



UTILITY MAPPING SURVEYOR – COMPETENCY ASSESSMENT

The practical assessment will be conducted in a typically congested area using one of the three options below.

- ✓ Sygma Solutions Utility Mapping Training Centre in Wigan
- ✓ The Survey School in Worcester
- ✓ On a site of your choosing or real project (extra time & cost might be involved)



As in independent training & assessment provider we can provide competency assessment on utility surveyors



Providing confidence and independent certification for your team of surveyors. It can also allow any refresher training to be more tailored to their needs.



The results can be used towards ProQual Qualifications in the future.

At Wigan & Worcester locations we have ideal areas in real, challenging environments, containing a vast array of utilities, all requiring different application techniques to locate.

The candidate will survey a small area with the results sketched onto a plan.

The candidate will be continuously assessed throughout the process, which will be fully documented.

On completion you will receive

- A copy of the practical drawing result
- Practical assessment and observation sheet
- The final marked written exam
- Summary report

The practical will consist of 3 parts:

PAS128 Level D&C

- ✓ Level D – Understanding utility stats plans
 - ✓ Level C – “locating without a locator” exercise will be completed
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PAS128 Level B (EM)

- ✓ Level B – EM equipment will be used in a set area
 - ✓ Set up and controls
 - ✓ Applying the transmitter signal using 4 different methods.
 - ✓ Frequency selection for different utilities
 - ✓ Earth management and position
 - ✓ Transmitter output – resistance, current & volts.
 - ✓ EM Field distortion & Evaluation – Antenna modes
 - ✓ Current Direction - Current Measurement -Depth Estimation
 - ✓ Induction sweeps & nulling out
 - ✓ Sonde location
 - ✓ Application of PAS128 quality levels
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PAS128 Level B (GPR)

- ✓ Set up and controls
- ✓ Setting up a grid
- ✓ Velocity & Filters
- ✓ Depth estimation
- ✓ Hyperbole spotting
- ✓ Application of PAS128 quality levels

KNOWLEDGE BASED ASSESSMENT

A 30-question exam will be completed under exam conditions

- ✓ Understanding plans
- ✓ Utility networks
- ✓ EM equipment
- ✓ GPR
- ✓ Sonde location
- ✓ PAS128 quality levels

For more details please contact enquiries@sygma-solutions.com