Airline Disruption Management (Concepts and Methodologies)

Air travel is nowadays one of the most frequent modes of transportation for business, leisure, and tourism. Airline operations are subject to many uncertainties and disruptions are very common in the airline industry, which greatly impact the expected operational performance. Consequently, any disruption results in significant increases to an airlines operational costs related to additional crew overtime and increased fuel usage. In the other word, each minute a flight is delayed can result in extra fuel, crew time, and aircraft maintenance, delayed flight also drive the need for extra gates and ground personnel and inflict costs on airline customers in the form of lost productivity, wages and goodwill. Airline Operations Control Center (AOC) in airlines is responsible for operational scheduling of flights. Safety assurance and flight efficiency in timetables are two objectives of these centers. In this paper we introduce a method of managing the delay in the airline industry and we compare the advantages and disadvantages of each of them

كلمات كليدي: Disruption Management, Delay, Airline Schedule.

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