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**UNDERSTANDING THE IMPACT OF MANDATED RFID
COMPLIANCE ON THE DOD SUPPLY BASE**

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by

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Understanding the Impact of Mandated RFID Compliance on the DoD Supply Base

Presenter: Kenneth J. Petersen, is Assistant Professor of Supply Chain Management at the W.P. Carey School of Business at Arizona State University. He received his PhD from Michigan State University in Operations/Sourcing Management and Information Systems, an MBA in Management from The University of Akron and a BS in Finance and Economics from The University of Alabama. Dr. Petersen has published in the *Journal of Supply Chain Management*, *Journal of Product Innovation Management*, *Decision Sciences Journal*, *Journal of Operations Management*, *California Management Review* *Transportation Research: Part E* and the *Journal of Business Research*. Dr. Petersen's professional experience is in supply and logistics as an officer in the United States Navy Supply Corps.

Presenter: Mark A. Barratt, has over ten years experience in service operations and has been lecturing on logistics and supply-chain management for the last ten years at both undergraduate and postgraduate levels. He has extensive business experience encompassing law and supply-chain management. He received his PhD in Supply-Chain Management from Cranfield School of Management, Cranfield Univeristy. His PhD research focused on supply-chain relationships and information exchange and won an Economic and Sociological Research Council (ESRC) doctoral dissertation award. His research has been published in a number of leading journals. He is currently exploring how organizations develop and extend collaboration through information sharing across the supply chain. He is also interested in visibility in the supply chain, collaborative cultures, and the use of RFID in supply chains.

Abstract

In response to the Department of Defense's (DoD) mandate that all of its suppliers should adopt Radio Frequency Identification Devices (RFID), this research seeks to understand the impact of the mandate on the DoD supply-base. Specifically, the goals of the research are to understand: (1) the compliance strategies for RFID in defense supply chains with mandated compliance, (2) the adoption factors, timeframes, and costs of such RFID implementation, and (3) the impact on purchasing, logistics, supply-chain continuity, and supply-chain relationships. To achieve these goals, two stages of data collection are currently underway: (1) several case studies are being developed and (2) an industry-based survey is being developed. In support of the case studies, multiple interviews are being conducted together with detailed process mapping. This approach facilitates the identification of enablers, timeframes, barriers, benefits, costs, impacts, organization, best practices, projects, etc. The industry survey will provide the opportunity to test the conclusions and findings from the case studies as well as to identify industry trends and directions. Currently, the early indications of the research reveal that, although DoD suppliers have developed an initial "slap and ship" capability, they are still some distance from having a robust enough capability to meet compliance for significant volumes of product order. Their development of a longer-term sustainable capability is being hampered by the immaturity of available technology and the lack of clarity in the detailed requirements from the DoD.



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