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TITLE OF DIPLOMA THESIS:

Synthesis of the technical specifications used internationally for the construction of
medium-sized marine projects in Greece

AUTHOR: Hatzikranioti Zoi

ABSTRACT

In this study, the procedures, the quality control and inspection methods related with typical medium-sized port construction projects in Greece have been investigated along with material reception and vendor acceptance criterions. The directives that concern the detailed activities of these construction projects, result by cross examining the quality control specifications composed in Greece but also in the European Union, the United States of America, Japan and the Netherlands. The case of Japan was included in the investigation due to the intense seismic activity in the area, whereas special reference was made for the Netherlands and was separately studied from the rest of European countries since it is considered a pioneer and innovator in the field of port construction projects. In addition, the information related to the Greek descriptive billing of current pricing analysis of port construction projects and to the guides of Special Quality Control Consultant (ESPEL), which is obliged (ΦΕΚ 2372/1996/ΦΕΚ Α'/29/28.2.96, article 4) to perform quality control inspections of Greek Public Projects that are co-financed by the European Union, were examined. The goals of this study are the synthesis of the technical specifications used internationally so that the reader would have all the required information related to the aforementioned project category, the formulation of the proper construction practices during the phases of execution and quality inspection and the evaluation as well as the comparison of the technical specifications under examination.

KEYWORDS

Port, Specifications, Quality