

ABSTRACT

The project presents the proposed aircraft maintenance networking system, whose operation is applied to Local Area Network (LAN) technology. It is designed to support among Aircraft Maintenance Operation Center and between each aircraft hangar in Flying Training School, RTAF.

The study started form gathering information from the existing aircraft maintenance processes that are manually operated. Then, the existing system is studied and analyzed. The study suggests that a computerized process should replace the manual operation. The analysis tools such as data flow diagram, logical record structure, and entity-relationship diagram, used to develop the behavioral model and data model.

The process in the existing system are manual, problems arise in many ways, for example, the information isn't update, retrieval of information is difficult and work is duplicated.

The proposed system is designed to solve the problem of the existing system and meet user requirements. The solution of the proposed system is effective communication and sharing of aircraft maintenance information among Aircraft Maintenance Operation Center and between each aircraft hangar.