

Underground Utility Detection Survey and Mapping – Land Surveyors Board Malaysia Certification Course

Siew Siew Weng and Ibrahim Shahabuddin (Malaysia)

Key words: Education; Professional practice; Underground Utility; Detection and Survey; Licensed Land Surveyor

SUMMARY

The subject matter Underground Utility Detection Survey and Mapping (UUDSM) encompasses 3 core disciplines i.e. Electrical and Electricity which focus on signal and operation aspects, Geology and Geophysics on acquisition anomaly aspect and Mapping which provide a complete spatial definition of “what is where”. Attempt at knowledge transfer largely depends on the domain of expertise and constraints as well as business focus of organizations, corporations and academic institutions. A review of existing courses offered by these organizations worldwide only serve to prove that these courses fall short of the expected role to be played by land survey professionals. Recognizing the need to address the issue, the Land Surveyors Board Malaysia and the Association of Authorized Land Surveyors Malaysia has embarked on a mission to design and offer a professional course in UUDSM to its members at post-graduate level in line with the professional and institutional need on the country. Beside the challenge to unify a multitude of discipline, the conduct of the course has to cater for the underlying constraints that its potential candidates are professional land surveyors who have their practice to attend to. To date, three batches of a total of 90 Licensed Land Surveyors have successfully completed the said course and awarded with Competency Certificates by the Board of Land Surveyors Malaysia. This paper will present the contents, modules and implementation schedule of the course. Participations and the role played by various experts from institutions of higher learning and organizations are specifically highlighted and duly recognized as having contributed to the successful implementation of the course.