

C718402 : MAJOR COMPUTER SCIENCE

KEY WORD: SOFTWARE / ISO 9000 / ISO 9001 / SDLC / SOFTWARE QUALITY CONTROL / SOFTWARE

QUALITY ASSURANCE / SOFTWARE MAINTENANCE

TASSANEE UDOMKRITYACHAI : A Design of Guideline for Software Development

Quality Control Based on ISO 9000. THESIS ADVISOR : ASSOC. PROF. SOMCHAI

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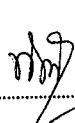
The purpose of this thesis was to design the software development quality control based on TIS/ISO 9000 which was all the same as ISO 9000. The author had studied documents concerning the standard of TIS/ISO 9000, collected information and interviewed key personnel at the Thai Industrial Standards Institute. After that the author studied the system development life cycle according to software engineering methodology from many sources. The author also collected documents and interviewed from 6 software companies. All informations documents and methodologies were analysed and designed the quality control for TIS/ISO 9000.

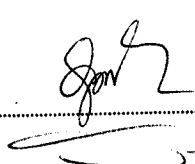
It was formed out that documents which were needed could be divided into 11 categories. The required documents for software development were 33 documents for main contractor and hiring other software development subcontractors or 61 documents for main contractor developed softwares by itself. It was also found out that some software companies from this studies were ready apply for TIS/ISO 9000 with some modifications. The author also suggested the process to prepare and apply for TIS/ISO 9000 system certification.

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