Abstract

Risk Management in Selecting Supplier Process using ISO 31000 Guidelines and International Aerospace Quality Group (IAQG) Quality Procurement & Source Control Departement PT. Dirgantara Indonesia

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One of the activities that supports the main of production aircraft is the order material on the supplier. Certification, timeliness, quality, cost of the appropriate, as well as other risk factors should be a company' s attention in process of selecting supplier. In this case, delay the availability of material provided supplier is currently make risk management structured need to be applied in order to suit on the acting related decision making in choosing suppliers.

Conformity risk management methods in the supplier selection required in minimize risk of the delay in order to the achievement of the purpose(timely production). ISO 31000 and IAQG used to focus on the aircraft industry to study the instructions risk management and tools. This study based on the framework modeling and analysis method of the determination of the context of risk, risk identification, risk analysis and risk evaluation in choosing suppliers for material procurement aircraft.

Risk management methods in the supplier selection has stages of determining the context of using the stakeholders analysis. Risk identification using theRisk Breakdown Structure and Turtle diagrammethod.Risk analysis using the semi quantitative.Risk evaluation using the semi qualitative due to consider the impact and the possibility that is done through assessment and weighting the expertjudgment, but add up the points risk factors using quantitative methods.

The results showed that there supplier selected are supplier AXX AXX UXX. The process supplier selection according to record performance 26 sample quality aspects have 3,5% risk impact, completeness of documents have 3,08% risk impact, and delays have 69,67% risk impact. The identification risk company can use the method Risk Breakdown Structure and sort of risk adjusted to the responsibility and the authority on the organizational structure of the company.

Keywords: *Risk Management, Risk Breakdown Structure, Turtle Diagram.*