



GMDSS RADIO MAINTAINER & GENERAL RADIOTELEPHONE OPERATOR LICENSE (GROL) W/ RADAR ENDORSEMENT

Course Objectives:

- FCC Elements 1, 3 & 8 FCC General Radiotelephone Operator License w/Radar Endorsement
- FCC Elements 1, 3, 8 & 9 FCC GMDSS Radio Maintainer's License w/Radar Endorsement

Course Description:

- This course covers the subject matter required to pass the exams needed to obtain the FCC General Radiotelephone Operator License w/ Radar Endorsement & FCC GMDSS Radio Maintainer's License w/Radar Endorsement.
- **The General Radiotelephone Operator License (GROL) with Radar Endorsement is a lifetime credential** that is the most broadly accepted FCC Wireless License available. This license is required to adjust, maintain, troubleshoot or internally repair transmitters for aviation, maritime, microwave, railroad, telephone and international fixed public radio systems and services. This license is regarded as a certificate of knowledge and is required by many employers in the radio/communication and electronic industry.
- **The Global Maritime Distress & Safety System (GMDSS) License with Radar Endorsement is a lifetime credential** that expands the GROL w/Radar to include the GMDSS. The GMDSS system is an internationally agreed-upon set of safety procedures, types of equipment, and communication protocols used to increase safety and make it easier to rescue distressed ships, boats and aircraft; also used for communication between ship stations and aircraft stations engaged in coordinated SAR operations and other safety purposes.

Subjects covered:

- Element 1** - definitions, terminology, operating procedures, equipment test and inspection requirements used in the maritime service.
- Element 3** - operating procedures, radio wave propagation, radio practices, electrical principles, circuit components, practical circuits, signals & emissions, antennas and feedlines.
- Element 8** - principles of radar, types of radar systems, system operations/components, radar equations, transmitters, receivers, antennas, maintenance techniques and safety issues.
- Element 9** - radio system theory, amplifiers, power sources, troubleshooting, digital theory, and GMDSS equipment and regulations.

Location:

Elkins' Tomales, CA Training Facility, and onsite in convenient training/conference rooms

Additional Information:

Elkins will bring this course to your location
Course will be customized to meet student needs
Contact Elkins for more information
Course can be held before or after work hours, and/or weekends.

Certification:

FCC General Radiotelephone Operator License (GROL) Elements 1 & 3
FCC Radar Endorsement Element 8
FCC Global Maritime Distress & Safety System Radio Maintainer (GMDSSM) Element 9

Tuition: \$1995 (\$1835-GSA)

Length: 5 days

**To schedule a course at your location,
call: (707) 792-5678 Toll Free: (800) 821-0906**



**Course is accredited by the University of Phoenix*

Elkins Institute, Elkins Training Company and Elkins Marine Training International are divisions of Elkins Holdings LLC. Elkins has a 60-year history in the technical training arena –commercial communications training, licensing and certification. We are a national Commercial Operator License Examination Manager (COLEM) for the FCC, and conduct United States Coast Guard (USCG), Det Norske Veritas (DNV) and U. S. Maritime Administration (MARAD) approved courses world-wide.