

Introduction

In 2000, Society of Exploration Geophysicists of Japan published *Application of Geophysical Methods to Engineering* to address the perceived demand for formal standards of geophysical surveys. This book in Japanese proposed a general procedure for geophysical survey investigating ground conditions.

The book neither introduces new methods nor attempts to explain the latest technological advance in geophysics, but is a manual aimed at fostering a common understanding of geophysical surveys for engineers and clients. The main chapter of this book details procedures of planning, data acquisition, analysis and reporting for seventeen geophysical survey methods widely used in Japan.

Some techniques in this book have been developed in Japan specifically for local application and may not be commonly used or even appropriate to use in other parts of the world with different environments. However, we decided to publish this English edition, as we believe this manual would be useful to all the geophysicists and engineers. Readers are advised that it is important to understand the reasoning behind the procedures rather than simply following the procedure described, where the geophysical techniques are used under different conditions.

Finally, we thank those parties and individuals who contributed to and collaborated in issuing this English edition.

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