

Thesis Title The Development of Management Information Systems
for Provincial Administration : A Case Study of Chiang
Mai Province

Author Miss. Rawiwan Kumthongmak

M.P.A. Public Administration

Examining Committee :

Lecturer Dr. Mayuree	Anumanrajadhon	Chairman
Lecturer Dr. Preecha	Jengjalein	Member
Lecturer Dr. Panu	Sittiwong	Member
Lecturer Jantana	Suttijaree	Member

Abstract

The Objectives of this study were: 1) to study the concept of the the Ministry of Interior and provincial office in the application of Management Information System 2) to study the existing Information System and data requirement for provincial administration, including problems and development constraints; and 3) to study existing Information Technology status in order to outline an Information System Development Approach for provincial administration using Chiang Mai province as a case study.

The population of this study consists of 39 persons in 10 major government sector organizations and the provincial statistical office; the group includes 19 executives and 20 data operating officers.

Data collection was done by interview, questionnaire survey and observation. Data were analyzed by content analysis, descriptive statistics: frequencies, percentage and arithmetic mean.

The findings of this study were as follows:

1) The purpose of the Development of Management Information System of the Ministry of Interior and provincial office is to provide data or information for all executive levels. In addition, Chiang Mai Province focuses on system management to prepare analytical information for decision making, directing monitoring and evaluation.

2) The existing information and data requirement of provincial administration. Many organizations collected data with both documentary and computer systems. Most of the computer systems were developed by the central organization. The data collection purpose was to report operating performance and to make a plan. Provincial data structure was required to be used for planning; while some organizations collected data for operating procedures. The problems and constraints on Information System Development were as follows: a lack of budgets and communication equipment, difference of database sets, lack of knowledge and understanding of Information System among officers, discontinuity of data operating system because of personnel transfer and executives did not consider the importance and understand the Information system. Therefore, Information policy was not processed continuously.

3) An existing Information Technology status. In most of organizations, there were 2-3 personal computers and Word Processing was the program mostly used in organizations; moreover communication equipment and data communication plan were used in organizations.

The outline of Management Information Systems Development for Provincial Administration : A Case study of Chiang Mai Province was as follows:

1. The preliminary and feasibility studies should be consisted of
 - a. Determine information system requirements for provincial administration.
 - b. Indentify structured information systems.
 - c. Distribute function and responsibility of related organizations.
 - d. Make feasibility study of data and communication linkage.
 - e. Designate the committee of provincial information system development.
2. The development and application of the information systems alternatives:
 - a. Adjust an existing system in Data Monitor and Evaluation Department of Chiang Mai provincial office.
 - b. Develop new Information systems collaborated by outside firms, educational institutions and related organizations.
3. The personnel development increases their knowledge and understanding of information systems until they can use it with efficiency.
4. The provincial information systems policy should be specific and practical.
5. The operation procedure development should focus on efficiency and use technology according to its most value.