light Vehicles Flight Test Procedures and assembling or maintenance manual, the content of which shall be sufficient to ensure appropriate operation and maintenance of the ultra-light vehicle and its safety. Article 12 hereunder shall apply after the completion of functional flight tests and inspection.

Article 9

Activity Association or professional agency shall only be eligible for engagement by CAA and for carrying out the inspection pursuant to CAA's Ultra-light Vehicle Inspection Procedures with any of the following qualifications:

1. Activity Association with capabilities to carry out inspection on ultra-light vehicles;
2. Aviation or its related businesses with engineering, quality assurance, testing and inspection capabilities approved on records by domestic or foreign authority;
3. CAA-approved aircraft repair station.

Article 10

The inspector who has not been subject to disciplinary action for violation of the Act for the last two years may only carry inspection on the ultra-light vehicle after obtaining the certificate of authorized ultra-light vehicle inspector (hereinafter “**Authorized Inspector Certificate**”, particulars contained therein are set out in Attachment 3 hereto) from CAA, which shall be applied for by filing to CAA with the following documents:

1. Documents showing the minimum of 5 years’ experience in aircraft maintenance/inspection as acknowledged by CAA;
2. Documents relating to training relevant to the ultra-light vehicle inspection with corresponding records;
3. Documentary proof of knowledge of relevant civil aviation law and regulations, inspection standards and procedures, and participation in the academic training workshop for Authorized Inspector Certificate.

Holders of the Authorized Inspector Certificate shall, during the valid period thereof, attend the academic training furnished to such holders and obtain certification document evidencing completion of the training.

The Authorized Inspector Certificate is valid for two years. Holders thereof shall apply to CAA for renewal within 30 days prior to expiration date of the Authorized Inspector Certificate through an Activity Association/professional agency by submitting a copy of their respective Authorized Inspection Certificate in force and the latest academic training certificate. If the Authorized Inspection Certificate has expired, or when the holder thereof is no longer employed by the Activity Association/professional agency, the Activity Association/professional agency shall retrieve the Authorized Inspection Certificate and submit it to CAA for cancellation. In the event that the Authorized Inspection Certificate cannot be retrieved, CAA may revoke the Authorized Inspection Certificate directly. When the Authorized Inspection Certificate is lost or damaged, the holder shall apply to CAA for the re-issuance or replacement of the Authorized Inspection Certificate through his/her Activity Association with an explanation of the loss or damage.

Article 11

CAA may terminate the engagement of the Activity Association/professional agency if it fails to meet the conditions as set out in Article 9 hereof. CAA may also revoke and cancel the Authorized Inspector Certificate if the holder is negligent in the course of the inspection or produces false inspection results. Activity Association/professional agency may also file to CAA for revocation or cancellation of the Authorized Inspector Certificate.

Article 12

CAA will issue the Ultra-light Vehicle Approval Certificate (hereinafter referred to as the “**ULV Approval Certificate**”, as set out in Attachment 4 hereto) after the ultra-light vehicle

passes the inspection by CAA or its designated Activity Association/professional agency and after CAA reviews and approves the inspection records.

The ULV Approval Certificate and the renewed ULV Approval Certificate issued pursuant to Article 13.1 herein are valid for 3 year for ultra-light vehicles less than 3 years old, and for 2 years for ultra-light vehicles over 3 years old, respectively. CAA may remark on the expiration dates and limitations on operations and utilization in the ULV Approval Certificate.

The designated Activity Association/professional agency shall file the inspection records to CAA within 15 days after each inspection.

In the event that ultra-light vehicle has been missing, damaged beyond repair, scrapped or permanently grounded, Owner shall surrender the underlying ULV Approval Certificate and apply to CAA or its designated Activity Association/professional agency for cancellation of such ULV Approval Certificate.

Article 13

Owners of ultra-light vehicles shall apply for renewal of the ULV Approval Certificate between 30 days and 60 days prior to its expiration with following documents to CAA through its affiliated Activity Association:

1. A copy of the valid ULV Approval Certificate;
2. The inspection records with respect to the ultra-light vehicle issued after such ultra-light vehicle had passed the inspection by CAA or its designated Activity Association/professional agency.

If the ultra-light vehicle has been modified, gone through airframe or engine replacement as a result of damages, or been retrieved after theft or disappearance, the Owner shall apply for re-issuance of ULV Approval Certificate with following documents to CAA through its affiliated Activity Association:

1. A Copy of last ULV Approval Certificate;
2. The inspection records with respect to the ultra-light vehicle issued after such ultra-light vehicle had passed the inspection by CAA or its designated Activity Association/professional agency.

The CAA or its designated Activity Association/professional agency shall complete the inspection within 30 days of application, and if demand for supplementary document(s) is given, a 30-day extension may apply from the date of notice of such demand.

In the event that application for renewal of the ULV Approval Certificate is not filed during its valid period, the Owner shall apply for inspection of the ultra-light vehicle according to Article 8 herein.

Article 14

When CAA or its designated Activity Association/professional agency performs the inspection pursuant to the two preceding articles, it may ask the Owner to be present for questioning and to provide necessary assistance during the inspection. Where the Owner is unable to be present, he/she/it may appoint other individuals to attend.

Article 15

When any of the particulars in the on the ULV Approval Certificate change, the Owner shall apply to CAA for re-issuance of the ULV Approval Certificate within 15 days after such change takes place with the original ULV Approval Certificate through his/her/its affiliated Activity Association.

When the ULV Approval Certificate is lost or damaged, the Owner shall apply to CAA for the re-issuance or replacement of the ULV Approval Certificate through his/her/its Activity Association with an explanation of the loss or damage.

Article 16

The Owner or Operator shall carry out the check and maintenance works and sign the check and maintenance records in accordance with ultra-light vehicle's assembling manual or maintenance manual. Annual or 100-hour maintenance inspections shall be performed, signed and recorded by the authorized inspector of the Activity Association to comply with the flight safety conditions.

The inspector authorized by the Activity Association shall meet the following requirements in order to carry out the maintenance inspections:

1. Familiarity with applicable CAA regulations;
2. Capability to comprehend and read ultra-light vehicle's assembling or maintenance manual;
3. At least 5 years maintenance and inspection experiences for the specific type of ultra-light vehicles, or holding valid ground mechanic certificate or aircraft engineer certificate issued by CAA, or holding training certificate with respect to the specific type of ultra-light vehicle issued by the domestic or foreign professional institutions.

The Owner shall keep all inspection and maintenance/repair records of the ultra-light vehicle for two years after the underlying ultra-light vehicle is missing, damaged beyond repair, scrapped or permanently grounded. In the event of transfer of ownership of the ultra-light vehicle, all records pertaining to the ultra-light vehicle shall be passed to the buyer accordingly.

Article 17

Operation of ultra-light vehicle is prohibited without the ultra-light vehicle operating Permit (hereinafter “**Operating Permit**”).

Article 17-1

People over the age of 15 who join the Activity Association as member may board on the ultra-light vehicle operated by the instructor of the affiliated Activity Association, but shall not operate the ultra-light vehicle.

Before the above ultra-light vehicle activity begins, the Activity Association and its instructor shall provide all the documents relating to the circumstances unsuitable to the passengers, safety limitations and insurance coverage, which shall be explained by the instructor and signed by the member passenger; where the member passenger is a minor, the legal representative shall co-sign the above documents.

Article 18

The Operating Permits are classified into the following:

1. Learning Operating Permit: The holder of the Learning Operation Permit can operate the ultra-light vehicle of the authorized type under the direct supervision of instructor;
2. General Operating Permit: The holder of the General Operating Permit can operate the ultra-light vehicle of the authorized type individually;
3. Instructor Operating Permit: The holder of the Instructor Operating Permit can act as an instructor of the ultra-light vehicle of the authorized type.

Article 19

New applicant for Learning Operating Permit, or applicant for Learning Operating Permit for a different type of ultra-light vehicle shall be at least 18 years of age, and shall submit the following documents to CAA through his/her affiliated Activity Association, and may learn to operate the underlying ultra-light vehicle under the supervision of the instructor only after obtaining the Learning Operating Permit (particulars as set in Attachment 5 hereto):

1. Application Form (Attachment 6), together with two 1×1 inch color ID photos, which have been taken without hat within the preceding six months;
2. A medical certificate that meets the requirements of "General Automotive Physical Standard" issued by the medical institution or teaching hospital as designated by the motor vehicle authority, or a valid CAA Medical Certificate.

Article 20

The applicant for General Operating Permit shall be at least 20 years of age, and shall submit the following documents to CAA through his/her affiliated Activity Association, and may operate the underlying ultra-light vehicle individually only after obtaining the General Operating Permit:

1. Application Form together with two 1×1 inch color ID photos, which have been taken without hat within the preceding six months;
2. A medical certificate that meets the requirements of "General Automotive Physical

Standard" issued by the medical institution or teaching hospital as designated by the motor vehicle authority, or a valid CAA Medical Certificate before the test takes place;

3. Completion of either one of the following logbooks with flight training hours of the relevant type of ultra-light vehicles:
 - (1) Fixed-wing airplanes, powered para-gliders, gyroplanes or powered delta-wing: The minimum flight training hours shall be 20 hours;
 - (2) Powered parachutes: The minimum flight training hours shall be 10 hours.
4. Training records and documentary proof of the applicant having passed the written and the practical tests given by CAA or its designated Activity Association/professional agency;
5. Copy of the inspection certificate pertaining to the ultra-light vehicle operated by the applicant.

The applicant who submits relevant documentary proof of completion of flight training hours with respect to the ultra-light vehicle, ground and flight training of the aircraft and flight hour records which have been confirmed by the Activity Association may be exempted from the minimum flight training hours requirement as set out in paragraph 3 above; provided, however, that the flight training time shall not be less than 5 hours, if the applicant applies for the Operating Permit for the same type of ultra-light vehicle.

Article 21

The applicant for Instructor Operating Permit shall submit the following documents to CAA through his/her affiliated Activity Association, and may act as an instructor only after obtaining the Instructor Operating Permit:

1. Copy of the valid General Operating Permit;
2. Application Form together with two 1×1 inch color ID photos, which have been taken without hat within the preceding six months;
3. A medical certificate that meets the requirements of "General Automotive Physical Standard" issued by the medical institution or teaching hospital as designated by the motor vehicle authority, or a valid CAA Medical Certificate before the test takes place;
4. Documentary proof certifying completion of ultra-light vehicle training covering knowledge of CAA regulations, technical skills and operating techniques with respect to the ultra-light vehicle;
5. Documentary proof certifying a minimum of 150 flight hours for the type of ultra-light vehicle or minimum of 500 flight hours in total for aircraft, and a minimum of 5 flight training hours for the underlying ultra-light vehicle.
6. No penalty for violation of Article 119-1 of the Act within the preceding 2 years from

the date of application;

7. Documentary proof of completion of certified instructor training by the Activity Association/professional agency;
8. Documentary proof of passing the written and practical tests given by CAA or its designated Activity Association/professional agency.

Holders of the Instructor Operating Permit shall attend the training workshop for the ultra-light vehicle during the valid period of the Instructor Operating Permit and obtain certificate of attendance.

Article 22

The Operating Permit shall be valid for 2 years; the holder of the Operating Permit shall carry the Operating Permit at all times when operating the ultra-light vehicle, and shall operate the ultra-light vehicle according to the particular set out in the Operating Permit.

The holder of the Operating Permit shall apply to CAA for renewal of the Operating Permit within 90 days before the expiration thereof through the affiliated Activity Association with the following documents:

1. A copy of the Operating Permit;
2. Report of passing the practical test;
3. Medical certificate in compliance with Article 19.2 herein;
4. For the holder of Instructor Operating Permit, the latest certificate of attendance of training workshop for the ultra-light vehicle.

The Operating Permit renewed pursuant to this Article shall be valid from the date succeeding the expiration date of the original Operating Permit.

The holder of Operating Permit who fails to renew during the valid period of the Operating Permit and the Operating Permit has not expired for over 12 months may submit the document as set out in paragraph 2 herein to renew the Operating Permit, which shall be valid from the issuance date; in the event that the Operating Permit has expired for over 12 months, holder of the Operating Permit shall renew the Operating Permit only after passing both the written and practical tests.

When the Operating Permit is lost or damaged, the holder shall apply to CAA for the re-issuance or replacement of the Operating Permit through his/her Activity Association with an explanation of the loss or damage.

Article 23

Where addition of particulars to the Operating Permit is required, the holder shall apply to CAA for the re-issuance the Operating Permit through his/her Activity Association with the following documents:

1. A copy of the original Operating Permit;
2. Documentary proof of completion of the training by the Activity Association/professional agency;
3. Documentary proof of the holder passing the written and practical tests pertaining to the additional particulars given by CAA or its designated Activity Association/professional agency;
4. A copy of the inspection certificate with respect to the ultra-light vehicle relating to the additional particulars.

Article 24

The Activity Association/professional agency may only be engaged by CAA to carry out the examination if it has any of the following qualifications, and its staff is certified by CAA:

1. An Activity Association that is certified by CAA as being capable of examining ultra-light vehicles;
2. A civil aviation training agency that is certified by CAA.

The Activity Associations/professional agency that is engaged by CAA to carry out the examination shall determine and submit to CAA the examination items and rules of recordation, and carry out the examination according to such examination items and rules of recordation after they are approved by the CAA. All examination results shall be recorded and submitted to CAA for records.

Article 25

An Operator who has not violated Article 119-1 of the Act for the past two years may apply to CAA for the issuance of ultra-light vehicle examiner certificate (hereinafter “**Examiner Certificate**”, particulars set out in Attachment 7 hereto) through his/her affiliated Activity Association/professional agency with the following documents, and may carry out examination work only after the Examiner Certificate is obtained:

1. Documentary proof of a minimum of 1000 flight hours for the aircraft, or of a minimum of 500 flight hours for aircraft with the private pilot license (or higher) issued by CAA or foreign aviation authority;
2. Documentary proof certifying completion of ultra-light vehicle training covering knowledge of CAA regulations, technical skills and operating techniques with respect to the ultra-light vehicle;

Holders of the Examiner Certificate shall attend the training workshop for the ultra-light vehicle during the valid period of the Examiner Certificate and obtain certificate of attendance.

Examiner Certificate shall be valid for two years. Holders may apply to CAA for renewal of the Examiner Certificate within 30 days before the expiration thereof through his/her affiliated Activities Association/professional agency with a copy of the original examiner certificate and the certificate of attendance of the training workshop for the ultra-light vehicle. When the holder of the Examiner Certificate is no longer employed by the Activity Association/professional agency, the Activity Association/professional agency shall retrieve the Examiner Certificate and submit it to CAA for cancellation. In the event that the Examiner Certificate cannot be retrieved, CAA may revoke the Examiner Certificate directly. When the Examiner Certificate is lost or damaged, the holder shall apply to CAA for the re-issuance or replacement of the Examiner Certificate through his/her Activity Association with an explanation of the loss or damage.

Article 26

In the event that the Activities Association/professional agency engaged by CAA to carry out the examination fails to meet the requirements as set out in Article 25.1 herein, CAA may terminate the engagement accordingly; where the examiner of the Activities Association/professional agency is negligent in the course of examination, produces false examination results, or violates Article 119.1 of the Act, CAA may revoke and cancel the Examiner Certificate. Activity Association/professional agency may also file to CAA for revocation or cancellation of the Examiner Certificate.

Article 27

The Operator shall operate the ultra-light vehicle with visuals, and is prohibited from the following:

1. Flight activities outside the predetermined airspace, except for emergencies;
2. Operating ultra-light vehicle with blood alcohol concentration over 0.02%, or breathalyzer test over 0.1 mg/L;
3. Flight activities between dusk and dawn;
4. Operation endangering any person or object;
5. Flight activities at unapproved location.

Operators shall maintain vigilance so as to see and avoid other aircraft, ultra-light vehicles or obstacles from collision. Ultra-light vehicles shall be operated in the following manners to avoid collision:

1. Approaching head-on: When two ultra-light vehicles or one ultra-light vehicle and another aircraft approach each other head-on or close to head-on with hazard of collision, each shall alter its heading to the right.
2. Converging: When a ultra-light vehicle is approached from the right hand side by another ultra-light vehicle or aircraft at approximately the same altitude, the ultra-light vehicle shall give way and avoid passing over, under or in front of the approaching ultra-

light vehicle or aircraft, unless safe segregation is obtained taking account the effect of aircraft wake turbulence.

3. Overtaking: When an ultra-light vehicle overtakes another ultra-light vehicle or aircraft from the rear, the overtaken ultra-light vehicle or aircraft shall have the right of way. The overtaking ultra-light vehicle, whether in the climbing or descending move or in horizontal flight, shall give way by altering its heading to the right. Before the overtaking is complete with sufficient space of segregation, and regardless of how the two ultra-light vehicles or the ultra-light vehicle and the aircraft change their relative positions, the overtaking ultra-light vehicle shall be obligated to give way.
4. Ultra-light vehicles shall yield the right-of-way to unpowered aircrafts.

The flight records of the Operators shall be kept for a minimum of 2 years by the Activity Association.

Article 27-1

Activity Association shall enquire the air traffic control designated by CAA on the relevant NOTAM before the flight activity. Activity Association may not engage in any flight activity when the activity airspace is shut down as announced on the NOTAM.

Article 28

The activity airspace of ultra-light vehicle will be determined by the MOTC in coordination with the Ministry of Defense, which shall be announced by CAA. Activity Association may apply to CAA with the following documents (in duplicate) and reviewing fees for permission to use the activity airspace which, if given, shall be marked or indicated with landmarks by Activity Association for identification by the Operator:

1. Planned use of airspace and its coordinates (Using WGS84 system);
2. Planned use of airspace and its altitude;
3. Planned use of airspace and its geographic locations.

If more than one Activity Association obtains permission to operate in the same airspace at the same time, the Activity Associations shall enter into an agreement for the use of such airspace, and include the agreement into the activities guidelines.

In the event that the Activity Association plans to hold a temporary International or domestic ultra-light vehicle event where the airspace has not been delineated, it shall apply to MOTC via CAA for delineating the temporary airspace in coordination with the Ministry of Defense 3 months prior to the event.

Article 29

For adequate management of ultra-light vehicle operations, Activity Associations are required to have the real-time positioning management mechanism for locating the ultra-light vehicles to ensure airspace safety.

The real-time positioning management mechanism as set out above shall be submitted to CAA for approval prior to its implementation.

Article 30

Owners are required to maintain the following liability insurance coverage for the operation of ultra-light vehicles:

1. Damages for the death: No less than three million New Taiwan Dollars (NT\$3,000,000);
2. Damages for serious injury: No less than one million five hundred thousand New Taiwan Dollars (NT\$1,500,000); and
3. Damages other than death or serious injury: actual damages incurred, but no more than one million five hundred thousand New Taiwan Dollars (NT\$1,500,000).

Article 31

The Activity Associations shall apply to CAA for permission to use the activity airspace with the following documents (five duplicates) and reviewing fees, and may only use the activity airspace after the application is reviewed and approved in coordination with other relevant authorities:

1. Activity proposal: it shall include the name of the activity area, location, purpose, functions, facility layout, safety maintenance plan, airspace boundaries and types of ultra-light vehicles.
2. Documentary proof of lease of land or consent to use land; provided, however, that it is not required if the applicant is the owner of the land.
3. Copies of the cadastral map and land register issued within 3 months prior to the application to CAA, with the relevant area being highlighted.
4. If environmental impact assessment is necessary, environmental impact report or assessment report shall be submitted.

The activity airspace shall be in line with the regulations governing urban planning and non-urban land administration and Attachment 7 hereto.

CAA may regularly or randomly inspect the activity airspace. The Activity Association shall suspend all flight activities at the activity airspace immediately upon any of the following, and failure to rectify within 6 months after CAA's notice may cause the permission herein to be revoked:

1. Change of ownership of the activity area so that the Activity Association cannot obtain the documentary proof of lawful use of the activity area;

2. Change of activity airspace clearance area is not in compliance with the regulations set out in Attachment 8 hereto, which may have an impact on the flight safety;
3. Activity area is used for other purpose than that applied for, or cannot be used for taking-off or landing by ultra-light vehicles.

Article 32

For demonstration activities or competitions, the Activity Association shall prepare activity plans or competition rules and submit them to CAA for records at least 30 days prior to such demonstration activities or competitions.

Article 33

The fees of the Activity Association/professional agency shall be determined by the Activity Association/professional agency submitted to CAA for records.

Article 34

Application fees for certificates and permits and reviewing fees in connection with the applications hereunder are set out in Attachment 9 hereto.

Article 35

Upon the occurrence of the flight incident involving ultra-light vehicle, its Owner, Operator, Activity Association and relevant authorities keep the site intact and shall assist in and coordinate for the investigation, except where rescue and fire extinguishing is necessary, and shall notify [Transportation Safety Board \(“TSB”\)](#) and CAA within two hours after becoming aware of the incident, in the form as set in Attachment 10 hereto. The Owner, Operator and Activity Association shall submit a report on the handling of the aftermath and corrective measures to CAA for records within 30 days of the incident.

Where flight incident involving ultra-light vehicle is suspected to have occurred, its Owner, Operator, Activity Association and relevant authorities keep the site intact and shall assist in and coordinate for the investigation, except where rescue and fire extinguishing is necessary, and shall notify ASC and CAA within 24 hours after becoming aware of the incident, in the form as set in Attachment 10 hereto. The Owner, Operator and Activity Association shall submit a report on the handling of the aftermath and corrective measures to CAA for records within 30 days of the incident.

Article 36

Manufacturers of ultra-light vehicles shall manufacture ultra-light vehicles in accordance with the design and production standards adopted by CAA pursuant to Article 99-1.4 of the Act.

Article 37

Manufacturers of ultra-light vehicles shall apply to CAA for approval with the following documents, and may be engaged in the design, production and flight test of the ultra-light vehicles only after the application is approved:

1. Copy of the factory registration certificate;
2. Design manual;
3. Manufacturing manual;
4. Flight test manual.

The design manual shall including the following:

1. Procedures adopted for design standards;
2. Procedures for verifying compliance with design standards.

The manufacturing manual shall include the following:

1. Organization structure of the manufacturer, and the duties of each department;
2. Explanation of management of documents relating to manufacturing of parts and components and guidelines;
3. Procedures for inspecting product compliance;
4. Handling procedures for noncompliant items;
5. Recordation procedures.

The flight test manual shall include the following:

1. The utilization plan, coordination and application for flight test activity zone;
2. Application and safety/management procedures for airspace;
3. Preparation of flight test plan and reviewing procedures;
4. Procedures for temporary numbering and inspection for test-flying ultra-light vehicles;
5. Qualification of inspectors of the manufacturer and operators of test flight;
6. Notification and handling of flight incidents.

The flight test activity zone shall meet the requirements as set in Articles 31.2 hereunder.

The manufacturer shall not carry out flight test activities involving ultra-light vehicles without the flight test manual being approved by CAA and without complying with relevant restrictions.

Article 38

The manufacturer of the ultra-light vehicle shall provide the necessary manuals and documents required for the Owner to apply the inspection, and shall be responsible for providing continuing information of safety and maintenance.

Article 39

Activity Associations shall submit the following documents every three months to CAA for records:

1. List of all ultra-light vehicles (including valid period and coverage of liability insurance), and copies of each inspection and maintenance record;
2. Member list;
3. Takeoff and landing records with respect to each activity area.

Article 40

Activity Association approved by the relevant authority regulating legal entity for community group established before the implementation of these Regulations shall submit the following documents to CAA for permission after the registration of legal entity for community group is completed:

1. Copies of the approval documents, registration record and organization signs/logos issued by relevant authority regulating legal entity for community group;
2. Copy of the registration certificate of legal entity for community group;
3. Bylaws;
4. List of directors, supervisors and officers of the Activity Association;
5. Member list;
6. Explanation of source of basic equipment;
7. List of specialists.

Activity Association approved by CAA shall prepare an activity guideline, which shall include the following documents:

1. List of specialists and their qualifications;
2. List of basic equipment;
3. Applications for manufacturing, importation, registration, inspection, issuing certification and changing (reissuing) certificate for ultra- light vehicle;
4. Applications for issuing and changing (reissuing) operating license for ultra-light vehicle;
5. Plan of requirement, arrangement, and application for places of activities;

6. Scope, limitation, execution of activities in airspace, safety and management of airspace;
7. Notification and handling of flight safety-related event, and the responsibilities of related personnel therein;
8. Rules governing filling of flight log book and maintenance records with the forms thereof;
9. The training program and test standards for the applications of the types of operation permits; the training program shall include the operation and maintenance of the vehicle;
10. Procedures for proactive reporting to CAA with respect to the undiscovered violation under paragraph 1, Article 119-1.1 of the Act.

Activity Associations shall submit the activity function guide to the CAA for approval and shall commence activities only after the specialists set out in paragraph 1 herein and the basic equipment set out in paragraph 2 are in place.

Article 41

Amendment to the activity guideline as set out in Article 3 and the preceding Article hereunder shall be submitted by the Activity Association to the CAA for approval with supporting documents and may only be implemented with CAA's approval.

Article 42

The engagement by CAA pursuant to Articles 6, 9 and 24-1 shall be subject to public announcement, and the party engaged, subject matter and legal basis thereon shall be published in the government gazette.

Article 43

These regulations shall take effect from the date of promulgation.

Attachment 1

Application Form for Setting up Activity Association for Ultra-light Vehicles (“Activity Association”)	
Date: _____, 20____	
To:	
Name of Activity Association	
Background of Setting up Activity Association (Including interpretation of entity name)	
Source of Funds Items	
Exhibit	
Representative of Promoters (one) Name: Address: Tel:	

Attachment 2

Types and Categories of Ultra-light Vehicles

Type	Category			
Fixed-wing vehicles	Level Flight Speed below 140 VH	Land	Three points at front	AP-1
			Three points at rear	AP-2
			Skid	AP-3
		Water	Float bowl	AP-4
	Level Flight Speed at 140 VH or above	Land	Three points at front	AP-5
			Three points at rear	AP-6
			Skid	AP-7
		Water	Float bowl	AP-8

Type	Category		
Powered parachute	Square-shaped parachute	Land	PP-1
		Water	PP-2
	Circular parachute	Land	PP-3
		Water	PP-4

Type	Category	
Gyroplanes	Tractor	GP-1
	Thrust, full-cover, side seats	GP-2
	Thrust, full-cover, single-seat or front and rear seats	GP-3
	Thrust, non full-cover, side seats	GP-4
	Thrust, non full-cover, single-seat or front and rear seats	GP-5

Type	Category		
Powered delta-wing	Land	Three points at front	WS-1
		Skid	WS-2
	Water	Float bowl	WS-3

Type	Category		
Powered para-gliders	Land		PGL-1

Attachment 3

The certificate of authorized ultra-light vehicle inspector (**“Authorized Inspector Certificate”**) shall contain the following particulars:

1. The Authorized Inspector Certificate issued by the Civil Aeronautics Administration, Ministry of Transportation and Communications (**“CAA”**);
2. Personal information of the holder of Authorized Inspector Certificate (including name, date of birth, photo, and name of the activity association or professional agency);
3. The date of issue, expiry date and number of the Authorized Inspector Certificate;
4. Notes:
 - (1) The Authorized Inspector Certificate is valid for two years;
 - (2) The Authorized Inspector Certificate may not be assigned or transferred;
 - (3) The activity association or professional agency shall apply to CAA for renewal of the Authorized Inspector Certificate within 30 days prior to its expiration date.

Attachment 4

(Front)

Ultra-light Vehicle Approval Certificate

Name of Owner		ID Number	
Activity Association or Professional Agency		Control Number	
Manufacturer Name		Date of Manufacturing	
Vehicle Model and Serial Number		Insurance Policy Number	
Engine Model and Engine Number		Propeller Model and Propeller Number	
Owner's Permanent Address			
Owner's Contract Address		Owner's Phone Number	
Reason for Issue	<input type="checkbox"/> New Issue <input type="checkbox"/> Modification <input type="checkbox"/> Damaged or Lost Vehicle <input type="checkbox"/> Change of Particulars <input type="checkbox"/> Damaged or Lost Certificate <input type="checkbox"/> Others		
Date of Issue		Signature	
Expiration Date			

* Limitations on the operations or utilization are set out at the back page.

(Back)

Limitations on the operations or utilization:

Certificate Number: CAA-XX-YYY

Certificate Expiration Date:

Control Number:

* Limitations on the operations or utilization shall be posted in a noticeable area of the cabin.

Attachment 5

Operation permits shall contain the following particulars:

1. Ultra-light Vehicle Operating Permit issued by the Civil Aeronautics Administration, Ministry of Transportation and Communications (“CAA”);
2. Personal information of the holder of Operating Permit (including name, date of birth, photo, and name of the activity association or professional agency);
3. The date of issue, expiration date and number of the Operating Permit;
4. Type of the Operating Permit (learning permit, general permit and instructor permit), and the type, category and model of the ultra-light vehicle;
5. Notes:
 - (1) The Operating Permit is limited to operation in the approved activity zone and airspace for ultra-light vehicles.
 - (2) The Operating Permit is valid for two years; the holder of the permit shall carry the Operating Permit while operating the ultra-light vehicle, and operate the ultra-light vehicle according to the particulars in the Operating Permit.
 - (3) The permit holder shall apply to CAA or its designated activity association/professional agency for renewal of the Operating Permit within 90 days prior to its expiration date.

Attachment 6

Application Form

Date: _____, 20____

Name		Gender		Photo	
Name of Activity Association		Membership No.			
ID No.		Flight Hours	hrs.		
Date of Birth		Joining Date	Yr. Mo.		
Highest Academic Degree		Occupation			
Contact Address				Tel	()
Permanent Address				Tel	()
Type of Operating Permit 1.		Type of Ultra-light Vehicle 2.		Category of Ultra-light Vehicle 3.	
Operating Model 4.		Model of Aircraft Operated Previously:			
Date of Passing Test: ____ DD ____ MM ____ Year		Number of Operating Permit			
Applicant:		Signature:		Date:	
Remarks	<ol style="list-style-type: none"> 1. The Operating Permit is classified into three types: learning permit, general permit and instructor permit. 2. Ultra-light vehicles are classified into five types: fixed-wing vehicles, powered para-gliders, gyroplanes, powered parachutes and powered delta-wing. 3. Category of Ultra-light vehicles: Please refer to Attachment 2 under Clause 7 hereto. 4. The operating model shall be consistent with the model as set out in the Ultra-light Vehicle Approval Certificate, copy of which shall be attached thereto. 				

Attachment 7

Examiner certificates shall contain the following particulars:

1. Ultra-light Vehicle Operating Permit issued by the Civil Aeronautics Administration, Ministry of Transportation and Communications (“CAA”);
2. Personal information of the holder of Examiner Certificate (including name, date of birth, photo, and name of the activity association or professional agency);
3. The date of issue, expiry date and number of the Examiner Certificate;
4. Notes:
 - (1) The Examiner Certificate is valid for two years;
 - (2) The Examiner Certificate may not be assigned or transferred;
 - (3) The activity association or professional agency shall apply to CAA for renewal of the Examiner Certificate within 30 days prior to its expiration date

Attachment 8

The clearance area required in the activity zone for ultra-light vehicles

- 1.0 The terms used in the clearance area required in the activity zone for ultra-light vehicles shall have the following meanings:
 - 1.1 Runway area: the runway at the activity zone for ultra-light vehicles and its adjoining area;
 - 1.2 Approach surface : the specific angular surface at both ends of the runway;
 - 1.3 Horizontal surface: the horizontal surface at a certain altitude on the activity zone for ultra-light vehicles and its adjacent area;
 - 1.4 Transitional surface: the angular surface formed by extending both sides of the approach surface and both ends at angular surface's interior sideline, and extending the linear line that is parallel to the center line of the runway upwards with outbound bevel angle until it touches the horizontal surface;
 - 1.5 Conical surface: the surface formed by extending the edge of the horizontal surface upwards with outbound bevel angle.
- 2.0 The standards of aviation safety range for the runway area at the activity zone for ultra-light vehicles are as follows:
 - 2.1 The length of the runway for fixed-wing vehicles shall depend on the model and power of the vehicle. The runway shall be (i) 90 meters long for approaching speed below 30 Nm/hr; (ii) 165 meters long for approaching speed below 40 Nm/hr; and (iii) 240 meters long for approaching speed below 50 Nm/hr. The width of the runway shall be at least 18 meters.
 - 2.1.1 The length of the runway area for fixed-wing vehicles shall be 30 meters extended from both ends of the runway; the width shall be 11 meters extended from the center line of the runway to both sides. The runway area for approaching speed below 30 Nm/hr. shall be a rectangle with at least 150 meters in length and at least 22 meters in width.
 - 2.2 The length of the runway for powered para-gliders and powered parachute shall depend on the model, power and handling features. For approaching speed below 20 Nm/hr., the length of the runway for powered para-gliders and powered parachute shall be 60 meters and 20 meters, respectively. The width of the runway shall be at least 18 meters.
 - 2.2.1 The length of the runway area for powered para-gliders and powered parachute shall be 5 meters extended from both ends of the runway; the width shall be 11 meters extended from the center line of the runway to both sides. The runway area for approaching speed below 20 Nm/hr. shall be a rectangle of least 70 meters × 22 meters and 30 meters × 22 meters, respectively.

3.0 Runway

3.1 Inclination: No more than 2% from either side.

3.2 The length of runway shall be adjusted by adding 9 meters for every 300 meters elevation in the altitude.

3.3 No obstacle is permitted within the runway area, except for facilities required for aviation safety.

4.0 The standards for aviation safety applicable to direct or circling approach at the activity zone for ultra-light vehicles and its adjacent area shall be as follows:

4.1 Approach surface

4.1.1 Fixed-wing vehicles: At a distance of 30 meters in length and 22 meters in width from the runway to 900 meters from the runway, a trumpet shape inclined surface is formed at an angle of divergence of 1:10 ratio from both sides, which is extended upwards from inside towards outside until it reaches 900 meters from the runway; the height/distance ratio of the inclined surface is 1:20.

4.1.2 Ultra-light powered para-gliders: At a distance of 5 meters in length and 22 meters in width from the runway to 300 meters from the runway, a trumpet shape inclined surface is formed at an angle of divergence of 1:10 ratio from both sides, which is extended upwards from inside towards outside until it reaches 300 meters from the runway; the height/distance ratio of the inclined surface is 1:15.

4.1.3 Ultra-light powered parachute: At a distance of 5 meters in length and 22 meters in width from the runway to 150 meters from the runway, a trumpet shape inclined surface is formed at an angle of divergence of 1:10 ratio from both sides, which is extended upwards from inside towards outside until it reaches 150 meters from the runway; the height/distance ratio of the inclined surface is 1:15.

4.2 Horizontal surface: applicable to fixed-wing vehicles only

4.2.1 Use the center point of the runway as the center of the circle, and form a circular horizontal surface of 500 meters radius at the altitude of 45 meters above the runway.

4.3 Transitional surface: applicable to fixed-wing vehicles only

4.3.1 At the point of 11 meters from the center line of the runway of both sides, an inclined surface is formed with the horizontal surface and approach surface. The height/distance ratio is 1:5.

4.4 Conical surface: applicable to fixed-wing vehicles only

4.4.1 From the edge of the horizontal surface, an inclined surface is extended with 700 meters horizontal distance upwards with outbound bevel angle. The

inclined surface has a height/distance ratio of 1:20, and the altitude is 35 meters.

- 4.5 No obstacle exceeding the limit of maximum height is permitted, except for facilities required for aviation safety.
- 5.0 The clearance area required in the activity zone for ultra-light vehicles shall be the sole responsibility of activity associations. In the event of violation of law or regulations, or that aviation safety may be affected, the relevant activity zone shall cease to be used.
- 6.0 The clearance area required for ultra-light vehicles may be modified or amended pursuant to international standards and the review by activity associations.

Attachment 9

Application Fees for Certificates and Permits Relating to Ultra-light Vehicles:

1. Application fee for Certificate of Authorized Ultra-light Vehicle Inspector: NT\$500 each.
2. Application fee for Ultra-light Vehicle Approval Certificate: NT\$500 each.
3. Application fee for: NT\$500 each.
4. Application for Operating Permit for each of fixed-wing vehicles and gyroplanes: NT\$500 each.
5. Application for Operating Permit for each of powered parachutes, powered para-gliders and powered delta-wing: NT\$200 each.
6. Application for renewing (re-issuing) Certificate of Authorized Ultra-light Vehicle Inspector, Ultra-light Vehicle Approval Certificate, Ultra-light Vehicle Examiner Certificate and all types of operating permits shall be subject to paragraphs 1~5 above.
7. For application for setting up activity association for ultra-light vehicle, the reviewing fees shall be NT\$2,100.
8. For application for importing ultra-light vehicle, the reviewing fees shall be NT\$1,000.
9. For application for registering ultra-light vehicle, the reviewing fees shall be NT\$2,100.
10. The following reviewing fees shall be payable for the examination of ultra-light vehicles:
 - (1) Single-seat powered parachutes and powered delta-wing: The reviewing fees for the initial examination and re-examination shall be NT\$2,800 each; the reviewing fees for renewal examination shall be NT\$2,500 each.
 - (2) Any ultra-light vehicle other than single-seat powered parachutes and powered delta-wing: The reviewing fees for the initial examination and re-examination shall be NT\$4,300 each; the reviewing fees for renewal examination shall be NT\$4,000 each.
11. The following reviewing fees shall be payable for the application for activity airspace:
 - (1) The reviewing fees for the application for activity airspace that has been announced shall be NT\$3,800 each.
 - (2) The reviewing fees for the application for activity airspace that has not been announced shall be NT\$15,000 each °

12. The reviewing fees for application for activity zone of the ultra-light vehicles shall be NT\$15,000; in addition, transportation fees (including airplane, high speed rail, automobile, MRT, train or boat) shall be payable, the amount of which shall depend on the location of the activity zone.

Attachment 10

Notification Form for Flight Incident Involving Ultra-light Vehicle

To	Civil Aeronautics Administration		Transportation Safety Board	
Telephone	(02) 2349-6067 (Office Hour) (02) 2349-6300 (Non-office Hour)		0800 - 004 - 066 0935 - 628 - 217	
Fax	(02)2349-6400 (Office Hour) (02)2349-6286 (Non-office Hour) e-mail: caafsd@mail.caa.gov.tw		(02) 8912-7397 e-mail: Go_team@asc.gov.tw	
Name of Activity Association		Type of Ultra-light Vehicle		
Model of Ultra-light Vehicle		Registration No.		
Departing from		Time of Take-off		
Destination		Actual place of Landing		
Date of Incident	Year	Month	Day	
Time of Incident	AM / PM	Hour	Minute	
Place of Incident				
Brief description of the Incident (Including particulars of who, what, when, where are involved in the incident). Please use extra page if necessary 				
Notifier		Notifying Entity		Contact Number
For Official Use Only				
Record Keeper		Time of Report	Month	Day
			Hour	Minute