

Assessing the Correlation between Environmental Awareness and Variability of Employees' Positions in Aviation and Aerospace Industries

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Abstract : This paper is part of a wider research project, on environmental management in aviation and aerospace industries. The core elements of this research are the level of knowledge, awareness, applicability of environmental management systems, according to employees' perspectives. This paper focuses at employees' level of environmental awareness. The main scope of this research is to evaluate the level of environmental awareness and the adoption of environmental management practices. The primary scope of the research is to define a method to quantify the key indicators that would improve the implementation of environmental management. The opinion of people employed in aviation industry is considered, based on the versatility of their working positions. Up to this stage, 330 respondents have participated globally in the current research. This study uses a questionnaire survey to gain an understanding of the views and attitudes of aerospace staff toward environmental management. The results are analyzed through a quantitative approach using SPSS. The statistical significance shows that the data could follow the same distribution as the distribution of the total population that the sample belongs. As of the above, the number of respondents constitutes a representative sample of the total population. A descriptive analysis is presented. According to the responses given in the survey, the data are analyzed according to the working positions and the characteristics of each position that all the respondents hold. The results demonstrate that the level of environmental awareness is immediately linked with the employees' positions. Managerial/post holder positions, as expected have, a higher level of environmental awareness. However, the level of applicability of environmental practices by the same group is considered low. The other working groups show variability in environmental awareness, which also depends on their operating task and the applicability or not of environmental practices. Flight operations and engineering/maintenance employees, that their tasks involve higher safety considerations, there are more reluctant in applying environmental practices in their positions. In the current paper an analysis of the data collection is presented, correlating them with the working positions and responsibilities of respondents.

Keywords : environmental awareness, environmental management, sustainability, sustainable aviation

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