| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-i Page: 1 of 27 |
|-----------------------------------|--|-----------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

TP 13008 E

TRAINING STANDARDS FOR MARINE FIRST AID AND MARINE MEDICAL CARE

MARINE SAFETY DIRECTORATE TRANSPORT CANADA

OTTAWA

1997

| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-i Page: 2 of 27 |
|-----------------------------------|--|-----------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

First Aid training has been a pre-requisite for Canadian Certificates of Competency for a long time. International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW), 1978 specified the First Aid training requirements for certificated officers. For Junior officers; this included ability to provide medical aid and take effective action in case of injury or illness likely to occur on board ships while Senior officers were required to have a thorough knowledge in the use of the International Medical Guide and Medical First Aid Guide for dealing with incidents involving dangerous goods. The STCW , 1978 convention as amended in 1995 by Regulations VI/1, VI/4 and AVI/1, AVI/4 of the code is more specific in the requirement of minimum standard of competence in medical first aid and medical care.

As signatory to the STCW convention, Canada is obliged to ensure that seafarers responsible to provide medical first aid and medical care on board Canadian ships, are suitably trained and qualified to render such assistance.

The Marine Safety Directorate of Transport Canada wishes to thank St. John Ambulance, Ottawa, for their valuable assistance in developing this program.

TABLE OF CONTENTS

| CHAI | PTER | | SUBJECT PAGE | Ξ |
|------|------|----------|--|----|
| | COUR | RSE APPI | ROVAL CONDITIONS | |
| 1 | MARI | NE BASI | IC FIRST AID | 1 |
| | | NUMI | BER OF TRAINEES IN A COURSE | 1 |
| | | COUR | RSE GOAL, SUBJECTS AND LECTURE TIME | 1 |
| | 1.1 | ASSES | SSMENT OF NEEDS OF CASUALTIES and threats to own safety | 2 |
| | 1.2 | APPR | ECIATION OF BODY STRUCTURE and FUNCTIONS | 2 |
| | 1.3 | | RSTANDING OF IMMEDIATE MEASURES TO BE TAKEN SES OF EMERGENCY, including the ability to: | |
| | | 1.3.1 | Position casualty | 3 |
| | | 1.3.2 | Apply resuscitation techniques | 3 |
| | | 1.3.3 | | 4 |
| | | 1.3.4 | e | 5 |
| | | 1.3.5 | Apply appropriate measures in event of burns, and scalds, includin accidents caused by electrical current | |
| | | 1.3.6 | Rescue and transport a casualty | 5 |
| | | 1.3.7 | Improvise bandages and use materials in emergency kit | 6 |
| | 1.4 | EXAN | TINATION | |
| 2 | MARI | NE ADV | ANCED FIRST AID | 7 |
| | | NUMI | BER OF TRAINEES IN A COURSE | 7 |
| | | COUR | RSE GOAL, SUBJECTS AND LECTURE TIME | 7 |
| | 2.1 | FIRST | T AID KIT | 8 |
| | 2.2 | | STRUCTURE AND FUNCTION | 8 |
| | 2.3 | TOXI | COLOGICAL HAZARDS | 9 |
| | 2.4 | EXAN | IINATION OF CASUALTY OR PATIENT | 10 |
| | 2.5 | | AL INJURIES | 11 |
| | 2.6 | | NS, SCALDS and effects of heat and cold | 11 |
| | 2.7 | | TURES, DISLOCATIONS and MUSCULAR INJURIES | 12 |
| | 2.8 | | CAL CARE OF RESCUED PERSONS | 13 |
| | 2.9 | | O MEDICAL ADVICE | 13 |
| | 2.10 | | RMACOLOGY | 14 |
| | 2.11 | | ILIZATION | 14 |
| | 2.12 | | DIAC ARREST, DROWNING AND ASPHYXIA | 14 |
| | 2.13 | EXAN | IINATION | |

| Transport Canada | Issue Date: August 1997 | Ref: 13008-INF-iii |
|------------------|--|--------------------|
| Marine Safety | Approved by: AMSP | Page: 4 of 27 |
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND MARINE MEDICAL CARE | Revision No: 00 |

3

| MARIN | E MEDICAL CARE | 15 |
|------------------|---|----|
| | NUMBER OF TRAINEES IN A COURSE | 15 |
| | COURSE GOAL, SUBJECTS AND LECTURE TIME | 15 |
| 3.1 | CARE OF CASUALTY INVOLVING: | 17 |
| 3.1.1 | Head/spinal injuries | |
| 3.1.2 | Injuries of ear, nose, throat and eyes | |
| 3.1.3 | External and internal bleeding | |
| 3.1.4 | Burns, scalds and frostbite | |
| 3.1.5 | Fractures, dislocations and muscular injuries | |
| 3.1.6 | Wounds, wound healing and infection | |
| 3.1.7 | Pain relief | |
| 3.1.8 | Techniques of sewing and clamping | |
| 3.1.9 | Management of acute abdominal conditions | |
| 3.1.10 | Minor surgical treatment | |
| 3.1.11 | Dressing and bandaging | |
| 3.2 | ASPECTS OF NURSING | 23 |
| 3.2.1 | General principles | |
| 3.2.2 | Nursing care | |
| 3.3 | DISEASES INCLUDING: | 23 |
| 3.3.1 | Medical conditions and emergencies | |
| 3.3.2 | Sexually transmitted diseases | |
| 3.3.3 | Tropical and infectious diseases | |
| 3.4 | ALCOHOL AND DRUG ABUSE | 24 |
| 3.5 | DENTAL CARE | 25 |
| 3.6 | GYNECOLOGY, PREGNANCY AND CHILDBIRTH | 25 |
| 3.7 | MEDICAL CARE OF RESCUED PERSONS | 26 |
| 3.8 | DEATH AT SEA | 27 |
| 3.9 | HYGIENE | 27 |
| 3.10 | DISEASE PREVENTION | 27 |
| 3.10.1 3.10.2 | Disinfection, disinfestation and de-rattting Vaccination | |
| 3.11 | KEEPING RECORDS AND COPIES OF APPLICABLE REGULATIONS | 28 |
| • | Keeping medical records | |
| | | |

3.11.2 International and national maritime regulations

- 3.12 EXTERNAL ASSISTANCE including:
- **3.12.1** Radio medical advice
- 3.12.2 Transportation of the ill and injured, including helicopter evacuation
- **3.12.3** Medical care of sick seafarers involving co-operation with port health authorities and out-patient wards in port

3.13 EXAMINATION

| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-v Page: 6 of 27 |
|-----------------------------------|--|-----------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

COURSE APPROVAL CONDITIONS

National organizations seeking Transport Canada (TC), Marine Safety approval to conduct courses in Marine Basic First Aid and Advanced First Aid and Marine Medical Care must meet the following conditions:

- Organizations presently holding authorization from Labour Canada (0SH) to deliver Basic First Aid (8 hours) and Advanced (Standard) First Aid (16 hours) will receive Transport Canada (TC), Marine Safety (MS) approval to deliver courses as contained in this document on submission of an application together with course curriculum and current authorization. To obtain TC, Marine Safety approval for delivering Marine Medical Care training as contained in this document, organizations shall be required to submit to Marine Safety the course curriculum for review before approval may be granted.
- Comply with the program as outlined in this document.
- Provide commitment that program will be available in major centres where applicable with marine colleges as a focal point.
- Instructors delivering programs must be qualified and accredited by the organization requesting approval.
- Organization, to supply TC, Marine Safety copies of their certificates indicating the period of validity of the certificate.
- On going approval from TC, Marine Safety must be obtained by the organization before 31 August of each year.

1 MARINE BASIC FIRST AID

NUMBER OF TRAINEES IN A COURSE

The number of trainees in a course must not exceed 12 when under the supervision of one accredited instructor.

COURSE GOAL, SUBJECTS AND LECTURE TIME INCLUDING EXERCISES

GOAL: Every seafarer who is designated to apply immediate basic first aid in the event of accident or illness on board to demonstrate competence to undertake the tasks, duties and responsibilities described in the subjects listed below.

SUBJECTS LECTURE TIME INCLUDING EXERCISES

| | | Total: | 8 | hours |
|-----|--|---|-----|-------|
| 1.4 | EXAMI | NATION | 1 | hour |
| | 1.3.7 | IMPROVISE BANDAGES AND USE MATERIALS IN EMERGENCY KIT | 0.5 | hours |
| | 1.3.6 | RESCUE AND TRANSPORT A CASUALTY | 0.5 | hours |
| | 1.3.5 | APPLY APPROPRIATE MEASURES IN EVENT OF BURNS, AND SCALDS, including accidents caused by electrical current | 0.5 | hours |
| | 1.3.4 | APPLY APPROPRIATE MEASURES OF BASIC SHOCK MANAGEMENT | 0.5 | hours |
| | 1.3.3 | CONTROL BLEEDING | 1.0 | hour |
| | 1.3.2 | APPLY RESUSCITATION TECHNIQUES | 1.5 | hours |
| | 1.3.1 | POSITION CASUALTY | 0.5 | hours |
| 1.3 | | STANDING OF IMMEDIATE MEASURES TO BE TAKEN ES OF EMERGENCY, including the ability to: | | |
| 1.2 | APPRE | CIATION OF BODY STRUCTURE AND FUNCTIONS | 1 | hour |
| 1.1 | ASSESSMENT OF NEEDS OF CASUALTIES and threats to own safety | | | hour |

| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-1 Page: 8 of 27 |
|-----------------------------------|--|-----------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

| | FUNCTION: MEDICAL FIRST AID | | |
|--------------------|--|-------------------|-------------------------|
| Column 1 | Column 2 | Column 3 | Column 4 |
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS OF | CRITERIA FOR |
| | AND PROFICIENCY | DEMONSTRATINGC | EVALUATING |
| | | OMPETENCE | COMPETENCE |
| Apply immediate | 1.1 ASSESSMENT OF NEEDS OF | Assessment of | The identification of |
| basic first aid in | CASUALTIES and threats to | evidence obtained | probable cause, nature |
| the event of | own safety | from practical | and extent of injuries |
| accident or | | instruction | is prompt, complete |
| illness on board | • Apply the principles of first aid | | and conforms to |
| | | | correct first aid |
| | • Apply the principles of | | practice. |
| | emergency scene management | | r |
| | ······································ | | Risk of harm to self |
| | • Examine and assess a casualty | | and others is |
| | - Examine and assess a custancy | | minimized at all times. |
| | Provide follow up care | | minimized at an times. |
| | | | Treatment of injuries |
| | • Apply the principles of safety | | and the patients |
| | universal precautions | | condition is |
| | universal precautions | | |
| | 1.2 ADDRECLATION OF DODY | | appropriate, conforms |
| | 1.2 APPRECIATION OF BODY | | to the recognized first |
| | STRUCTURE AND | | aid practice and |
| | FUNCTIONS | | international |
| | | | guidelines. |
| | Identify regions of the body | | |
| | • Identify and name principal | | |
| | bones | | |
| | • Identify main organs of the chest | | |
| | and the functions of each | | |
| | | | |
| | • Identify parts of the nervous | | |
| | system and the functions of each | | |
| | system and the functions of each | | |
| | • Identify parts of the requiret | | |
| | • Identify parts of the respiratory | | |
| | • anotom and the functions of | | |
| | • system and the functions of each | | |
| | | | |
| | • Identify parts of the circulatory | | |
| | system and the functions of each | | |
| | | | |
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| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-1 Page: 9 of 27 |
|-----------------------------------|--|-----------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

| Column 1 | Column 2 | Column 3 | Column 4 |
|--------------------|--|-------------------|-------------------------|
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS OF | CRITERIA FOR |
| CONTELECT | AND PROFICIENCY | DEMONSTRATING | EVALUATING |
| | | COMPETENCE | COMPETENCE |
| Apply immediate | 1.3 UNDERSTANDING OF | Assessment of | The identification of |
| basic first aid in | IMMEDIATE MEASURES TO | evidence obtained | probable cause, nature |
| the event of | BE TAKEN IN CASES OF | from practical | and extent of injuries |
| accident or | EMERGENCY, including the | instruction | is prompt, complete |
| illness on board | ability to: | mstruction | and conforms to |
| miless on board | ability to. | | correct first aid |
| | 1.3.1 POSITION CASUALTY | | practice. |
| | Ability to: | | praetice. |
| | • Assess the need for moving a | | Risk of harm to self |
| | casualty | | and others is |
| | • Position a casualty from to prone | | minimized at all times. |
| | (lying on stomach) to supine | | minimized at an times. |
| | (lying on back) | | Treatment of injuries |
| | • Position the casualty in the | | and the patients |
| | recovery position and provide | | condition is |
| | follow up care | | appropriate, conforms |
| | ionow up cure | | to the recognized first |
| | 1.3.2 APPLY RESUSCITATION | | aid practice and |
| | TECHNIQUES | | international |
| | Ability to: | | guidelines. |
| | Recognize respiratory | | guidennes. |
| | emergencies | | |
| | emergeneres | | |
| | • Perform the mouth to mouth | | |
| | direct method of artificial | | |
| | respiration | | |
| | Perform the mouth to mouth | | |
| | direct method of artificial | | |
| | respiration for a casualty with a | | |
| | suspected neck injury | | |
| | | | |
| | • Provide follow up care for | | |
| | asphyxia | | |
| | | | |
| | • Perform the mouth to nose direct | | |
| | method of artificial respiration | | |
| | * | | |
| | • Perform the mouth to stoma | | |
| | direct method of artificial | | |
| | respiration | | |
| | - | | |
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| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-1 Page: 10 of 27 |
|-----------------------------------|--|------------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

| | FUNCTION: MEDICAL FIRST AID A | THE SUFFURI LEVE | L |
|--------------------|---|-------------------|-----------------------|
| Column 1 | Column 2 | Column 3 | Column 4 |
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS FOR | CRITERIA FOR |
| | AND PROFICIENCY | DEMONSTRATINGC | EVALUATING |
| | | OMPETENCE | COMPETENCE |
| Apply immediate | 1.3.4 APPLY APPROPRIATE | Assessment of | The identification of |
| basic first aid in | MEASURES OF BASIC SHOCK | evidence obtained | probable cause, |
| the event of | MANAGEMENT: | | nature and extent of |
| | | from practical | |
| accident or | Ability to: | instruction | injuries is prompt, |
| illness on board. | | | complete and |
| | Recognize shock | | conforms to correct |
| | | | first aid practice. |
| | • Provide first aid to lessen the | | |
| | severity of shock | | Risk of harm to self |
| | | | and others is |
| | Recognize fainting | | minimized at all |
| | - | | times. |
| | Recognize levels of | | |
| | consciousness | | Treatment of injuries |
| | | | and the patients |
| | • Provide first aid for fainting and | | condition is |
| | unconsciousness | | appropriate, |
| | unconsciousness | | conforms to the |
| | 1.3.5 APPLY APPROPRIATE | | recognized first aid |
| | MEASURES IN EVENT OF | | practice and |
| | BURNS AND SCALDS, | | international |
| | | | |
| | including accidents caused by | | guidelines. |
| | electrical current: | | |
| | | | |
| | Ability to: | | |
| | • Take measures to prevent heat, | | |
| | electric, chemical and radiation | | |
| | burns | | |
| | | | |
| | • Recognize burns, - 1st degree, - | | |
| | 2nd degree, - 3rd degree | | |
| | | | |
| | • Assess extent of burned area | | |
| | | | |
| | • Provide first aid for burns | | |
| | | | |
| | 1.3.6 RESCUE AND TRANSPORT | | |
| | A CASUALTY: | | |
| | Ability to: | | |
| | • Recognize the principles of | | |
| | safety | | |
| | Move a casualty away from | | |
| | immediate hazards | | |
| | Perform rescue carries | | |
| | appropriate to the incident | | |
| | | | |
| | | l | |

| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-1 Page: 12 of 27 |
|-----------------------------------|--|------------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

| Column 1 | Column 2 | Column 3 | Column 4 |
|---|---|---|--|
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS FOR | CRITERIA FOR |
| | AND PROFICIENCY | DEMONSTRATING | EVALUATING |
| | | COMPETENCE | COMPETENCE |
| Apply immediate basic first aid in the event of accident or illness on board. | 1.3.7 IMPROVISE BANDAGES AND USE MATERIALS IN EMERGENCY KIT: Ability to: Awareness of the location of first aid kits and knowledge of its contents Ability to use correctly and quickly Importance of routine checks | COMPETENCE Assessment of evidence obtained from practical instruction | COMPETENCE The identification of probable cause, nature and extent of injuries is prompt, complete and conforms to correct first aid practice. Risk of harm to self and others is minimized at all times. Treatment of injuries and the patients |
| | Recognize readily available items and materials that might be appropriately used as bandages 1.4 EXAMINATION | | condition is appropriate, conforms to the recognized first aid practice and international guidelines. |

| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-2 Page: 12 of 27 |
|-----------------------------------|--|------------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

2 MARINE ADVANCED FIRST AID (TO INCLUDE ALL ELEMENTS OF MARINE BASIC FIRST AID)

NUMBER OF TRAINEES IN A COURSE

The number of trainees in a course must not exceed 12 when under the supervision of one accredited instructor.

COURSE GOAL, SUBJECTS AND LECTURE TIME INCLUDING EXERCISES

GOAL: Every seafarer who is designated to apply immediate advanced first aid in the event of an accident or illness on board to demonstrate competence to undertake the tasks, duties and responsibilities described in the subjects listed below.

SUBJECTS LECTURE TIME INCLUDING EXERCISES

| 2.1 | FIRST AID KIT | 0.5 | hours |
|------|---|-----|-------|
| 2.2 | BODY STRUCTURE AND FUNCTION | 1.5 | hours |
| 2.3 | TOXICOLOGICAL HAZARDS | 1 | hour |
| 2.4 | EXAMINATION OF CASUALTY OR PATIENT | 3 | hours |
| 2.5 | SPINAL INJURIES | 1 | hour |
| 2.6 | BURNS, SCALDS and effects of heat and cold | 1 | hour |
| 2.7 | FRACTURES, DISLOCATIONS and MUSCULAR INJURIES | 1.5 | hours |
| 2.8 | MEDICAL CARE OF RESCUED PERSONS | 1 | hour |
| 2.9 | RADIO MEDICAL ADVICE | 0.5 | hours |
| 2.10 | PHARMACOLOGY | 0.5 | hours |
| 2.11 | STERILIZATION | 0.5 | hours |
| 2.12 | CARDIAC ARREST, DROWNING AND ASPHYXIA | 3 | hours |
| 2.13 | EXAMINATION | 1 | hour |
| | | | |

Total:

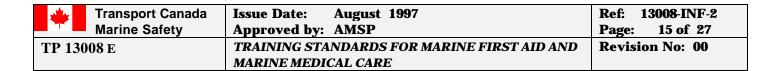
16 hours



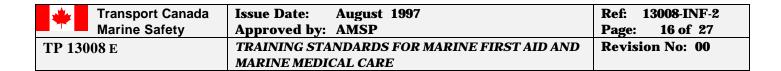
Column 1 Column 2 Column 3 Column COMPETENCE KNOWLEDGE, UNDERSTANDING METHODS OF CRITERIA FOR AND PROFICIENCY DEMONSTRATING EVALUATING COMPETENCE COMPETENCE 2.1 FIRST AID KIT Apply immediate Assessment of The identification of Advanced first evidence obtained probable cause, nature aid in the event • Awareness of their locations and from practical and extent of injuries of accident or knowledge of its contents instruction is prompt, complete illness on board and conforms to Ability to use correctly & correct first aid • practice. quickly Risk of harm to self Importance of routine checks ٠ and others is **2.2** BODY STRUCTURE AND minimized at all times. FUNCTION: Treatment of injuries Ability to: • Identify regions of the body and the patients condition is • Identify and name principal appropriate, conforms bones and muscles to the recognized first aid practice and • Identify location of major arteries international and veins guidelines. • Identify main organs of the chest and abdomen and the functions of each • Identify parts of the nervous system and the functions of each • Identify parts of the respiratory system and the functions of each • Identify parts of the circulatory system and the functions of each - Identify parts of reproductive system and the functions of each - Identify structures of the skin and related elements



| r | FUNCTION: MEDICAL FIRST AID AT | | |
|------------------|---------------------------------------|-------------------|-------------------------|
| Column 1 | Column 2 | Column 3 | Column 4 |
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS OF | CRITERIA FOR |
| | AND PROFICIENCY | DEMONSTRATING | EVALUATING |
| | | COMPETENCE | COMPETENCE |
| Apply immediate | 2.3 TOXICOLOGICAL HAZARDS | Assessment of | The identification of |
| Advanced first | Knowledge of: | evidence obtained | probable cause, nature |
| aid in the event | | from practical | and extent of injuries |
| of accident or | • Potentially toxic substances | instruction | is prompt, complete |
| illness on board | WHMIS Class identification | | and conforms to |
| | | | correct first aid |
| | system and the information | | practice. |
| | available | | |
| | Material Safety Data Sheets | | Risk of harm to self |
| | Material Safety Data Sheets | | and others is |
| | (MSDS), their location and the | | minimized at all times. |
| | type of information available | | |
| | • Proper safeguards to be followed | | Treatment of injuries |
| | | | and the patients |
| | in the use and storage of | | condition is |
| | dangerous goods carried on | | appropriate, conforms |
| | board | | to the recognized first |
| | Characteristics and dangers | | aid practice and |
| | • | | international |
| | associated with confined spaces | | guidelines. |
| | • Limitations of responsibilities and | | |
| | _ | | |
| | abilities when dealing with | | |
| | confined spaces | | |
| | • Appropriate precautions and | | |
| | | | |
| | procedures for incidents in and | | |
| | around confined spaces | | |
| | A 1 11. | | |
| | Ability to: | | |
| | • Provide first aid according to the | | |
| | • | | |
| | information provided | | |
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| | FUNCTION: MEDICAL FIRST AID AT | THE OF ERATIONAL LI | |
|------------------|---------------------------------------|---------------------|-------------------------|
| Column 1 | Column 2 | Column 3 | Column 4 |
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS OF | CRITERIA FOR |
| | AND PROFICIENCY | DEMONSTRATING | EVALUATING |
| | | COMPETENCE | COMPETENCE |
| Apply immediate | 2.4 EXAMINATION OF | Assessment of | The identification of |
| Advanced first | CASUALTY OR PATIENT | evidence obtained | probable cause, nature |
| aid in the event | Ability to: | from practical | and extent of injuries |
| of accident or | Conduct a systematic and | instruction | is prompt, complete |
| illness on board | complete: | | and conforms to |
| | Primary assessment (Airway, | | correct first aid |
| | Breathing, Circulation), and | | practice. |
| | Secondary assessment (History, | | * |
| | vital signs, head-to-toe | | Risk of harm to self |
| | examination including | | and others is |
| | appropriate record keeping of | | minimized at all times. |
| | findings and action taken) | | |
| | | | Treatment of injuries |
| | • Draw conclusions by process of | | and the patients |
| | elimination and comparison | | condition is |
| | I I I I I I I I I I I I I I I I I I I | | appropriate, conforms |
| | • Recognize feigning of illness | | to the recognized first |
| | | | aid practice and |
| | Recognize airway obstruction | | international |
| | | | guidelines. |
| | • Provide appropriate care for | | Surgennest |
| | obstructed airways | | |
| | obstructed an ways | | |
| | • Recognize breathing emergencies | | |
| | | | |
| | • Provide artificial respiration for | | |
| | casualty without suspected | | |
| | head/spinal injury | | |
| | neud, spinar ngary | | |
| | • Provide artificial respiration for | | |
| | casualty with suspected | | |
| | head/spinal injury | | |
| | nead/spinar injury | | |
| | • Oxygen administration including | | |
| | intubation | | |
| | Intubation | | |
| | • Recognize signs and symptoms of | | |
| | angina/heart attack | | |
| | angina/incart attack | | |
| | • Recognize signs and symptoms of | | |
| | cardiac arrest | | |
| | carutac arrest | | |
| | • Demonstrate one rescuer CPR | | |
| | | | |
| | • Demonstrate two rescuer CPR | | |
| | | | |



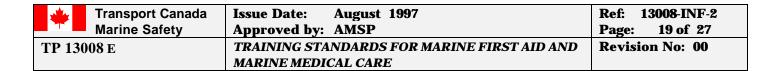
| | FUNCTION: MEDICAL FIRST AID AT | THE OPERATIONAL LE | LVEL |
|------------------|---|--------------------|-------------------------|
| Column 1 | Column 2 | Column 3 | Column 4 |
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS OF | CRITERIA FOR |
| | AND PROFICIENCY | DEMONSTRATING | EVALUATING |
| | | COMPETENCE | COMPETENCE |
| Apply immediate | 2.5 SPINAL INJURIES | Assessment of | The identification of |
| Advanced first | Ability to: | evidence obtained | probable cause, nature |
| aid in the event | 2 | from practical | and extent of injuries |
| of accident or | Recognize signs of possible | instruction | is prompt, complete |
| illness on board | head/spinal injury based on | | and conforms to |
| | mechanism of injury | | correct first aid |
| | 5.5 | | practice. |
| | • Take precautions to avoid further | | r |
| | damage where head/spinal | | Risk of harm to self |
| | injuries are suspected | | and others is |
| | | | minimized at all times. |
| | • Provide suitable care | | |
| | | | Treatment of injuries |
| | 2.6 BURNS, SCALDS and effects of | | and the patients |
| | heat and cold | | condition is |
| | | | appropriate, conforms |
| | Ability to: | | to the recognized first |
| | | | aid practice and |
| | • Identify burns according to type | | international |
| | (e.g. heat, electrical, chemical, | | guidelines. |
| | radiation) | | guidennes. |
| | Tadiation) | | |
| | • Classify degree of burn | | |
| | , , | | |
| | • Take appropriate action according | | |
| | to the type of burn | | |
| | to the type of built | | |
| | • Assess burned area and | | |
| | determine the seriousness of the | | |
| | burn | | |
| | buin | | |
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| | FUNCTION: MEDICAL FIRST AID AT | | |
|------------------|--|-------------------|-------------------------|
| Column 1 | Column 2 | Column 3 | Column 4 |
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS OF | CRITERIA FOR |
| | AND PROFICIENCY | DEMONSTRATING | EVALUATING |
| | | COMPETENCE | COMPETENCE |
| Apply immediate | 2.7 FRACTURES, | Assessment of | The identification of |
| Advanced first | DISLOCATIONS and | evidence obtained | probable cause, nature |
| aid in the event | MUSCULAR INJURIES | from practical | and extent of injuries |
| of accident or | Ability to: | instruction | is prompt, complete |
| illness on board | Distinguish various types of | | and conforms to |
| inness on coure | fractures (closed/open, | | correct first aid |
| | simple/compound /severe) | | practice. |
| | simple/compound/severe/ | | practice. |
| | • Varify from indications that a | | Risk of harm to self |
| | • Verify from indications that a bone is broken | | |
| | bone is broken | | and others is |
| | | | minimized at all times. |
| | • Stop bleeding from open fracture | | |
| | | | Treatment of injuries |
| | • Relieve pain and treat fractures | | and the patients |
| | | | condition is |
| | Recognize dislocations from | | appropriate, conforms |
| | signs and prevent movement | | to the recognized first |
| | | | aid practice and |
| | Recognize close/open | | international |
| | dislocations | | guidelines. |
| | | | C . |
| | • Prevent movement in affected | | |
| | area by suitable immobilization | | |
| | | | |
| | and take precautions during | | |
| | transportation | | |
| | | | |
| | Recognize a muscular injury | | |
| | | | |
| | Treat muscular injuries | | |
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| | FUNCTION: MEDICAL FIRST AID AT | | |
|------------------|--|-------------------|--------------------------------|
| Column 1 | Column 2 | Column 3 | Column 4 |
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS OF | CRITERIA FOR |
| | AND PROFICIENCY | DEMONSTRATING | EVALUATING |
| | | COMPETENCE | COMPETENCE |
| Apply immediate | 2.8 MEDICAL CARE OF | Assessment of | The identification of |
| Advanced first | RESCUED PERSONS | evidence obtained | probable cause, nature |
| aid in the event | Ability to: | from practical | and extent of injuries |
| of accident or | 2 | instruction | is prompt, complete |
| illness on board | Handle immediate medical | | and conforms to |
| | problems | | correct first aid |
| | L | | practice. |
| | • Treat cold exposure | | r |
| | - | | Risk of harm to self |
| | • Treat for oil contamination, | | and others is |
| | dehydration and malnutrition | | minimized at all times. |
| | denyeration and manualition | | minimized at an times. |
| | • Treat for hypothermia | | Treatment of injuries |
| | | | and the patients |
| | • Treat for seasickness, sunburn, | | condition is |
| | heat exhaustion, cramps and | | appropriate, conforms |
| | sunstroke | | |
| | sunstroke | | to the recognized first |
| | • Provide follow up care | | aid practice and international |
| | • Hovide follow up care | | |
| | | | guidelines. |
| | 2.9 RADIO MEDICAL ADVICE | | |
| | Ability to: | | |
| | • Prepare information before | | |
| | | | |
| | asking for advice | | |
| | • Provide information to advisor | | |
| | | | |
| | and record exchange of | | |
| | information | | |
| | Demost information to a duite | | |
| | • Repeat information to advisor | | |
| | Mointoin all naarnig an brand | | |
| | • Maintain all records on board | | |
| | Malta all among a success for | | |
| | • Make all arrangements for | | |
| | helicopter or ship to ship transfer | | |
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| Column 1 | | | |
|------------------|--------------------------------------|-------------------|-------------------------|
| Column 1 | Column 2 | Column 3 | Column 4 |
| | KNOWLEDGE, UNDERSTANDING | METHODS OF | CRITERIA FOR |
| | AND PROFICIENCY | DEMONSTRATING | EVALUATING |
| | | COMPETENCE | COMPETENCE |
| Apply immediate | 2.10 PHARMACOLOGY | Assessment of | The identification of |
| Advanced first | Knowledge of: | evidence obtained | probable cause, nature |
| aid in the event | | from practical | and extent of injuries |
| of accident or | Medications carried on board | instruction | is prompt, complete |
| illness on board | | | and conforms to |
| | Qualifications required for | | correct first aid |
| | administration of each | | practice. |
| | • Side effects and cautions related | | Risk of harm to self |
| | to specific medications available | | and others is |
| | on board | | minimized at all times. |
| | 2.11 STERILIZATION | | Treatment of injuries |
| | | | and the patients |
| | Ability to: | | condition is |
| | • Apply knowledge of universal | | appropriate, conforms |
| | precautions | | to the recognized first |
| | precautions | | aid practice and |
| | • Take precautions against | | international |
| | infecting the wound | | guidelines. |
| | infecting the would | | C |
| | 2.12 CARDIAC ARREST, | | |
| | DROWNING AND | | |
| | ASPHYXIA | | |
| | Ability to: | | |
| | - | | |
| | • Provide immediate first aid to | | |
| | casualty in a drowning | | |
| | emergency | | |
| | • Recognize a stroke/TIA | | |
| | • Provide first aid for a stroke/TIA | | |
| | • Recognize signs and symptoms | | |
| | | | |
| | of rapid and congestive heart | | |
| | action | | |
| | • Recognize heart attack | | |
| | • Provide CPR | | |
| | 2.13 EXAMINATION | | |

CHAPTER

3 MARINE MEDICAL CARE (prerequisite of MARINE ADVANCED FIRST AID)

This level of training may be presented supplementary to the Marine Advanced program, or as a combined program facilitating the training of any individual to the level of Marine Medical Care without prerequisite requirements. A combined program will include content of both courses for a total of 66 hours.

NUMBER OF TRAINEES IN A COURSE

The number of trainees in a course must not exceed 12 when under the supervision of one accredited instructor.

COURSE GOAL, SUBJECTS AND LECTURE TIME INCLUDING EXERCISES

GOAL: Every seafarer who is designated to apply medical care in the event of an accident or illness on board to demonstrate competence to undertake the tasks, duties and responsibilities described in the subjects listed below.

SUBJECTS

LECTURE TIME INCLUDING EXERCISES

| 3.1 | CARE | OF CASUALTY involving: | | 20 hours |
|-----|--------|---|---------|----------|
| | 3.1.1 | Head/spinal injuries | (3 hrs) | |
| | 3.1.2 | Injuries to ear, nose, throat and eyes | (2 hrs) | |
| | 3.1.3 | External and internal bleeding | (1 hr) | |
| | 3.1.4 | Burns, scalds and frostbite | (2 hrs) | |
| | 3.1.5 | Fractures, dislocations and muscular injuries | (3 hrs) | |
| | 3.1.6 | Wounds, wound healing and infection | (2 hrs) | |
| | 3.1.7 | Pain relief | (1 hr) | |
| | 3.1.8 | Techniques of sewing and clamping | (1 hr) | |
| | 3.1.9 | Management of acute abdominal conditions | (2 hrs) | |
| | 3.1.10 | Minor surgical treatment | (1 hr) | |
| | 3.1.11 | Dressings and bandaging | (2 hrs) | |
| 3.2 | ASPEC | TS OF NURSING | | 2 hours |
| | 3.2.1 | General principles | | |
| | 3.2.2 | Nursing care | | |
| 3.3 | DISEA | SES including: | | 3 hours |
| | 3.3.1 | Medical conditions and emergencies | | |
| | 3.3.2 | Sexually transmitted diseases | | |
| | 3.3.3 | Tropical and infectious diseases | | |
| 3.4 | ALCO | HOL AND DRUG ABUSE | | 2 hours |
| 3.5 | DENTA | AL CARE | | 1 hour |
| 3.6 | GYNE | COLOGY, PREGNANCY AND CHILDBIRTH | | 2 hours |
| 3.7 | MEDIC | CAL CARE OF RESCUED PERSONS | | 5 hours |

| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-3 Page: 13 of 27 |
|-----------------------------------|--|------------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

| 3.8 | DEATH | H AT SEA | 1 | hour |
|------|-------------------------------------|--|-----------|---------|
| 3.9 | HYGIE | NE | 1 | hour |
| 3.10 | DISEA 3.10.1 3.10.2 | SE PREVENTION including: Disinfection, disinfestation, deratting Vaccinations | 1 | hour |
| 3.11 | | NG RECORDS AND COPIES OF CABLE REGULATIONS Keeping medical records International and national maritime medical regulations | 2 | hours |
| 3.12 | EXTER 3.12.1 3.12.2 3.12.3 | RNAL ASSISTANCE, including: Radio medical advice Transportation of the ill and injured, including helicopter e Medical care of sick seafarers involving co-operation with authorities or outpatient ward in port | vacuation | hours |
| 3.13 | EXAM | INATION | 8 | hours |
| | | Total: | 50 |) hours |

Note: Program content for this level of training will be structured to facilitate flexibility in program delivery (e.g. the 50 hour program may be delivered in two separate but related teaching blocks).

| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-3 Page: 14 of 27 |
|-----------------------------------|--|------------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

| | FUNCTION: WIEDI | | 1 |
|-------------------|--------------------------------------|---------------------|-------------------------|
| Column 1 | Column 2 | Column 3 | Column 4 |
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS OF | CRITERIA FOR |
| | AND PROFICIENCY | DEMONSTRATING | EVALUATING |
| | | COMPETENCE | COMPETENCE |
| Apply medical | 3.1 CARE OF CASUALTY, | Assessment of | Identification of |
| care to the sick | involving: | evidence obtained | symptoms is based on |
| and injured while | | from practical | the concept of clinical |
| they remain on | 3.1.1 HEAD/SPINAL | instruction and | examination and |
| board. | INJURIES | demonstration. | medical history. |
| bourd. | Ability to: | demonstration. | medical mistory. |
| | romey to. | Where practicable, | Protection against |
| | • Assess the casualty's level of | approved practical | infection and spread |
| | responsiveness | experience at a | of diseases is |
| | responsiveness | hospital or similar | complete and |
| | • Describe the significance of | establishment | effective. |
| | casualty's level of consciousness | establishinent | chective. |
| | in assessing the seriousness of | | Treatment of injury or |
| | the casualty's condition | | condition is |
| | the casualty s condition | | appropriate and |
| | • Assess seriousness of head or | | conforms to accepted |
| | spinal injury based on | | medical practice and |
| | mechanism of injury and signs | | relevant national and |
| | and symptoms | | international medical |
| | and symptoms | | |
| | • Select, size and position | | guides. |
| | commercial cervical collar | | The decase and |
| | commercial cervical collar | | The dosage and |
| | • Determine the most appropriate | | application of drugs |
| | | | and medication |
| | means of transportation | | complies with |
| | according to the situation, the | | manufacturers' |
| | casualty's condition and | | recommendations and |
| | resources available | | accepted medical |
| | . Dackage and property acquality for | | practice. |
| | • Package and prepare casualty for | | |
| | transport according to established | | The significance of |
| | protocols | | changes in patients' |
| | | | condition is promptly |
| | | | recognized. |
| | | | |
| | | | Personal attitude is |
| | | | calm, confident and |
| | | | reassuring. |
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| CHAPTER | | | |

| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-3 Page: 15 of 27 |
|-----------------------------------|--|------------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

| ~ | FUNCTION: MEDI | | |
|-------------------|---|---------------------|---|
| Column 1 | Column 2 | Column 3 | Column 4 |
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS OF | CRITERIA FOR |
| | AND PROFICIENCY | DEMONSTRATING | EVALUATING |
| | | COMPETENCE | COMPETENCE |
| Apply medical | 3.1.2 INJURIES TO EAR, | Assessment of | Identification of |
| care to the sick | NOSE, THROAT AND EYES | evidence obtained | symptoms is based on |
| and injured while | Ability to: | from practical | the concept of clinical |
| they remain on | | instruction and | examination and |
| board | • Assess injuries to ears, nose and | demonstration. | medical history. |
| | throat and determine the | | |
| | seriousness of each according to | Where practicable, | Protection against |
| | signs and symptoms | approved practical | infection and spread |
| | | experience at a | of diseases is |
| | • Determine care appropriate to | hospital or similar | complete and |
| | common injuries to ear, nose and | establishment | effective. |
| | throat | | |
| | | | Treatment of injury or |
| | • Assess types of eye injury and | | condition is |
| | related dangers of same | | appropriate and |
| | | | conforms to accepted |
| | • Assess situations where removal | | medical practice and |
| | of foreign objects in the eye (or | | relevant national and |
| | area around the eye) should not | | international medical |
| | be attempted | | guides. |
| | Provide appropriate care for removal of foreign objects from the eye Provide appropriate care for injury to the eye or the immediate area around the eye Provide appropriate care for burns to the eye(s) | | The dosage and application of drugs and medication complies with manufacturers' recommendations and accepted medical practice. The significance of changes in patients' condition is promptly recognized. Personal attitude is calm, confident and |
| | | | reassuring. |
| CHAPTER | 1 | I | |

| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-3 Page: 16 of 27 |
|-----------------------------------|--|------------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

| Column 1 | FUNCTION: MEDI | | Column 4 |
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| Column 1 | Column 2 | Column 3 | Column 4 |
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS OF | CRITERIA FOR |
| | AND PROFICIENCY | DEMONSTRATING | EVALUATING |
| | | COMPETENCE | COMPETENCE |
| Apply medical | 3.1.3 EXTERNAL AND | Assessment of | Identification of |
| care to the sick | INTERNAL BLEEDING | evidence obtained | symptoms is based on |
| and injured while | Ability to: | from practical | the concept of clinical |
| they remain on | | instruction and | examination and |
| board | • Recognize external bleeding and | demonstration. | medical history. |
| | provide appropriate care | | |
| | December internel blading and | Where practicable, | Protection against |
| | • Recognize internal bleeding and | approved practical | infection and spread |
| | provide appropriate care | experience at a | of diseases is |
| | | hospital or similar | complete and |
| | 3.1.4 BURNS, SCALDS and | establishment | effective. |
| | FROSTBITE | | |
| | Ability to: | | Treatment of injury or |
| | December have the | | condition is |
| | • Recognize burns according to | | appropriate and |
| | type heat, electrical, chemical, | | conforms to accepted |
| | radiation | | medical practice and |
| | | | relevant national and |
| | • Classify burns by degree | | international medical |
| | first, second or third | | guides. |
| | A house down and | | |
| | • Assess burned area and | | The dosage and |
| | determine seriousness of injury | | application of drugs |
| | based on degree and area | | and medication |
| | involved | | complies with |
| | B assaniza special considerations | | manufacturers' |
| | • Recognize special considerations | | recommendations and |
| | and types of burns | | accepted medical |
| | • Provide appropriate care for | | practice. |
| | | | |
| | burns according to type | | The significance of |
| | • Recognize frostbite and determine | | changes in patients' |
| | 8 | | condition is promptly |
| | seriousness of the | | recognized. |
| | casualty's condition based on | | Demons1.ett't 1.' |
| | signs and symptoms | | Personal attitude is |
| | • Provide care appropriate to the | | calm, confident and |
| | nature of the frostbite | | reassuring. |
| | nature of the frostbite | | |
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| CHAPTER | | | |

| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-3 Page: 17 of 27 |
|-----------------------------------|--|------------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

| | FUNCTION: MEDICAL CARE | | | |
|-------------------|---|---------------------|-------------------------------------|--|
| Column 1 | Column 2 | Column 3 | Column 4 | |
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS OF | CRITERIA FOR | |
| | AND PROFICIENCY | DEMONSTRATING | EVALUATING | |
| | | COMPETENCE | COMPETENCE | |
| Apply medical | 3.1.5 FRACTURES, | Assessment of | Identification of | |
| care to the sick | DISLOCATIONS AND | evidence obtained | symptoms is based on | |
| and injured while | MUSCULAR INJURIES | from practical | the concept of clinical | |
| they remain on | Ability to: | instruction and | examination and | |
| board | | demonstration. | medical history. | |
| | • Identify types of fractures | | | |
| | (open/closed, simple/compound) | Where practicable, | Protection against | |
| | Control blooding from an open | approved practical | infection and spread | |
| | • Control bleeding from an open | experience at a | of diseases is | |
| | fracture | hospital or similar | complete and | |
| | • Provide appropriate care for | establishment | effective. | |
| | | | The stars at a f in immedia | |
| | suspected sprains and fractures by preventing movement and | | Treatment of injury or condition is | |
| | providing support to the injured | | appropriate and | |
| | area during transportation | | conforms to accepted | |
| | area during transportation | | medical practice and | |
| | • Provide appropriate care for | | relevant national and | |
| | suspected dislocations by | | international medical | |
| | preventing movement and | | guides. | |
| | providing support to the injured | | Saraasi | |
| | area during transportation | | The dosage and | |
| | e i i | | application of drugs | |
| | Identify muscle strain | | and medication | |
| | | | complies with | |
| | Provide appropriate care for | | manufacturers' | |
| | muscle strain | | recommendations and | |
| | | | accepted medical | |
| | 3.1.6 WOUNDS, WOUND | | practice. | |
| | HEALING AND INFECTION | | | |
| | Ability to: | | The significance of | |
| | | | changes in patients' | |
| | • Use commercial and improvised | | condition is promptly | |
| | materials as effective dressings | | recognized. | |
| | and bandages | | | |
| | • Provide care for wounds and | | Personal attitude is | |
| | | | calm, confident and | |
| | bleeding including eyes, ears, nose, mouth, knocked out teeth, | | reassuring. | |
| | and crush injury | | | |
| | and crush mjury | | | |
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| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-3 Page: 18 of 27 |
|-----------------------------------|--|------------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

| | FUNCTION: MEDI | | 1 |
|-------------------|--|---------------------|-------------------------|
| Column 1 | Column 2 | Column 3 | Column 4 |
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS OF | CRITERIA FOR |
| | AND PROFICIENCY | DEMONSTRATING | EVALUATING |
| | | COMPETENCE | COMPETENCE |
| Apply medical | | Assessment of | Identification of |
| care to the sick | • Describe the physiological state | evidence obtained | symptoms is based on |
| and injured while | of shock and its importance in | from practical | the concept of clinical |
| they remain on | giving care to any casualty who | instruction and | examination and |
| board | is suffering illness or injury | demonstration. | medical history. |
| Joana | is suffering inness of injury | demonstration. | medical mistory. |
| | • Identify signs and symptoms of | Where practicable, | Protection against |
| | shock | _ | infection and spread |
| | SHOCK | approved practical | of diseases is |
| | • Provide appropriate care for | experience at a | |
| | | hospital or similar | complete and |
| | shock considering the nature of | establishment | effective. |
| | associate illness or injuries | | |
| | | | Treatment of injury or |
| | 3.1.7 PAIN RELIEF | | condition is |
| | Knowledge of: | | appropriate and |
| | | | conforms to accepted |
| | • Medications available on board | | medical practice and |
| | and qualifications required for | | relevant national and |
| | administration of each in the case | | international medical |
| | of on board emergencies | | guides. |
| | | | |
| | Appropriate symptom relief | | The dosage and |
| | available on board | | application of drugs |
| | (e.g. administration of ASA, | | and medication |
| | glucose, nitroglycerin) including | | complies with |
| | pain relief | | manufacturers' |
| | 1 | | recommendations and |
| | • Appropriate medications and | | accepted medical |
| | procedures for administration of | | practice. |
| | same by subcutaneous injection | | practice. |
| | same by subcutaneous injection | | The significance of |
| | • Appropriate medications and | | changes in patients' |
| | | | |
| | procedures for administration of | | condition is promptly |
| | same by intramuscular injection | | recognized. |
| | • Appropriate medications and | | Demonstrative de la |
| | | | Personal attitude is |
| | procedures for administration of | | calm, confident and |
| | same by intravenous injection | | reassuring. |
| | • Appropriate medications and | | |
| | | | |
| | procedures for administration of | | |
| | vaccinations | | |
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| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-3 Page: 19 of 27 |
|-----------------------------------|--|------------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

| | FUNCTION: MEDI | | |
|-------------------|---|---------------------|------------------------------|
| Column 1 | Column 2 | Column 3 | Column 4 |
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS OF | CRITERIA FOR |
| | AND PROFICIENCY | DEMONSTRATING | EVALUATING |
| | | COMPETENCE | COMPETENCE |
| Apply medical | 3.1.8 TECHNIQUES OF | Assessment of | Identification of |
| care to the sick | SEWING AND CLAMPING | evidence obtained | symptoms is based on |
| and injured while | Knowledge of: | from practical | the concept of clinical |
| they remain on | - | instruction and | examination and |
| board | Basic sewing and clamping | demonstration. | medical history. |
| | techniques | | 5 |
| | * | Where practicable, | Protection against |
| | 3.1.9 MANAGEMENT OF | approved practical | infection and spread |
| | ACUTE ABDOMINAL | experience at a | of diseases is |
| | CONDITIONS | hospital or similar | complete and |
| | Ability to: | establishment | effective. |
| | | estaonsiment | |
| | • Recognize acute abdominal | | Treatment of injury or |
| | distress | | condition is |
| | distress | | appropriate and |
| | • Possible causes of acute | | conforms to accepted |
| | abdominal distress including | | medical practice and |
| | signs and symptoms | | relevant national and |
| | signs and symptoms | | international medical |
| | • Appropriate care for acute | | guides. |
| | abdominal distress | | guiues. |
| | abdommar distress | | The dosage and |
| | 3.1.10 MINOR SURGICAL | | application of drugs |
| | TREATMENT | | and medication |
| | | | |
| | Knowledge of: | | complies with manufacturers' |
| | • Importance of cleanliness and | | |
| | sterilization | | recommendations and |
| | sterilization | | accepted medical |
| | • Procedures for ensuring | | practice. |
| | 0 | | |
| | cleanliness and sterilization of | | The significance of |
| | equipment and materials | | changes in patients' |
| | • Surgical equipment available on | | condition is promptly |
| | 0 1 1 | | recognized. |
| | board and proper use of same | | |
| | | | Personal attitude is |
| | 3.1.11 DRESSINGS AND | | calm, confident and |
| | BANDAGING | | reassuring. |
| | Ability to: | | |
| | Has appointing dags in a set | | |
| | • Use specialized dressings and | | |
| | bandages in appropriate | | |
| | situations | | |
| | | | |
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| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-3 Page: 20 of 27 |
|-----------------------------------|--|------------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

| | FUNCTION: MEDI | | 1 |
|-------------------|--|---------------------|--|
| Column | Column 2 | Column 3 | Column 4 |
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS OF | CRITERIA FOR |
| | AND PROFICIENCY | DEMONSTRATING | EVALUATING |
| | | COMPETENCE | COMPETENCE |
| Apply medical | 3.2 ASPECTS OF NURSING | Assessment of | Identification of |
| care to the sick | Knowledge of procedures and | evidence obtained | symptoms is based on |
| and injured while | protocols relating to: | from practical | the concept of clinical |
| they remain on | | instruction and | examination and |
| board | 3.2.1 GENERAL PRINCIPLES | demonstration. | medical history. |
| | | | |
| | Maintain a nursing station | Where practicable, | Protection against |
| | | approved practical | infection and spread |
| | 3.2.2 NURSING CARE | experience at a | of diseases is |
| | | hospital or similar | complete and |
| | Recognize feigning illness | establishment | effective. |
| | | | |
| | • Traumatic incident stress | | Treatment of injury or |
| | ~ | | condition is |
| | • Responsibilities regarding care | | appropriate and |
| | for existing medical conditions | | conforms to accepted |
| | | | medical practice and |
| | • Ongoing care for injury/illness | | relevant national and |
| | | | international medical |
| | 3.3 DISEASES, including: | | guides. |
| | | | |
| | 3.3.1 MEDICAL CONDITIONS | | The dosage and |
| | AND EMERGENCIES | | application of drugs |
| | Knowledge of conditions and | | and medication |
| | appropriate care for emergencies | | complies with |
| | involving: | | manufacturers' |
| | • Diabetes | | recommendations and |
| | • Diabetes | | accepted medical |
| | • Epilepsy | | practice. |
| | - ~huchol | | The significance of |
| | • Respiratory conditions (e.g. | | The significance of changes in patients' |
| | asthma, emphysema) | | condition is promptly |
| | asuma, empnysema) | | recognized. |
| | • Motion sickness (seasickness) | | iccognizeu. |
| | · · · · · · · · · · · · · · · · · · · | | Personal attitude is |
| | • Contagious diseases (e.g. | | calm, confident and |
| | German measles, chicken pox, | | reassuring. |
| | scarlet fever, TB, yellow fever) | | reassaring. |
| | | | |
| | Hepatitis | | |
| | | | |
| | • Resources outlining appropriate | | |
| | care for various other conditions | | |
| | | | |
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| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-3 Page: 21 of 27 |
|-----------------------------------|--|------------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

| | FUNCTION: MEDI | | |
|-------------------|---|---------------------|-------------------------|
| Column 1 | Column 2 | Column 3 | Column 4 |
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS OF | CRITERIA FOR |
| | AND PROFICIENCY | DEMONSTRATING | EVALUATING |
| | | COMPETENCE | COMPETENCE |
| Apply medical | 3.3.2 SEXUALLY | Assessment of | Identification of |
| care to the sick | TRANSMITTED DISEASES | evidence obtained | symptoms is based on |
| and injured while | Knowledge of conditions and | from practical | the concept of clinical |
| they remain on | appropriate care for emergencies | instruction and | examination and |
| board | involving: | demonstration. | medical history. |
| | in or ing. | | mearear motory. |
| | • Sexually transmitted diseases | Where practicable, | Protection against |
| | | approved practical | infection and spread |
| | 3.3.3 TROPICAL AND | experience at a | of diseases is |
| | INFECTIOUS DISEASES | hospital or similar | complete and |
| | Knowledge of conditions and | establishment | effective. |
| | appropriate care for emergencies | establishment | chective. |
| | involving: | | Treatment of injury or |
| | myorying. | | condition is |
| | • Tropical diseases including: | | appropriate and |
| | • Tropical discusses meruding. | | conforms to accepted |
| | • Identify types of poisons based | | _ |
| | | | medical practice and |
| | routes of entry | | relevant national and |
| | • Identify potentially serious | | international medical |
| | | | guides. |
| | sources of insect and animal | | |
| | bites/stings | | The dosage and |
| | Drovido organisto coro for | | application of drugs |
| | • Provide appropriate care for | | and medication |
| | suspected exposure to insect and | | complies with |
| | animal bites and stings | | manufacturers' |
| | | | recommendations and |
| | 3.4 ALCOHOL AND DRUG | | accepted medical |
| | ABUSE | | practice. |
| | Ability to: | | |
| | | | The significance of |
| | • Recognize drug abuse | | changes in patients' |
| | | | condition is promptly |
| | • Understand responsibility and | | recognized. |
| | liability with respect to suspected | | |
| | drug abuse | | Personal attitude is |
| | | | calm, confident and |
| | Identify and access appropriate | | reassuring. |
| | resources to assist with cases of | | - |
| | suspected drug abuse | | |
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| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-3 Page: 22 of 27 |
|-----------------------------------|--|------------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

| Calumn 1 | FUNCTION: MIEDI | | Coloura 4 |
|-------------------|--------------------------------------|---------------------|-------------------------|
| Column 1 | Column 2 | Column 3 | Column 4 |
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS OF | CRITERIA FOR |
| | AND PROFICIENCY | DEMONSTRATING | EVALUATING |
| | | COMPETENCE | COMPETENCE |
| Apply medical | 3.5 DENTAL CARE | Assessment of | Identification of |
| care to the sick | Ability to: | evidence obtained | symptoms is based on |
| and injured while | | from practical | the concept of clinical |
| they remain on | • Recognize dental emergencies | instruction and | examination and |
| board | | demonstration. | medical history. |
| | 3.6 GYNECOLOGY, | | |
| | PREGNANCY AND | Where practicable, | Protection against |
| | CHILDBIRTH | approved practical | infection and spread |
| | Ability to: | experience at a | of disease is complete |
| | | hospital or similar | and effective. |
| | • Recognize labour and imminent | establishment | |
| | delivery | | Treatment of injury or |
| | | | condition is |
| | • Assist the mother in the delivery | | appropriate and |
| | of the new-born | | conforms to accepted |
| | | | medical practice and |
| | • Provide care for the new-born | | relevant national and |
| | child | | international medical |
| | | | guides. |
| | • Provide care for the mother | | - |
| | | | The dosage and |
| | • Provide care for the placenta | | application of drugs |
| | | | and medication |
| | Recognize signs of miscarriage | | complies with |
| | | | manufacturers' |
| | • Provide first aid and care for the | | recommendations and |
| | mother in cases of miscarriage | | accepted medical |
| | | | practice. |
| | | | 1 |
| | | | The significance of |
| | | | changes in patients' |
| | | | condition is promptly |
| | | | recognized. |
| | | | i coognizou. |
| | | | Personal attitude is |
| | | | calm, confident and |
| | | | reassuring. |
| L | 1 | 1 | reassuring. |

| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-3 Page: 23 of 27 |
|-----------------------------------|--|------------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

| | FUNCTION: MEDI | | 1 |
|-------------------|--|---------------------|-------------------------|
| Column 1 | Column 2 | Column 3 | Column 4 |
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS OF | CRITERIA FOR |
| | AND PROFICIENCY | DEMONSTRATING | EVALUATING |
| | | COMPETENCE | COMPETENCE |
| Apply medical | 3.7 MEDICAL CARE OF | Assessment of | Identification of |
| care to the sick | RESCUED PERSONS | evidence obtained | symptoms is based on |
| and injured while | Ability to: | from practical | the concept of clinical |
| they remain on | 5 | instruction and | examination and |
| board | Recognize signs and symptoms | demonstration. | medical history. |
| | of heat related illnesses | | |
| | - cramps | Where practicable, | Protection against |
| | - heat stroke | approved practical | infection and spread |
| | - heat exhaustion | experience at a | of diseases is |
| | neut exhlustion | hospital or similar | complete and |
| | • Provide care for heat related | establishment | effective. |
| | | establishinent | enective. |
| | illness | | Tarata at a fining a |
| | • Recognize signs and symptoms | | Treatment of injury or |
| | • • • • | | condition is |
| | various stages of hypothermia | | appropriate and |
| | Duravida anna faultana ath anna is | | conforms to accepted |
| | • Provide care for hypothermia | | medical practice and |
| | | | relevant national and |
| | Recognize signs and symptoms | | international medical |
| | of frostbite | | guides. |
| | | | |
| | Provide care for frostbite | | The dosage and |
| | | | application of drugs |
| | Knowledge of: | | and medication |
| | 6 | | complies with |
| | • Near drowning | | manufacturers' |
| | | | recommendations and |
| | • Care for the casualty involved in | | accepted medical |
| | a near drowning incident | | practice. |
| | a near drowning merdent | | practice. |
| | Decompression illness | | The significance of |
| | | | - |
| | • Resources available and access to | | changes in patients' |
| | | | condition is promptly |
| | same when dealing with | | recognized. |
| | decompression illness | | |
| | | | Personal attitude is |
| | | | calm, confident and |
| | | | reassuring. |
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| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-3 Page: 24 of 27 |
|-----------------------------------|--|------------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

| | FUNCTION: WIEDI | | |
|-------------------|------------------------------------|---------------------|-------------------------|
| Column 1 | Column 2 | Column 3 | Column 4 |
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS OF | CRITERIA FOR |
| | AND PROFICIENCY | DEMONSTRATING | EVALUATING |
| | | COMPETENCE | COMPETENCE |
| Apply medical | 3.8 DEATH AT SEA | Assessment of | Identification of |
| care to the sick | Knowledge of procedures and | evidence obtained | symptoms is based on |
| and injured while | protocols relating to: | from practical | the concept of clinical |
| they remain on | | instruction and | examination and |
| board | • Death on board or at sea | demonstration. | medical history. |
| | | | j. |
| | 3.9 HYGIENE | Where practicable, | Protection against |
| | Knowledge of procedures and | approved practical | infection and spread |
| | protocols relating to: | experience at a | of diseases is |
| | F8 | hospital or similar | complete and |
| | • Maintain a nursing station | establishment | effective. |
| | • Water and food storage | | Treatment of injury or |
| | | | condition is |
| | 3.10 DISEASE PREVENTION, | | appropriate and |
| | including: | | conforms to accepted |
| | | | medical practice and |
| | 3.10.1 DISINFECTION, | | relevant national and |
| | DISINFESTATION, | | international medical |
| | DERATTING | | guides. |
| | Knowledge of procedures and | | |
| | protocols relating to: | | The dosage and |
| | • Disinfection, disinfestation and | | application of drugs |
| | | | and medication |
| | de-ratting | | complies with |
| | | | manufacturers' |
| | 3.10.2 VACCINATIONS | | recommendations and |
| | Knowledge of procedures and | | accepted medical |
| | protocols relating to: | | practice. |
| | Vaccinations | | The significance of |
| | | | changes in patients' |
| | | | condition is promptly |
| | | | recognized. |
| | | | icooginzou. |
| | | | Personal attitude is |
| | | | calm, confident and |
| | | | reassuring. |
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| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-3 Page: 25 of 27 |
|-----------------------------------|--|------------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

| | FUNCTION: MEDIC | CAL CARE | |
|-------------------|---|---------------------|-------------------------------------|
| Column 1 | Column 2 | Column 3 | Column 4 |
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS OF | CRITERIA FOR |
| | AND PROFICIENCY | DEMONSTRATING | EVALUATING |
| | | COMPETENCE | COMPETENCE |
| Apply medical | 3.11 KEEPING RECORDS | Assessment of | Identification of |
| care to the sick | AND COPIES OF APPLICABLE | evidence obtained | symptoms is based on |
| and injured while | REGULATIONS | from practical | the concept of clinical |
| they remain on | | instruction and | examination and |
| board | 3.11.1 KEEPING MEDICAL RECORDS | demonstration. | medical history. |
| | Knowledge of: | Where practicable, | Protection against |
| | | approved practical | infection and spread |
| | Applicable record keeping | experience at a | of diseases is |
| | procedures | hospital or similar | complete and |
| | | establishment | effective. |
| | • Responsibilities for completion of | | |
| | medical records and appropriate | | Treatment of injury or |
| | filing of same | | condition is |
| | | | appropriate and |
| | Ability to: | | conforms to accepted |
| | • Complete appropriate written | | medical practice and |
| | | | relevant national and |
| | record keeping | | international medical |
| | | | guides. |
| | 3.11.2 INTERNATIONAL AND NATIONAL MARITIME | | The decage and |
| | MEDICAL REGULATIONS | | The dosage and application of drugs |
| | Knowledge of: | | and medication |
| | Kilowiedge of. | | complies with |
| | • Applicable national and | | manufacturers' |
| | international maritime medical | | recommendations and |
| | regulations | | accepted medical |
| | regulations | | practice. |
| | • Location of relevant documents | | practice. |
| | on board | | The significance of |
| | on courd | | changes in patients' |
| | | | condition is promptly |
| | | | recognized. |
| | | | |
| | | | Personal attitude is |
| | | | calm, confident and |
| | | | reassuring. |
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| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-3 Page: 26 of 27 |
|-----------------------------------|--|------------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

| | FUNCTION: MEDI | | |
|-------------------|--|---|--|
| Column 1 | Column 2 | Column 3 | Column 4 |
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS OF | CRITERIA FOR |
| | AND PROFICIENCY | DEMONSTRATING | EVALUATING |
| | | COMPETENCE | COMPETENCE |
| Apply medical | 3.12 EXTERNAL | Assessment of | Identification of |
| care to the sick | ASSISTANCE, including: | evidence obtained | symptoms is based on |
| and injured while | Ability to: | from practical | the concept of clinical |
| they remain on | | instruction and | examination and |
| board | 3.12.1 RADIO MEDICAL ADVICE | demonstration. | medical history. |
| | ADVICE Establish effective radio communication Complete appropriate verbal reports at handover 3.12.2 TRANSPORTATION OF THE ILL AND INJURED, including helicopter evacuation Ability to demonstrate urgent removal of the casualty: From the area of the incident From confined spaces From vehicles Ability to perform effective carries involving: One rescuer Two rescuers Multiple rescuers Stretcher carries Other equipment (e.g. stokes basket) | Where practicable, approved practical experience at a hospital or similar establishment | Protection against infection and spread of diseases is complete and effective. Treatment of injury or condition is appropriate and conforms to accepted medical practice and relevant national and international medical guides. The dosage and application of drugs and medication complies with manufacturers' recommendations and accepted medical practice. The significance of changes in patients' condition is promptly recognized. Personal attitude is calm, confident and reassuring. |
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| Transport Canada Marine Safety | Issue Date: August 1997 Approved by: AMSP | Ref: 13008-INF-3 Page: 27 of 27 |
|-----------------------------------|--|------------------------------------|
| ТР 13008 Е | TRAINING STANDARDS FOR MARINE FIRST AID AND | Revision No: 00 |
| | MARINE MEDICAL CARE | |

| | FUNCTION: MEDIC | CAL CARE |] |
|-------------------|--|---------------------|-------------------------|
| Column 1 | Column 2 | Column 3 | Column 4 |
| COMPETENCE | KNOWLEDGE, UNDERSTANDING | METHODS OF | CRITERIA FOR |
| | AND PROFICIENCY | DEMONSTRATING | EVALUATING |
| | | COMPETENCE | COMPETENCE |
| Apply medical | Knowledge of: | Assessment of | Identification of |
| care to the sick | - | evidence obtained | symptoms is based on |
| and injured while | Equipment available on board | from practical | the concept of clinical |
| they remain on | | instruction and | examination and |
| board | • Other resources (e.g. Coast Guard, | demonstration. | medical history. |
| | International assistance) and the | | |
| | requirements and procedures for | Where practicable, | Protection against |
| | gaining assistance from same | approved practical | infection and spread |
| | | experience at a | of diseases is |
| | 3.12.3 MEDICAL CARE OF | hospital or similar | complete and |
| | SICK SEAFARERS involving | establishment | effective. |
| | co-operation with port health | | |
| | authorities or outpatient ward in | | Treatment of injury or |
| | port | | condition is |
| | Ability to: | | appropriate and |
| | | | conforms to accepted |
| | • Establish an effective incident | | medical practice and |
| | command system | | relevant national and |
| | | | international medical |
| | • Establish a systematic allocation | | guides. |
| | and prioritization of resources | | |
| | | | The dosage and |
| | • Deal effectively with rescuers | | application of drugs |
| | injured or otherwise affected in | | and medication |
| | the line of duty | | complies with |
| | | | manufacturers' |
| | • Communicate effectively with | | recommendations and |
| | identified resources | | accepted medical |
| | | | practice. |
| | Responsibilities for castaways | | |
| | and rescued persons | | The significance of |
| | · · · · · · · · · · · · · · · · · · · | | changes in patients' |
| | • Legal and ethical responsibilities | | condition is promptly |
| | A | | recognized. |
| | • Appropriate cultural and | | |
| | behavioural considerations | | Personal attitude is |
| | | | calm, confident and |
| | 3.13 EXAMINATION | | reassuring. |
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