

Optimization of Continuous Airworthiness problems

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Abstract

Recently aviation accident data shows that many fatal accidents in aviation are due to airworthiness issues despite the fact that all civil and private aircrafts are required to comply with the airworthiness standards set by their national airworthiness authority. The paper presents a unique approach to continuous airworthiness problems optimization needed to reduce the risk associated by the gap between aircraft designers & manufacturing organization and continuing airworthiness (state of civil aviation authority and air operators). As a result of the paper summaries these problems and searching of the possible solutions to optimized , these problems are achieved to get more integration between (designers& manufacturing and air operators), finally there is recommendations are drawn to address the safe operation of the aircraft and can be given to the International Civil Aviation Organization ICAO, Federal Aviation Administration (FAA) and European Aviation Safety Agency (EASA) and Civil Aviation Authority (CAA) for more integrate between them structure.

Keywords: Continuous airworthiness, Designers and Manufacturing problems, , Air operator problems