

What are the License requirements?

Star-Tech Marine Electronics sends all of their technicians to be obtain FCC licenses that are required for FCC/SOLAS/ABS/Lloyds Register Inspections. These are elements 1,3,8 and 9.

Element 1: Basic radio law and operating practice with which every maritime radio operator should be familiar. To pass, an examinee must correctly answer at least 18 out of 24 questions.

Element 3: General Radiotelephone. Electronic fundamentals and techniques required to adjust, repair, and maintain radio transmitters and receivers. To pass, an examinee must correctly answer 75 out of 100 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

Element 8: Ship Radar Techniques. Specialized theory and practice applicable to the proper installation, servicing, and maintenance of ship radar equipment in general use for marine navigation purposes. To pass, an examinee must correctly answer at least 38 out of 50 questions.

Element 9: GMDSS Radio Maintenance Practices and Procedures. Requirements set forth in IMO Assembly on Training for Radio Personnel (GMDSS), Annex 5 and IMO Assembly on Radio Maintenance Guidelines for the Global Maritime Distress and Safety System related to Sea Areas A3 and A4. The exam consists of questions from the following categories: radio system theory, amplifiers, power sources, troubleshooting, digital theory, and GMDSS equipment and regulations. To pass, an examinee must correctly answer at least 38 out of 50 questions.