

Fraport Aviation Academy
Training Catalogue



Fraport Aviation Academy

Fraport Group, one of the world's leading airport management groups, fully believes and invests in the training of its staff and its subsidiaries in all fields of aviation. Expert knowledge and consistent performance can only be achieved by a long-term commitment to quality training. For this reason, the Aviation Academy (AAC) was established at the one of Fraport AG's subsidiaries, Fraport Slovenija, which has received the mandate to operate the new Academy to meet training requirements within the Fraport Group, as well as from external customers.



Our Story

Fraport AG is among the leading groups of companies in the international airport business. The company operates one of the world's most important air transportation hubs at Frankfurt Airport, along with other airports worldwide. This successful airport management is based on many years of extensive experience in the field of airside and terminal management, ORAT (Operational Readiness and Airport Transfer), airport strategy, retail management, the operation of airport infrastructure, and airport development. Furthermore, it has sound expertise in the area of ground handling.

Fraport Group, one of the world's leading airport management groups, fully believes and invests in the training of its staff and its subsidiaries in all fields of aviation. Expert knowledge and consistent performance can only be achieved by a long-term commitment to quality training. For this reason, the Aviation Academy (AAC) was established at the one of Fraport AG's subsidiaries, Fraport Slovenija, which has received the mandate to operate the new Academy to meet training requirements within the Fraport Group, as well as from external customers.

As one of the world's leading airport management groups, Fraport depends on highly skilled staff at airports around the globe to maintain high operating standards, deliver top customer-focused services, and to address the rapid changes that characterize today's aviation industry. The creation of the Fraport Aviation Academy, as a new "center of excellence and learning", underscores Fraport's commitment to enhancing Ljubljana as a sustainable location. Diversifying

non-aeronautical businesses is a key element of Fraport's strategy for its airport portfolio. Fraport wants to harness the inherent synergies available at Ljubljana Airport, which has developed its own significant know-how as a full-service airport company in operations, handling, and emergency services. Furthermore, Slovenia is perfect location for developing innovative world-class solutions in aviation training.

Vision

The vision of the Fraport Aviation Academy is to be the leading skills academy in the worldwide aviation industry. Not only do we want to pass on knowledge, but also to link different areas of aviation into an integrated learning concept.

Mission


The mission of the Aviation Academy is to raise the professionalism of managers and accountable staff through quality training and education.





Fire Prevention Training



Fire Prevention Course

 Duration: One day

 Language: English, German, Slovenian

 Date and location: Courses can be arranged at any time on different locations.

Fire represents one of the greatest dangers to human lives. It destroys facilities and everything else in its way, and can result in immense financial and personal losses. Fire prevention and protection is essential to prevent fire and mitigate its impacts. It is thanks to fire prevention activities such as smoke alarm installations and fire safety education that deaths and injuries caused by residential fires have declined over the past several decades. There is no additional need to emphasise that it is very important to train staff in fire safety management, so that they can identify potential safety risks and react appropriately in case of an emergency. Fire safety begins with the readiness of all employees to do everything that is necessary to avoid the outbreak of a fire and to immediately take counteractions if a fire starts.

Who should attend?

This course is beneficial for all members of the Airport Fire Department. It is especially recommended for those, who conduct building inspections.

What will participants learn?

Fire safety in facilities is always based on an integrated fire safety design, which includes measures of fire prevention and protection. Components of such a design are structural fire safety (e.g. fire-rated walls and doors), technical measures (e.g. fire alarm systems and sprinkler systems) and operational procedures (e.g. training of staff and employees, fire safety management).



Basic Fire Safety Course



Duration: One day



Language: English, German, Slovenian



Date and location: Courses can be arranged at any time on different locations.

Fire safety requirements for modern airport terminals pose a big challenge for airport staff and all personnel employed inside those facilities. All users are responsible for keeping their environment safe. In case of an emergency it is absolutely essential that appropriate counteractions are taken immediately by staff in the terminal.

What will participants learn?

Course participants will learn about:

- the basics of fire safety,
- day to day safety behaviour,
- housekeeping issues,
- dangers caused by fire and smoke,
- handling of emergency escape routes,
- behaviour in case of fire,
- fire safety regulations,
- technical fire safety related devices (overview of systems in their environment).

On completion of the course participants will be able to provide the answer to the following questions:

- What can I do to keep my environment safe?
- What are "appropriate counteractions", and how do I react correctly in an emergency?

The Basic Fire Safety Course provides knowledge about the basics of fire safety, danger caused by fire and smoke, and emergency escape routes. By participating in this course, the participants will be able to react correctly in case of fire according to the fire safety regulations.

The course is mainly based on the NFPA 101 Life Safety Code and the NFPA Fire Protection Handbook.

Who should attend?

This course is beneficial for airport employees, concessionaires and other users of the terminal.

Technical Protective Devices Course



Duration: One day



Language: English, German, Slovenian



Date and location: Courses can be arranged at any time on different locations.

Modern airport terminal buildings are turning into multi-functional arenas that include shopping facilities, conference centres and event locations. Shops and restaurants are open 24 hours a day. Consequently, a large number of people are inside the facilities at all times, and so the risk of people becoming casualties in case of fire rises rapidly. Additionally, there are further risks in an airport terminal: visitors without detailed knowledge of the location cannot find emergency escape routes and may stray around; there is a lack of knowledge regarding the use of fire extinguishing devices; and foreign guests may not understand the announcements. Scenarios in case of fire are highly complex and pose a challenge to security personnel and also to the fire safety design. For these reasons, it is very important that technical devices are properly designed and installed in the facility in order to avoid hurt to people and also to provide protection to the building complex.

What will participants learn?

This course is designed to teach the participants the details of the technical fire protection devices that are installed inside the terminal facilities.

On completion of this course, participants will be able to:

- identify the technical fire protection devices in their local airport terminal facilities;
- define the safety goals that need to be reached by those devices;
- understand the function of the installed systems;
- understand the application of systems and sub-systems in order to increase awareness of the necessity of technical fire protection systems;
- understand combinations of sub-systems (stand-alone systems and necessary combinations of sub-systems);
- evaluate whether the installed systems are sufficient for effective fire protection inside the facility;
- identify deficiencies in the systems/devices.

The following codes and standards regarding installed systems will be presented:

- NFPA 13 Standard for the Installation of Sprinkler Systems;
- NFPA 72 National Fire Alarm and Signalling Code;
- NFPA 92 Standard for Smoke Control Systems;
- NFPA 750 Standard on Water Mist Fire Protection Systems;
- NFPA 2001 Standard on Clean Agent Fire Extinguishing Systems;
- European standards on technical fire protection systems: "DIN EN xxx".

Who should attend?

This course is beneficial for members of the fire department and all airport personnel with safety-related tasks.

Prerequisites


Course participants must:


- be trained in the field of safety and security;
- possess the ability to understand technical interconnections;
- be proficient in English, German or Slovenian.




Fire and Rescue Training

Fire Extinguisher Course

 Duration: Half a day

 Language: English, Slovenian or on request

 Date and location: Courses can be arranged at any time on different locations.

Fire Extinguisher Training is an important part of a company's Occupational Health and Safety Plan. The training consists of both theoretical classroom lectures and practical "hands-on" training. Our fire extinguisher training classes will teach your employees how to safely extinguish fires in their early stages and what emergency actions they need to take when a fire breaks out. The propane gas fired extinguisher training unit allows us to create a wide variety of challenging fire scenarios. The focus is placed on the theory of fire extinguishing, the different classes of fires and the different extinguishing agents.

What will the participants learn?


The participants will be trained in the application and use of installed fire suppression and hose systems. Under the guidance of our instructors, the course participants will learn and practise the correct firefighting tactics to combat fires in a safe and effective learning environment.


Who should attend?


This course is beneficial for all administrative employees, as well as technical staff.



Container-Based Live Fire Training Course - Module B

 Duration: Four days

 Language: English, Slovenian, Croatian, Serbian

 Date and location: Courses can be arranged at any time on different locations.

The Basic Structural Firefighting Course teaches firefighters the skills and knowledge required by the demanding challenges of firefighting procedures. The modern approach to training includes more realistic scenarios to increase the skills of the participants. The course consists of theoretical sessions in the classroom, enhanced by practical “hands-on” training. The curriculum of the course has been developed based on several national standards within the EU.

The training participants, equipped with appropriate firefighting gear and appliances, will experience the following scenarios:

- nozzle techniques,
- smoke reading and fire development,
- live fire observation with application of basic extinguishing techniques,
- live fire attack scenario,
- small scale flame attacks,
- moderately complex structural fires.

What will participants learn?

On completion of this course, training participants will be able to:

- understand fire behaviour and development in closed spaces;
- distinguish between open air fires and indoor fires;
- identify the hazards of backdraft and flashover;
- understand the use and limits of personal protective equipment in structural fires;
- explain the specific use of equipment and water as an extinguishing agent;
- explain the concepts, principles and theory of basic indoor fire techniques;
- observe the indicators of fire development at structural fires;
- use attack techniques in different scenarios;
- enter closed space areas which are on fire;
- use fire extinguishing techniques in a safe way.

Who should attend?

This course is beneficial to firefighters with basic skills who would like to improve their knowledge of firefighting procedures.

Prerequisites

Course participants must:

- possess basic technical skills (be certified in the use of respiratory protective equipment);
- be physically capable of performing strenuous work during the performance of the practical training sessions and therefore meet the medical requirements of their Authority Having Jurisdiction (AHJ);
- be proficient in English, Slovenian, Croatian or Serbian.

Further Training

- Container-Based Live Fire Training Course - Module C
- Basic ARFF Course
- Basic Hazardous Materials Course

Our partner

Training Centre for Civil Protection and Disaster Relief of the Republic of Slovenia.



Container-Based Live Fire Training Course - Module C



Duration: Four days



Language: English,
Slovenian, Croatian,
Serbian



Date and location: Courses
can be arranged at any
time on different locations.

Besides complex aircraft responses, firefighters in airport areas are usually also responsible for structural firefighting. This type of response requires well-trained and highly motivated firefighters with knowledge of fire behaviour and firefighting tactics based on structural fires. This course consists of theoretical sessions in the classroom enhanced by practical "hands-on" training. The curriculum of the course has been developed based on several national standards within the EU.

Training participants working together in teams will be challenged by a variety of typical fire scenarios. The trainees, armed with appropriate firefighting equipment and appliances, will experience the following scenarios:

- advanced attack techniques,
- thermal imaging search and rescue,
- live fire observation and entering point decisions,
- live fire indoor vehicle scenario,
- large scale flame attacks,
- large complex structural fire scenario.

What will participants learn?

On completion of this course, training participants will be able to:

- understand the different scales of fire development in closed spaces;
- understand smoke and ventilation controlled fires;
- explain ventilation procedures at structural fires;
- explain the combined approach of extinguishing techniques and ventilation procedures;
- explain the concepts, principles and theory of tactics at structural fires;
- recognize the indicators of fire development at structural fires in order to ensure a proper attack using different techniques, such as positive pressure ventilation and thermal imaging cameras, to optimize the response time and ensure the appropriate safety of firefighters.

Who should attend?

This course is beneficial for firefighters with basic skills who would like to improve their knowledge of firefighting procedures.

Prerequisites

Course participants must:

- possess basic technical skills (be certified in the use of respiratory protective equipment);
- be physically capable of performing strenuous work during the performance of the practical training sessions and therefore meet the medical requirements of their Authority Having Jurisdiction (AHJ);
- be proficient in English, Slovenian, Croatian or Serbian.

Further Training


- Basic ARFF Course
- ARFF Refresher Course
- Basic Hazardous Materials Course


Our partner


Training Centre for Civil Protection and Disaster Relief of the Republic of Slovenia



Basic Hazardous Materials Course

 Duration: One week

 Language: English, Slovenian

 Date and location: Courses can be arranged at any time on different locations.

What will participants learn?

Our HazMat training course provides participants with detailed knowledge on the classifications of HazMat, the basics of response, protective levels, danger zones, tactical approaches and decontamination procedures. Command and control in several scenarios will be trained in parallel to give a wider picture of this complex area. Practical tests with different classes will give a good basis for practical work.

Live chemical training will be provided in order to show all the specifics of different material properties and the steps to minimize the consequences. Use of personal protective equipment at 4 levels will be trained practically. Tactical approaches for each HazMat class will be presented and trained. Lifesaving as important approach is a special focus of our training process. The decontamination process for responders and victims will be explained and trained.

Who should attend?

The training is tailored to all volunteer, professional city fire departments, and aircraft rescue and firefighting service employees.

Prerequisites

Course participants must:

- successfully finish Fire Fighter II,
- be proficient in English or Slovenian.

Further Training

- Critical Incident Stress Management Course
- Disaster Management Course

Our partner

Training Centre for Civil Protection and Disaster Relief of the Republic of Slovenia





Basic ARFF Course



Duration: Three weeks or customised



Language: English, German, Slovenian



Date and location: Courses can be arranged at any time on different locations.

Effective aircraft rescue and firefighting accident response requires well-trained and highly motivated firefighters who are able to perform various tasks effectively during aircraft rescue and firefighting operations. An airport firefighter must be knowledgeable in all fields of aircraft rescue and firefighting tactics. In addition to traditional basic firefighter knowledge, airport firefighters must be able to perform specific techniques and use special equipment in order to mitigate airport emergencies. This training programme consists of theoretical instruction in the classroom, which will be enhanced by practical “hands-on” training. The course curriculum has been developed based on the Standards and Recommended Practices (SARPs) published by the International Civil Aviation Organization, as well as on internationally recognized fire protection standards developed and published by EASA Regulation 139 and the National Fire Protection Association. The course is additionally based on the following standards and regulations:

- NFPA 402, Guide for Aircraft Rescue and Firefighting Operations,
- NFPA 403, Standard for Aircraft Rescue and Firefighting Services at Airports,
- NFPA 422, Guide for Aircraft Accident Response,
- IFSTA, Aircraft Rescue and Firefighting.

What will participants learn?

On completion of this course, participants will be able to:

- explain typical airport infrastructure, airfield operations and airport communication systems;
- understand aircraft construction and design;
- identify the hazards associated with commercial and military aircrafts;
- understand the concepts, principles and theory of aircraft fire fighting and rescue tactics;
- explain the extinguishing effects and application of foam extinguishing agents;
- define the level of protection required at airports based on their airport classification as defined by ICAO;
- understand the concepts of incident management to include mass casualty management and triage;

- understand the concepts and components of an airport emergency plan;
- explain the role and responsibility of airport firefighters in aircraft accident investigation;
- identify local, state, federal and international laws governing commercial aviation;
- implement tactics and strategies, including tactical approach, initial attack, and the selection, application, and management of ARFF extinguishing agents required for aircraft fire suppression and rescue operations;
- perform search and rescue operations.

Participants, working together as a team, are challenged by a variety of typical aircraft fire scenarios. They will combat and extinguish:

- wing engine fires,
- wheel and brake assembly fires,
- cargo compartment fires,
- fuel spill fires,
- cockpit fires,
- galley fires,
- cabin fires.

Who should attend?

This course is beneficial to airport firefighters who would like to improve their Fire Fighter I and II knowledge to be better prepared for the demanding challenges of aircraft rescue and firefighting operations.

Prerequisites

Course participants must:

- possess basic technical skills (be certified in the use of respiratory protective equipment);
- be physically capable of performing strenuous work during the performance of the practical training sessions and therefore meet the medical requirements of their Authority Having Jurisdiction (AHJ);
- be proficient in English, German, Slovenian.

ARFF Refresher Course



Duration: Three days or on request



Language: English, German, Slovenian



Date and location: Courses can be arranged at any time on different locations.

This course is designed to meet ICAO and EASA regulations, as well as National Fire Protection for the airport firefighter requirements for annual "live-fire" training, and is targeted at airport firefighters or firefighters who respond to airport emergencies who have already completed the Basic and Advanced Structural Firefighting Courses, as well as the Basic ARFF Course. Hands-on field exercises will simulate wheel fires, brake fires, pressurized hydraulic fluid fires, tail and engine fires, interior/cockpit/galley fires and large volume fuel spill fires.

What will participants learn?

This course is designed as a refresher to the Basic Aircraft Rescue Firefighting Course and meets EASA regulation 139 and ICAO Annex 14, Chapter 9. It includes a review of SCBA Handling, Personal Safety, Protective Clothing, Fire Behaviour, Extinguishing Agents, Tools and Equipment, ARFF Vehicle Tactics, Forcible Entry, Ventilation Tactics and Passenger Search and Rescue Tactics. Furthermore, a customized lecture in aviation "News and Updates" will be provided by the Training Center.

On completion of this course, the training participants will be able to:

- implement tactics and strategies, including tactical approach, initial attack, and the selection,

application, and management of ARFF extinguishing agents required for aircraft fire suppression and rescue operations;

- perform search and rescue operations.

Who should attend?

This course is beneficial to firefighters who have already attended Basic Structural Firefighting Courses, Advanced Structural Courses and Basic ARFF Courses.

Prerequisites

Course participants must:

- possess basic technical skills (be certified in the use of respiratory protective equipment);
- be physically capable of performing strenuous work during the performance of the practical training sessions and therefore meet the medical requirements of their Authority Having Jurisdiction (AHJ);
- be proficient in English, German, Slovenian.


Further Training


- Driver Pump Operator Course
- Basic Hazardous Materials Course
- Critical Incident Stress Management Course
- Disaster Management Course






Driver Pump Operator Course

 Duration: Five days or eight days (including virtual DPO simulator)

 Language: English, German, Slovenian (other languages on request)

 Date and location: Courses can be arranged at any time on different locations.

Fire apparatus drivers/operators are responsible for safely transporting firefighters, apparatus, and equipment to and from the scene of an emergency or other call to service. Once on the scene, driver/operators must be capable of operating their assigned apparatus competently, swiftly and safely. They must also ensure that the apparatus and the equipment it carries are ready at all times. This Driver/Pump Operator Course teaches firefighters the skills and knowledge required to effectively and safely drive and operate fire apparatus, and is based on the NFPA® 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications. The course curriculum has been developed based on the Standards and Recommended Practices (SARPs) published by the National Fire Protection Association.

What will participants learn?

On completion of five days course, participants will be able to:

- ensure that the apparatus and the equipment it carries are ready at all times;
- perform routine tests, inspections and servicing functions on a periodic basis;
- understand the importance of vehicle safety checks;
- understand how to operate the apparatus properly, swiftly and safely;
- understand the responsibilities of the fire apparatus driver/pump operator;

- operate pump and foam systems;
- operate accessory devices;
- understand the importance of the tactical positioning of the fire apparatus;
- ensure pumping and drafting operations work smoothly during firefighting activities;
- work with fire department technical equipment.

On completion of eight days course, as an upgraded and extended five days course, participants will, in addition to above mentioned, also be able to:

- position and operate fire department vehicle with the help of virtual driving simulator;
- position and operate fire department vehicle in the training field.

Who should attend?

Both courses are beneficial to firefighters who are assigned to drive and operate fire apparatus.


Prerequisites


Course participants must:


- hold a valid class C driver's licence;
- possess basic technical skills;
- meet the medical requirements of their Authority Having Jurisdiction (corrected far visual acuity of 20/40 with contact lenses or glasses);
- be proficient in English, German, Slovenian.



Customized ARFF Course

 Duration: On request

 Language: English, German, Slovenian, Croatian, Serbian

 Date and location: Courses can be arranged at any time on different locations.

This course prepares airport emergency services personnel to deal with challenges that could arise in case of more complex emergencies and in daily routines as a supervisor, coach, and leader. It consists of theoretical sessions in the classroom enhanced by practical “hands-on” training. The curriculum is based on the Standards and Recommended Practices (SARPs), published by the International Civil Aviation Organization as well as internationally recognized fire protection standards developed and published by EASA Regulation 139 and the National Fire Protection Association.

Each customized course is based on the following standards and regulations:

- NFPA 402, Guide for Aircraft Rescue and Fire-Fighting Operations;
- NFPA 403, Standard for Aircraft Rescue and Fire-Fighting Services at Airports;
- NFPA 422, Guide for Aircraft Accident Response;
- NFPA 1003, Standard for Airport Fire Fighter Professional Qualifications;
- NFPA 1021, Standard for Fire Officer Professional Qualifications;
- IFSTA, Aircraft Rescue and Fire Fighting;
- IFSTA, Fire Company Officer.

What will participants learn?

What firefighters will learn in this course depends on the syllabus of the individual course but in every case they will learn how to lead and motivate the team, understand tactics, strategies, based on different types of aircraft fire and rescue operations and choose appropriate firefighting appliances depending on the type of incident/accident.

Training participants working together as a team will also be challenged with a variety of aircraft fire scenarios depending on the course syllabus ranging from typical fire scenarios to complex emergency responses.

Who should attend?

This course is beneficial to experienced airport firefighters/company officers who would like to expand their knowledge which was gained in ARFF Basic to be better prepared for the demanding challenges of aircraft rescue and fire fighting operations during emergencies and daily fire station duties and to prepare them for the next step in firefighter training Fire Officer - Train the Trainer course.


Prerequisites


Course participants must:


- possess skills acquired in ARFF Basic Course;
- be physically capable of performing strenuous work functions during the performance of the practical training sessions and therefore meet the medical requirements of their Authority Having Jurisdiction (AHJ);
- be proficient in English, German, Slovenian, Croatian or Serbian language.



Basic Disabled Aircraft Recovery Course

 Duration: Five days

 Language: English, German, Slovenian

 Date and location: Courses can be arranged at any time on different locations.

This comprehensive Disabled Aircraft Recovery Course, designed to meet the specific needs of the client, will be conducted at the Fraport AG Fire Training Center® ("FTC") facilities in Frankfurt am Main, Germany. The training consists of academic classroom instruction, enhanced by practical hands on training. The course curriculum was developed based on the Standards and Recommended Practices (SARPs) published by the International Civil Aviation Organization in the Airport Services Manual Part 5, "Removal of Disabled Aircraft", and Annex 14, "Aerodromes", as well as internationally-recognized standards developed and published by the International Aviation Transport Association and the Association of German Airports.

What will participants learn?

The concept of this training plan provides a programme that ensures continued knowledge and skill building in the principles of aircraft recovery. The course begins with initial team training in the basic fundamentals of aircraft recovery, and is followed by extensive hands on practical training. Academic classroom sessions and extensive practical skill training provide the course participants with the right balance of instruction to ensure that each participant is able to meet the learning objectives of this training programme.

The goal of the course is to provide the participants with the information and knowledge required to effectively manage emergency and non emergency airport fire, rescue and emergency services operations. On completion of the training, the participants will be able to identify the key components of an effective airport fire, rescue and emergency management programme, identify planning requirements, and implement solid emergency management programmes at their airport(s).

Who should attend?

This course is beneficial for airport employees from fire rescue services and airline mechanics.

Prerequisites

Course participants must:

- possess basic technical skills and be physically capable of performing strenuous work during the performance of the practical training sessions;
- be proficient in English, German or Slovenian.

Our partner

Fire Training Center (FTC) Frankfurt



Fire Officer Train the Trainer Course



Duration: Six weeks (three times two weeks, or customized)



Language: English, German, Slovenian



Date and location: Courses can be arranged at any time on different locations.

This course prepares airport emergency services personnel to establish Airport Firefighter proficiency training programmes and provides the course participants with the necessary skills and knowledge required to present Aircraft Rescue and Firefighter Training sessions, meeting the training recommendations established by ICAO and NFPA training standards. The course meets the requirements of NFPA 1041, Fire Instructor I and II.

What will the participants learn?

The topics addressed during the course include: the role and responsibilities of the fire and emergency services instructor; adult learning theory and how it applies to emergency service training; the use of instructional methods to engage the student in the learning process; the selection and use of instructional materials and audio-visuals; the selection and use of lesson plans that are commonly available in the fire service; evaluating learning; and the safety principles and methods used to ensure the safety of both student and instructor. The emphasis is placed on developing Airport Firefighter Training and the methods and principles of presenting theoretical and practical ARFF training for airport firefighters.

Who should attend?

This training is beneficial for airport company officers, training officers, instructors in the fire service and industrial fire protection instructors.

Prerequisites

Course participants must:

- already possess a profound knowledge of firefighting;
- be physically capable of performing strenuous work during the performance of the practical training sessions and therefore meet the medical requirements of their Authority Having Jurisdiction (AHJ);
- be proficient in English, German, Slovenian.

Further Training

- Critical Incident Stress Management Course
- Disaster Management Course


Our partner


Fire Training Center (FTC) Frankfurt






Helicopter Firefighting Training Course

 Duration: Two days

 Language: English, Slovenian, Croatian, Serbian

 Date and location: Courses can be arranged at any time on different locations.

Many ARFF courses which are offered by other parties only provide training on aircraft live-fire simulator mock-ups. We decided to take a step forward in ARFF training and make an upgrade to the ARFF Basic/Refresher Course which could also be a stand-alone course for heliport operations, so we now also provide training on the latest helicopter live-fire simulator mock-up. The course itself is targeted at ARFF personnel who have completed the ARFF Basic or Refresher Course, and other personnel who are responsible for fire safety at heliports. The programme consists of theoretical classroom lecture and practical hands-on training in the simulator.

The course curriculum has been developed based on the Standards and Recommended Practices (SARPs) published by the International Civil Aviation Organization, as well as on internationally recognized fire protection standards, developed and published by EASA Regulation 139 and the National Fire Protection Association. The course is additionally in compliance with the following standards and regulations:

- NFPA 402: Guide for Aircraft Rescue and Firefighting Operations,
- NFPA 403: Standard for Aircraft Rescue and Firefighting Services at Airports,
- NFPA 418: Standards for Heliports,
- NFPA 422: Guide for Aircraft Accident Response,
- IFSTA: Aircraft Rescue and Firefighting.

What will participants learn?

On completion of this course, participants will be able to:

- identify types of helicopter and understand helicopter construction and design;
- define the level of protection required at airports, based on their airport classification as defined by the ICAO and NFPA;
- identify safety and hazards associated with commercial and military helicopters;
- carry out search and rescue operations;
- explain the extinguishing effects and application of foam and other extinguishing agents;

- understand the concepts, principles and theory of helicopter firefighting and rescue tactics;
- implement tactics and strategies, including tactical approach, initial attack, and the selection, application, and management of ARFF extinguishing agents required for helicopter fire suppression and rescue operations.

The participants, working together as a team, will be challenged by a variety of fire scenarios. They will combat and extinguish:


- a fuel spill fire,
- an engine fire,
- a cockpit fire,
- a cabin fire,
- an undercarriage fire.


Prerequisites


Course participants must:

- possess basic technical skills (be certified in the use of respiratory protective equipment);
- be physically capable of performing strenuous work during the performance of the practical training sessions, and therefore meet the medical requirements of their Authority Having Jurisdiction (AHJ);
- be proficient in English, Slovenian Croatian or Serbian.

Heliport Operator Training Course

 Duration: Two days

 Language: English, Slovene

 Date and location: Courses can be arranged at any time on different locations.

Different types of heliports all over the world can present a big challenge to all the staff and personnel employed in aviation. Since air transport is still on the rise, we can predict that the number of heliport types will increase in the upcoming years, which consequently also means greater risk of possible accidents and incidents. Surface level heliports are found mostly at airports, which means that equipment and extinguishing agents are easily accessible and airport firefighters and rescue teams are always there in case of any problems. However, the situation at elevated heliports, usually mounted on hospitals, is completely different, and scenarios in the event of fire are highly complex and pose a real challenge to firefighters, since the use of rescue equipment and extinguishing agents is often limited and firefighters need specific knowledge in order to successfully act in the event of an incident.

The participants, working together as a team and armed with appropriate firefighting equipment and appliances, will experience the following scenarios:

- live fire observation and approach decision-making;
- fuel spill fire;
- cabin fire;
- engine fire;
- helicopter fire at heliport, extinguishing using portable monitors.

What will participants learn?

On completion of this course, participants will be able to:

- explain the typical infrastructure of heliports;
- understand helicopter construction;
- identify hazards associated with commercial, rescue and military helicopters;
- understand the concepts, principles and theory of helicopter firefighting and rescue tactics;
- define the level of protection required at heliports based on helicopter category;
- implement tactics and strategies, including tactical approach, initial attack, selection and application of extinguishing agents;
- perform search and rescue operations.

Who should attend?

This course is beneficial to heliport firefighter operators who already have a CAA licence and would like to improve their knowledge in order to be better prepared for the demanding challenges of helicopter rescue and firefighting operations.

Prerequisites

Course participants must:


- possess basic technical skills (be certified in the use of respiratory protective equipment);
- be physically capable of performing strenuous work during the practical training sessions, and therefore meet the medical requirements of their Authority Having Jurisdiction (AHJ);
- be proficient in English or Slovene.





Crisis Management Training



Command and Control Post: Module 1

 Duration: Five days

 Language: English, German or Slovene

 Date and location: Courses can be arranged at any time on different locations.

In the event of crisis situations, knowledge of fire behaviour and firefighting tactics is usually not enough. Besides a basic knowledge of fire, the participants of this course will also obtain the skills related to the operational command post. A willingness to lead and dedication to the job are key prerequisites for good, effective functionality of the command post. This course is targeted towards individuals working as fire officers, incident commanders or head of operations.

What will participants learn?

The participants will learn the basics of operational command posts. The course goal is to present the structure and process of setting up an effective command post. Special emphasis will be given to the different local situations which can occur in each individual country. The participants will acquire basic knowledge of the command system and leadership processes, as well as basic knowledge of individual actions in specific sections.

After completion of the course the participants will be able to:

- understand and work within the operational command system;
- implement and work in compliance with leading system processes;
- set up a basic command post;
- work in an operational command post;
- understand and work in sections S1-S6 of an operational command post;
- understand the work of the operator of situation maps;
- work according to tactical symbols.

Who should attend?

The course is targeted at individuals working as firefighters, fire officers, incident commanders and head of operations.

Prerequisites

Course participants must:

- possess mission-related tactical knowledge;
- have passed the Fire Officer course;
- be proficient in English, Slovene or German.

Further Training

- Command and Control Post: Module 2: Cartography, Management of Situation Maps in Operations building up a situation map, situation map guidance, creation of tactical symbols
- Command and Control Post: Module 3: Command post exercise and solving the current situation

Command and Control Post: Module 2



Duration: Five days



Language: English, German or Slovene



Date and location: Courses can be arranged at any time on different locations.

Besides a broad range of fire knowledge, it is crucial that firefighters who are dealing with crisis situations also obtain special knowledge regarding cartography. This course will teach the participants about different types of maps, tactical symbols, situation reports and how to orient themselves in an unknown area based on the signs on the map.

What will participants learn?

In this training course the participants will obtain knowledge on constructing, handling and managing situation maps.

After the completion of the course the participants will be able to:

- construct a situation report;
- select the appropriate map material;
- read and evaluate the map material;
- find their way in unknown areas;
- know and master tactical symbols;
- use tactical symbols in a precise and clear way;
- handle a situation map.

Who should attend?

The course is targeted at individuals working as firefighters, fire officers, incident commanders and head of operations.

Prerequisites



Course participants must:

- possess mission-related tactical knowledge;
- speak English, German or Slovene;
- have passed Command and Control Course – Module 1: Basics of operational command post.

Further Training

Command and Control Post: Module 3: Command post exercise and solving the current situation

Command and Control Post: Module 3



Duration: Five days



Language: English, German or Slovene



Date and location: Courses can be arranged at any time on different locations.

This course presents a summary and upgrade to the previous two modules. The content of this training is aligned to the knowledge already gained, which is refreshed through some tests and later upgraded with practical exercises. The course consists of theoretical lectures in the classrooms, which are upgraded by two practical training exercises. Organizational and mission-related tactical knowledge will be demanded from the participants over a period of two days and nights.

What will participants learn?

On completion of this course, the participants will be able to:

- organize a command post;
- lead an operational command post, if the qualification is present in the fire department;
- work in all functions;
- lead support staff and employees;
- hold a discussion of the situation;
- operate a situation map.

Who should attend?

The course is targeted at individuals working as firefighters, fire officers, incident commanders and head of operations.

Prerequisites

Course participants must:

- possess mission-related tactical knowledge;
- speak English, German or Slovene;
- have passed Command and Control Modules 1 and 2 or completed Module 2 (participants will be appointed to their function).



Disaster Management Course



Duration: Five days



Language: English, German



Date and location: Courses can be arranged at any time on different locations.

An international airport will be always at the front line of any kind of technical or medical disaster. Airport operators need to be able to implement strategies and plans in case of a large number of casualties, which also includes the dangers of imported infectious diseases, in close cooperation with the local and national public health agencies. Airport operators need to be well prepared with regard to medical treatment in case of a medical disaster or emergency event. All national and international airports are subject to national and international (ICAO – International Civil Aviation Organization) requirements, regulations and laws with regard to personnel and equipment that must be on hand, but the national and international requirements do not amount to much more than having some plasters or bandages at the airport and a physician “on call”. The surrounding cities and communities must realistically deal with the possibility of a disaster. This calls for the preparation of disaster plans, exercises, and continuous review or updating of the plans.

What will participants learn?

During the course participants will learn about rooms or a clinic for emergencies; the work and responsibilities of the emergency clinic; the rescue services; the risk of infectious diseases; disaster prevention plans; and wide body crashes on motorways or surrounding areas.

Who should attend?

This training is aimed at all members of professional groups who are included in these kinds of disaster scenarios.

Further Training

Critical Incident Stress Management Course



Critical Incident Stress Management Course



Duration: Two days



Language: English, German



Date and location: Courses can be arranged at any time on different locations.

Disasters and incidents which cause devastating damage always result in intensive media coverage and extended public discussions. The high-speed train accident in Eschede, Germany, the avalanche incident in Galthür, Austria, the Concorde aircraft crash in Paris, the accident on the funicular train in Kaprun, Austria, and, above all, the terrorist attacks in the United States, are examples of such long-term discussions in the media. Apart from reporting on the extent of the disaster and its victims and causes, the media is also increasingly focusing its attention on helpers, members of rescue teams and other emergency service personnel. Discussing the consequences of such missions on the personal emotions of members of rescue teams, and the question of how to cope with such situations, have increasingly gained importance. This topic has also been discussed within rescue organisations and, thanks to such discussions, the self-image of these professional groups has changed. These discussions revealed that it is necessary to implement a special "method of treatment" for members of these professional groups. This method should be efficient and, at the same time, different from measures which are usually undertaken in psychotherapy. One of the methods, which fulfils these criteria and has been introduced in several organizations, is called Critical Incident Stress Management (CISM).

What will participants learn?

In general, we can assume that members of certain professional groups, such as rescue services, firefighters, members of the police and the armed forces, pilots, and air traffic controllers are, due to their training, experience and personality, better prepared to cope with unusual situations than others who are not members of these professional groups. However, there are occurrences which reach beyond the normal, in other words, beyond the extended scope of experience of members of these professional groups. Such incidents may therefore have a considerable traumatising potential. In most cases, the individual's coping strategies are not enough to fully cope with these critical incidents. It seems impossible for the person affected to re-assess the situation, and they cannot rely on their previous experience in order to be able to cope. These reactions are usually more intense and last for a longer period of time than normal. The goal of this course is to teach participants how to avoid post-traumatic stress disorder and reduce stress after traumatic events.

Who should attend?

This course is beneficial for all those who have major roles in crisis events.

Prerequisites

Course participants must be proficient in English or German.





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We reserve the right to change and adopt offered courses
at any time.

