

The Establishment of Hydrography and Marine Technology Programme (UTM HYDRO III) for Malaysian Professional Land Surveyors

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Key words: CPD; Education; Hydrography; Standards; Young surveyor; Hydrography and Marine Technology Programme; UTM HYDRO III, Malaysian Professional Land Surveyors

SUMMARY

The establishment of Hydrography and Marine Technology Programme (UTM HYDRO III) that meets the FIG/IHO/ICA Category 'A' standard plays a vital role to hydrographic surveying industry and education in order to keep hydrographic industry relevant to current technologies and surveying needs. UTM HYDRO III provides essential aspects such as industrial collaboration and comply with the new standard known as FIG/IHO/ICA Standards of Competence for Category 'A', Publication S-5A, First Edition, Version 1.0.1–June 2017. This programme is designed for members of the Malaysian Professional Land Surveyors consisting of Licensed Land Surveyors and Registered Land Surveyors in Peninsular Malaysia and East Malaysia (Sabah and Sarawak). UTM HYDRO III is the first programme organised by UTM in collaboration with three different agencies comprising of the National Hydrographic Centre (NHC), the Department of Survey and Mapping Malaysia (DSMM), and Land Surveyors Board Malaysia (LJT). The cooperation between various agencies and education institution is to ensure the hydrographic education provides comprehensive knowledge in line with hydrography development and continuous learning among Land Surveyors in Malaysia. In terms of educational studies, all relevant sides have managed the syllabus of hydrographic education and the learning process criteria that meets the requirement of hydrographic industry. The theory and practice has to be clearly delivered for education purposes to meet the standards of the current technologies. Apart from the theories and practical laboratory exercises, UTM HYDRO III's programme provides hydrographic practical exercise that train the students to conduct comprehensive hydrographic survey operation in accordance to IHO Standards. The Standards of operation and guidelines for hydrographic survey practical will be conducted and monitored by NHC. Hence, UTM HYDRO III is a platform to train land surveyors professionally in line with the latest technologies in hydrography and to ascertain their expertise is recognised at international level. This paper will focus on the structure of UTM HYRO III and the benefit of this programme towards the land surveyors and the country.

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FIG Working Week 2019

Geospatial information for a smarter life and environmental resilience

Hanoi, Vietnam, April 22–26, 2019