



GENERAL RADIOTELEPHONE OPERATOR LICENSE (GROL) WITH RADAR ENDORSEMENT (2024 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:

2023: Nov 14-16, Dec 12-14

2024: Jan 30-Feb 1, March 5-7, Apr 9-11,
May 14-16, Jun 18-20, Jul 23-25,
Aug 27-29, Sep 24-26, Oct 22-24,
Nov 19-21, Dec 17-19

Scheduled Offsite Classes:

2024: 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**

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