



GENERAL RADIOTELEPHONE OPERATOR LICENSE (GROL) WITH RADAR ENDORSEMENT (2023 SCHEDULE)

Course Objectives:

- FCC Elements 1, 3 & 8 FCC General Radiotelephone Operator 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 with 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, inspect, 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 and governmental bodies in the radio/communication and electronic industry, including being a requirement for companies installing public radio enhancement systems, sometimes referred to as Bi-Directional Amplifiers (BDA).

• **The course includes the administration of the official FCC exams**, and the proven course format and training techniques result in an extremely high pass ratio. The FCC license is emailed directly from the FCC to the student.

Subjects covered:

Element 1 - definitions, terminology, operating procedures, equipment test and inspection requirements used in service.

Element 3 - operating procedures, radio wave propagation, radio practices, electrical principles, circuit components, practical circuits, signals & emissions, antennas, amplifiers and feedlines.

Element 8 - principles of radar, types of radar systems, system operations/components, radar equations, transmitters, receivers, antennas, maintenance techniques and safety issues.

Locations:

Regularly Scheduled Classes at Tomales, CA:

2022: Dec 13-15

2023: Jan 31-Feb 2, Feb 28-Mar 2,

Apr 4-6, May 16-18, Jun 27-29,

Aug 8-10, Sep 19-21, Oct 17-19,

Nov 14-16, Dec 12-14

Scheduled Offsite Classes:

2023: Contact for current availability

Additional Information:

Elkins will bring this course to your location

Course will be customized to meet student needs

Contact Elkins for more information

Certification:

FCC General Radiotelephone Operator License (GROL) Elements 1 & 3

FCC Radar Endorsement Element 8 (bonus FCC Element included at no charge)

Tuition: \$1695

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

Elkins Institute, Elkins Training Company and Elkins Marine Training International are divisions of Elkins Holdings LLC. Elkins has a 71+ 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, under the auspices of BFT Training Unlimited, Inc. dba Elkins Institute, and conduct USCG, DNV and MSC approved courses world-wide.