Abstract

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Identifying and Ranking Risk Factors for Supply Chain Resilience Decision Support in FMCG Industry: The Case of Middle East Region

Academics and industry leaders have seen the need to supplement traditional risk management techniques with the concept of resilience that is better designed to cope with extreme complexities, unpredictable events and adaptive threats. However, supply chain resilience is still a more theoretical concept than everyday practice in supply chain management. This paper is concerned with supply chain resilience in the fast moving consumer goods industry. The focus of the work is the development of a structured risk identification and evaluation approach that can offer support to assist supply chain managers in taking proactive decisions to prevent risks prior occurrence. The research takes a practice-based perspective by using a case from real industrial supply chain context in Middle East Region. An exploratory approach has been adopted to identify potential risk factors and causes of risks. Interviews were conducted in order to be able to generate significant themes types of risks and their sources. Failure Mode and Event Analysis method was used for analyzing potential risks and to assess what might go wrong. The structured risk identification and evaluation approach aims to provide distinctive value for all supply network stakeholders. Furthermore, it helps in guiding decision makers throughout the supply chain decision making process, achieving more informed decisions so that proactive measures can be taken to prevent and handle potential risks. By doing so, ultimately disruptions to supply chains can be minimized and the resilience of supply chains can be improved.

Keywords: Supply Chain Risk Management, Disruptions, Resilience, Structured Approach, Risk Identification and Evaluation.