**Supply chain reliability analysis and performance measurements**

**Yuliya Artsiomchyk**

**Helena Zhivitskaya**

Belarusian State University of Informatics and Radioelectronics, Minsk, Republic of Belarus

**Abstract:** One of the crutical issues to get competitive excellence for companies is perfect supply chain performance. The aim of this paper accents on the necessity of the supply chain management and develops a common performance measurements to evaluate the unique nature of the supply chain process. This paper provide models for a better supply chains effectiveness by designing robust and reliable supply chain. In other words, the system perform well under uncertainties in the data or when parts of the system fail.

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