
Overview

This standard is about installing and commissioning communication systems for metering installations, in accordance with approved procedures and practices.

To meet this standard you will demonstrate you can:

- prepare the work area confirming it is in a safe condition to carry out the intended activities
- work with people from different trades to meet customer requirements
- work with minimal supervision, taking personal responsibility for your own actions and for the quality and accuracy of the work carried out
- communicate effectively with all customers and members of the public
- work safely throughout, understanding your responsibility for taking the necessary safeguards to protect yourself and others in the workplace.

This standard is suitable for a craftsperson or technician working in the energy supply and use sector who has to install and commission metering installations

Performance criteria

You must be able to:

1. use available information to identify the plant or apparatus to be worked on
2. select, inspect and wear relevant personal protective equipment for completing work activities in line with organisational procedures
3. carry out a site-specific risk assessment of the work, identifying hazards and the required control measures
4. communicate the planned work activity to all affected parties in accordance with organisational policies and procedures
5. carry out a pre-use inspection of the tools and equipment to be used, checking condition and service information in accordance with organisational procedures
6. choose, and agree with the customer, a suitable location for the planned installation of the communication system
7. prepare the location to accommodate the planned installation using information from customer discussions and the site-specific risk assessment
8. install, connect and commission the communication system for metering installations
9. record and report the results of the installation and commissioning operation in accordance with organisational procedures
10. check and test the installation functions according to specification
11. provide the customer with the documentation for the relevant incentive schemes
12. confirm the customer can use the communication system
13. use relevant diagnostic procedures to determine the causes of system faults in line with manufacturer's guidelines, where appropriate
14. report system faults in equipment and components that cannot be rectified on site to the responsible person
15. communicate the technical requirements of the completed work activity to all affected parties answering any technical queries, where appropriate
16. store tools and equipment safely and securely, leaving the work area in a safe condition in accordance with organisational procedures

Knowledge and understanding

You need to know and understand:

1. the principles of health and safety in the workplace, environmental legislation and relevant regulations in relation to the work to be carried out
2. your organisation's safety rules, policies and procedures in relation to installing and commissioning communication systems for metering installations
3. your organisation's isolation and locking-off procedures relating to work on smart metering systems
4. your organisation's procedures for how to present and introduce yourself to customers
5. The correct personal protective equipment for the work and how to select, inspect and use this
6. the company reporting lines, authorisation roles and responsibilities
7. your organisation's processes and procedures for inspecting and preparing tools and equipment prior to use
8. how to carry out a risk assessment, identify hazards and assess risks of the site and proposed activity
9. the hazards associated with working on or near electrical systems and equipment and how to deal with them
10. how to inform the customer if the installation cannot be completed and what actions are required for successful completion
11. the working of communication systems for smart metering and the different types of in-house display equipment
12. the benefits of communication technologies used in smart metering for both customers and energy suppliers
13. the documentation required for the relevant incentive schemes
14. how to explain the operation of meter installation systems to the customer including:
 - 14.1 the operation of In-House Units (IHU)
 - 14.2 accessing supplier web-based energy information
 - 14.3 prepayment meters and accessing relevant energy usage information
 - 14.4 pairing meter installations with compatible appliances
 - 14.5 the operation of export tariffs
 - 14.6 having an awareness of Alt Han solutions in multi-occupancy buildings
15. the importance of communicating the technical requirements of the work to all affected parties throughout the activity
16. how to update, report and record information in accordance with organisational

procedures

17. how to leave the work area secure and the importance of doing so
18. how to communicate with the customer if things don't go as planned

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