

**An Empirical Analysis of Warehouse Measurement Systems in
the Context of Supply Chain
Implementation
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Dr. Robert A. Novack
Major Allen Kiefer
Smeal College of Business Administration

Center for Supply Chain Research
The Smeal College of Business Administration
The Pennsylvania State University
409 Business Administration Building
University Park, PA 16802
(814) 865-0585

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An Abstract

Major Allen W. Kiefer

United States Army
M.S., Business Logistics
Penn State University

Robert A. Novack

Associate Professor of Business Logistics
Penn State University

Center for Supply Chain Research

The Mary Jean and Frank P. Smeal
College of Business Administration

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Warehouse Performance and Supply Chain Management: Current Practices in the use of Performance Measures

RESEARCH PURPOSE

This research is exploratory. It attempts to evaluate the extent of SCM implementation among firms which operate, own, and/or use warehouses in their logistics and supply chain processes. It will also determine the most widely used performance measures in warehouse operations and whether the executives in these firms believe their performance measures are effective. Warehouses are used as the point of study for two reasons. First, warehouses play a critical intermediate role between supply chain members, affecting both supply chain costs and service. Second, a very specific membership list of executives who own and/or use warehouses was available from the Warehousing Education and Research Council.

RESEARCH QUESTIONS AND HYPOTHESES

A critical aspect of this research was the requirement for segregating respondent firms into those that have implemented a supply chain strategy and those that have not. The survey instrument asked the respondents to indicate on a scale of zero to seven the level of implementation of supply chain management within their firms. A zero response meant implementation was not planned; responses of one through seven indicated that implementation of supply chain management was planned, in progress, or fully implemented, respectively. The respondent base was then divided into those that were not planning to implement supply chain management and those that were. This resulted in two distinct groups of respondents on which the analyses are based. The non-implementing group will be referred to as Level 0 and the implementing group will be referred to as Level 4 for the remainder of this abstract.

This research will address three research questions:

RQ1: What is the level of supply chain management implementation for the firms in the respondent base?

RQ2: What are the most popular types of warehouse measurements for Level 0 and Level 4 firms?

RQ3: How effective are current warehouse measurements