A CRITICAL PATH ANALYSIS APPROACH FOR GROUNDHANDLING ACTIVITIES : A CASE STUDY OF AIRBUS PERFORMANCE AT KLIA

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ABSTRACT

An appreciable contribution to time saving and in particular to utilization of the aircraft depends on the activities carried out during the aircraft on transit/turnaround . Within the present available resource of labour, equipment and materials, the minimum time must be met in accordance to the assigned time specified.

However, under a set of constraint, the optimization is being made using the Critical Path Analysis method for the aircraft to achieve a more economical period of time on the ground.

A saving in time can be obtained for the aircraft when compared to the traditional path stretching and holding at a longer time on the ground.

From the study conducted, the aircraft transit/turnaround time can be reduced and this will maximise the aircraft utilisation and achieve ground time savings.

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