

Course code	ORC300
Course name	CROG - GMDSS Radio Operator Course
Duration	88 hours
Target group	Workers who wish to work as General Radioperators.
Prerequisites	<ul style="list-style-type: none"> - RG and CPF; - Passport (expatriate); - Be more than eighteen (18) years old; - Have completed high school or technical school; - Occupational health certificate (ASO) or certificate of good physical and health condition; and - Present a diploma, certificate or declaration that possesses knowledge of English and computer skills, at a basic level, which allows to obtain knowledge in order to perform on board communications in the international technical language.
Objective	To qualify the student, not a seafarer, to perform the tasks of General Radioperator, according to Rule IV/2 of the International Convention STCW-1978 and its amendments and Table A-IV/2 of Section A-IV/2 of the STCW-1978 Code and its amendments and the Brazilian Maritime Authority Standards.
Contents	<p>Communications Systems and Procedures - 43 hours</p> <ol style="list-style-type: none"> 1. Basic Principles and Characteristics of a Communications System - 06 hours 2. Power Sources and Emission from the Stations - 02 hours 3. Principles and Basic Characteristics of Maritime Mobile Satellite Service - 01 hour 4. General Principles and Basic Structures of the GMDSS - 04 hours 5. GMDSS Communication Systems - 20 hours 6. Other GMDSS Systems - 02 hours 7. Operational Procedures for General Communication - 04 hours 8. Protection of Distress Frequencies - 02 hours 9. Search and Rescue - 02 hours <p>Onboard Communications Systems Operation - 30 hours</p> <ol style="list-style-type: none"> 1. VHF Radiotelephone Operation - 03 hours 2. MF/HF Radiotelephone Operation - 02 hours 3. Navtex Operation - 04 hours 4. Radiotelex (NBPD) operation - 04 hours 5. INMARSAT-C operation - 04 hours 6. INMARSAT-A operation - 02 hours 7. INMARSAT-B Operation - 04 hours 8. VHF/MR/HF DSC operation - 04 hours 9. EPIRB and SART operation - 01 hour 10. Discussion of Real or Hypothetical Cases Involving Emergency Messages - 02 hours <p>Reserve time - 08 hours Exam time - 07 hours</p> <p>Legislation: Rule IV/2 of the International Convention STCW-1978 and its amendments and Table A-IV/2 of Section A-IV/2 of the STCW-1978 Code and its amendments and the Brazilian Maritime Authority Standards.</p>
Exam	The students will be given an initial 1-hour assessment for the purpose of leveling them. At the end of the sixth day, the student will go through a second 2-hour evaluation at the end of the Communications Systems and Procedures subject. And at the end of the course, the student will undergo a 4-hour practical evaluation of the transmission/reception test in critical emergency, rescue and safety situations.

Validity: 5 years