

# Field Surveying Inspection Using Tablets

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## SUMMARY

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Abstract:

Survey of Israel (SOI) , is the government agency for mapping, geodesy, cadaster and geoinformatics , GIS . The Survey is responsible for the national infrastructure in these areas as well as for a number of official functions. In the realm of cadaster, the Survey leads activities leading to land registration and is responsible for defining boundaries of blocks and parcels in terms of coordinates and plans. One of the departments responsible for surveying and observation is the field department. Considerable advances towards modern technology have been observed recently resulting in improvement of both organizational and professional procedures in all cadastral areas.

The paper explores the potential use of tablets as a replacement of the traditional paper-based maps and coordination charts. Tablets can be used in the field setting as a means of shortening procedures and saving time and efforts. However, advanced preparation is required to ensure optimal efficiency. Cooperation between the field team and the administrative team and deep knowledge of GPS operating procedures are basic requirements of integrating the use of tables in the field department. The paper sheds light on the different requirements of using tables on the field as well as the different aspects of coordination among different divisions to ensure optimal use.