

ABSTRACT

The Sri Lanka air force was established on 2nd of March 1951 as Royal Ceylon Air force it had a Mechanical Transport (MT) fleet consisting of two large heavy vehicles. Today, the SLAF has an inventory a total of 1676 mechanical transports in varied types and classes. The vehicle fleet of the SLAF has achieved over 80% of serviceability during the last five months of year 2007.

The Mechanical transport element in the air force performs a vital role on ground operations. It provides mobility for all activities performed on ground. Hence in order to support the air element, it is very much important to establish a reliable transport system with high serviceability rate.

Over the years, SLAF introduced many solutions to improve the availability and reliability of the vehicle fleet. Though some solutions were very successful some had to be modified to the changing requirement.

The SLAF was able to achieve a high availability rate of 80% over the last year mainly due to decentralisation of funds. However the aim of my research is to maximise the serviceability of MT in the SLAF in order to provide better service for all internal users.