

Present and Future Geodetic Applicational Challenges in Israel

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SUMMARY

In the past two decades we have been witnesses to the fact that satellite geodesy and technology is ahead of the existing standards, regulations and knowledge. This paper deals with the meaning and consequences of this situation in Israel. The following topics will be presented. The standing of the profession in the era of technology. The foci of knowledge. Is there a need to improve the interaction between the government, the academia, professional societies, etc. What is the relative weight of the influence factors. Technologies enable non-qualified persons to do the work... is this acceptable? The future of ordinances and regulations. We should ask ourselves if the regulations and ordinances are a legal obligation or are they a recommendation? What is the connection between quality, ethics and regulations? Perhaps the key can be found in ISO standards. The future of national or international (ITRF) datum in Israel. The required number of orders in geodetic control. In the past, there were 7 orders for the horizontal control. Today we think essentially of 3 orders. Vertical control basically by ellipsoidal heights. Education in the age of technology. Satellite geodesy status. The rapid growth of satellite geodesy among all users indicates that very soon the status of traditional geodesy will be close to zero. How do we accept it? What should we do about it?

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