

5 DAY PAS128 UTILITY MAPPING & SURVEYING COURSE

TSA & CICES approved and mapped to the ICES competencies for Utility Mapping

Can include the ProQual Level 3 Utility Mapping Qualification as an add on option

www.sygma-solutions.com

The 5 day course is an in depth course delivered by the most experienced trainers and assessors in the industry. Covering PAS128 D,C & B with advanced EM & GPR training.

The course fulfils some of the evidence requirements for the ProQual Level 4 & 5 Utility Mapping Qualifications.

A thorough documented practical and knowledge based assessment will be recorded along with a final survey drawing of a completed area conducted by the delegate.

3 VENUE CHOICES ARE AVAILABLE

Open Course

Sygma Solutions Utility Mapping Centre in Wigan

Open Course

The Survey School in Worcester.

Private course

This will be arranged at your premises or a site of your choice

For beginners new to the industry who do not have a mentor in the workplace, we can offer additional practical sessions throughout the year on demand if necessary.



For more details or to book please contact bookings@sygma-solutions.com

MODULES

Module 1

Desktop Survey & Site Reconnaissance PAS128 Level D & C

- ✓ Understand relevant specifications and standards relating to Utility Surveys and Mapping e.g. PAS128 and PAS256.
- ✓ Obtain (either directly or from 3rd party), interpret and understand statutory undertakers records
- ✓ Site reconnaissance & methods of identifying services prior to use of geophysical detection methods.
- ✓ Understand applicable licensing requirements, legislations and how it applies including CDM considerations: HSG47, NRSWA, Management Act and any other.

ICES GEUS01 A-D

Module 2- Part A

EM Locators Basic Theory - PAS128 Level B (EM)

- ✓ Electrical theory & circuits
- ✓ Effective use of the electromagnetic methods of locating services.
- ✓ Direct connection, induction clamp. Sonde induction, Passive modes

Module 2- Part B

EM Advanced Locating - PAS128 Level B (EM)

- ✓ Field distortion - Peak/Null
- ✓ CD/CM & Depth
- ✓ Extensive practical applications
- ✓ Identify where use of alternative detection methods may be suitable
- ✓ Overview of geophysical methods: - Electromagnetic conductivity, Acoustic pipe detection methods
- ✓ Gyroscopic techniques
- ✓ Drainage surveys

ICES GEUS01 E&G

Module 3

GPR - PAS128 Level B (GPR)

- ✓ Licensing requirements
- ✓ Different GPR technologies
- ✓ Methods of GPR Survey
- ✓ GPR Theory
- ✓ Set up & controls
- ✓ Practical use on site including grid
- ✓ PAS128

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