

RADIO FUNDAMENTALS AND RF TECHNOLOGY

OVERVIEW

The requirements of the ISO 9000 Series of Quality Management require that appropriately qualified personnel perform the auditing task. ISO 9001, revised approximately every five years, last saw revisions in 2008. ISO 9001:2015 is the latest version.

The Internal Quality Auditing course not only provides the training necessary to meet these requirements in full, but also ensures that the audit techniques learnt contribute to continuous improvement.

TARGET MARKET

Any personnel with responsibility or authority for performing, receiving or managing Internal Quality Auditing Programs. The proven technique of cross auditing between departments, operations or sites requires that personnel from a wide range of activities and functional areas receive proper training in audit techniques. Personnel wishing to attend this course should have attended our introduction course or have previous knowledge of the ISO 9000 Series of standards (namely ISO 9001).

COURSE OUTLINE

- Introduction to RF technology
- Electronic components and characteristics
- AF and RF frequencies and its fundamentals
- AM and FM modulations
- Type of frequencies and frequency bands
- RF components and their characteristics
- AF and RF circuits
- AF and RF amplifiers
- Radio theory and circuits
- Radio: Functional components and use
- Test equipment's usage: Multi-meter, Oscilloscope, Frequency generator,
- Spectrum analyzer and Power meter.
- Electrical and Electronics components checks
- Defects and repairs on all type of RF components and devices
- Trouble shooting methodology
- Trouble shooting radio circuits

OBJECTIVES

To enhance knowledge and skills in the following areas:

- Knowing radio and RF frequency and its fundamentals
- Understand radio theory and radio components functions and usage
- Know defects of all types of electric and electronic components and circuits.
- Components, Radio circuits and its industry and commercial applications
- Radio test equipment's and their uses in RF measurements
- Trouble shooting Radio circuits and Split half techniques advantages.
- Maintenance of RF equipment's

SBL CLAIMABLE



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