



RFID Technician Occupational Profile

An RFID technician processes the foundational knowledge to install and troubleshoot RFID reader installations, participates in RFID solution design, determines the technology to address RFID problems and identifies various RFID tag and reader technologies. Major skills sets include:

Site Survey

- Use of analysis equipment such as spectrum analyzer
- Understanding sources of interference

Physical Aspects of the System design

- Understanding the layout of the space
- Identifying touch points for RFID equipment
- Analyzing types of readers that can be used
- Interrogation zone basics including interference
- General knowledge of RF Physics
- Identifying communication interfaces (WiFi, hardwired)

Tag Knowledge

- Selection of the best tag for the application
- Differences between active and passive
- Evaluate media and adhesive opportunities
- Tag orientation and location

Standards and regulations

- Map user requirements to standards
- Identify regulatory requirements (domestic and international)
- Identify differences between air interface protocols

- Apply safety regulations/issues

Install Equipment

- Use industry standards/best practices
- Readers/Antennas
- Peripherals
 - Printers
 - label applicators
 - light stacks, horns etc.

Testing, troubleshooting and maintenance

- Diagnose hardware problems including firmware updates
- Analyze less than required read rates
- Identify tag failure reasons
- Compare actual versus expected tag data



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