

Course Title:	3 Day Utility Locator Training Program
Intended Audience	All persons employed in the Civil Construction industry who need accurate information on the location and alignment of buried underground services. Whether completely new to the industry or with 20 years' experience this course will provide vital information that will enhance your knowledge and skills to enable more accurate locating results.
Course Objective:	Raising the awareness of the presence of underground services and enabling the participant to assess their own and/or other staff and contractor's competency. The course focuses on the DBYD process, plan reading and EMI Locating both known and unknown assets with a specific emphasis on increasing locating accuracy. Participants engage with different types of locating equipment and develop knowledge of their use and limitations. This course has a distinct focus on the practical elements of locating.
Course Description:	This course is comprised of three 8 hour days in duration, between 8.00am and 4.00pm daily. Participants are assessed on both theory and practical elements. A StakingU Certificate of Attendance is issued at the successful completion of the course.
Course Content:	The course is broken into six (6) separate modules delivered and assessed over a period of three (3) consecutive days. The modules are as follows: <ul style="list-style-type: none"> • Module 1 – How Locating Instruments Work • Module 2 – Why Locating Instruments Work • Module 3 – How to Use Locating Instruments • Module 4 – How to Locate – Current, Shape & Endpoint • Module 5 – Asset Owner Requirements – differentiating and locating Optic Fibre • Module 6 – Asset & Utility Awareness – 'The Deadly Sins' Participants will be provided with; <ul style="list-style-type: none"> • Comprehensive course manuals. These manuals should be retained as reference sources. • A range of different pipe and cable locators for use during the course. • A StakingU Certificate of Attendance at the successful completion of the course. Participants are invited to bring their own Locator to the course for use during the training.
Student Numbers:	Minimum of 6 and a maximum of 12 per class
Trainers:	Our instructors are appropriately qualified industry professionals and have a minimum of a Certificate IV in Training and Assessment - TAE40110. Our Trainers are vocationally current, and have many years' experience working as Utility Locators. They continue to refine their skills by regularly returning to the work site.
General Information:	Staking U will provide a suitable training room for the theory component of the course. Additionally, the location selected will have a suitable outdoor area that will be utilised for the outdoor practical component of the training. Training can also be provided on-site at client depots or offices with minimum numbers. Participants are required to wear enclosed footwear and high visibility clothing / safety vest, bring a pen and provide their USI number. Lunchtime catering will be provided.
Teaching Methods:	A variety of strategies are employed to ensure that the most benefit to the adult learner is achieved. Lectures, demonstrations, field work, open discussion, work scenarios. The main focus of the course is a 'hands on' learning experience.



Methods of Assessment:	Written diagnostic assessments are conducted on days 1, 2 and 3. Formative assessments are conducted throughout the course during all practical activities. Final summative practical certification assessment is conducted on the final day of course.
Entry Requirements:	Participants must have the ability to read, write and understand English.
Attendance Policy:	Participants must attend all sessions in order to be eligible for assessment.
Schedule of Fees:	\$1800.00 (+GST) per student for the 3 Day Utility Locator Training Program. Price includes all course materials, all assessments and the use of locating equipment. Cancellation fees apply.

**Course
Content:****Module 1 – How Locating Instruments Work**

One of the greatest gaps in knowledge within the Locating profession is the fact that whilst a locator may know the basics of how to operate a locating device, very few locators have ever learned how the instrument actually works. Knowledge of how locating instruments work, is necessary in a locator being able to operate the equipment to its highest capacity.

Module 2 – Why Locating Instruments Work

Building on the foundational concepts of Module 1, this module demands a more skills based emphasis in order to further explore the way a current affects the accuracy of a locate. The impacts that different types of utility insulation, soil types, earths and other factors have on a location are introduced.

Module 3 – How to Use Locating Instruments

The greatest influencing factor on the accuracy of a location is the shape of the electromagnetic field on a target line. Module 3 details the methods of determining electromagnetic field shape on a target line and also explains the consequences of inaccurate locates.

Module 4 – How to Locate underground assets, both conductive and non-conductive, AS5488

This module brings together all of the theories and practices explored throughout the previous three modules, and focuses on actually undertaking the complete role of locating. The overall intent of Module 4 is to prove through demonstration and practice, that if all previously learned elements are implemented correctly, locating will always be accurate and achievable. It removes all room for error and teaches the learner to be able to find all utilities, plant and services within a specified area, with or without plans.

Module 5 – Asset Owner Requirements – ‘Differentiating and Locating Optic Fibre’

Module 5 is aimed at providing the learner with the specific requirements that the asset owner has, in relation to locating and working around their asset. The previous modules were common to any form of locating, whereas this module is specific to practices and procedures required of a Locator who wishes to achieve and maintain accreditation. There is a large focus on the importance of ‘getting it right’ when it comes to optic fibre cables and includes an exploration and practice different methods of identifying and locating optic fibre in varying conditions, building upon the techniques and methods used to locate all other types of assets in previous modules.

Module 6 – Asset and Utility Awareness – Locating Process – How to Process a Site.

Module 6 provides an in depth examination of the common risks, hazards, pit falls and characteristics of different types of underground services and utilities. The module is aimed at examining how to different utilities behave and how to treat each of them, from the perspective of a Locator.