

Translation. Only the Danish version has legal validity.

Order no. 1550 of 17 December 2007 issued by the Danish Maritime Authority

Order on training of and qualification certificates for medical caretakers on board ships (maritime health training programmes)¹

In pursuance of sections 12, 13 and 23 of Act no. 226 of 22 April 2002 on maritime training programmes, the following provisions are laid down:

Introduction

Section 1. In order for a person to obtain a qualification certificate as a medical caretaker on board ships carrying medicaments and medical equipment, cf. Notice A from the Danish Maritime Authority, he shall be trained and qualified in accordance with the guidelines stipulated in this Order.

*Purpose, objective, structure and contents, etc.
of the training programmes*

Section 2. The purpose of the training programmes shall be to qualify the participant to act on his own as a medical caretaker on board merchant vessels and fishing vessels in accordance with Notice A from the Danish Maritime Authority on medical examinations, medical treatment and ship's medicine.

Section 3. The objective of the training programmes is that, after having passed the training, the participant shall be capable of forming part of the crew as an assistant medical caretaker or medical caretaker.

Section 4. The maritime training programmes consist of the training programmes for assistant medical caretakers and caretakers, including supplementary training of medical caretakers.

Subsection 2. The following training programmes and qualification certificates are available:

Training for:	Certificate for medicine chest:
Assistant medical caretaker A	None
Medical caretaker A	Categories A, B and C
Medical caretaker B	Categories B and C
Medical caretaker C	Category C
Supplementary training of medical caretaker A	Categories A, B and C
Supplementary training of medical caretaker B	Categories B and C
Supplementary training of medical caretaker C	Category C
Medical caretaker C, incl. MFAG/passengers	Category C, incl. MFAG and supplement type P

¹ This Order contains provisions implementing parts of Council Directive 92/29/EEC of 31 March 1992 on minimum safety and health requirements for improved medical treatment on board vessels, Official Journal 1992 L 113, p. 19.

Subsection 3. Annexes 1-8 of this Order describe the more specific requirements for the participants' qualifications as well as the structure, contents and duration of the training programmes.

Subsection 4. In Denmark, the medical caretaker training takes place at the Centre of Maritime Health Service (hereinafter referred to as CMS). The medical caretaker B and C training may be offered by other recognised suppliers, cf. section 10.

Validity of certificates and training programme brush-up

Section 5. Certificates issued in accordance with this Order shall be issued with a validity of up to 5 years from the date of issue.

Subsection 2. In order for a medical caretaker to have his qualification certificate renewed, he shall be required to brush-up his first-aid and treatment procedure skills at least every fifth year and to acquire new knowledge. In the case of medical caretakers in passenger ships equipped with medicine chest category C and supplement type P, the training programme shall, however, be brushed-up at least every second year.

Participant evaluation

Section 6. At the end of the training programme, it shall be evaluated for each individual course participant whether he meets the purposes and objectives laid down for the training programme.

Subsection 2. The evaluation shall be made in accordance with the provisions of the Danish Maritime Authority in force, cf. the Order on examinations and evaluation of participants of the maritime training programmes.

Teacher qualifications

Section 7. Teachers at the training programmes stipulated in section 4(2) for medical caretakers A, B and C, incl. MFAG/passengers, shall:

- 1) hold a Danish authorisation as a nurse or medical doctor with at least 4 years' clinical experience and pre-hospital training;
- 2) have documented educational training and qualifications;
- 3) hold a valid certificate for having passed training as a first-aid instructor, approved by the Danish First-Aid Council;
- 4) have taken part in an introductory scheme for teachers at CMS, cf. annex 11; and
- 5) have been instructed about the procedure necessary for first-aid treatment of sticking accidents.

Section 8. Teachers at the training programmes stipulated in section 4(2) for medical caretaker C shall:

- 1) hold a valid certificate for having passed training as a first-aid instructor, approved by the Danish First-Aid Council;
- 2) have educational qualifications; and
- 3) have taken part in an introductory scheme for teachers at CMS, cf. annex 11.

Section 9. In order to function as a teacher at the training programmes stipulated in section 4(2), the teacher shall have arranged at least one medical caretaker course within the last 12 months.

Subsection 2. Teachers who have not arranged at least one of the training programmes stipulated in section 4(2) within the last 12 months shall, in order to be qualified as a teacher, take part in an introductory course for teachers at CMS, cf. annex 11, or take part in a complete course programme as a trainee without any independent responsibility for the course.

Providers of maritime health training programmes

Section 10. Providers of maritime health training programmes shall be recognised in accordance with the regulations of the Danish Maritime Authority on approval and quality control, etc. of maritime training programmes.

Subsection 2. Providers of maritime health training programmes shall ensure that:

- 1) their obligations under the provisions in force on competences, medical supervision and responsibility in connection with teaching and training of health professional disciplines, including the medical responsibility in accordance with the Act on the exercise of the medical profession, are complied with;
- 2) the requirements for safety equipment and teaching facilities, cf. annex 10 of this Order, are complied with;
- 3) the teachers have been taught the sticking procedures and procedures for preventing and handling sticking accidents in accordance with the provisions heron issued by the National Board of Health. The procedures shall have been approved by the person responsible for the providers medico-professional qualifications;
- 4) the training programme is arranged and carried out in accordance with the training plan, cf. annexes 1-8;
- 5) the training is carried out in suitable classrooms with the necessary educational and technical aids, cf. annex 10;
- 6) the requirements for the teachers' qualifications, cf. sections 7, 8 and 9, are complied with;
- 7) the course carried out are evaluated with a view to improvements on an on-going basis;
- 8) a qualification certificate as shown in annex 9 is issued to persons who have passed a medical caretaker training programme in accordance with the requirements of annexes 1-8;
- 9) the Danish Maritime Authority is informed about the civil registration number and full name of persons who have passed the training programme immediately after the completion of each training programme; and
- 10) the issue of qualification certificates is recorded. Such records shall be kept for 5 years and contain sufficient information for the certificate to be re-issued.

Entry into force

Section 11. This Order shall enter into force on 2 January 2008.

The Danish Maritime Authority, 17 December 2007

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Plan for training programme for assistant medical caretaker A

1. Purpose

That the participant, through active participation in the training programme, shall acquire skills so that he can act independently on board providing first-aid and assisting the responsible medical caretaker when treating sick and injured persons in case of diseases and accidents on board ships with trading area A.

2. Objective

After having completed the training programme, the participant shall be capable of assisting the educated medical caretaker in providing medical treatment and of independently providing first-aid on the basis of pre-hospital principles.

The participant shall, among other things:

- 1) have knowledge of the Danish Maritime Authority's "Medical Book" (*Søfartsstyrelsens lægebog*), "Radio Medical records" (*Radio Medical optegnelser*) and the Danish Maritime Authority's "Record, control document and user guidelines" (*Fortegnelse, kontroldokument og brugervejledning*);
- 2) be familiar with his own competence;
- 3) have fundamental knowledge about anatomy and physiology;
- 4) be able to assist in the use of the mobile resuscitation equipment, including independently administer oxygen and use a mechanical aspirator;
- 5) be able to assist in the insertion of an intravenous cannula and of a drip;
- 6) provide nursing and care, assist in the surveillance of injured and ill persons, including the observance of objective and subjective symptoms, the recording and documenting of vital values;
- 7) be able to provide first-aid independently in accordance with pre-hospital principles, cf. Maritime Life Support; and
- 8) have fundamental knowledge of hygiene and an understanding of modes of transmission and the prevention of dissemination and be able to carry out the procedures in consideration of hygienic principles.

3. Contents

- Medicine chest category A.
- General condition.
- Level of consciousness.
- Breathing frequency.
- Pulse frequency.
- Blood pressure.
- Temperature.
- Examination of ill or injured person.
- Assistance when inserting a venous cannula, inserting and looking after a drip.
- Control of fluid balance.

- Head, neck and back injuries.
- Face and teeth injuries.
- Eye injuries.
- Chest injuries.
- Burns, including electricity-related accidents.
- Caustic burns and poisonings.
- Haemorrhages, including shock.
- Muscle and joint injuries and fractures.
- Chest pains.
- Heart failure, including the use of AED.
- Fainting fits.
- Convulsions.
- Drowning accidents, including hypothermia.
- Types of wounds and treatment of wounds.
- Diabetes.
- Hypothermia and hyperthermia.
- Cooperation with Radio Medical and Radio Medical record.
- Hygiene.

4. Framework and methods

- The training programme shall be carried out under conditions that are realistic for the seafarer and with the contents available in a category A chest.
- The teaching shall be arranged with a focus on practical exercises for about two-thirds of the time as well as course attendance and active participation.

5. Requirements

The participant shall have been enrolled for the ship's officer, navigating officer or engineer officer training programme.

6. Duration

Five days.

7. References

- Danish Maritime Authority Medical Book (*Søfartsstyrelsens lægebog*).
- Radio Medical records (*Radio Medical optegnelsen*).
- Danish Maritime Authority Record, control document and user guidelines A (*Søfartsstyrelsens Fortegnelse, kontroldokument og brugervejledning A*).
- Danish Maritime Authority Maritime Life Support.

Plan for training programme for medical caretaker A

1. Purpose

That the participant, through active participation in the training programme, shall acquire skills so that he can act independently on board providing first-aid and act as the responsible medical caretaker when treating sick and injured persons in case of diseases and accidents on board ships with trading area A.

2. Objective

After having completed the training programme, the participant shall meet the training requirements for medical treatment in accordance with regulation VI/4 of the STCW 95 Convention.

The participant shall, among other things:

- 1) be able to use the Danish Maritime Authority's "Medical Book" (*Søfartsstyrelsens lægebog*), "Radio Medical records" (*Radio Medical optegnelser*) and the Danish Maritime Authority's "Record, control document and user guidelines" (*Fortegnelse, kontrolokument og brugervejledning*);
- 2) be familiar with his own competence;
- 3) have fundamental knowledge about anatomy and physiology;
- 4) be able to administer medicaments and use the contents of medicine chest category A;
- 5) have fundamental knowledge about anatomy and physiology in accordance with the STCW requirements;
- 6) be able to use the mobile resuscitation equipment;
- 7) be able to insert an intravenous cannula and a drip and use injection techniques;
- 8) provide nursing and care, examine and survey injured and ill persons, including to observe objective and subjective symptoms, to record and document vital values and to recognise an acutely ill person;
- 9) be able to provide first-aid and pre-hospital medical caretaker procedures independently;
- 10) have fundamental knowledge of hygiene and an understanding of modes of transmission and the prevention of dissemination and be able to carry out the procedures in consideration of hygienic principles; and
- 11) be able to make a Radio Medical record and cooperate with Radio Medical.

3. Contents

- Statutory basis.
- Medicine chest category A.
- General condition.
- Level of consciousness.
- Breathing frequency.
- Pulse frequency.
- Blood pressure.
- Temperature.
- Examination of ill or injured person.
- Insertion of a venous cannula, inserting and looking after a drip.

- Control of fluid balance.
- Insertion of urethral catheter.
- Infectious diseases, including tropical diseases.
- Head, neck and back injuries.
- Eye and teeth injuries.
- Chest injuries.
- Burns, including electricity-related accidents.
- Caustic burns and poisonings.
- Haemorrhages, including shock.
- Muscle and joint injuries and fractures.
- Chest pains.
- Heart failure, including the use of AED.
- Fainting fits.
- Convulsions.
- Women's diseases, including births.
- Mental crises and acute mental disease.
- Types of wounds and treatment of wounds, including saturation and tetanus.
- Stomach aches, including constipation.
- Diabetes.
- Hypothermia and hyperthermia.
- Cooperation with Radio Medical and Radio Medical record.
- Hygiene.
- Deaths.

4. Framework and methods

- The training programme shall be carried out under conditions that are realistic for the seafarer and with the contents available in a category A chest.
- The teaching shall be arranged with a focus on practical exercises for about two-thirds of the time as well as course attendance and active participation.

5. Requirements

The participant shall have passed the training programme for an assistant medical caretaker A or B and been enrolled for – or have passed – the training programme for a senior officer, ship's master, engineer officer, master (restricted) or skipper 1st class on fishing vessels.

6. Duration

Ten days.

7. References

- Danish Maritime Authority Medical Book (*Søfartsstyrelsens lægebog*).
- Radio Medical records (*Radio Medical optegnelsen*).

- Danish Maritime Authority Record, control document and user guidelines A (*Søfartsstyrelsens Fortegnelse, kontroldokument og brugervejledning A*).
- Danish Maritime Authority Maritime Life Support.

Plan for training programme for medical caretaker B

1. Purpose

That the participant, through active participation in the training programme, shall acquire skills so that he can act independently on board providing first-aid and act as the responsible medical caretaker when treating sick and injured persons in case of diseases and accidents on board ships with trading area B.

2. Objective

After having completed the training programme, the participant shall meet the training requirements for medical treatment in accordance with regulation VI/4 of the STCW 95 Convention.

The participant shall, among other things:

- 1) be able to use the Danish Maritime Authority's "Medical Book" (*Søfartsstyrelsens lægebog*), "Radio Medical record" (*Radio Medical journalen*) and the Danish Maritime Authority's "Record, control document and user guidelines" (*Fortegnelse, kontrolokument og brugervejledning*);
- 2) be familiar with the legal basis of medical treatment and be aware of his own competence;
- 3) be able to administer medicaments and use the contents of medicine chest category B;
- 4) have fundamental knowledge about anatomy and physiology in accordance with the STCW requirements;
- 5) be able to use the mobile resuscitation equipment;
- 6) be able to insert an intravenous cannula and a drip and to use injection techniques;
- 7) provide nursing and care, survey injured and ill persons, including to observe, register and document vital values and to recognise an acutely ill person;
- 8) be able to provide first-aid and pre-hospital medical caretaker procedures independently;
- 9) have fundamental knowledge of hygiene and an understanding of modes of transmission and the prevention of dissemination and be able to carry out the procedures in consideration of hygienic principles; and
- 10) be able to make a Radio Medical record and cooperate with Radio Medical.

3. Contents

- Statutory basis.
- Administration of medicaments and types of administration.
- Medicine chest category B.
- General condition.
- Level of consciousness.
- Breathing frequency.
- Pulse frequency.
- Blood pressure.
- Temperature.
- Examination of ill or injured person.
- Insertion of a venous cannula, inserting and looking after a drip.

- Injection technique.
- Control of fluid balance.
- Head, neck and back injuries.
- Eye and teeth injuries.
- Burns, including electricity-related accidents.
- Caustic burns and poisonings.
- Haemorrhages, including shock.
- Muscle and joint injuries and fractures.
- Chest pains.
- Heart failure, including the use of AED.
- Fainting fits.
- Convulsions.
- Drowning accidents, including hypothermia.
- Mental crises and acute mental disease.
- Types of wounds and treatment of wounds, including saturation and tetanus.
- Stomach aches, including constipation.
- Diabetes.
- Hyperthermia.
- Cooperation with Radio Medical and Radio Medical record.
- Infections, including scabies.
- Hygiene.
- Deaths.

4. Framework and methods

- The training programme shall be carried out under conditions that are realistic for the seafarer and with the contents available in a category B chest.
- The teaching shall be arranged with a focus on practical exercises for about two-thirds of the time as well as course attendance and active participation.

5. Requirements

The participant shall have been enrolled for the training programme for a master (home trade), skipper 3rd class on fishing vessels or for the basic training programme for professional fisherman. Furthermore, persons holding a valid certificate of competency in navigation (professional), a valid certificate of competency as a second hand in fishing vessels or 24 months' professional experience as a fisherman may be enrolled.

6. Duration

Five days.

7. References

- Danish Maritime Authority Medical Book (*Søfartsstyrelsens lægebog*).
- Radio Medical records (*Radio Medical optegnelsen*).

- Danish Maritime Authority Record, control document and user guidelines A (*Søfartsstyrelsens Fortegnelse, kontroldokument og brugervejledning A*).
- Danish Maritime Authority Maritime Life Support.

Plan for training programme for medical caretaker C

1. Purpose

That the participant, through active participation in the training programme, shall acquire skills so that he can act independently on board providing first-aid and act as the responsible medical caretaker when treating sick and injured persons in case of diseases and accidents on board ships with trading area C.

2. Objective

After having completed the training programme, the participant shall meet the training requirements for medical treatment in accordance with regulation VI/4 of the STCW 95 Convention.

The participant shall, among other things:

- 1) be able to use the Danish Maritime Authority's "Record, control document and user guidelines" (*Fortegnelse, kontroldokument og brugervejledning*);
- 2) be aware of his own competence;
- 3) be able to administer medicaments and use the contents of medicine chest category C;
- 4) be able to observe objective and subjective symptoms and register vital values;
- 5) be able to provide first-aid procedures independently;
- 6) have fundamental knowledge of hygiene and an understanding of modes of transmission and the prevention of dissemination and be able to carry out the first-aid procedures in consideration of hygienic principles; and
- 7) be able to communicate with Radio Medical.

If the ship carries dangerous goods, the participant shall furthermore:

- 1) be able to use the mobile resuscitation equipment, including tongue-depressor; and
- 2) be able to use injection techniques.

3. Contents

- Statutory basis.
- Medicine chest category C.
- General condition.
- Level of consciousness.
- Breathing frequency.
- Pulse frequency.
- Difficulties breathing.
- Burns, including electricity-related accidents.
- Haemorrhages and wounds.
- Muscle and joint injuries and fractures.
- Conditions with suspicion of head, neck and back injuries.
- Drowning accidents.
- Hypothermia.

- Photo-ophthalmia.
- Hygiene and modes of transmission.
- Communication with Radio Medical.

If the ship carries dangerous goods, the contents of the training programme shall be supplemented by:

- Medicine chest category C, incl. MFAG.
- Injection techniques.
- Mobile resuscitation equipment.
- Heart failure, including insertion of tongue-depressor.

Please observe that the training in injection techniques shall be carried out by a nurse or medical doctor!

4. Framework and methods

- The training programme shall be carried out under conditions that are realistic for the seafarer and with the contents available in a category C chest.
- The teaching shall be arranged with a focus on practical exercises for about two-thirds of the time as well as course attendance and active participation.

5. Requirements

The participant shall have been enrolled for the training programme “maritime safety course for professional fishermen” or be a registered professional fisherman.

6. Duration

Two days.

7. References

- Danish Maritime Authority Medical Book (*Søfartsstyrelsens lægebog*).
- Radio Medical records (*Radio Medical optegnelsen*).
- Danish Maritime Authority Record, control document and user guidelines A (*Søfartsstyrelsens Fortegnelse, kontroldokument og brugervejledning A*).
- Danish Maritime Authority Maritime Life Support.

Plan for supplementary training for medical caretaker A

1. Purpose

That the participant, through active participation in the training programme, shall train and maintain his first-aid and treatment procedure skills and acquire new knowledge so that he can maintain his qualification as a medical caretaker on the basis of the “Radio Medical Record” (*Radio Medical optegnelsen*), the “Danish Maritime Authority Medical Book” (*Søfartsstyrelsens lægebog*) and the “Danish Maritime Authority Record, control document and user guidelines” (*Søfartsstyrelsens Fortegnelse, kontroldokument og brugervejledning*) considering the risks occurring and the special needs of various ship types.

2. Objective

After having completed the training programme, the participant shall continue to meet the training requirements for medical treatment in accordance with regulation VI/4 of the STCW 95 Convention.

The participant shall, among other things:

- 1) be acquainted with the most recent the legal basis of medical treatment at sea;
- 2) be able to demonstrate knowledge and practical skills as a pre-hospital caretaker using the “Radio Medical Records” (*Radio Medical optegnelsen*), the “Danish Maritime Authority Record, control document and user guidelines” (*Søfartsstyrelsens Fortegnelse, kontroldokument og brugervejledning*) and the “Danish Maritime Authority Medical Book” (*Søfartsstyrelsens lægebog*) in situations of accidents and diseases;
- 3) be able to demonstrate skills using prescriptions from Radio Medical on the basis of explanations given by the RM medical doctor, the “Danish Maritime Authority Medical Book” (*Søfartsstyrelsens lægebog*), the “Danish Maritime Authority Record, control document and user guidelines” (*Søfartsstyrelsens Fortegnelse, kontroldokument og brugervejledning*) and the “Radio Medical Record” (*Radio Medical optegnelsen*);
- 4) be able to demonstrate knowledge and skills about diseases and accidents frequently occurring on own type of ship;
- 5) be acquainted with and be able to carry out new first-aid and medical caretaker procedures; and
- 6) demonstrate a critical attitude to a prescription on the basis of the “Danish Maritime Authority Medical Book” (*Søfartsstyrelsens lægebog*) and the “Danish Maritime Authority Record, control document and user guidelines” (*Søfartsstyrelsens Fortegnelse, kontroldokument og brugervejledning*).

3. Contents

- Radio Medical, including the “Radio Medical Record” (*Radio Medical optegnelsen*).
- “Danish Maritime Authority Medical Book” (*Søfartsstyrelsens lægebog*).
- “Danish Maritime Authority Record, control document and user guidelines” (*Søfartsstyrelsens Fortegnelse, kontroldokument og brugervejledning*).
- Legislation.

- Specific training in ship-related diseases and accidents.
- First-aid procedures.
- Treatment procedures for pre-hospital medical caretakers.

4. Framework and methods

- The training programme shall be carried out under conditions that are realistic for the seafarer and with the contents available in a category A chest.
- The teaching shall be arranged as refreshment training with a focus on practical exercises for about two-thirds of the time as well as course attendance and active participation.
- The teaching in ship-related diseases and accidents shall correspond to the type of ship that each individual seafarer is engaged on.

5. Requirements

The participant shall have completed the training programme as a medical caretaker A or be a foreign navigator holding a valid STCW certificate. It may be possible to enrol persons on the basis of a separate assessment of actual competences in connection with the re-acquiring of certificates of competency.

6. Duration

Four days. For foreign navigators and other persons who have not completed a training programme corresponding to at least assistant medical caretaker A within the last ten years, the duration is five days.

7. References

- Danish Maritime Authority Medical Book (*Søfartsstyrelsens lægebog*).
- Radio Medical records (*Radio Medical optegnelsen*).
- Danish Maritime Authority Record, control document and user guidelines A (*Søfartsstyrelsens Fortegnelse, kontroldokument og brugervejledning A*).
- Danish Maritime Authority Maritime Life Support.

Plan for supplementary training for medical caretaker B

1. Purpose

That the participant, through active participation in the training programme, shall upgrade his first-aid and treatment procedure knowledge and skills and acquire new knowledge so that he can maintain his qualification as a medical caretaker on ships engaged on voyages in trading area B.

2. Objective

After having completed the training programme, the participant shall continue to meet the training requirements for medical treatment in accordance with regulation VI/4 of the STCW 95 Convention.

The participant shall, among other things:

- 1) be informed about the most recent the legal basis of medical treatment at sea;
- 2) be able to collect data and use the “Radio Medical Record” (*Radio Medical journalen*) and be able to communicate with Radio Medical;
- 3) be able to carry out selected diagnostic procedures corresponding to the contents below and as described in the “Danish Maritime Authority Medical Book” (*Søfartsstyrelsens Lægebog*);
- 4) be able to carry out selected treatment-related procedures corresponding to the contents below and as described in the “Danish Maritime Authority Medical Book” (*Søfartsstyrelsens Lægebog*), including to be able to use the mobile resuscitation equipment, insert an intravenous cannula and a drop and to use injection techniques;
- 5) be able to use new first-aid and pre-hospital medical treatment procedures, including basic resuscitation and defibrillator;
- 6) be able to administer medicaments and use the contents of medicine chest B, including any new equipment/medicaments in the medicine chest; and
- 7) be informed about lifestyle diseases.

3. Contents

- Medicine chest category B.
- General condition.
- Level of consciousness.
- Breathing frequency.
- Pulse frequency.
- Blood pressure.
- Temperature.
- Insertion of a venous cannula, inserting and looking after a drip.
- Injection technique.
- First-aid and medical caretaker procedures in case of accidents, cf. Maritime Life Support.
- Eye injuries.
- Haemorrhages, haemostatis and shock.
- Types of wounds and treatment of wounds, including saturation and tetanus.

- Muscle and joint injuries and fractures, especially of fingers.
- Chest pains. Heart failure, including the use of AED.
- Drowning accidents, including hypothermia.
- Stomach aches, including constipation.
- Lifestyle diseases (diabetes, arteriosclerosis).
- Cooperation with Radio Medical and Radio Medical record.
- Hygiene.

4. Framework and methods

- The training programme shall be carried out under conditions that are realistic for the seafarer and with the contents available in a category B chest.
- The teaching shall be arranged as refreshment training with a focus on practical exercises for about two-thirds of the time as well as course attendance and active participation.
- The teaching in ship-related diseases and accidents shall correspond to the type of ship that each individual seafarer is engaged on.

5. Requirements

The participant shall have completed the training programme as a medical caretaker B. In connection with the re-acquiring of a medical care certificate that is more than ten years' old, in connection with the re-acquiring of a certificate of competency and for foreign fishing skippers, enrolment shall be based on an individual assessment of actual competences.

6. Duration

Three days.

7. References

- Danish Maritime Authority Medical Book (*Søfartsstyrelsens lægebog*).
- Radio Medical records (*Radio Medical optegnelsen*).
- Danish Maritime Authority Record, control document and user guidelines C (*Søfartsstyrelsens Fortegnelse, kontroldokument og brugervejledning C*).
- Danish Maritime Authority Maritime Life Support.

Plan for supplementary training for medical caretaker C

1. Purpose

That the participant, through active participation in the training programme, shall upgrade his first-aid and treatment procedure knowledge and skills and acquire new knowledge so that he can maintain his qualification as a medical caretaker on ships engaged on voyages in trading area C.

2. Objective

After having completed the training programme, the participant shall continue to meet the training requirements for medical treatment in accordance with regulation VI/4 of the STCW 95 Convention.

The participant shall, among other things:

- 1) be acquainted with the most recent the legal basis of medical treatment at sea;
- 2) be able to collect data and communicate with Radio Medical and document the examination/treatment carried out;
- 3) be able to carry out selected diagnostic procedures corresponding to the contents below and as described in the “Danish Maritime Authority Medical Book” (*Søfartsstyrelsens Lægebog*);
- 4) be able to carry out selected treatment-related procedures as described in the “Danish Maritime Authority Medical Book” (*Søfartsstyrelsens Lægebog*), including to be able to use the contents of medicine chest C with special focus on accidents;
- 5) be able to use new first-aid procedures, including basic resuscitation and defibrillator;
- 6) be informed about any new equipment/medicaments in the medicine chest; and
- 7) be informed about lifestyle diseases.

3. Contents

- Statutory basis.
- Medicine chest category C.
- Level of consciousness.
- Breathing frequency.
- Pulse frequency.
- Difficulties breathing.
- Muscle and joint injuries and fractures.
- Heart failure.
- Wounds.
- Photo-ophthalmia.
- Hygiene and modes of transmission.
- Communication with Radio Medical.

4. Framework and methods

- The training programme shall be carried out under conditions that are realistic for the seafarer and with the contents available in a category C chest.
- The teaching shall be arranged as refreshment training with a focus on practical exercises for about two-thirds of the time as well as course attendance and active participation.
- The teaching in ship-related diseases and accidents shall correspond to the type of ship that each individual seafarer is engaged on.

5. Requirements

The participant shall have completed the training programme as a medical caretaker C and hold a valid certificate of competency.

6. Duration

One day.

7. References

- Danish Maritime Authority Medical Book (*Søfartsstyrelsens lægebog*).
- Radio Medical records (*Radio Medical optegnelsen*).
- Danish Maritime Authority Record, control document and user guidelines C (*Søfartsstyrelsens Fortegnelse, kontroldokument og brugervejledning C*).
- Danish Maritime Authority Maritime Life Support.

Plan for supplementary training for medical caretaker C, incl. MFAG/passengers

1. Purpose

That the participant, through active participation in the training programme, shall acquire skills so that he is able to act independently on board as regards first-aid and be the responsible medical caretaker when treating persons who have fallen ill or been injured in connection with diseases and accidents on ships engaged on voyages in trading area C, incl. MFAG/passengers.

2. Objective

After having completed the training programme, the participant shall meet the training requirements for medical treatment in accordance with regulation VI/4 of the STCW 95 Convention.

The participant shall, among other things:

- 1) be able to use the “Danish Maritime Authority Record, control document and user guidelines (*Søfartsstyrelsens Fortegnelse, kontroldokument og brugervejledning*);
- 2) be familiar with his own competence;
- 3) be able to administer medicaments and use the contents of medicine chest category C, incl. MFAG;
- 4) be able to use the mobile resuscitation equipment, including tongue depressor;
- 5) be able to use injection techniques;
- 6) be able to secure the place of injury;
- 7) be able to carry out life-saving first-aid and treatment procedures (ABCD) independently in case of injuries to the crew and passengers;
- 8) be able to document the treatment carried out and hand over the responsibility to the rescue service; and
- 9) be able to communicate with Radio Medical.

3. Contents

- Statutory basis.
- Medicine chest category C, incl. MFAG.
- Injection techniques.
- ABCD examination and treatment.
- Mobile resuscitation equipment, incl. AED.
- First-aid procedures in case of diseases and accidents, cf. ABCD principles.
- Treatment procedures in case of diseases and accidents, cf. ABCD principles.
- Documentation and handling over of responsibility to the rescue service.
- Communication with Radio Medical.

4. Framework and methods

- The training programme shall be carried out under conditions that are realistic for the seafarer and with the contents available in a category C chest, incl. MFAG.

- The teaching shall be arranged with a focus on practical exercises for about two-thirds of the time as well as course attendance and active participation.

5. Requirements

The participant shall have completed the training programme as a medical caretaker A or B.

6. Duration

Two days.

7. References

- Danish Maritime Authority Medical Book (*Søfartsstyrelsens lægebog*).
- Radio Medical records (*Radio Medical optegnelsen*).
- Danish Maritime Authority Record, control document and user guidelines C (*Søfartsstyrelsens Fortegnelse, kontroldokument og brugervejledning C*).
- Danish Maritime Authority Maritime Life Support.

Name of company/institution

Logo

Medical Care Certificate

This is to certify that _____

ID No. _____

Date of birth of the holder of the certificate _____

has been found duly qualified in accordance with the provisions of EEC Directive 92/29/EEC to be in charge of

MEDICAL CARE ON BOARD SHIPS

equipped with ship's medicine chest _____

The holder is qualified to be in charge of medical care on board ships in accordance with the provisions of Regulation VI/4 in the STCW Convention of 1978, as amended in 1995.

Issued date _____

This certificate expires on _____

Stamp

Signature and name of person authorized to issue certificate

Safety equipment and teaching facilities

1. Classroom

Well-lit room with teaching aids.

Washable floor.

Access to washbasin with hot/cold water.

Realistic training room(s) making triage possible and with room for emergency removals.

2. First-aid bags

First-aid bag with contents.

3. Collars and Urias bandage

One set Necloc and one adjustable of each class.

Urias bandage for arm and leg.

4. Intravenous training

Intravenous training arms.

Approved needle bins with fixed lids.

Mattresses and pillows.

5. Wounds and make-up box

With wounds that are relevant in connection with the planned case.

6. Manuals

Medical and first-aid books, records and Radio Medical – records, one copy per course participant.

7. Procedure training

Practice doll, possibility of using tongue-depressor, catheter and birth.

AMBU phantoms.

Teeth with treatment utensils.

Defibrillator (trainer).

Complete medicine chest corresponding to the course, incl. mobile resuscitation equipment.

Suturing instruments.

Venous cannula, infusion set, liquids, syringes and needles.

Bandages, plaster, dermabond, gloves, etc. for exercises.

Stretcher, cf. the Danish Maritime Authority's requirements.

8. Anatomy/physiology

Skeleton.

Organ doll.

9. Other things

Training material for skills training.

Guidance on introductory course at the maritime health training programmes

1. General

The introductory course shall be completed by persons who are to carry out the teaching at the maritime health training programmes at the educational institutions approved by the Danish Maritime Authority.

2. Purpose

The introductory course shall provide the teacher with such knowledge, skills and attitudes, both professionally and educationally, that he is capable of independently arranging, carrying out and checking the teaching at the maritime health training programme. The introductory course shall ensure that the teacher is acquainted with the educational plans and material used for teaching the course in question. Furthermore, the introductory course shall help further the exchange of experiences between colleagues at the educational institutions with the purpose of developing the training programmes.

3. Objective

After having completed the introductory course, the teacher shall:

- be able to carry out theoretical and practical lessons in accordance with the educational plan for the relevant training programme;
- through his teaching and through the use of types of control document that the objective of the teaching has been reached;
- include the tools that the course participants are to use in their everyday work in the teaching, including medicine chest, medical book, inventory of medicaments and Radio Medical report; and
- when carrying out the teaching, ensure that the teaching is practice-oriented.

4. Requirements

The future teacher shall meet the requirements for teacher qualifications stipulated in section 7, 8 or 9 of the Order. It shall also be a precondition that the person in question is to function as a teacher at the maritime health training programmes immediately after the introductory course.

5. Extent

The introductory course shall be arranged on the basis of the future teacher's competences, previous teaching experience, pedagogical training, previous employment and in relation to the level at which he is to teach.

6. Arrangement and carrying out

The introductory course shall be arranged and carried out by the Centre for Maritime Health Service.

7. Tests and control

The course participant will be supervised during the introductory course at the Centre for Maritime Health Service and, should he so request, also at his future teaching institution. The supervisors will be trained personnel from the Centre for Maritime Health Service.

8. Remarks

Subsequently, the teacher will be invited to take part in professional arrangements at the Centre for Maritime Health Service.