

ORC300

## CROG - GMDSS Radio Operator Course

<b>Duration</b>	88 hours
<b>Target group</b>	Workers who wish to work as General Radioperators.
<b>Prerequisites</b>	<ul style="list-style-type: none"> <li>- RG and CPF;</li> <li>- Passport (expatriate);</li> <li>- Be more than eighteen (18) years old;</li> <li>- Have completed high school or technical school;</li> <li>- Occupational health certificate (ASO) or certificate of good physical and health condition; and</li> <li>- 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.</li> </ul>
<b>Objective</b>	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.
<b>Contents</b>	<p>Communications Systems and Procedures – 43 hours</p> <ol style="list-style-type: none"> <li>1. Basic Principles and Characteristics of a Communications System – 06 hours</li> <li>2. Power Sources and Emission from the Stations – 02 hours</li> <li>3. Principles and Basic Characteristics of Maritime Mobile Satellite Service – 01 hour</li> <li>4. General Principles and Basic Structures of the GMDSS – 04 hours</li> <li>5. GMDSS Communication Systems – 20 hours</li> <li>6. Other GMDSS Systems – 02 hours</li> <li>7. Operational Procedures for General Communication – 04 hours</li> <li>8. Protection of Distress Frequencies – 02 hours</li> <li>9. Search and Rescue – 02 hours</li> </ol> <p>Onboard Communications Systems Operation – 30 hours</p> <ol style="list-style-type: none"> <li>1. VHF Radiotelephone Operation - 03 hours</li> <li>2. MF/HF Radiotelephone Operation - 02 hours</li> <li>3. Navtex Operation - 04 hours</li> <li>4. Radiotelex (NBPD) operation - 04 hours</li> <li>5. INMARSAT-C operation - 04 hours</li> <li>6. INMARSAT-A operation - 02 hours</li> <li>7. INMARSAT-B Operation - 04 hours</li> <li>8. VHF/MR/HF DSC operation - 04 hours</li> <li>9. EPIRB and SART operation - 01 hour</li> <li>10. Discussion of Real or Hypothetical Cases Involving Emergency Messages - 02 hours</li> </ol> <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</p>

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**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