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NATO STANDARD

ADivP-07

MINIMUM COMPETENCY AND CURRENCY FOR NATO DIVERS

Edition A Version 1

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NORTH ATLANTIC TREATY ORGANIZATION

ALLIED DIVING PUBLICATION

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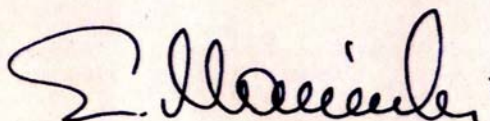
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NATO UNCLASSIFIED**NORTH ATLANTIC TREATY ORGANIZATION (NATO)****NATO STANDARDIZATION OFFICE (NSO)****NATO LETTER OF PROMULGATION**

30 January 2017

1. The enclosed Allied Diving Publication ADivP-07, Edition, A Version 1 – **MINIMUM COMPETENCY AND CURRENCY FOR NATO DIVERS**, which has been approved by the nations in the Military Committee Maritime Standardization Board (MCMSB), is promulgated herewith. The agreement of nations to use this publication is recorded in STANAG 1485.
2. ADivP-07, Edition A, Version 1 is effective upon receipt.
3. No part of this publication may be reproduced, stored in a retrieval system, used commercially, adapted, or transmitted in any form or by any means, electronic, mechanical, photo-copying, recording or otherwise, without the prior permission of the publisher. With the exception of commercial sales, this does not apply to member or partner nations, or NATO commands and bodies.
4. This publication shall be handled in accordance with C-M(2002)60.



Edvardas MAŽEIKIS
Major General, LTUAF
Director, NATO Standardization Office

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NATO Nations

Each Nation may replace this page with its own National Letter of Promulgation

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RECORD OF RESERVATIONS

CHAPTER	RECORD OF RESERVATIONS BY NATIONS
Chapter 1	CZE
Annex 1F	ESP
Chapter 1	EST
Chapter 1 & 2	GBR
Chapter 1 & 2	LTU
Chapter 1 & 2	NOR
Chapter 1	TUR
<p style="text-align: center;">Note</p> <p><i>The reservations listed on this page include only those that were recorded at the time of promulgation and may not be complete. Refer to the NATO Standardisation Document Database for the complete list of existing reservations</i></p>	

RECORD OF SPECIFIC RESERVATIONS

NATION	SPECIFIC RESERVATIONS
CZE	CZE has only engineer divers and other categories of divers are not intended to be established, therefore will not implement Annexes 1A, 1B, 1C, 1D, 1F, 1G and 1H. CZE will postpone implementation of working tasks with the help of water jetting equipment and using welding equipment referred in Annex 1E, Para 1E02 sub para d(4) pending acquisition of knowledge, ability and equipment for these works. CZE will postpone implementation of underwater concreting referred in Annex 1E, Para 1E02, sub para d(5) pending acquisition of knowledge, ability and equipment for these works.
ESP	In STANAG 1485 it is determined that the type of diver SAR, equivalent to BE/NASAR, must have the ability to operate from helicopter/aircraft and carry out minimal training to maintain this capacity. Spanish Navy does not include deployment of Divers by aircraft for BE/NASAR. There is no training or certification for such capacity for this type of divers, so it is necessary to establish the reserve of using helicopters/aircraft for diving operations in the SAR NATO diver defined in the STANAG 1485/ADivP-07.
EST	Currently Estonia cannot implement "Diving in a low acoustic/magnetic configuration" (in Table 1C-1) or "execution of explosive render safe techniques" (in Table 1C2).
GBR	UK Military Divers' currency is detailed in national legislation.
LTU	Lithuanian NAVY has ships divers and clearance divers. Other categories of divers are not intended to be established.
NOR	NOR ratification is limited to capabilities described in STANAG 1372, ADivP-01.
TUR	Turkish Navy does not have any currency standard for the diving supervisors. There is no regulation for Turkish first class divers about "Salvage Diver Specialist Competences" such as "Basket/ Wet bell diving" and "Restricted Water/Confined Spaces Diving (Pages 1B-1 and 1B-2). Turkish First Class Divers do not use any method about saturation diving (Pages 1G-4, 1G-5, 1G-6 and 1G-7).
<p style="text-align: center;">Note</p> <p><i>The reservations listed on this page include only those that were recorded at the time of promulgation and may not be complete. Refer to the NATO Standardisation Document Database for the complete list of existing reservations</i></p>	

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REFERENCES**1. NATO STANDARDISATION COVERING DOCUMENTS**

STANAG 1485 – Minimum Competency and Currency for NATO Divers

2. RELATED DOCUMENTS

- a. ADivP-01 - Allied Guide to Diving Operations
- b. ADivP-02 – Allied Guide to Diving Medical Disorders
- c. ADivP-03 – Standard to Quantify the Characteristics of Granular Carbon Dioxide (CO₂) Absorbent Material for Diving and Hyperbaric Applications
- d. ADivP-04 - Diving Gas Quality
- e. ADivP-05 - Standard Unmanned Test Procedures and Acceptance Criteria for Underwater Breathing Apparatus
- f. ADivP-06 – Diving Systems – Oxygen Cleaning Procedures and Standards
- g. AAP-06 - NATO Glossary of Terms and Definitions
- h. AJP-03.12 - Allied Joint Doctrine for Military Engineering
- i. ALP-1 - Procedures for Logistic Support Between NATO Navies
- j. ALP-1.1 - Catalogue of Naval Port Information
- k. AMP-03 Vol I - NATO Mine Countermeasures Vehicles and Equipment
- l. APP-11- NATO Message Catalogue
- m. ATP-06 Vol I - Naval Mine Warfare Principles
- n. ATP-06 Vol II - Naval Mine Countermeasures Operations Planning and Evaluation
- o. ATP-08 Vol I Doctrine for Amphibious Operations
- p. ATP-08 Vol II Tactics, Techniques and Procedures for Amphibious Operations
- q. ATP-10 - Search and Rescue
- r. ATP-3.12.1 – Allied Tactical Doctrine for Military Engineering
- s. ATP-24 Vol I - Naval Mine Countermeasures - Tactics and Execution
- t. ATP-52 - Land Force Combat Engineer Doctrine

CONVENTIONS USED IN THIS PUBLICATION

CHANGE SYMBOLS

Revised text in changes is indicated by a black vertical line in either margin of the page, like the one printed next to this paragraph. The change symbol indicates added or restated information. A change symbol in the margin adjacent to the chapter number and title indicates a new or completely revised chapter.

WARNINGS, CAUTIONS, AND NOTES

The following definitions apply to warnings, cautions, and notes used in this manual:



WARNING

AN OPERATING PROCEDURE, PRACTICE, OR CONDITION THAT MAY RESULT IN INJURY OR DEATH IF NOT CAREFULLY OBSERVED OR FOLLOWED.



CAUTION

AN OPERATING PROCEDURE, PRACTICE, OR CONDITION THAT MAY RESULT IN DAMAGE TO EQUIPMENT IF NOT CAREFULLY OBSERVED OR FOLLOWED.

Note. *An operating procedure, practice, or condition that requires emphasis.*

WORDING

Word usage and intended meaning throughout this publication is as follows:

“Shall” indicates the application of a procedure is mandatory.

“Should” indicates the application of a procedure is recommended.

“May” and “need not” indicates the application of a procedure is optional.

“Will” indicates future time. It never indicates any degree of requirement for application of a procedure

CHAPTER 1 – INTRODUCTION

R

0101 General

It is generally known that working under pressure increases the health risks. The risks are related to the water depth, reliance on equipment used, and other external factors. To control these risks military divers are well trained and strive for a high standard of competency and currency. Declaring a diver/supervisor competent and current implies that the diver/supervisor has demonstrated the task while employing the diving equipment and associated tools at significantly representative depths and in commensurate environmental conditions. The standards must not only overcome the above mentioned generally known risks, but must also compensate for the risks related to the military environment (e.g. explosives & tactical scenario).

0102 Aim

1. The aim of this publication is to establish and document minimum standards of competency and currency with regard to different types of divers recognised within NATO Forces, (as detailed in Chapter 3 of ADivP-1) and to provide guidance to commanders on minimum standards of competency and currency capabilities within the different categories of NATO divers.
2. The document is intended to be the reference point for competence of diving personnel. It is intended that national organisations will use the relevant sections of this document in order to develop their own detailed standards

0103 Agreement

1. Not all divers and diving supervisors need be proficient in all the categories shown at Annexes 1A-1H, but where any diver is trained in a specific category that training should meet the minimum standard of proficiency shown in the respective Annex.
2. Minimum standards of proficiency for assistants to trained divers are not given and the responsibility to provide trained attendants/tenders rests within individual national organisations.

0104 Terminology

1. This STANAG describes the competency and currency required to support a capability and the training that underpins that requirement.
2. Training is the method of giving formal instruction to an individual or group, this training may be the minimum standard, for that individual or group, to conduct a task safely. Further on-job training or assessment may be required to achieve full competency.
3. The repetition and successful demonstration of that skill, to the appropriate level of complexity, within a defined period, will determine their currency and therefore capability to conduct a task.

4. Competency:

a. **Military and Government Civilian Employee Diver Competency.** A Diver's competency is described as being someone who is competent to do the work allocated to them within the diving task. A basic level of diving competence may be assumed from a diver who has an approved diving qualification issued by a NATO member. They should have an appropriate understanding of diving physics and physiology and decompression. They should be able to recognise the signs and symptoms of diving-related illnesses in themselves and others and initiate appropriate treatment. They should be able to carry out a diver rescue procedure, including the performance of Diving First Aid. They should be able to initiate appropriate actions in the event of an emergency.

b. **Military and Government Civilian Employee Supervisor Competency.** A Dive Supervisor's competency to supervise a diving task is described as when this person has an approved qualification issued by a NATO member authority and, as a minimum, when the Certification Body considers them to be suitably knowledgeable, practical, reliable; capable of conducting risk assessments; capable of conducting the diving operation in a safe manner; capable of managing members of the diving team appropriately; capable of managing effectively in an emergency and has adequate practical and theoretical knowledge and experience of the diving techniques to be used in the diving operation for which they are appointed.

5. Currency:

a. Currency in diving is defined as a diver and supervisor's state of competence with regard to their level of skill fade in a particular diving practice, procedure or task, through the passage of time since they last completed it. An individual diver's currency in the type of diving practice, procedure or task is a critical factor to be considered by the Chain of Command and correspondingly in the Dive Supervisor's risk assessment, with respect to diving safety and operational effectiveness and efficiency. When a diver is not considered to be current for an operational diving activity for which they are nevertheless qualified to undertake, the Chain of Command must allow time and resources for the diver to regain currency in that particular activity, before the diver is expected to carry it out under operational conditions. If operational circumstances preclude this, the increased risk to safety and operational effectiveness must be assessed and managed by the Chain of Command.

b. The same principles for currency in diving apply to the state of competence of the supervisor to effectively, efficiently and safely supervise particular diving operations.

6. The terms used within this STANAG to describe the different classes of divers are taken directly from ADivP-01 Allied Guide to Diving Operations, they are:

a. **Air Scuba/Ship's Divers.** Are air scuba divers with a minimum qualification to support Force Protection, conduct searches and simple maintenance work underwater.

- b. **Salvage Divers.** Trained for surface supplied air/mixed gas diving. They are qualified to carry out advanced repair and salvage tasks. To include Underwater Investigation of non Naval MCM (NMCM) operations.
- c. **Clearance/EOD Divers.** Trained for air scuba, mixed gas scuba and/or pure oxygen scuba diving. They are qualified to carry out tasks in mine/ordnance search, investigation, disposal, recovery and removal underwater and ashore.
- d. **Combat Swimmers/Combatant Divers.** Trained for pure oxygen and/or mixed gas scuba diving. They are qualified to carry out amphibious assault, clearance/demolition tasks. Combat Divers working with Special Forces are qualified to conduct such operations strictly in accordance with National Regulations.
- e. **Engineer Divers.** Trained for scuba and surface supplied diving. They are qualified to carry out engineer roles to include mobility, counter mobility, survivability and general engineer support (e.g. reconnaissance, breaching, military search, obstacle emplacement, demolition, mitigation of battlefield hazards construction and repair, safety, search and rescue).
- f. **SAR Divers.** Trained for air scuba and swimming equipment. They are qualified to carry out advanced search and rescue techniques.
- g. **Saturation Divers.** Trained for surface supplied diving equipment. They are qualified to carry out diving operations in extreme depths or extreme bottom times.
- h. **Civilian Divers.** Trained for scuba and surface supplied diving. They are qualified to carry out diving operations under the control of their Ministry of Defence. *(This does not include contracted divers).*

Note. Other specific diving related terms used within this publication can be found within the glossary in ADivP-01.

0105 Diving Qualifications

1. Self Contained Air Breathing:

- a. Appropriate knowledge of diving physics, physiology and diving medicine.
- b. Appropriate knowledge of standard and emergency operating procedures.
- c. Appropriate knowledge of AIR decompression procedures.
- d. Operation and user level maintenance of diving equipment.

2. Self Contained Mixed Gas:

- a. Appropriate knowledge of diving physics, physiology and diving medicine.
- b. Appropriate knowledge of standard and emergency operating procedures.
- c. Appropriate knowledge of AIR decompression procedures.
- d. Appropriate knowledge of EAD decompression procedures.

- e. Appropriate knowledge of CO₂ absorption related issues.
- f. Operation and user level maintenance of diving equipment.

3. Self Contained Mixed Gas Greater than 54 m:

- a. Appropriate knowledge of diving physics, physiology and diving medicine.
- b. Appropriate knowledge of standard and emergency operating procedures.
- c. Appropriate knowledge of AIR decompression procedures.
- d. Appropriate knowledge of EAD decompression procedures.
- e. Appropriate knowledge of pre-mixed gas decompression procedures
- f. Appropriate knowledge of constant partial pressure decompression procedures.
- g. Appropriate knowledge of CO₂ absorption related issues.
- h. Operation and user level maintenance of diving equipment.

4. Self Contained Pure Oxygen:

- a. Appropriate knowledge of diving physics, physiology and diving medicine.
- b. Appropriate knowledge of standard and emergency operating procedures.
- c. Appropriate knowledge of OXYGEN UPDT calculation.
- d. Appropriate knowledge of CO₂ absorption related issues
- e. Operation and user level maintenance of diving equipment.

5. Surface Supplied Air:

- a. Appropriate knowledge of diving physics, physiology and diving medicine.
- b. Appropriate knowledge of standard and emergency operating procedures.
- c. Appropriate knowledge of AIR decompression procedures.
- d. Operation and user level maintenance of diving equipment.

6. Surface Supplied Mixed Gas:

- a. Appropriate knowledge of diving physics, physiology and diving medicine.
- b. Advance knowledge of breathing gas/mixture related issues (composition, quality, toxicity, contamination).
- c. Appropriate knowledge of standard and emergency operating procedures.

- d. Appropriate knowledge of decompression procedures.
- e. Operation and user level maintenance of surface-supplied diving equipment.
- f. Appropriate knowledge of Deep Diving Systems (DDSs) operating procedures and user level maintenance.
- g. Appropriate knowledge of First Aid and Basic Emergency medical treatment.
- h. Appropriate knowledge of hygienic procedures in hyperbaric environments.

0106 Implementation of the Standard

This STANAG is implemented when a nation has issued the necessary orders or instructions to the diving forces assigned to NATO prescribing the adoption of the minimum standards of proficiency contained herein.

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ANNEX A TO CHAPTER 1

SECTION 1 - SHIPS DIVER/AIR SCUBA DIVER

R

1A01 General

a. **Tasks Overview.** Ships Diver/Air scuba divers have a minimum qualification to support Underwater Force Protection, conduct searches and simple maintenance tasks underwater.

b. **Capabilities:**

(1) Conduct diving operations to a minimum depth of 15 m in day/night conditions.

(2) Conduct underwater works including, but not limited to:

- Inspections and reporting
- Ship's hull searches
- Simple seabed searches including recovery of objects
- Ship's hull inspections, including simple maintenance tasks

1A02 Competency Standards

a. **Diving Qualifications.** Self Contained Air Breathing in accordance with (i.a.w.) Chapter 1 Para 0105, sub para 1, this is to include:

(1) Buoyancy control.

(2) Differential pressure awareness.

(3) Finning techniques.

c. **Additional Diving Requirements:**

(1) Basic understanding of diver signals/communication systems i.a.w ADivP-01, Chapter 4.

(2) Understanding of the Diving Safety Management System, including national diving regulations, generic and dynamic diving risk assessments.

d. **Working Tasks:**

(1) Execution of inspection and reporting techniques.

(2) Execution of limited area searches.

(3) Execution of limited recovery of objects.

(4) Use of hand tools for simple underwater tasks.

1A03 Currency Standards

- a. **Medical.** To be medically in-date for diving within national requirements.
- b. **Diving.** To fully comply with national requirements to maintain the required diving qualification.
- c. **Working.** To comply with the following table:

Table 1A-1. Ships Diver/Air Scuba Diver Currency Standards

Task	Currency (24 months periods)
Conduct ships hull searches	4 exercises
Conduct simple underwater maintenance tasks.	4 exercises
Conduct simple underwater seabed searches including recovery of small objects	4 exercises

SECTION 2 - SHIPS DIVER/AIR SCUBA DIVER SUPERVISOR**1A04 General**

Tasks Overview. Supervise all Ships Diver/Air Scuba Diver operations.

1A05 Competency Standards**a. Diving Qualifications:**

- (1) Same as Ships Diver/Air Scuba Diver.
- (2) Appropriate national in-date supervising qualification.

b. Competences:

- (1) Full knowledge of, and ability to, supervise standard and emergency operating procedures.
- (2) Appropriate knowledge of decompression procedures.

c. Additional Diving requirements:

- (1) Full understanding of diver signals/communication systems i.a.w ADivP-1, Chapter 4.
- (2) Application of the Diving Safety Management System, including national diving regulations, generic and dynamic diving risk assessments.

d. Working Tasks:

- (1) Plan and supervise diving operations.
- (2) Ensure completion of diving administrative and reporting requirements.

1A06 Currency Standards

a. Medical. To be medically in-date within national requirements.

b. Supervision. To fully comply with national requirements to maintain the required supervision qualification.

c. **Working.** To comply with the following table:

Table 1A-2. Ships Diver/Air Scuba Diver Supervisor Currency Standards

Task	Currency (24 months periods)
Plan, supervise and conduct ships hull searches iaw national regulations.	2 exercises
Plan, supervise and conduct simple maintenance tasks.	2 exercises
Plan, supervise and conduct simple underwater seabed searches.	2 exercises
Plan, Supervise and conduct Emergency Operating Procedures.	2 exercises

ANNEX B TO CHAPTER 1

SECTION 1 - SALVAGE DIVER

R

1B01 General

a. **Tasks Overview.** Diving support to salvage operations which include the recovery, evacuation, and reclamation of damaged, discarded, condemned, or abandoned Allied or enemy material, ships, craft, and floating equipment for reuse, repair, re-fabrication, or scrapping. Naval salvage operations include harbour and channel clearance, diving, hazardous towing and rescue tug services and the recovery of material, ships, craft, and floating equipment sunk offshore or elsewhere stranded.

b. **Capabilities:**

- (1) Conduct diving operations in a maritime environment to a minimum depth of 30 m in day/night conditions.
- (2) Conduct underwater works including, but not limited to:
 - Inspections and reporting
 - Searching and recovery including rigging
 - Cutting and welding
 - Repair and construction
 - Demolition
- (3) Conduct ship hull inspections including wreck surveys.
- (4) Conduct advanced maintenance tasks.
- (5) Support submarine rescue operations.

1B02 Competency Standards

a. **Diving Qualifications:**

- (1) Self Contained Air Breathing i.a.w. Chapter 1 Para 0105, sub para 1.
- (2) Surface Supplied Air i.a.w. Chapter 1 Para 0105, sub para 5.

b. **Specialist Competences:**

- (1) Hard Hat diving.
- (2) Basket/Wet Bell diving.
- (3) Restricted Waters/Confined Spaces diving.

c. **Additional Diving Requirements:**

- (1) Full understanding of diver signals/communication systems iaw ADivP-1, Chapter 4.
- (2) Understanding of the Diving Safety Management System, including national diving regulations, generic and dynamic diving risk assessments.

d. **Working Tasks:**

- (1) Execution of Inspection and reporting techniques.
- (2) Execution of small and large areas search methods.
- (3) Execution of small and large objects lifting techniques.
- (4) Use of cutting and welding underwater tools.
- (5) Use of hydraulic/pneumatic powered underwater tools.
- (6) Execution of explosive demolition techniques.

1B03 Currency Standards

- a. **Medical.** To be medically in-date for diving within national requirements.
- b. **Diving.** To fully comply with national requirements to maintain the required diving qualification.
- c. To comply with the following table with regards to specialist competences:

Table 1B-1. Salvage Diver Specialist Competences

Specialist Competences	Currency (24 months periods)
Hard Hat	4 exercises
Basket/Wet Bell	4 exercises
Restricted water/Confined spaces diving	2 exercises

d. **Working.** To comply with the following table:

Table 1B-2. Salvage Diver Currency Standards

Task	Currency (24 months periods)
Execution of Inspection and reporting techniques	4 exercises
Execution of Small and Large areas search methods	4 exercises
Execution of Small and Large objects lifting techniques	4 exercises
Use of cutting and welding underwater tools	4 exercises
Use of hydraulic/pneumatic powered underwater tools	4 exercises
Use of explosives underwater	2 exercises

SECTION 2 - SALVAGE DIVING SUPERVISOR

1B04 General

Tasks Overview. Supervise all Salvage Diving operations.

1B05 Competency Standards

a. Diving Qualifications:

- (1) Same as Salvage Diver.
- (2) Appropriate national in-date supervising qualification.

b. Specialist Competences:

- (1) Full knowledge of, and ability to, supervise standard and emergency operating procedures.
- (2) Appropriate knowledge of decompression procedures.

c. Additional Diving Requirements:

- (1) Full understanding of diver signals/communication systems i.a.w ADivP-1, Chapter 4.
- (2) Application of the Diving Safety Management System, including national diving regulations, generic and dynamic diving risk assessments.

d. Working Tasks:

- (1) Plan and supervise diving operations
- (2) Ensure completion of diving administrative and reporting requirements.

1B06 Currency Standard

a. Medical. To be medically in-date within national requirements.

b. Supervision:

- (1) To fully comply with national requirements to maintain the required supervision qualification.
- (2) Supervise salvage diving within the last 24 months, including use of Decompression facilities if applicable.

ANNEX C TO CHAPTER 1

SECTION 1 - CLEARANCE/EOD DIVER

R

1C01 General

a. **Tasks Overview.** Trained for air scuba, mixed gas scuba and/or pure oxygen scuba diving. They are qualified to carry out tasks in mine/ordnance search, investigation, disposal, recovery and removal underwater and ashore.

b. **Capabilities:**

- (1) Conduct diving operations in a maritime environment to a minimum depth of 24 m in day/night conditions.
- (2) Conduct underwater tasks including, but not limited to:
 - Inspections and reporting.
 - Searching and recovery.
 - Explosive Ordnance Reconnaissance (EOR).
 - Explosive Ordnance Disposal (EOD).

1C02 Competency Standards

a. **Diving Qualifications:**

- (1) Self Contained Air Breathing i.a.w. Chapter 1 Para 0105, sub para 1.
- (2) Self Contained Mixed Gas i.a.w. Chapter 1 Para 0105, sub para 2.

b. **Specialist Competences:**

- (1) Diving in a low acoustic/magnetic configuration.
- (2) Advanced underwater search techniques .

c. **Additional Diving Requirements:**

- (1) Full understanding of diver signals/communication systems i.a.w ADivP-1, Chapter 4.
- (2) Understanding of the Diving Safety Management System, including national diving regulations, generic and dynamic diving risk assessments.

d. **Working Tasks:**

- (1) Execution of Inspection and reporting techniques.
- (2) Execution of small and large areas search methods including hand held acoustic tools or other technologies.

- (3) Execution of small and large ordnance lifting techniques.
- (4) Execution of explosive render safe techniques.
- (5) Use of explosives underwater.

1C03 Currency Standards

- a. **Medical.** To be medically in-date for diving within national requirements.
- b. **Diving:**
 - (1) To fully comply with national requirements to maintain the required diving qualification.
 - (2) To comply with the following table with regards to specialist competences.

Table 1C-1. Clearance/EOD Diver Specialist Competences

Specialist Competences	Currency (24 months periods)
Diving in a low acoustic/magnetic configuration	4 exercises
Advanced underwater search techniques	4 exercises

- c. **Working.** To comply with the following table:

R

Table 1C-2. Clearance/EOD Diver Currency Standards

Task	Currency (24 months periods)
Execution of inspection and reporting techniques	4 exercises
Execution of small and large areas search methods including hand held acoustic tools or other technologies	4 exercises
Execution of small and large ordnance lifting techniques	4 exercises
Execution of explosive render safe techniques	2 exercises
Use of explosives underwater	2 exercises

SECTION 2 - CLEARANCE/EOD DIVERS SUPERVISOR

1C04 General

Tasks Overview. Supervise all Clearance/EOD diving operations.

1C05 Competency Standards

a. Diving Qualifications:

- (1) Same as Clearance/EOD Divers.
- (2) Appropriate national in-date supervising qualification.

b. Specialist Competences:

- (1) Full knowledge of, and ability to, supervise standard and emergency operating procedures.
- (2) Full knowledge of decompression procedures.

b. Additional Diving requirements:

- (1) Full understanding of diver signals/communication systems i.a.w ADivP-1, Chapter 4.
- (2) Application of the Diving Safety Management System, including national diving regulations, generic and dynamic diving risk assessments.

c. Working Tasks:

- (1) Plan and supervise diving operations.
- (2) Ensure completion of diving administrative and reporting requirements.

1C06 Currency Standards

a. **Medical.** To be medically in-date within national requirements.

b. Supervision:

- (1) To fully comply with national requirements to maintain the required supervision qualification.
- (2) Supervise Clearance/EOD diving within the last 24 months, including use of Decompression facilities if applicable.

ANNEX D TO CHAPTER 1

SECTION 1 - COMBAT SWIMMER/COMBATANT DIVER

R

1D01 General

a. **Tasks Overview.** Trained for air scuba, mixed gas scuba and/or pure oxygen scuba diving. They are qualified to carry out amphibious assault, clearance/demolition tasks. Combat Divers working with Special Forces are qualified to conduct such operations strictly in accordance with National Regulations.

b. **Capabilities:**

(1) Conduct pure oxygen diving operations to a minimum depth of 6 m in day/night conditions.

(2) Conduct the following tasks i.a.w. AJP-3.5:

- Reconnaissance
- Clearance
- Demolition
- Combat Operations

1D02 Competency Standards

a. **Diving Qualifications:**

(1) Self Contained Air Breathing i.a.w. Chapter 1 Para 0105, sub para 1.

(2) Self Contained Pure Oxygen i.a.w. Chapter 1 Para 0105, sub para 4.

b. **Specialist Competences.** Covert Diving Operations i.a.w AAP-6.

c. **Additional Diving Requirements:**

(1) Full understanding of diver signals/communication systems i.a.w ADivP-1, Chapter 4.

(2) Understanding of the Diving Safety Management System, including national diving regulations, generic and dynamic diving risk assessments.

d. **Working Tasks:**

(1) Execution of inspection and reporting techniques.

(2) Execution of underwater navigation.

(3) Use of explosives underwater.

1D03 Currency Standards

- a. **Medical.** To be medically in-date for diving within National requirements.
- b. **Diving.** To fully comply with National requirements to maintain the required diving qualification.
- c. **Working.** Training of specialist diving skills will be mission dependant iaw national regulations:

Table 1D-1. Combat Swimmers/Combatant Divers Currency Standards

Task	Currency (24 months periods)
Conduct underwater navigation	4 exercises
Use of un explosives derwater.	2 exercises

SECTION 2 - COMBAT SWIMMERS/COMBATANT DIVERS SUPERVISOR

1D04 General

Tasks Overview. Supervise all Combat Swimmers/Combatant Divers operations.

1D05 Competency Standards

- a. **Diving Qualifications.** Appropriate national in-date supervising qualification.
- b. **Specialist Competences:**
 - (1) Full knowledge of, and ability to, supervise standard and emergency operating procedures.
 - (2) Full knowledge of decompression procedures.
- c. **Additional Diving requirements:**
 - (1) Full understanding of diver signals/communication systems i.a.w ADivP-1, Chapter 4.
 - (2) Application of the Diving Safety Management System, including national diving regulations, generic and dynamic diving risk assessments.
- d. **Working Tasks:**
 - (1) Plan and supervise diving operations.
 - (2) Ensure completion of diving administrative and reporting requirements.

1D06 Currency Standards

- a. **Medical.** To be medically in-date within National requirements.
- b. **Supervision:**
 - (1) To fully comply with National requirements to maintain the required supervision qualification.
 - (2) Supervise Combat Swimmers/Combatant diving within the last 24 months, including use of Decompression facilities if applicable.

ANNEX E TO CHAPTER 1**SECTION 1 - ENGINEER DIVER**

R

1E01 General

a. **Tasks Overview.** Engineer Divers are trained for scuba and or surface supplied diving. They are qualified to carry out engineer roles to include mobility, counter mobility, survivability and general engineer support (e.g. reconnaissance, breaching, military search, obstacle emplacement, demolition, mitigation of battlefield hazards, construction and repair, safety, search and rescue).

b. **Capabilities:**

(1) Conduct scuba and or surface supplied diving operations to a minimum depth of 15 m in day/night conditions

(2) Conduct the following tasks i.a.w. ATP-3.12.1.

- Reconnaissance
- Breaching
- Military Search
- Obstacle Emplacement
- Demolition
- Removal or mitigation of Battlefield Hazards
- Construction and Repair
- Safety, search and Rescue

1E02 Competency Standards

a. **Diving Qualifications.** Self Contained Air Breathing i.a.w. Chapter 1 Para 0105, sub para 1.

b. **Specialist Competences:**

(1) Diving in rivers with low visibility and fast water.

(2) Underwater infrastructure maintenance and repair.

c. Additional Diving Requirements:

- (1) Full understanding of diver signals/communication systems i.a.w ADivP-1, Chapter 4.
- (2) Understanding of the Diving Safety Management System, including national diving regulations, generic and dynamic diving risk assessments.

d. Working Tasks:

- (1) Execution of inspection and reporting techniques.
- (2) Execution of search operations.
- (3) Conduct underwater lifting techniques including recovery of objects.
- (4) Use of hand and power tools for underwater tasks. These tools may include:
 - Water jetting and airlifting equipment
 - Bolt Guns
 - Cutting Equipment
 - Welding equipment
- (5) Carry out underwater construction techniques. This may include:
 - Underwater concreting.
 - Use of formwork and casting frames (shuttering).
 - Grouting and sandbagging.
- (6) Use of explosives underwater.

1E03 Currency Standards

- a. **Medical.** To be medically in-date for diving within national requirements.
- b. **Diving.**
 - (1) To fully comply with National requirements to maintain the required diving qualification.
 - (2) To comply with the following table with regards to specialist competences.

Table 1E-1. Engineer Diver Specialist Competences

Specialist Competences	Currency (24 months periods)
Diving in rivers with low visibility and fast water	4 exercises
Underwater infrastructure maintenance and repair	4 exercises

c. **Working.** To comply with the following table.

Table 1E-2. Engineer Diver Currency Standards

Task	Currency (24 months periods)
Execution of Inspection and reporting techniques	4 exercises
Execution of underwater search operations	4 exercises
Conduct underwater lifting techniques including recovery of objects	4 exercises
Use of hand and power tools for underwater tasks.	4 exercises
Carry out underwater construction techniques	4 exercises
Use of explosives underwater	2 exercises

SECTION 2 - ENGINEER DIVER SUPERVISOR

1E04 General

Tasks Overview. Supervise all Combat Swimmers/Combatant Divers operations.

1E05 Competency Standards

a. Diving Qualifications:

- (1) Same as Engineer Diver.
- (2) Appropriate national in-date supervising qualification.

b. Specialist Competences:

- (1) Full knowledge of, and ability to, supervise standard and emergency operating procedures.
- (2) Appropriate knowledge of decompression procedures.

c. Additional Diving requirements:

- (1) Full understanding of diver signals/communication systems i.a.w ADivP-1, Chapter 4.
- (2) Application of the Diving Safety Management System, including national diving regulations, generic and dynamic diving risk assessments.

d. Working Tasks:

- (1) Plan and supervise diving operations.
- (2) Ensure completion of diving administrative and reporting requirements.

1E06 Currency Standards

a. Medical. To be medically in-date within National requirements.

b. Supervision:

- (1) To fully comply with national requirements to maintain the required supervision qualification.
- (2) Supervise engineering diving within the last 24 months, including use of Decompression facilities if applicable.

ANNEX F TO CHAPTER 1

SECTION 1 - SEARCH AND RESCUE (SAR) DIVER

R

1F01 General

a. **Tasks Overview.** Trained for air scuba and swimming equipment. They are specially qualified to carry out advanced search and rescue techniques of personnel in distress.

b. **Capabilities:**

(1) Conduct scuba diving operations to a minimum depth of 15 m in day/night conditions.

(2) Conduct the following tasks:

- Diving in low visibility and currents
- Diving in high sea states
- Perform search and rescue of personnel in distress
- Deploy for diving operations from helicopters/aircraft

1F02 Competency Standards

a. **Diving Qualifications.** Self Contained Air Breathing i.a.w. Chapter 1 Para 0105, sub para 1.

b. **Specialist Competences:**

(1) Diving in low visibility and currents.

(2) Diving in high sea states.

(3) Perform search and rescue in a confined area.

c. **Additional Diving Requirements:**

(1) Basic understanding of diver signals/communication systems i.a.w ADivP-1, Chapter 4.

(2) Understanding of the Diving Safety Management System, including national diving regulations, generic and dynamic diving risk assessments.

(3) Trained for helicopter/aircraft deployed operations

d. **Working Tasks:**

(1) Execution of inspection and reporting techniques.

(2) Execution of advanced underwater search and rescue techniques.

1F03 Currency Standards

- a. **Medical.** To be medically in-date for diving within National requirements.
- b. **Diving.** To fully comply with national requirements to maintain the required diving qualification.
- c. **Working.** To comply with the following table regards to specialist competences:

Table 1F-1. SAR Specialist Competences

Specialist Competences	Currency (24 months periods)
Conduct military and civilian search and rescue	3 dives in confined spaces in 24 months 2 dives utilising a helicopter/aircraft as the deploying platform in 24 months
Conduct military and civilian medical support	First Aid medical training I.A.W. national regulations. First Aid refresher training I.A.W. national regulations
Conduct Helicopter Underwater Escape Training (HUET)	I.A.W. National Regulations

SECTION 2 - SEARCH AND RESCUE (SAR) DIVER SUPERVISOR COMPETENCY STANDARDS

1F04 General

Tasks Overview. Supervise all SAR Diving operations.

1F05 Competency Standards

a. Diving Qualifications:

- (1) Same as Ships Diver/Air Scuba Diver.
- (2) Appropriate national in-date supervising qualification.

b. Specialist Competences:

- (1) Full knowledge of, and ability to, supervise standard and emergency operating procedures.
- (2) Appropriate knowledge of decompression procedures.

b. Additional Diving requirements:

- (1) Full understanding of diver signals/communication systems i.a.w ADivP-1, Chapter 4.
- (2) Application of the Diving Safety Management System, including national diving regulations, generic and dynamic diving risk assessments.

c. Working Tasks:

- (1) Plan and supervise diving operations.
- (2) Ensure completion of diving administrative and reporting requirements.

1F06 Currency Standards

a. Medical. To be medically in-date within National requirements.

b. Supervision.

- (1) To fully comply with National requirements to maintain the required supervision qualification.
- (2) Supervise Search and Rescue diving within the last 24 months.

ANNEX G TO CHAPTER 1

SECTION 1 - SATURATION DIVER

R

1G01 General

a. **Tasks Overview.** Trained for surface supplied diving equipment. They are qualified to carry out diving operations in extreme depths or extreme bottom times.

Note. *These dives are carried out by means of Deep-Diving Systems (DDS) composed of surface assets (Deck Decompression Chambers – DDC) and submersible assets (Pressure Transfer Capsule – PTC also called Submersible Decompression Chamber – SDC).*

b. **Capabilities:**

- (1) Conduct diving operations in day/night conditions using both the “bounce” and “saturation” diving techniques.
- (2) Conduct underwater works including, but not limited to:
 - Inspections and reporting
 - Searching and recovery
 - Cutting and welding
 - Repair and construction
 - Demolition
- (3) Conduct wreck surveys.
- (4) Support submarine rescue operations.
- (5) Support EOD operations.

1G02 Competency Standards

a. **Diving Qualifications:**

- (1) Self Contained Air Breathing i.a.w. Chapter 1 Para 0105, sub para 1.
- (2) Surface Supplied Air i.a.w. Chapter 1 Para 0105, sub para 5.
- (3) Surface-Supplied Mixed Gas i.a.w. Chapter 1 Para 0105, sub para 6.

b. **Specialist Competences:**

- (1) Saturation diving techniques.
- (2) Restricted Waters/Confined Spaces diving.
- (3) Operation of Deep Diving System (DDS).

c. **Additional Diving Requirements:**

- (1) Full understanding of diver signals/communication systems iaw ADivP-1, Chapter 4.
- (2) Full Understanding of the Diving Safety Management System, including national diving regulations, generic and dynamic diving risk assessments.

d. **Working Tasks:**

- (1) Execution of Inspection and reporting techniques.
- (2) Execution of small areas search methods.
- (3) Execution of small and large objects lifting techniques.
- (4) Use of cutting and welding underwater tools.
- (5) Use of hydraulic/pneumatic powered underwater tools.
- (6) Execution of explosive demolition techniques.

1G03 Currency Standards

- a. **Medical.** To be medically in-date for diving within national requirements.
- b. **Diving.** To fully comply with national requirements to maintain the required diving qualification.
- c. To comply with the following table with regards to specialist competences:

Table 1G-1. Saturation Diver Specialist Competences

Qualification	Currency (24 months periods)
Diving by “bounce” techniques to a minimum depth of 80 m breathing helium mixtures; these dives may be carried out in Hyperbaric DDS simulators based ashore.	2 exercises
Diving by means of actual DDS facilities based on board, at any preferred depth (even shallow waters) breathing Air or Mixed Gas	4 exercises

d. **Working.** To comply with the following table:

Table 1G-3. Saturation Diver Currency Standards

Task	Currency (24 months periods)
Execution of inspection and reporting techniques	2 exercises
Execution of small and large areas search methods	2 exercises
Execution of small and large objects lifting techniques	2 exercises
Use of cutting and welding underwater tools	2 exercises
Use of hydraulic/pneumatic powered underwater tools	2 exercises
Execution of explosive demolition techniques	2 exercises

Notes:

1. *The above exercises, if applicable to the mission type, may be accomplished when maintaining other surface-supplied diving categories' currency standard (i.e. under "Salvage Diver" currency standard).*
2. *Prior to starting a saturation operation specific required working skills will be checked by OIC and if deemed necessary adequate time will be dedicated to refresher training.*

SECTION 2 - SATURATION DIVING SUPERVISOR

1G04 General

a. Tasks Overview:

- (1) Direction and control of any “bounce” or “saturation” diving i.a.w. the planning and the detailed scheduled instructions approved by a Saturation Superintendent.
- (2) Responds directly to the Saturation Superintendent in charge of the diving operation and provides direct guidance to both the DDS managing team and diving team during his watch turn.
- (3) Direct link with the vessel’s officer on duty (or facility’s equivalent role when acting apart from a ship) during their watch turn.

b. Capabilities:

- (1) To act as diving supervisor when “on-duty” during all the saturation operation’s phases (compression phase, storage depth, decompression phase).
- (2) To evaluate all emergency situations and to take all the necessary actions providing immediate instructions.

1G05 Competency Standards

a. Diving Qualifications:

- (1) Same as bounce/saturation diver.
- (2) Appropriate national in-date supervising qualification.

b. Specialist Competences:

- (1) Full knowledge of, and ability to, supervise standard and emergency operating procedures.
- (2) Full knowledge of saturation/bounce diving decompression procedures.
- (3) Full knowledge of breathing gas/mixture management.

c. Additional Diving Requirements:

- 2.3.1 Full understanding of diver signals/communication systems i.a.w ADivP-1, Chapter 4.
- 2.3.2 Application of the Diving Safety Management System, including national diving regulations, generic and dynamic diving risk assessments.

d. **Additional Requirements:**

- (1) Appropriate rank/level of responsibility according national Rules.
- (2) Appropriate training according national rules. Some national rules may ask for minimum periods spent as “Trainee Supervisor” and/or minimum period spent as “Saturation Diver”.

c. **Working Tasks.** Capable of planning and supervising the working tasks required of Saturation Divers by the on-going scenario among those listed in Para 1G02, sub para d of Saturation Divers Competencies (Working Tasks) above.

1G06 Currency Standard

a. **Medical.** To be medically in-date within national requirements.

b. **Supervision:**

- (1) To fully comply with national requirements to maintain the required supervision qualification.
- (2) To have supervised an actual or simulated bounce/saturation diving within the last 24 months.
- (3) Full knowledge of Deep Diving System (DDS) in use.

SECTION 3 - SATURATION DIVING SUPERINTENDENT

1G07 General

a. Tasks Overview:

- (1) Planning, direction and control of “bounce” or “saturation” diving.
- (2) Direct link with the OIC of the whole operation which requires bounce” or “saturation” diving.
- (3) Direct link with Medical Officer in charge.

b. Capabilities:

- (1) To evaluate, plan and provide scheduled orders relating to all diving aspects during operations involving bounce/saturation diving.
- (2) To evaluate and manage all emergency procedures and measures.

1G08 Competency Standards

a. Diving Qualifications:

- (1) Same as bounce/saturation diver supervisor.
- (2) Appropriate national in-date superintendent qualification.

b. Specialist Competences:

- (1) Full knowledge of, and ability to, supervise standard and emergency operating procedures.
- (2) Full knowledge of saturation/bounce diving decompression procedures.
- (3) Full knowledge of breathing gas/Mixture management.

d. Additional Requirements:

- (1) Appropriate Rank/Level of Responsibility according national rules.
- (2) Appropriate training according national rules. Some national rules may ask for minimum periods spent as saturation supervisor.

c. Working Tasks. Capable of planning and supervising the working abilities required by saturation divers during on-going scenarios, among those listed in Para 2d of saturation divers competencies (working abilities) above.

1G09 Currency Standard

- a. **Medical.** To be medically in-date within national requirements.

1G10 Diving/Working

- a. To fully comply with national requirements to maintain the required qualification.
- b. To have supervised an actual or simulated bounce/saturation diving within the last 24 months.
- c. Full knowledge of Deep Diving System (DDS) in use.

ANNEX H TO CHAPTER 1**SECTION 1 - CIVILIAN DIVER**

R

1H01 General

Trained for air scuba and or surface supplied diving. They are qualified to carry out diving operations under the control of their respective Ministry of Defence (MOD). They are trained for the specific tasks they are employed for by their MOD and meet the required standards as detailed in Annexes A-G.

SECTION 2 - CIVILIAN DIVER SUPERVISOR**1H02 General**

Supervise respective Civilian Diving operations to the required respective standards as detailed in Annexes A-G.

CHAPTER 2 – DIVING COMPETENCY LEVELS

R

0201 Competency and Currency NATO Military Divers

1. The Competency and Currency (C&C) of individual NATO divers is described in Chapter 1 and the respective Annexes. To determine these C & Cs, Chapter 1 specifies the diving categories existing in the military domain. A risk assessment is the guideline to determine what is needed to ensure the health and safety of the diver commensurate with the task. For this reason, the amount of safety measures should indicate the level of the competency and currency the diver should possess to ensure safe fulfilment of the task. In general the more safety measurements required would indicate a more complex diving operation.

2. Within an operational environment the focus will not be on a singular diver but on the task of a diving team considering their respective competency and currency. This will enable the Field Commander to make a more effective use of resources when employing military divers in the field. Chapter 2 defines ten main focus areas for diving teams and the levels of C & C, which are necessary to fulfil respective objectives.

3. Due to the complex nature of military operations and the requirement to be inclusive of all military services by type, many of the definitions below are inclusive.

4. There are Ten Main Diving Focus Areas to Define:

a. **Force Protection.** The diving assets to support measures and means to minimise the vulnerability of personnel, facilities, equipment and operations to any threat, to preserve freedom of action and the operational effectiveness of the force, in harbour and at sea.

b. **Military Search Underwater.** The diving assets to locate specified targets and objects in support of military search operations.

c. **Maintenance and Construction.** The diving assets to retain equipment in or to restore it to specified conditions until the end of its use, including inspection, testing, modification(s), classification as to serviceability, repair, recovery, rebuilding, reclamation and cannibalisation. And the diving assets to strengthening of civilian structures and military obstacles, preparation and construction of field fortifications and the hardening and construction of protective infrastructure works.

d. **Salvage Operations.** The diving assets to conduct salvage operations which include harbour and channel clearance and the recovery of materiel, ships, craft and floating equipment sunk offshore or stranded elsewhere.

e. **Demolition and Counter Obstacles.** The diving assets for the destruction of structures, facilities, materiel and objects (non explosive hazards) by the use of fire, water, explosives, mechanical, or other means.

f. **Breaching.** The diving assets in support of clearance of route/channel through a barrier or fortification, which is systematically planned or hastily carried out.

g. **NMCM.** The diving assets in support of Naval Mine Countermeasure Operations.

h. **EOR/EOD/IEDD.** The diving assets to Explosive Ordnance Reconnaissance, Explosive Ordnance Clearance, Explosive Ordnance Disposal and Improvised Explosive Ordnance Disposal.

i. **Search and Rescue (SAR).** The diving assets to search for and or rescue of personnel in distress.

j. **Submarine Rescue.** The diving assets in support of submarine rescue operations, which may include in water operations as well as surface/hyperbaric chamber operations.

5. A method similar to the description used in ATP-3.12.1.1 (Allied Tactical Doctrine for Military Search), which describes basic, intermediate and advanced levels needed in an operational environment, is also used in this Chapter. In Para 0202 the ten main tasks, that can be conducted by diving teams, are described. These templates, in relation to each listed task, will primarily provide dissemination on anticipated levels within the military environment. Within each sub paragraph a table is added with descriptions on the necessary diving capabilities needed.

6. As a template a table is used for each operation, where diving tasks are involved, with different levels indicating the level of competency. The first column presents the basic level of competence needed for the task stated. The middle column presents the intermediate level for this task and the last column presents the advanced level. The basic level is seen as a basic military skill each NATO diving team within their specialities possesses. No special additional competency is required besides the minimum diving safety standards for professional diving within the related task. Intermediate level indicates the skills needed for a more complex task than the basic level. Diving teams with special equipment, techniques and procedures are required to conduct advanced level tasks.

7. In general the diving supervisor needs to have completed the training of at least the same level of diving competence they are supervising.

8. To effectively employ limited diving equipment and specialist resources, command should seek advice from a senior diving specialist to assist in the selection of appropriate dive teams required to achieve mission objectives.

9. For the same reason, joining reporting of incoming diving teams including capabilities and limitations are required.

0202 Diving Focus Areas in Support of NATO Operations

1. Force Protection. The diving assets to support measures and means to minimise the vulnerability of personnel, facilities, equipment and operations to any threat, to preserve freedom of action and the operational effectiveness of the force, in harbour and at sea.

	Basic	Intermediate	Advanced
	Force Protection (FP)		
Divers	<p>Basic search techniques e.g. bottom and hull searches.</p> <p>Remove objects utilising hand held tools.</p> <p>Support force protection measures (e.g. nets, barbed wire, UW sensors etc).</p> <p>Explosive Ordnance Awareness.</p>	<p>Explosive Ordnance Reconnaissance.</p> <p>Area Clearance, including Explosive Ordnance counter-charge/Over Pressurisation charge.</p> <p>Specialist search techniques including inspection of underwater structures/ installations).</p> <p>Removal of objects using power tools and lifting techniques.</p> <p>To be suitably trained and equipped to work in an EO threat environment.</p>	<p>Explosive Ordnance Disposal, including:</p> <p>Render Safe Procedures</p> <p>IEDD Tasks.</p>
Diving Supervisor	<p>Qualified to plan, supervise and conduct basic FP diving operations.</p> <p>Verbal or written reporting of conducted work.</p>	<p>Qualified to plan, supervise and conduct intermediate FP diving operations.</p> <p>Reporting in accordance with required reporting systems.</p>	<p>Qualified to plan, supervise and conduct advanced FP diving operations.</p> <p>Qualified to plan, supervise and conduct IEDD tasks.</p> <p>Coordinating with specialist assets and organisations as required.</p> <p>Reporting in accordance with required reporting systems.</p> <p>Advise on the risk of underwater UXO to ships/equipment, underwater structures and personnel.</p>

2. **Military Search Underwater.** The diving assets to locate specified targets and objects in support of military search operations.

	Basic	Intermediate	Advanced
	Military Search Underwater		
Divers	<p>Basic search techniques (e.g. bottom and hull searches).</p> <p>Explosive Ordnance Awareness.</p>	<p>Search techniques IAW ATP 6 & 24.</p> <p>Explosive Ordnance Reconnaissance.</p> <p>To be suitably trained and equipped to work in an EO threat environment.</p>	<p>Search techniques using more sophisticated and capable sensors/equipment.</p> <p>Explosive Ordnance Reconnaissance.</p> <p>To be suitably trained and equipped to work in an EO threat (including Home Made Explosives and Improvised Explosive Devices) environment.</p>
Diving Supervisor	<p>Qualified to plan, supervise and conduct basic Military Search diving operations.</p> <p>Verbal or written reporting of conducted work.</p>	<p>Qualified to act as Search Team Commander.</p> <p>Qualified to plan, supervise and conduct intermediate Military Search diving operations</p> <p>Ensures that the team complies with the Search Advisers orders and adheres to the safety and forensic requirements of the mission.</p> <p>Reporting in accordance with required reporting systems (Ensures that all documentation is completed, where applicable, and that any finds are subjected to the rules of evidence).</p>	<p>Qualified to act as Search Team Commander.</p> <p>Qualified to plan, supervise and conduct advanced Military Search diving operations</p> <p>Ensures that the team complies with the Search Advisers orders and adheres to the safety and forensic requirements of the mission.</p> <p>Reporting in accordance with required reporting systems (Ensures that all documentation is completed, where applicable, and that any finds are subjected to the rules of evidence).</p>

3. Maintenance and Construction. The diving assets to retain equipment in or to restore it to specified conditions until the end of its use, including inspection, testing, modification(s), classification as to serviceability, repair, recovery, rebuilding, reclamation, salvage and cannibalisation. And the diving assets to strengthening of civilian structures and military obstacles, preparation and construction of field fortifications and the hardening and construction of protective infrastructure works.

	Basic	Intermediate	Advanced
	Maintenance and Construction		
Divers	<p>Inspection of simple installations and infrastructure using hand measurement tools (e.g. ships hulls, bridges, locks)</p> <p>Basic repair/ construction, using hand tools</p> <p>Search, locate and recover of objects utilising hand held tools.</p>	<p>Inspection of installations and infrastructure, using photo and video equipment.</p> <p>Repair/construction, using powered tools.</p> <p>Search, locate removal and recovery of objects using power tools and lifting techniques.</p>	<p>Technical inspection of installations and infrastructure using specialised measurement tools.</p> <p>Repair and construction requiring significant external resources and support</p> <p>Professional and or certified repair/ construction as designed, including Forward Deployed Battle Damage Repair.</p> <p>Complex recovery of objects including search, locate and reconnaissance by special tools and techniques. (e.g. side scan sonar, ROVs UUVs).</p> <p>Recovery of objects requiring significant external resources and support.</p> <p>Preparation of objects prior to recovery by explosive means.</p>

	Basic	Intermediate	Advanced
	Maintenance and Construction		
Diving Supervisor	<p>Qualified to plan, supervise and conduct basic Maintenance and Construction diving operations.</p> <p>Verbal or written reporting of inspection and conducted work.</p>	<p>Qualified to plan, supervise and conduct intermediate Maintenance and Construction diving operations.</p> <p>Reporting in accordance with required reporting systems</p>	<p>Qualified to plan, supervise and conduct advanced Maintenance and Construction diving operations, according to (detailed) technical drawings.</p> <p>Coordinating with specialist assets and organisations as required</p> <p>Qualified to plan and supervise the use of explosives.</p> <p>Reporting in accordance with required reporting systems</p>

4. **Salvage Operations.** The diving assets to conduct salvage operations which include harbour and channel clearance and the recovery of materiel, ships, craft and floating equipment sunk offshore or stranded elsewhere.

	Basic	Intermediate	Advanced
	Salvage Operations		
Divers	<p>Survey of objects/ wrecks and structures.</p> <p>Search, locate and recover of objects utilising hand held tools.</p>	<p>Search, locate removal and recovery of objects using power tools and lifting techniques.</p>	<p>Survey of objects/ wrecks and structures for high risk entrances/confined spaces, including post blast investigation and evidence recovery</p> <p>Complex recovery of objects including Search, locate and reconnaissance by special tools and techniques. (e.g. side scan sonar, ROVs UUVs).</p> <p>Recovery of objects requiring significant external resources and support.</p> <p>Preparation of objects prior to recovery by explosive means.</p>
Diving Supervisor	<p>Qualified to plan, supervise and conduct basic diving and recovery operations</p> <p>Verbal or written reporting of conducted work.</p>	<p>Qualified to plan, supervise and conduct intermediate salvage operations</p> <p>Reporting in accordance with required reporting systems</p>	<p>Qualified to plan, supervise and conduct advanced salvage diving operations</p> <p>Coordinating with specialist assets and organisations as required</p> <p>Qualified to plan and supervise the use of explosives.</p> <p>Reporting in accordance with required reporting systems.</p>

5. Demolition and Counter Obstacles. The diving assets for destruction of structures, facilities, materiel and object (non explosive hazards) by the use of fire, water, explosives, mechanical, or other means.

	Basic	Intermediate	Advanced
	Demolition and Counter Obstacles		
Divers	Removal of objects (non explosive hazards) using hand held tools.	Removal of objects (non explosive hazards) using power tools, lifting techniques and/or explosives.	Removal of objects (non explosive hazards) using power tools, lifting techniques and/or explosives, in a hostile environment or covert.
Diving Supervisor	<p>Qualified to plan, supervise and conduct Basic Demolition and Counter Obstacles diving operations.</p> <p>Verbal or written reporting of conducted work.</p>	<p>Qualified to plan, supervise and conduct intermediate Demolition and Counter Obstacles diving operations</p> <p>Qualified to plan and supervise the use of explosives.</p> <p>Reporting in accordance with required reporting systems.</p>	<p>Qualified to plan, supervise and conduct advanced Demolition and Counter Obstacles diving operations</p> <p>Qualified to plan and supervise the use of explosives.</p> <p>Reporting in accordance with required reporting systems.</p>

6. **Breaching.** The diving assets in support of clearance of route/channel through a barrier or fortification, which is systematically planned or hastily carried out.

	Basic	Intermediate	Advanced
	Breaching		
Divers	<p>Explosive Ordnance awareness</p> <p>Clearance/removal of non explosive objects using hand held tools and or explosives.</p>	<p>Explosive Ordnance Reconnaissance</p> <p>Clearance/removal of objects using power tools, lifting techniques and/or explosives.</p>	<p>Clearance/removal of objects using power tools, lifting techniques and/or explosives, in a hostile environment as part of a larger operation, or covertly.</p>
Diving Supervisor	<p>Qualified to plan, supervise and conduct Basic breaching diving operations.</p> <p>Verbal or written reporting of conducted work.</p>	<p>Qualified to plan, supervise and conduct intermediate breaching diving operations</p> <p>Qualified to plan and supervise the use of explosives.</p> <p>Reporting in accordance with required reporting systems.</p>	<p>Qualified to plan, supervise and conduct advanced breaching diving operations</p> <p>Qualified to plan and supervise the use of explosives.</p> <p>Reporting in accordance with required reporting systems.</p>

7. **NMCM Operations.** The diving assets to carry out NMCM operations in the maritime domain.

	NMCM Operations		
	Basic	Intermediate	Advanced
Divers	<p>Search techniques IAW ATP-6 & 24.</p> <p>Explosive Ordnance Awareness.</p> <p>To be suitably trained and equipped to work in a mine threat environment.</p>	<p>Explosive Ordnance Reconnaissance.</p> <p>Explosive Ordnance Clearance utilising Counter Charge/Over Pressurisation Charge</p> <p>Specialist search techniques.</p>	<p>Explosive Ordnance Disposal, including:</p> <p>Render Safe Procedures.</p> <p>Mine Investigation/Exploitation.</p> <p>Very Shallow Water (VSW) Tasks.</p>
Diving Supervisor	<p>Qualified to plan, supervise and conduct basic NMCM diving operations.</p> <p>Verbal or written reporting of conducted work.</p>	<p>Qualified to plan, supervise and conduct intermediate NMCM diving operations.</p> <p>Reporting in accordance with required reporting systems.</p>	<p>Qualified to plan, supervise and conduct advanced NMCM diving operations.</p> <p>Qualified to plan, supervise and conduct VSW operations.</p> <p>Reporting in accordance with required reporting systems.</p>

8. h. **EOR/EOD/IEDD.** The diving assets to Explosive Ordnance Reconnaissance, Explosive Ordnance Clearance, Explosive Ordnance Disposal and Improvised Explosive Ordnance Disposal.

		EOD/CIED		
		Basic	Intermediate	Advanced
Divers	Search techniques (e.g. hull, bottom and underwater structures/ installations searches).	Explosive Ordnance Reconnaissance.	Explosive Ordnance Clearance utilising Counter Charge/Over Pressurisation Charge	Explosive Ordnance Disposal, including: Render Safe Procedures
	Explosive Ordnance (EO) Awareness.	Specialist Search Techniques.	To be suitably trained and equipped to work in a EO threat environment.	Ordnance Investigation/ Exploitation. IEDD and counter IED Tasks. Post blast investigation
Diving Supervisor	Qualified to plan, supervise and conduct basic EO diving operations.	Qualified to plan, supervise and conduct intermediate EO diving operations.	Qualified to plan, supervise and conduct advanced EO diving operations	Qualified to plan, supervise and conduct IEDD and counter IED tasks.
	Verbal or written reporting of conducted work.	Reporting in accordance with required reporting systems.	Reporting in accordance with required reporting systems.	Reporting in accordance with required reporting systems. Advise on the risk of underwater UXO to ships/equipment, underwater structures and personnel.

9. **Search and Rescue.** The diving assets to search for and or rescue of personnel in distress.

		Search and Rescue		
		Basic	Intermediate	Advanced
Divers	Recovery of personnel utilising suitably trained surface swimmers.		Search and rescue diving in moderate conditions and confined spaces.	<p>Complex recovery involving confined space search and rescue diving.</p> <p>Capable of operating from various aircraft types.</p> <p>Capable of operating in adverse environmental conditions day and night.</p>
Diving Supervisor	No diving supervision required.		<p>Qualified to supervise and conduct intermediate search and rescue operations.</p> <p>Reporting in accordance with required reporting systems.</p>	<p>Qualified to supervise and conduct advanced SAR diving operations</p> <p>Coordinating with specialist assets and organisations as required</p> <p>Reporting in accordance with required reporting systems.</p>

10. Submarine Rescue Support. The diving assets in support of Submarine Rescue Operations which may include in water operations as well as surface/hyperbaric chamber Operations.

Submarine Rescue Support			
	Basic	Intermediate	Advanced
Divers	<p>Connection and disconnection of descent/safety lines to the submarine hull utilising standard hand tools.</p> <p><i>(DISSUB spot survey)</i> Inspection & reporting utilising portable photo/video instruments/equipment.</p> <p><i>(Transponder positioning)</i> basic in-water objects' handling and buoyancy control (lifting) techniques to put in place U/W transponders.</p>	<p><i>(DISSUB hull survey)</i> Detailed inspection & reporting utilising portable photo/video instruments/ equipment.</p> <p><i>(DISSUB debris clearing)</i> Removal and clearance of small debris from Submarine rescue seats utilising standard hand held tools.</p> <p>Knowledge of DISSUB communication procedures</p> <p><i>(Escapees Assistance)</i> Skilful Rubber boats piloting.</p> <p><i>(Support to U/W rescue assets)</i> ADS/SRV/McCANN/ Bell/SRDS/ROV in-water operational support.</p>	<p><i>Emergency Life Support Stores (pod-posting)</i></p> <p>in-water objects' handling and buoyancy control (lifting) techniques to deliver ELSS.</p> <p><i>(DISSUB debris clearing)</i> Removal and clearance of debris from Submarine rescue seats utilising powered tools.</p> <p><i>(Ventilation)</i> Connection and disconnection of HP/LP air hoses utilising dedicated purpose-built tools.</p> <p><i>(Escapees Assistance)</i> Including clearing foul trunks</p> <p>Utilisation of Decompression Chamber (DC operator).</p>
Diving Supervisor	<p>Qualified to plan, supervise and conduct basic diving operations (i.e. salvage operations basic supervisor).</p> <p>Verbal or written reporting of conducted work.</p>	<p>Qualified to plan, supervise and conduct intermediate SMER (Diving aspects).</p> <p>Reporting in accordance with required reporting system.</p>	<p>Qualified to plan, supervise and conduct Advanced SMER (Diving aspects).</p> <p>Capable to act as REC <i>(Rescue Element Commander</i> i.a.w. ATP-57 & ATP-57.1) Senior Diver Consultant.</p> <p>Reporting in accordance with required reporting system.</p>

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