



# ACE Safety Academy Ltd – Scheme of Work

**Module Code**

CG

**Course Duration**

1 day

**Qualification Title**

Cable Avoidance Tool and Genny

**Aims and Objectives**

The aim of this course is to provide trainees with the knowledge and understanding to demonstrate safe techniques in the location of underground plant when using CAT & Genny detection equipment.

**Day / Times**

**TOPIC**  
[Including Key Skills / Basic Skills]

**RESOURCES**

**COMMENTS**

**09.00am – 16.00pm**

**Introduction** – Course Registration, Aims and Objectives

**Why Use Cable Locators** – Pinpointing plant, Underground Locations, Consequences of not locating

**Cable Locators** – Diagram and description of parts, What can be detected, Depths the CAT can detect

**Power Mode** – Description of the mode, Diagrams showing usage, Lighting cables including low voltage, Transmission lines, Part 1 of the training video

**Radio Mode** – Influences of Radio and Television signals, Part 2 of the training video

**Genny Mode** – Description, Direct connection to the Genny, Diagrams, Use of the extension lead, Use of the signal clamp, Mains plug connection, Part 3 of the training video

**Genny Used in Induction Mode** – Two person sweep, Null sweep, Part 4 of the training video

Powerpoint presentation, projector, pens and student handouts.

Suitable classroom if delivered outside Ace head office.

	<p><b>Functional Checks</b> – Test Area, Test Procedures, Audio responses</p> <p><b>Tracing</b> – Finding direction, Finding the route and marking, Signal Loss, Excavating, Part 5 of the training video</p> <p><b>Using as an Operational Survey Tool</b> – Tracing a water service, Energising at a stop cock, Batteries, Search, Pinpoint, Trace, FlexiSonde, Mouse, Part 6 of the training video</p> <p><b>Practical Exercises / Assessments</b> – Individual written and practical assessments with supporting oral questions</p> <p>End of course discussion</p> <p>Close</p>		
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