

4037563 EGTI/M : MAJOR: TECHNOLOGY OF INFORMATION SYSTEM
MANAGEMENT; M.Sc. (TECHNOLOGY OF INFORMATION
SYSTEM MANAGEMENT)

KEY WORDS : QUALITY SYSTEM /AUDIT / INFORMATION SYSTEM
DEVELOPMENT / INFORMATION SYSTEM / DATABASE

PAITON YOTEPUME: QUALITY SYSTEM AUDIT DATABASE.

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M.Sc., 54 p . ISBN 974-664-755-5

This research was conducted to determine current problems with corrective action request records in the Quality Department at AMD Thailand. The current procedure was analyzed and a new system was designed and developed to meet users' requirements. In conducting this research, the researcher dealt with background data collection in four categories: quality system, quality information and audit history, problem analysis of the existing procedure of data collection and the development of a feasibility study. Following a systems analysis, a data flow diagram was designed by the researcher whereby a systems process was presented in a sequence. In designing a new system, the researcher used the Graphic User Interface (GUI) for interface design and the relational database for database design. Also, Microsoft Access and Visual Basic were used for developing the application.

The results of this study suggest that a quality system database should have a network system (LAN) for providing quality system information from auditor to auditee so information can be prepared more effectively. This software application development can be further improved for initiating tripartite information comprising quality system, checklist information and requirement information of quality system. The information system can be further improved by a database system to which this software application may be applied.