



Fundusze Europejskie
dla Rozwoju Społecznego



Rzeczpospolita
Polska

Dofinansowane przez
Unię Europejską



Description of the Subject of the Contract

Training for HEMS crew members and medical personnel on the use of the
helicopter hoist (HHO)

CPV code for the contract: 80511000-9



1. Awarding Entity

Lotnicze Pogotowie Ratunkowe, beneficiary of the project “Training for Lotnicze Pogotowie Ratunkowe’s Staff,” number: FERS.01.13-IP.07-0009/25, implemented under the European Funds for Social Development 2021–2027 (FERS), co-financed by the European Social Fund Plus.

2. Subject of the Contract

The subject of the contract is to conduct a series of two-day, in-person theoretical and practical training sessions on the operation and use of a helicopter hoist (HHO – Helicopter Hoist Operation). The objective of the training is to familiarize participants with the characteristics of helicopter operations using an on-board hoist and to acquire basic skills for evacuating a casualty when it is impossible to land. Trained HEMS crew members will possess practical skills in operating the on-board hoist, and physicians will learn methods for safely descending from the helicopter during medical rescue operations, which will increase their chances of successfully rescuing and quickly evacuating the patient.

Upon completion of the training, each participant will receive a certificate confirming completion of the training, which, if possible, will include graphics specified by the Awarding Entity.

3. Requirements Regarding the Format of Training

Training shall be conducted in a classroom setting. Classes shall be conducted in Polish or English. The Contractor shall offer training in a full-scale, movable replica of the Airbus EC 135 or EC 145 helicopter cockpit in the medical configuration (with a stretcher) equipped with a winch located on the left side of the fuselage. The winch shall be capable of physically lifting and lowering training participants. The helicopter cabin replica shall be located in an enclosed room and allow for the performance of the necessary procedures discussed in the theoretical portion of the training. The helicopter cabin replica should allow for vertical and horizontal movements, pitch and roll that simulate the helicopter’s behavior, and rotations around its own axis (360 degrees to the left and right) to the extent necessary to perform practical exercises. The equipment shall enable communication among the crew. The simulator’s movements shall



simulate the processes occurring in a helicopter during a rescue operation using an onboard winch, namely transitioning to hover, hovering, and departing from the exercise site, as well as simulating downwash from the helicopter's rotor along with sound effects. The practical training room shall be capable of simulating various terrain conditions (space limited by physical obstacles such as a building, body of water, sloped terrain, wall, etc.) and weather conditions, in particular wind, gusts of wind, rain, and fog. The room shall have sufficient space to carry out various simulated rescue scenarios, including, among others:

- taking a seat in the cab,
- flying to the rescue operation site,
- hovering and winch operations using various rescue techniques

The onboard winch shall be technically capable of handling operations involving one or two people along with their equipment during standard rescue operations. The length of the winch rope, measured from the floor to the landing gear of the helicopter mock-up, shall be at least 12 meters.

The training shall consist of theoretical and practical components. Classes on each training day shall last at least 8 hours. The duration of the theoretical component shall be at least 3 hours.

The theoretical portion shall cover, at a minimum, the following topics:

1. Preparing the winch for HHO operations;
2. Personal equipment for personnel to carry out HHO missions;
3. Limitations on winch use;
4. Standard procedures for using the winch during flight, including general rules for crew communication, hand signals, and general crew co-operation;
5. General guidelines for handling abnormal and emergency situations during HHO operations;
6. Methods for conducting HHO operations in various terrains;
7. Standard procedures for dropping off and picking up passengers - ensuring safety.

The practical portion shall cover the topics discussed in the theoretical training to the greatest extent possible, including:

1. A review of safety rules;
2. Preparing the crew for flights using the onboard winch;



3. Inspection of the winch and equipment;
4. General communication rules and hand signals related to winch operations;
5. Operation of the winch by the flight paramedic;
6. Standard procedures for a physician/rescue worker to disembark to perform HHO procedures and then reboard;
7. Methods for loading a patient onto the aircraft;
8. Methods for performing HHO operations on roofs of various shapes, on balconies, and on sloping terrain;
9. Typical procedures for handling abnormal and emergency situations (which can be practiced at the training site);
10. General principles of cooperation between the on-board rescuer (winch operator) and the rescuer (physician) being lowered by the winch.

4. Number of participants and conditions for registration and changes to participant lists

Sixteen members of HEMS crews and LPR medical staff will participate in the training. The Awarding Entity reserves the right to reduce the number of training participants by a maximum of 2 (two) persons. In such a case, the remuneration specified in §3(1) of the Draft Contract Provisions will be proportionally reduced based on the training rate per participant in accordance with §3(1) of the Draft Contract Provisions.

A detailed training schedule, including dates, will be determined in consultation with the Awarding Entity within a maximum of 30 days from the date of signing the contract. One training group will consist of a minimum of 4 and a maximum of 8 people. This group will consist of on-board rescuers (winch operators) and rescuers (physicians lowered using a winch). During the term of the contract, the Awarding Entity shall have the right to nominate training participants. The Awarding Entity reserves the right to make changes to the training dates in consultation with the Contractor. The Awarding Entity shall confirm the final training date 15 days in advance. If a participant withdraws from the training before it begins, the Awarding Entity reserves the right to designate another participant.

5. Completion of the Training and Compensation

Completion of the training is deemed to have occurred upon receipt from the Contractor of a certificate stating that the participant has completed the training. Remuneration for the Contractor will be paid upon completion of the training for each group. Invoices will be issued by the Contractor and sent to the Awarding Entity along with an attendance list and copies of the certificates of completion.

6. Cooperation Between the Contractor and the Awarding Entity

The Contractor will conduct the training in cooperation with the Awarding Entity's designated representatives. The Awarding Entity and the Contractor will designate contact persons authorized to represent them with respect to the performance of this Contract.

7. Deadline for Performance of the Contract

The Contractor undertakes to perform the subject of the contract within a strict deadline of 16 (sixteen) months from the date of signing the contract or the completion of the training by two groups of participants, no later than December 1st, 2027.

8. Detailed Obligations of the Contractor

As part of the performance of the contract, the Contractor is obligated to:

- 1) Provide a training room equipped with the necessary multimedia devices during theoretical classes. The theoretical training shall be conducted in a face-to-face format. The Awarding Entity excludes the possibility of conducting any part of the training remotely.
- 2) Provide practical sessions in accordance with Section 3 of these Specifications.
- 3) Ensuring the necessary level of safety during exercises.
- 4) Provide instructors to conduct theoretical and practical training in Polish or English.
- 5) Prepare and provide participants, no later than the next business day after the completion of the training, with personalized certificates of completion.

In addition:

9. The Contractor is obligated to fulfill the informational and promotional obligations referred to in the Agreement.



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10. Participation in training sessions is at the sole discretion of the interested parties, which confirms the absence of any gender-based barriers to equality among participants. The Contractor shall not select any project participants. The Contractor shall carry out the subject matter of the Agreement in a manner that ensures equality for all participants.
11. The Contractor is obligated to cooperate with the Awarding Entity at every stage of contract performance, including accepting and participating in audits and inspections related to the subject of the contract.