

C117259 : MAJOR COMPUTER SCIENCE

KEY WORD: MIS / ROYAL THAI NAVY

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SYSTEM FOR NAVAL OPERATION. THESIS ADDVISOR : ASSO. PROF.**

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The purpose of this research is to develop the information system for the Royal Thai Navy's naval operations. The system is divided into four subsystems based on four different levels of users. They are inquiry, operational, management, and strategic levels. The system provides information about the readiness and performance of ships, weapons, communications and electronic warfare equipment.

Relational design technique was used to design the database. First, the existing data was analyzed to create a logical data model which was then normalized and translated into the relational database. Second, input, output, and processing designs were made. Finally, interactive processing was developed using FoxPro relational database management system on microcomputer.

The resulting information from the system will benefit the high ranking commanders of the Royal Thai Navy in managing and making decisions such as maritime search and rescue operations and resource planning.