

# Enhancing Supply Chain Resilience through Risk Information Sharing: A Triadic Perspective

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## Abstract

The main objective of this study is to present a triadic perspective to supply chain risk information sharing in order to increase SC resilience and reduce SC disruption. This study argues that conventional SC relationships which involves a dyadic relationship between two firms in a collaborative or “arm’s length” relationship is mostly restricted to demand related information sharing. As a result, this study proposes a triadic approach to SC risk information sharing between a frontline firm and both its direct partner, and other members of the supply chain (who might also be affect by the risk event). This study uses a Delphi approach to provide acceptable degree of validation of the conceptual model developed. The study starts with an integrative literature review since SC risk information sharing has not been well explored, and thus, it provides an appropriate avenue to review, critique, and synthesise the literature. In the second stage, a Delphi approach - to seek expert’s knowledge - is applied to validate the conceptual model developed in the study. The overall contribution is identification and suggestion of a new way of preparing against SC disruption by promoting sharing SC risk information beyond direct partners. Instead, a triadic approach of sharing SC risk information between SC partners and other SC members. Further, this study extends the literature on SC risk information sharing which haven’t received much attention as compared to SC collaboration and demand information sharing. This study thus leverages existing knowledge from other disciplines and promotes the understanding of the concept of SC risk information sharing from a triadic perspective. Also, this study creates awareness for firms to establish risk information sharing channel with SC members to build a more resilient supply chain and reduce SC disruption. The implication for future research advocate for testing the proposed model empirically.

**Keywords:** Risk Information Sharing, Supply Chain Resilience, Supply chain relationships, Supply chain risk

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