

PUSADEE SERESANGTAKUL : A FINANCIAL DATA MODEL FOR NATIONAL
MANAGEMENT INFORMATION SYSTEM.

THESIS ADVISOR : CHARUMATR PINTHONG, 80 pp.

The purpose of this thesis is to design a financial data model for management information system which is used as a base for national management information system (NAMIS). The scope of this thesis covers financial management, treasury, and budgetary by using data from the Bureau of Budget, the Controller General Department, and the Bank of Thailand which are the important institutions for financial management in Thailand. Data about annual budget, revenue, expenditure and nonbudgetary, and national economic information are extracted from databases of the above institutions.

The concept of logical data modelling which is concerned about data and their relationship is used in designing logical data model of the Bureau of Budget, the Controller General Department, and the Bank of Thailand. Then the linkage between data models were added to become financial data model for national management information system and later converted into physical relational data model.

The results consist of logical data model, physical data model diagram and data dictionary which were developed on microcomputer using oracle database management system under UNIX operating system.