



Tel: +27 (0) 12 366 2600
Fax: +27 (0)2 366 2601

161 Lynnwood Road
Cnr Duncan & Lynnwood Road
Brooklyn 0181

P.O Box 13186
Hatfield
Gauteng
Republic of South Africa

www.samsa.org.za



Tel: +27 (0) 61 076 4113
Tel: +27 (0) 83 969 0526

P and M Training Academy (PTY) Ltd
6 Cleonie Crescent
Charlo 6070

www.marinetc.wix.com/marinetc

SHORT RANGE CERTIFICATE (SRC) COURSES

We as a SAMSA accredited training institution will offer the SRC course to meet the following minimum requirements:

1. Course attendance

The SRC is listed in the Merchant Shipping (Safe Manning, Training and Certification) Regulations, 2013. "Radio operators are to have completed approved training and meet the standard of competence specified in the SAMSA Code of Qualifications", making course attendance mandatory. There are no specific educational requirements to attend the course.

2. Course content & notes

The SRC course content should effectively cover the SRC detailed syllabus as contained in the SAMSA Code.

2.1 Full SRC course - Modules A, B, C, D and E of the SRC syllabus are to be covered

2.2 Conversion SRC course - Modules A2, A3, A4, B2, C1 and C2 are to be covered.

Course notes are to be compiled by the training institution and submitted during the accreditation process.

3. Course duration: Minimum

SRC Course: 7 hours instruction time and 3 hours self-study time = 10 hours total study time.

Conversion: 3 hours instruction time and 2 hours self-study time = 5 hours total study time.

Clear instructions to students, as to how much and what self-study prior to the course, is required.

4. Course fee

As set by the SAMSA accredited training institution.

Full course: R2500.00 per person and includes SAMSA examination fee and SRC Certificate.

Conversion: R2000.00 per person and includes SAMSA examination fee and SRC Certificate.

5. Facilitator

The SRC course facilitator should hold a valid South African GMDSS Long Range Operator's Certificate and possess suitable experience.

Facilitator: Shaun Chamberlain.

Assessor: Peter Deyzel.

6. Simulators

6.1 Two fixed Class D VHF DSC Cobra Marine MR F55W EU Marine Transceivers (standard VHF DSC transceivers, with the RF power module removed, to prevent transmissions radiating outside the training room), connected back-to-back, via a coaxial cable and

a VHF DSC Simulator – Lightmaster Standard Horizon 1500 VHF Simulator.

6.2 Training radios are required to be licenced by the Independent Communications Authority of South Africa (ICASA) – they also issue the MMSI numbers.

6.3 1x dummy EPIRB, 1x dummy SART, 1x dummy portable VHF.

6.5 The practical assessments are conducted on the equipment used on the course.

6.6 All training equipment should be fully functional during the training.

7. Number of students

SAMSA allows a maximum number of 5 students per VHF DSC training radio or a maximum of one student per GMDSS simulator work station. Maximum number of ten students per course. To facilitate training MTC allows for a maximum of 6 students per course.

8. Classrooms

A suitable classroom with appropriate teaching resources should be available.

9. Publications

9.1 GOP-540.02 Short Range Certificate (SRC) (IMO MODEL COURSE)

9.2 Sample Ship Station Licence

9.3 Documentation of Distress, Urgency and Safety procedures

10. Examinations

On successful completion of the course, the candidate needs to sit the written examination and practical assessment for the issue of a SAMSA SRC Certificate of Competency and Authority to operate – not to be issued to anybody under the age of 16 years.

Full Course Duration (16 hours)

Full Time (2 Days)

Day 1:

A. General knowledge of radio communications in the maritime mobile service (3 hours)

08h30 – 10h00: A1. The general principles and basic features

10h00 – 10h15: Break

10h15 – 10h45: A2. System overview of the GMDSS structure

10h45 – 11h00: Break

11h00 – 11h30: A3. Search and Rescue (SAR)

11h30 – 12h00: A4. Maritime Safety Information (MSI)

12h00 – 12h45: Lunch

B. Practical knowledge of radio equipment (2 hours)

12h45 – 13h15: B1. VHF radio installation

13h15 – 14h15: B2. Digital Selective Calling (DSC)

14h15 – 14h45: B3. Antennas, interfacing and power sources

14h45 – 16h00: Break

C. Procedures and practical operation of the subsystems (2 hours)

16h00 – 16h30: C1. DSC Distress, urgency and safety communication procedures

16h30 – 17h00: C2. Protection of distress frequencies

Day 2:

C. Procedures and practical operation of the subsystems (2 hours)

08h30 – 09h30: C3. Alerting, Communication and Locating Signals

09h30 – 09h45: Break

D. Radiotelephony procedures (1.5 hours)

09h45 – 10h00: D1. Ability to exchange communications relevant to the safety of life at sea

10h00 – 10h15: Break

10h15 – 11h00: D2. Practical and theoretical knowledge of radio communication procedures

E. Regulations for VHF communications (1 hour)

11h00 – 12h00: E1. Regulations, obligatory procedures and practices

12h00 – 12h45: Lunch

F. Short Range Certificate (SRC) Practical Assessment (4 hours)

12h45 – 17h00: F1. Distress communications

F2. Urgency communications

F3. Safety communications

F4. Routine communications

F5. General

G. Test your Knowledge (Self Study)

Part Time (4 Evenings)

Evening 1:

A. General knowledge of radio communications in the maritime mobile service (3 hours)

18h00 – 19h30: A1. The general principles and basic features

19h30 – 20h00: A2. System overview of the GMDSS structure

20h00 – 20h30: A3. Search and Rescue (SAR)

20h30 – 21h00: A4. Maritime Safety Information (MSI)

Evening 2:

B. Practical knowledge of radio equipment (2 hours)

18h00 – 18h30: B1. VHF radio installation

18h30 – 19h30: B2. Digital Selective Calling (DSC)

19h30 – 20h00: B3. Antennas, interfacing and power sources

C. Procedures and practical operation of the subsystems (2 hours)

20h00 – 20h30: C1. DSC Distress, urgency and safety communication procedures

20h30 – 21h00: C2. Protection of distress frequencies

Evening 3:

C. Procedures and practical operation of the subsystems (2 hours)

18h00 – 19h00: C3. Alerting, Communication and Locating Signals

D. Radiotelephony procedures (1.2 hours)

19h00 – 19h40: D1. Ability to exchange communications relevant to the safety of life at sea

19h40 – 20h20: D2. Practical and theoretical knowledge of radio communication procedures

E. Regulations for VHF communications (40 minutes)

20h20 – 21h00: E1. Regulations, obligatory procedures and practices

Evening 4:

F. Short Range Certificate (SRC) Practical Assessment (3 hours)

18h00 – 21h00: F1. Distress communications

F2. Urgency communications

F3. Safety communications

F4. Routine communications

F5. General

G. Test your Knowledge (Self Study)

Conversion Course Duration (10 hours)

Full Time (1 Day)

Day 1:

A. General knowledge of radio communications in the maritime mobile service (1.5 hours)

08h30 – 09h00: A2. System overview of the GMDSS structure

09h00 – 09h30: A3. Search and Rescue (SAR)

09h30 – 10h00: A4. Maritime Safety Information (MSI)

10h00 – 10h15: Break

B. Practical knowledge of radio equipment (30 minutes)

10h15 – 11h15: B2. Digital Selective Calling (DSC)

C. Procedures and practical operation of the subsystems (1 hour)

11h15 – 11h45: C1. DSC Distress, urgency and safety communication procedures

11h45 – 12h15: C2. Protection of distress frequencies

12h15 – 13h00: Lunch

F. Short Range Certificate (SRC) Practical Assessment (4 hours)

13h00 – 17h00: F1. Distress communications

F2. Urgency communications

F3. Safety communications

F4. Routine communications

F5. General

G. Test your Knowledge (Self Study)

Part Time (3 Evenings)

Evening 1:

A. General knowledge of radio communications in the maritime mobile service (3 hours)

18h00 – 18h30: A2. System overview of the GMDSS structure

18h30 – 19h00: A3. Search and Rescue (SAR)

19h00 – 19h30: A4. Maritime Safety Information (MSI)

B. Practical knowledge of radio equipment (2 hours)

19h30 – 20h00: B2. Digital Selective Calling (DSC)

C. Procedures and practical operation of the subsystems (2 hours)

20h00 – 20h30: C1. DSC Distress, urgency and safety communication procedures

20h30 – 21h00: C2. Protection of distress frequencies

Evening 2:

C. Procedures and practical operation of the subsystems (2 hours)

18h00 – 19h00: C3. Alerting, Communication and Locating Signals

D. Radiotelephony procedures (1.2 hours)

19h00 – 19h40: D1. Ability to exchange communications relevant to the safety of life at sea

19h40 – 20h20: D2. Practical and theoretical knowledge of radio communication procedures

E. Regulations for VHF communications (40 minutes)

20h20 – 21h00: E1. Regulations, obligatory procedures and practices

Evening 3:

F. Short Range Certificate (SRC) Practical Assessment (3 hours)

18h00 – 21h00: F1. Distress communications

F2. Urgency communications

F3. Safety communications

F4. Routine communications

F5. General

G. Test your Knowledge (Self Study)