

APPENDIX H MEDICAL TRAINING

Model Training Course for an “OSR Compliant First Aid Course”

Part 1 – Introduction

1 General

Below is the framework for an MNA to establish a minimum First Aid training course suitable for offshore racing.

2 Target

The target of this course is to provide the Person in Charge of an offshore racing yacht with a crew member that is capable of taking care of common injuries and illnesses on board, as well as to take charge of the immediate medical actions at a major incident on board. Furthermore to advise the Person in Charge when a request for outside assistance is needed, as well as to advise when to retire from the race and proceed to nearest harbour.

3 Use of the model course.

Instructors should have a knowledge of the unique situation of offshore sailing in terms of delivering medical care. It is suggested that instructors be suitably trained and ideally a medical doctor, paramedics or nurse.

For an MNA wanting to establish a course without the specialist knowledge to correctly train and administer instructors it is suggested that they approach a suitable training partner. Training partners could be STCW training centres or land based first aid training providers who have personnel with suitable sailing experience but crucially an understanding of the liability issues. Should an MNA require advise please contact the World Sailing Secretariat – Technical and Offshore Department.

4 Evaluation. The final activities of the day should be an examination, which should be used together with instructors' continuous assessments to provide an overall evaluation. The pass mark is to be taken as 70% in each of the marked/evaluated units.

5 Implementation Detailed requirements are given below. Thorough preparation is the key to successful implementation of the course.

6 Literature

The following books for further study are not endorsed by World Sailing but merely are books suitable for background reading:

- Medical Emergency Afloat

- First Aid at Sea (Douglas Justin and Colin Berry, Adlard Coles Nautical, London) ISBN 9781408105993
- First Aid Afloat (Dr Robert Haworth) ISBN 9780906754887
- Skipper's Medical Emergency Handbook (Author Dr Spike Briggs, Dr Campbell Mackenzie) ISBN 9780713689372
- Doctor on Board: A Guide To Dealing With Medical Emergencies (Author Jurgen Hauert) ISBN 9781408112724
- MCA Ship Captain Medic book is now available free at http://www.mcga.gov.uk/c4mca/mcga07-home/workingatsea/mcga-medicalcertandadvice/mcga-dqs_st_shs_ships_capt_medical_guide.htm
- International Medical Guide for Ships, World Health Organisation, Geneva

General First Aid

- First Aid Manual 9th Edition (Author St John's Ambulance Brigade) ISBN 9781405335379

Non-English Publications

- Pan Pan Medico A Bordo (<http://www.panpan.it/>)
- Le Guide de la medecine a distance, by Docteur J Y Chauve, published by Distance Assistance BP33 F-La Baule, cedex, France. An English translation is being planned.

Part 2 - Syllabus

The course is planned for 8 hours and includes following sessions;

Session 1 Introduction

- 1.0 Marine medical environment and characteristics
- 1.1 Literature

Session 2 First aid kits for the Special Regulations races categories

- 2.0 Cat 4 contents (recommendations)
- 2.1 Cat 2-3 contents (recommendations)
- 2.2 Cat 1-0 (if relevant)

Session 3 Tele medical communications

- 3.0 Support options (Medical advice services through official bodies)
- 3.1 Radio/Mobile phone options for support
- 3.2 Licences/certificates for VHF/HF radio communications

Session 4 First Aid – The basics

- 4.0 Basic anatomy/physiology

- 4.1 L-ABCDE (Scene safety, Airway and cervical spine control, Breathing, Circulation and bleeding, Disability, Expose and protect from the environment)
- 4.2 Stopping of serious external bleeding

Session 5 Offshore accidents and actions onboard

- 5.0 Typical accidents onboard (wounds, cuts, sprained wrist etc)
- 5.1 General illnesses, fatigue etc
- 5.2 Actions and treatment
- 5.3 Helicopter evacuation
- 5.4 Transfer of casualty to rescue vessel

Session 6 Special offshore medical conditions

- 6.0 Seasickness
- 6.1 Hypothermia (Person recovered from sea)
- 6.2 Dehydration
- 6.3 Brain concussion
- 6.4 Keeping the blood sugar level up (what to eat and drink)

Session 7 Cardiac and respiratory arrest

- 7.0 Cardiopulmonary resuscitation (CPR)
- 7.1 Artificial respiration
- 7.2 Use of Defibrillator

Session 8 Systematic Accident management

- 8.0 Damage and causality evaluation
- 8.1 Decisions and actions – when to call for outside assistance, when to retire and proceed to nearest harbour
- 8.2 Observation and treatment of patients

Session 9 Psychology Treatment

- 9.0 Human reactions in distress
- 9.1 Treatment of psychological breakdowns
- 9.2 Crisis group management
- 9.3 Debriefing procedures

Session 10 Practical training

- 10.0 CPR
- 10.1 Patient observations and treatment
- 10.2 Radio medical training
- 10.3 Decision making – When to call for assistance, when to retire?

Session 11 Examination

- 11.0 A questionnaire of 25 questions, requirement >70 % correct.