

FCC Commercial License:

General Radiotelephone Operator License (PG) (GROL)

A General Radiotelephone Operator License (PG), or better known as GROL, is required to adjust, maintain, or internally repair FCC licensed radiotelephone transmitters in the aviation, maritime, and international fixed public radio services. The GROL conveys all of the operating authority of the Marine Radio Operator Permit (MP).

It is also required to operate the following:

- Any maritime land radio station or compulsorily equipped ship radiotelephone station operating with more than 1500 watts of peak envelope power.
- Voluntarily equipped ship and aeronautical (including aircraft) stations with more than 1000 watts of peak envelope power (or pleasure maritime HF radio stations).

To qualify, you must:

- be a legal resident of (or otherwise eligible for employment in) the United States; and
- be able to receive and transmit spoken messages in English; and
- pass a written and/or telegraphy examination(s) as described below under Examinations.

Applicants must submit, to the FCC Commission, proof of passing written and/or telegraphy Elements as illustrated in the following table.

The GROL Licenses are issued for the holder's **lifetime**.

View Complete Exam Elements Table	FCC Acronym	Examination Elements								Term			
		Written				Telegraphy							
		1	3	5	6	7	8	9	1	2	3	4	
GROL General Radiotelephone Operator's License	PG	•	•										LIFE
About GROL Written Elements													
Element	Overview												
1	Basic radio law and operating practice												
3	Electronic fundamentals and techniques required to adjust, repair and maintain radio transmitters and receivers. The exam includes questions from the following categories: operating procedures, radio wave propagation, radio practice, electrical principles, circuit components, practical circuits, signals and emissions, antennas and feed lines.												