

Handbook of Research on Industrial Applications for Improved Supply Chain Performance

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Chapter 8

The Role of Information Sharing in the Supply Chain From Maquiladoras in Northern Mexico

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ABSTRACT

In this chapter a structural equation model is presented to quantify the effect of four independent variables: Information sharing, Collaboration with suppliers, Employee performance, and Supply chain performance, which are related through six hypotheses and validated with the partial least square technique in the WarpPls 6.0 software. The model is validated with data from 254 surveys obtained in the manufacturing industry in Mexico. Similarly, a sensitivity analysis is reported for each of the proposed hypotheses. The results indicate that the most relevant variable in the supply chain performance is the appropriate employee performance.

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