



Centre Français de Formation des Pompiers d'Aéroport

S.P.R.A. TRAINEES WELCOME HANDBOOK


Address:

Zone Industrielle de la Malterie
36130 COINGS
FRANCE

Contact details :

Phone: + 33 (0)2 54 35 53 50
Fax : + 33 (0)2 54 22 30 75
Email: contact@c2fpa.fr
Website : www.c2fpa.fr

Ce document est la propriété du C2FPA. Toutes les informations contenues dans ce document sont confidentielles et ne peuvent être copiées, sauvegardées, traduites, transmises ou communiquées à toute personne ou entreprise, en totalité ou en partie sans l'accord écrit préalable du C2FPA. Toute reproduction et communication intégrale ou partielle non autorisée par le C2FPA constitue une contrefaçon sanctionnée par le code de la propriété intellectuelle

	Centre Français de Formation des Pompiers d'Aéroport	Livret d'accueil Stagiaires S.P.R.A.	Date d'application 25 mai 2021	DIR FT LIVACC
				V1 250521

1 TABLE OF CONTENTS

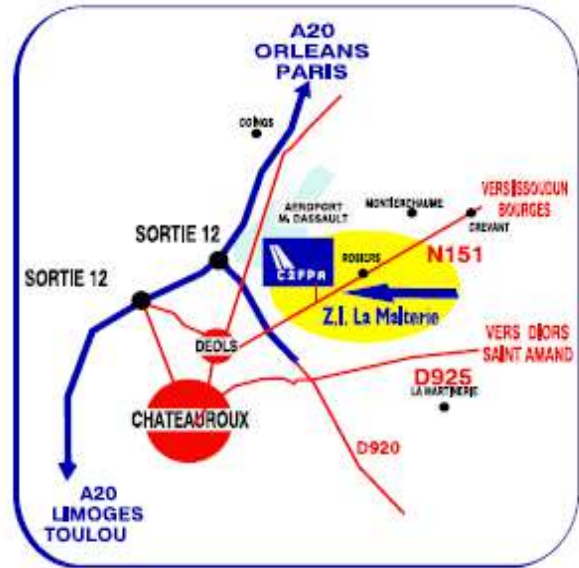
1	TABLE OF CONTENTS	3
2.	C2FPA - PRESENTATION OF THE TRAINING ORGANIZATION	4
2.1.	Geographical location.....	4
2.2	Training information.....	5
3.	THE C2FPA SITE	6
3.1	Vehicle parking on site	6
3.2.	Training rooms	6
3.3.	Educational resource room	7
3.4.	The common room	7
3.5.	Changing rooms and showers	7
3.6.	The Wildlife Hazard Management Area (ZAN)	8
3.7.	Technical equipment used for practical exercises.	15
3.8.	The armory	18
3.9.	The "Wildlife Hazard" response vehicle	20
4.	SAFETY RULES	20

	Centre Français de Formation des Pompiers d'Aéroport	Livret d'accueil Stagiaires S.P.R.A.	Date d'application 25 mai 2021	DIR FT LIVACC
				V1 250521

2. C2FPA - PRESENTATION OF THE TRAINING ORGANIZATION

As a center for initial and continuing training, C2FPA focuses on aeronautical safety related to crisis management, rescue and fire-fighting, and wildlife hazard prevention, whilst offering regulated training courses.

2.1. GEOGRAPHICAL LOCATION





2.2 TRAINING INFORMATION

Training times are specified upon your invitation. They are generally:

For initial training in the prevention of animal accidents

Day	Morning schedule	Afternoon schedule
Day 1	9am - 12:30pm	1.45pm - 6.15pm
Day 2	8 a.m. - 12:30 p.m.	1.45pm - 6.15pm
Day 3	8 a.m. - 12:30 p.m.	1.45pm - 4.30pm

For other 7-hour training courses


Day	Morning schedule	Afternoon schedule
Day 1	9am - 12:30pm	1.45pm - 5.15pm

Cell phones must not be used during training hours, unless expressly authorized by the trainer.

A drinks dispenser is available for trainees.

Each course is run by a coordinating trainer.

Promotional items are available for sale. If you have any questions, please contact the trainer.

	Centre Français de Formation des Pompiers d'Aéroport	Livret d'accueil Stagiaires S.P.R.A.	Date d'application 25 mai 2021	DIR FT LIVACC
				V1 250521

Course of the trip

Local transport (1) is organized by C2FPA. If you arrive the day before, you can check with the hotel receptionist for the shuttle schedule.

If you come to C2FPA by car, parking spaces are available.

First day of training :

- Welcome by your training coordinator
- Welcome coffee
- Details of your stay's program
- Details of transport schedules (1)
- Distribution of provided equipment (digital tablet)

Lunch: Departure of shuttle bus¹ at 12:30 for the catering area, returning to C2FPA at 13:40.

In the evening, the shuttle leaves at 6.15 p.m. for the respective hotels.²

Dinners are either reserved at the hotel or in the immediate vicinity of the hotel. The restaurant will be specified on arrival at C2FPA.

3. C2FPA SITE

3.1 VEHICLE PARKING ON SITE


A parking lot is available close to the C2FPA buildings. Please respect the ground signage, especially the ones reserved for people with reduced mobility.

For safety reasons, it is prohibited to drive your vehicle beyond the administrative buildings.



¹ For trainees benefiting from transport included in their training agreement.

² Idem

	Centre Français de Formation des Pompiers d'Aéroport	Livret d'accueil Stagiaires S.P.R.A.	Date d'application 25 mai 2021	DIR FT LIVACC
				V1 250521

3.2. TRAINING ROOMS

The center includes a specially designed training room for animal risk prevention courses, capable of accommodating 6 trainees. The room has been constructed in compliance with current regulations and features natural lighting.

The classroom is equipped with modern and specific teaching materials:

- Video projectors
- Multimedia computer
- Multimedia animation tablet
- Whiteboard and flipboard
- Display case with animal replicas
- Taxidermied animals
- Bird and mammal signs
- Capture equipment
- Photographic media
- Observation post in a landscaped outdoor area (aviary, feeding troughs, drinking trough)



3.3. EDUCATIONAL RESOURCE ROOM

Adjacent to the training room, the educational resource room houses all the teaching materials available to trainers for conducting their courses.

3.4. THE COMMON ROOM

The common room is available to trainees during their time at the training center. It is pleasant, modern, and well-lit. The room is equipped with two vending machines for hot and cold beverages, as well as a water dispenser.




Our common room is also equipped with an accessible semi-automatic defibrillator, made available to trainees and staff.

3.5. CHANGING ROOMS AND SHOWERS

C2FPA provides each trainee with a locker throughout the entire course to store the following items:

- Personal Protective Equipment (PPE)
- Personal belongings, civilian clothing, etc.

	Centre Français de Formation des Pompiers d'Aéroport	Livret d'accueil Stagiaires S.P.R.A.	Date d'application 25 mai 2021	DIR FT LIVACC
				V1 250521

The facilities at C2FPA allow trainees to take a shower after each practical phase. To facilitate this, the following items are provided:

- Shower gel for body and hair
- Bath towels

3.6. THE WILDLIFE HAZARD MANAGEMENT AREA (ZAN)

Environmental management is an integral part of the fight against animal risk, as it enables effective long-term measures to be taken to reduce the number of animals frequenting the airfield.


A dedicated area of 4 hectares within the 15-hectare site has been specially designed to replicate typical aerodrome environments and highlight attractive sources for animals, such as food, water, and shelter.

The ZAN includes :

- A landing strip and a patrol path
- Areas with grass, plowed soil, flowers, wetlands, and wooded areas
- A plantation consisting of 300 tree species of 20 different varieties
- Adapted fencing
- Animal replica for an "animal discovery trail"
- An animal capture zone
- Equipment for capturing birds and mammals
- A shooting range equipped with 3 clay target launchers
- Acoustic, pyrotechnic and optical (laser) bird deterrent equipment
- Motion detection infrared cameras
- An armament maintenance workshop

The outdoor training area replicates various conditions that an agent responsible for animal hazard prevention may encounter at an airfield. Numerous equipment are distributed throughout the Wildlife Hazard Management Area (ZAN) to facilitate the development of skills and pedagogical progression for trainees.



	Centre Français de Formation des Pompiers d'Aéroport	Livret d'accueil Stagiaires S.P.R.A.	Date d'application 25 mai 2021	DIR FT LIVACC
				V1 250521

Landing strip and patrol path

A landing strip is marked on the field with an orientation of 13-31.

A patrol path has been laid out to allow trainees to:

- Move around the field
- Conduct surveillance
- Implement appropriate measures for intervention exercises.



Animal discovery trail

After a theoretical approach in the classroom, trainees will move around the Wildlife Hazard Management Area (ZAN) to detect and identify animals or signs of their presence.

Observation and reconnaissance equipment such as binoculars and a fauna identification guide will be used.



Cultivated areas


In order to reduce airfield operating costs, some operators entrust the management of land used for agricultural purposes.

On our site, **18 test plots have been** set up and are operated all year round:

Le présent document est la propriété du Groupe 3S. Il ne peut être reproduit, communiqué, ou confié à des personnes externes, sans l'autorisation du service QSE.

Les entités intervenant dans le domaine de la sécurité doivent répondre à l'article L612-14 du Code de la Sécurité Intérieure : L'autorisation d'exercice ne confère aucune prérogative de puissance publique à l'entreprise ou aux personnes qui en bénéficient.

Page 9 sur 20

	Centre Français de Formation des Pompiers d'Aéroport	Livret d'accueil Stagiaires S.P.R.A.	Date d'application 25 mai 2021	DIR FT LIVACC
				V1 250521

- Crop plots:
 - Spring: sunflower, corn, rye, etc.
 - Winter: wheat, oats, barley, rapeseed, etc.
- Specific grassed plots:
 - Special mixtures with high tolerance (winter/summer) that maintain a fairly dense canopy of more than 20 cm throughout the year.
 - Economical mix with slow growth for less maintenance.



Wetlands

Two basins have been created:

- The first features reproductions of birds (cormorants, herons, mallards, ducks, etc.) for recognition exercises, and attractive riparian vegetation for wildlife;
- The second is equipped with a net to keep the birds out.




Grassed areas

Aerodromes are mainly composed of grassy areas.

Therefore, these zones are reproduced in the C2FPA Wildlife Hazard Management (ZAN) with:

- Grass areas ranging between 20 and 50 centimetres high **to limit the presence of species dangerous to air traffic**. A maintenance plan is established and reassessed according to the vegetation, which varies from year to year;
- Grass areas less than 20 centimetres high to highlight attractiveness to certain species (birds of prey, lapwings, etc.).



	Centre Français de Formation des Pompiers d'Aéroport	Livret d'accueil Stagiaires S.P.R.A.	Date d'application 25 mai 2021	DIR FT LIVACC
				V1 250521

Woody areas

Various woody areas have been planted in the Wildlife Hazard Management Area (ZAN) to replicate certain features of nearby airfields or land.

This woody area includes **300 tree species**, divided into **20 types** and **characteristics of airfields**:

- Pedunculate oak
- Scaly oak
- Common hornbeam
- Robinia (common acacia)
- Silver birch
- White poplar
- Sour cherry
- Field maple
- Norway spruce
- Cedar of Lebanon
- Common ash
- Sea buckthorn
- Common beech
- Cherry
- Hazelnut
- Walnut
- Pyracantha
- Douglas fir
- Rowan tree
- Wood lime.




These trees are used by birds as perches, habitat and nesting sites.

They also provide a highly attractive food source (berries, fruit, seeds, etc.).

Flower zone

A multi-year floral fallow is implemented within the Wildlife Hazard Management Area (ZAN) and reseeded annually. It does not generate appeal for wildlife that poses a danger to air traffic and holds significant environmental and landscape value.



	Centre Français de Formation des Pompiers d'Aéroport	Livret d'accueil Stagiaires S.P.R.A.	Date d'application 25 mai 2021	DIR FT LIVACC
				V1 250521

Fences

Different types of fences are present:

- Wire mesh fencing
- Non-magnetic fence (ILS. zone)
- Electric fence



Covered shooting range

The C2FPA shooting range is subject to a prefectural decree dated 5th October 2009, authorizing the creation of a permanent ball-trap. This guarantees that hunting weapons can be used under **optimum safety conditions**.


This range is designed to perfect the shooting accuracy of future agents in charge of wildlife hazard prevention, using a 12-gauge shotgun.

Our shooting range is **equipped with 3 tray launchers** and a **shooting stand secured** by angle limiters. To assess the range of the weapon, distance signs and animal reproductions are positioned along the entire length of the range.

The trainee can practise shooting from three angles:

- Inward angle
- Outgoing angle
- Crossing angle



	Centre Français de Formation des Pompiers d'Aéroport	Livret d'accueil Stagiaires S.P.R.A.	Date d'application 25 mai 2021	DIR FT LIVACC
				V1 250521

The shooting station is completely secure and has three positions. Angle limiters prevent trainees from shooting at unsafe angles and, most importantly, from turning towards the shooting range.

The instructor, positioned behind the trainee, ensures their safety and activates the selected clay pigeon launcher using an electrical control. In this configuration, no one is positioned in front of the shooter, thus avoiding any accidents.

The 3 launchers have different trajectories and are identified by colors, allowing the trainee to progress continuously in various shooting scenarios.

Weapon maintenance workshop

Proper maintenance of firearms is crucial for safe use. Neglecting this aspect can result in significant damage during the shooting phase, potentially causing serious injuries or even death to the user.

At the end of the training, the trainee should be capable of performing maintenance and cleaning of firearms (shotguns, revolvers, CAPA pistols). A well-maintained weapon is a safe weapon and reduces the risk of injury to the user.




Scare devices

Animals are particularly sensitive to visual and acoustic stimuli, and extensive research has been conducted to equip airfields with effective scare devices.

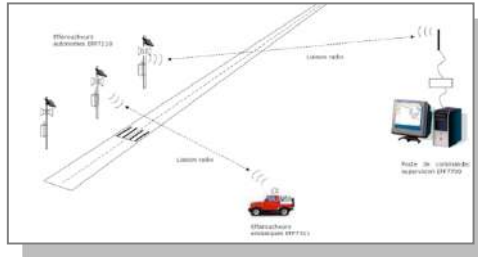
These devices include :

- Acoustic broadcasting of specific distress calls from a vehicle
- Firing pyrotechnic rockets
- Use of laser torches
- Scare shooting with a hunting rifle

Acoustic

	Centre Français de Formation des Pompiers d'Aéroport	Livret d'accueil Stagiaires S.P.R.A.	Date d'application 25 mai 2021	DIR FT LIVACC
				V1 250521

As part of the training, trainees are able to work with various types of acoustic scare devices. Their interventions are organized around an intervention vehicle and a fixed command post.



They can:

- Activate one or several autonomous scare devices located on masts at critical locations on the airfield.
- Activate the scare device on the vehicle.
- Use the portable acoustic scare device outdoors or from any vehicle.



Pyrotechnic

The various pyrotechnics used include:

- Flare-launching alarm revolver with flare-launching tip (smokeless blanks) and matching flares:
 - Crackling rockets (Green) with a range of 50 to 100 metres, producing a crackling sound of about 120 dB along its trajectory.
 - Detonating fuses (red) with a range of 20 to 50 meters, producing a noise of 145 dB weighted at one meter.
- The long-range flare gun (CAPA) detonates at 300 metres and produces a noise of 150 dB weighted at 1 metre.



Optical

Le présent document est la propriété du Groupe 3S. Il ne peut être reproduit, communiqué, ou confié à des personnes externes, sans l'autorisation du service QSE.

Les entités intervenant dans le domaine de la sécurité doivent répondre à l'article L612-14 du Code de la Sécurité Intérieure : L'autorisation d'exercice ne confère aucune prérogative de puissance publique à l'entreprise ou aux personnes qui en bénéficient.

Page 14 sur 20

	Centre Français de Formation des Pompiers d'Aéroport	Livret d'accueil Stagiaires S.P.R.A.	Date d'application 25 mai 2021	DIR FT LIVACC
				V1 250521

The LEM50 laser torch from Lord Ingénierie (Engineering) is designed to generate a green laser beam (the color most easily detected by the retina) to scare away birds. Equipped with a 50mm diameter lens, it produces a power of 50 milliwatts. The laser torch is designed not to damage the retina. Birds perceive it as a stick that is about to strike them.



Animal capture zone

Different animal capture systems are presented within the Wildlife Hazard Management Area (ZAN). These complementary means help reduce the wildlife risk at airfields.



Motion detection infrared camera

This equipment is positioned in the ZAN and allows us to detect animals.

The infrared camera works both day and night, activating upon the movement of animals. It enables the identification of species frequenting the area and provides precise population measurements.

When placed near a water source or a food supply, it provides valuable information on the wildlife situation at the airfield.




3.7. TECHNICAL EQUIPMENT USED FOR PRACTICAL EXERCISES.

Le présent document est la propriété du Groupe 3S. Il ne peut être reproduit, communiqué, ou confié à des personnes externes, sans l'autorisation du service QSE.

Les entités intervenant dans le domaine de la sécurité doivent répondre à l'article L612-14 du Code de la Sécurité Intérieure : L'autorisation d'exercice ne confère aucune prérogative de puissance publique à l'entreprise ou aux personnes qui en bénéficient.

Page 15 sur 20

	Centre Français de Formation des Pompiers d'Aéroport	Livret d'accueil Stagiaires S.P.R.A.	Date d'application 25 mai 2021	DIR FT LIVACC
				V1 250521

Ball-trap launcher with trays



A "hunting course" type clay pigeon launcher, mounted on a kit for easy movement and setup, allows for safe shotgun shooting sessions while taking into account the surrounding context.

The launcher is electric and equipped with a 50-meter wired remote control. Various types of shooting can be performed:

- Shoot at incoming targets
- Shoot at outgoing targets
- Shoot at crossing targets

Optical scare device (Laser Torch)

This equipment is mandatory at aerodromes hosting more than 25,000 annual commercial movements of aircraft with an overall length equal to or greater than 12 meters.

The laser torch is designed to generate a green laser beam (the color best detected by the retina) to scare birds away.

It is equipped with a 50-millimeter diameter lens and generates 50 milliwatts of power. Birds materialize the laser as a stick that will strike them.



Portable acoustic scare device



It allows for high mobility and can be very useful to airfields that conduct wildlife hazard management from multiple vehicles.



High-Magnification binoculars (10X50)

The binoculars we used had a magnification of 10X50 with a good twilight index, enabling us to make observations even in low visibility conditions.


Capture equipment

Foldable Containment Cage

It takes up very little space and is easy to store in the vehicle. Quick to assemble.

Metal Pole Lasso for Dog Catching

The lasso is highly functional, both during and after capture, thanks to its various features.

	Centre Français de Formation des Pompiers d'Aéroport	Livret d'accueil Stagiaires S.P.R.A.	Date d'application 25 mai 2021	DIR FT LIVACC
				V1 250521

Anti-Bite Protective Gloves

These gloves are essential for ensuring your safety during the capture of animals such as a dog or injured raptor. The gloves are made of leather lined with Kevlar and are guaranteed to be bite-resistant.

Reptile Tongs

They allow for the capture of reptiles or any other animal.

Fishnet

This equipment is very useful for recovering animals following a collision with an aircraft. The animals are sometimes injured, and the landing net enables them to be captured quickly.

Net

The net is a valuable tool for capturing animals such as cats or dogs. It is equipped with weighted cords at its ends, ensuring the capture and control of the animal.



It is

Collection of Animal Remains

For the sake of hygiene, the equipment includes :

- Single-use gloves
- Large plastic bags
- A plastic bin.

Weapon Maintenance Equipment


Each firearm has its own cleaning kit:

- Revolver
- Long-range rocket pistol
- Shotgun

A weapon that is maintained on a daily basis will optimize the safety of the operative and avoid the risk of injury.



Fauna recognition guides

	Centre Français de Formation des Pompiers d'Aéroport	Livret d'accueil Stagiaires S.P.R.A.	Date d'application 25 mai 2021	DIR FT LIVACC
				V1 250521

The use of fauna recognition guides aims to identify and classify the species present at airports.



Personal Protective Equipment

Noise-cancelling headphones are used during training. They **protect** agents **from blasts** (150 dB), while simultaneously enabling them to **listen in to the radio**.

With this equipment, sounds that are harmful to hearing are attenuated, while others are amplified.

This enables the animal hazard officer to detect animals or approaching aircraft much more quickly.



Weapons Demonstration and Handling Table

This table allows for the presentation of various equipment during training and the safe execution of the following manipulations:

- Assembly
- Disassembly
- Maintenance
- Cleaning




3.8. ARMORY

Le présent document est la propriété du Groupe 3S. Il ne peut être reproduit, communiqué, ou confié à des personnes externes, sans l'autorisation du service QSE.

Les entités intervenant dans le domaine de la sécurité doivent répondre à l'article L612-14 du Code de la Sécurité Intérieure : L'autorisation d'exercice ne confère aucune prérogative de puissance publique à l'entreprise ou aux personnes qui en bénéficient.

Page 18 sur 20

	Centre Français de Formation des Pompiers d'Aéroport	Livret d'accueil Stagiaires S.P.R.A.	Date d'application 25 mai 2021	DIR FT LIVACC
				V1 250521

The armory is a secure area where the equipment and consumables (ammunition) necessary for the practical training sequences in wildlife hazard prevention are stored. All firearms are stored in a fixed and secure safe, in accordance with the regulations in force at the airfield.


An area has been designated for maintenance and cleaning of firearms.

The armory is equipped with the following items:

- 3 Alarm revolvers with flare tips
- 2 Long-range flare pistols (CAPA)
- 4 12-gauge shotguns
- 2 Laser torches
- 1 Hand-held acoustic deterrent
- Laptop and radio relay for triggering the fixed acoustic deterrent in the outdoor training area
- Noise-canceling
- Safety goggles
- Pairs of binoculars
- Capture equipment (cage, lasso, anti-bite gloves, reptile tongs, landing net, nets)
- Additional capture equipment (animal containment box, trap, snares, rabbit tube, etc.)
- Radios for intervention and phraseology exercises;
- Dead animal recovery equipment



lace

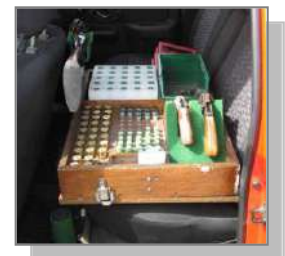
	Centre Français de Formation des Pompiers d'Aéroport	Livret d'accueil Stagiaires S.P.R.A.	Date d'application 25 mai 2021	DIR FT LIVACC
				V1 250521

3.9. THE SPECIALIZED "ANIMAL RISK" VEHICLE

The C2FPA is equipped with a 4X4 NISSAN PATROL vehicle, adapted to the terrain and equipped for animal control and capture.

The vehicle is equipped with a flashing beacon (siren), a portable radio for liaison with the trainer during response exercises, and all mobile wildlife control equipment:


- Alarm revolver with flare-launching tip and crackling and detonating fuses
- Long-range flare pistol (CAPA)
- 12-gauge shotgun
- Laser torch
- Portable acoustic deterrent
- Vehicle-mounted mobile acoustic deterrent
- Control of fixed acoustic buzzers
- Earmuffs
- Safety goggles
- Pairs of binoculars
- Capture equipment (cage, lasso, anti-bite gloves, reptile tongs, landing net, nets)
- Radios for intervention and phraseology exercises
- Dead animal recovery equipment
- Daily intervention log and area grid
- Impact report and animal remains recovery report



The equipment in the vehicle is accessible to the trainee. **The interior layout gives priority to safety aspects.** For example, the vehicle is equipped with a storage unit to facilitate access to weapons and ammunition. Its location prevents any misuse or unsafe use of weapons.

4. SAFETY RULES

- Wear all Personal Protective Equipment (PPE) for all operational situations

	Centre Français de Formation des Pompiers d'Aéroport	Livret d'accueil Stagiaires S.P.R.A.	Date d'application 25 mai 2021	DIR FT LIVACC
				V1 250521

Le présent document est la propriété du Groupe 3S. Il ne peut être reproduit, communiqué, ou confié à des personnes externes, sans l'autorisation du service QSE.

Les entités intervenant dans le domaine de la sécurité doivent répondre à l'article L612-14 du Code de la Sécurité Intérieure : L'autorisation d'exercice ne confère aucune prérogative de puissance publique à l'entreprise ou aux personnes qui en bénéficient.

Page 21 sur 20