

The Expert Model for Safety Risks Assessment of Aviation Environmental Projects' Implementation Within the Investment Phase of the Project

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Abstract

The purpose of the paper is to present a comprehensive expert model created to obtain the quantitative safety risks assessment of environmental projects' implementation in the aviation sector, within the investment phase of the project life cycle. The successful implementation of aviation environmental projects depends also on the security risks of the projects, their implementation, and the team implementing them. The complex expert model will allow increasing the degree of validity of the decision on the security risks of project implementation in the aviation sector. On one hand, the developed model uses the quantitative estimates of the project on various indicators and it is based on different models, and on the other hand, it uses the experience, the knowledge and the expertise of the project, and the security experts in the subject area. The model is based on the neuro-fuzzy network. It enhances the accuracy and the objectivity of the project evaluation within the investment phase of the project life cycle. **Copyright © 2020 Praise Worthy Prize - All rights reserved.**

Keywords

Aviation Sector; Safety Risks Assessment; Projects; Implementation; Neuro-Fuzzy Network; Human Factor

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