

**NATO STANDARD**

**APRP-3.3.7.1**

**WATER SURVIVAL TRAINING FOR  
AIRCREWS AND DESIGNATED FLYING  
PERSONNEL**

**Edition A Version 1**

**OCTOBER 2017**



**NORTH ATLANTIC TREATY ORGANIZATION  
ALLIED PERSONNEL RECOVERY PUBLICATION**

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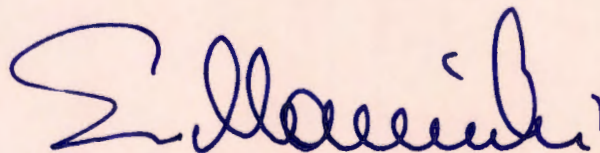
**NORTH ATLANTIC TREATY ORGANIZATION (NATO)**

**NATO STANDARDIZATION OFFICE (NSO)**

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12 October 2017

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<b>CHAPTER 1 INTRODUCTION</b>
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**1.1 REFERENCES/RELATED DOCUMENTS**

- A. STANAG 6511 AJOD (Ed. 1) – AJP-3.7, Edition A, Version 1, ALLIED JOINT DOCTRINE FOR RECOVERY OF PERSONNEL IN A HOSTILE ENVIRONMENT – AJP-3.7.

**1.2 AIM**

1. The aim of APRP-3.3.7.1 is to provide a minimum standard for the training of various aspects of water survival training for aircrews and designated flying personnel in a permissive environment.

**1.3 GENERAL**

1. This document describes water survival training for aircrews and designated flying personnel in a permissive environment, in order to deliver a training schedule for partner nations.

2. This training will contain a water survival initial course (WSIC) and a water survival refresher course (WSRC) provided to designated flying personnel.

3. Duration of the course is a national responsibility. Therefore, partner nations are encouraged that the water survival initial course lasts minimum two days with a real time exercise. However, every nation decides how they conduct water survival training and the duration of this one.

4. The partner nations who provide all aircrews and designated flying personnel with standardized water survival training has to train these personnel to the minimum in the topics here bellow:

- a. Priorities of survival
- b. Medical aspects of water survival
- c. Technical aspects of water survival: equipment
- d. Technical aspects of water survival: procedures
- e. Demonstrations
- f. Raft drill

- g. Open water exercise real time (initial course)
  - h. Learning objectives for water survival training
5. The student will have to demonstrate the knowledge, skills and proficiency required to survive in a water environment after aircraft abandonment.
  6. The student will demonstrate the knowledge, skills and proficiency in using life rafts and survival equipment.
  7. The student will demonstrate awareness of the aspects and dangers of a water survival situation and to assist in their own recovery.

#### **1.4 RE-CERTIFICATION**

1. A refresher course may be provided to all designated flying personnel according to national regulations.

<b>CHAPTER 2 TRAINING CONTENTS</b>
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## **2.1 WATER SURVIVAL INITIAL COURSE (WSIC)**

The Water Survival Initial Course will include at least the following modules.

- Module 1 - Priorities of survival
- Module 2 - Medical aspects of water survival
- Module 3 - Technical aspects: equipment
- Module 4 - Technical aspects: procedures
- Module 5 - Demonstrations of the used equipment
- Module 6 - Raft drill
- Module 7 - Open water exercise real time

## **2.2 WATER SURVIVAL REFRESHER COURSE (WSRC)**

The WSRC, if/when required by national regulations, will include at least the following modules.

- Module 1 - Priorities of survival
- Module 2 - Medical aspects of water survival
- Module 3 - Technical aspects: equipment
- Module 4 - Technical aspects: procedures
- Module 5 - Demonstrations of the used equipment
- Module 6 - Raft drill

## 2.3 TRAINING MODULES DESCRIPTION

### Module 1 – Priorities of survival

<b>Objective</b>	To draw the attention of the trainees on the different aspects of the survival on open water
<b>Training content</b>	<ul style="list-style-type: none"> <li>• Introduction to the sea survival</li> <li>• Characteristics of weather at Sea</li> <li>• Importance of the equipment</li> <li>• Importance of the trainees survival knowledge</li> <li>• Sea Environmental diversities</li> <li>• Priorities of survival</li> </ul>

### Module 2 – Medical aspects of water survival

<b>Objective</b>	To teach how to identify and how to treat health problems on sea
<b>Training Content</b>	<ul style="list-style-type: none"> <li>• Immediate dangers</li> <li>• Short and long terms risks</li> <li>• First aid</li> <li>• Psychological aspects</li> </ul>

### Module 3 – Technical aspects of water survival: equipment

<b>Objective</b>	To impart trainees how to use the equipment available into the kit and bound to the raft
<b>Training Content</b>	<ul style="list-style-type: none"> <li>• Individual &amp; collective equipment</li> </ul>



**Module 4 – Technical aspects of water survival: procedures**

<b>Objective</b>	To impart trainees with the necessary training procedures used in open water survival
<b>Training Content</b>	<ul style="list-style-type: none"> <li>• Raft drill</li> <li>• Signaling</li> <li>• Recovery procedures</li> </ul>

**Module 5 – Demonstrations of the used equipment**

<b>Objective</b>	To teach students the different components of their survival equipment
<b>Content</b>	<ul style="list-style-type: none"> <li>• Life Preserver Unit (LPU)</li> <li>• Raft Single/Multi</li> <li>• Survival Kit</li> </ul>
<b>Specials</b>	Demo survival kit per type of aircraft

## Module 6 – Raft Drill

<b>Objective</b>	To teach the trainees the proficiency drill related to their respective raft
<b>Content</b>	<ul style="list-style-type: none"> <li>• Righting</li> <li>• Boarding (individual/group)</li> <li>• Capsize when boarded</li> <li>• Techniques at (simulated) night</li> <li>• Techniques with (simulated) loaded jacket</li> <li>• Simulated failure equipment</li> <li>• Techniques with simulated injuries</li> </ul>
<b>Specials</b>	<ul style="list-style-type: none"> <li>• Single <ul style="list-style-type: none"> <li>✓ Righting</li> <li>✓ Raft boarding</li> <li>✓ Capsize when boarded</li> <li>✓ All techniques at night (simulated)</li> <li>✓ All techniques with simulated loaded jacket</li> </ul> </li> <li>• Multi <ul style="list-style-type: none"> <li>✓ Righting</li> <li>✓ Individual boarding</li> <li>✓ Group boarding</li> <li>✓ All techniques at night (simulated)</li> </ul> </li> </ul>

**Module 7 – Open water exercise real time (only for WSIC)**

<b>Objective</b>	To give the trainees the opportunity to encounter the reality of a stay on a raft and to use some items available in the survival kit (pump, fishing kit, desalting kit, etc.)
<b>Training Content</b>	<ul style="list-style-type: none"> <li>• On-deck briefing</li> <li>• Demo Pyrotechnics</li> <li>• Immersion</li> <li>• Raft drill</li> <li>• Life at open water (only WSIC)</li> <li>• Recovery (only WSIC)</li> </ul>
<b>Specials</b>	<ul style="list-style-type: none"> <li>• The survival period on open water should last up till the point of understanding giving the trainees the opportunity to encounter the reality of a stay in open water.</li> <li>• The schedule must be defined by the estimated time of recovery.</li> <li>• The trainees should be dressed as per national regulations</li> </ul>

**APRP-3.3.7.1(A)(1)**