DEVELOPMENT OF A PREDICTIVE MAINTENANCE MANAGEMENT PROGRAM FOR CRITICLA SECURITY SCREENING EQUIPMENT AT AIRPORT.

The case of kilinjaro international Airport.

By DAUD GEMBE DAUD, (2020).

Abstract

This dissertation serves as to assess the existing maintenance practice for Kilimanjaro international Airports Critical security screening equipment. KIA is today working with maintenance in a reactive manner, where events and failures choose the direction. This dissertation should serve as a bases for developing maintenance management program which will guide them towards a proactive maintenance environment. A number of different methods have been used in this dissertation, i.e., a literature study; document review, site measurements and a visit at maintenance department personnel and a questionnaire with 77 questions, whole intent is to review and score the maintenance organization within a company. The dissertation provides results showing that a highly reactive approach is used by the maintenance department. There is room for improvements in cooperation and communication between the maintenance department and operation department and this will contribute to a more preventive working environment. The predictive maintenance management model has been developed primarily from the factors the authors found to obstruct the maintenance department from achieving the desired state. Together with KIA expertise and experience within their own organization and the area of maintenance it is hoped that the model with function as a bridge when developing and improving the organization to reach the vision

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