

RF Awareness Course Syllabus

This document details the basic minimum requirements of the course syllabus that Arqiva will accept to access sites where RF awareness training is required.

Course Syllabus

- Electromagnetic fields
- E fields
- H fields
- Alternating fields
- Frequency and wavelength, speed of light relationship
- Electromagnetic spectrum
- RF and Microwave bands
- Ionising Vs Non-ionising radiation
- Biological effects
- Typical power outputs and sources
- Human body - direct and indirect effects
- Dielectric composition
- Tissue geometry and size
- Penetration depth vs. frequency
- "Non-thermal effects"
- National and international guidelines
- HPA, ICNIRP, US FCC, ANSI etc.
- European Union Electromagnetic fields directive
- RF policy
- Source characteristics including antenna types
- Low Frequency and Medium Frequency antennas and precautions
- Near field and far field
- Measurement equipment
- Survey meters
- Personal Monitors
- Warning signs etc

Course Duration

To adequately cover the items listed above we would expect the training session to last approximately four hours or half a day as a minimum.