

# RFID in the Supply Chain

By Pedro M. Reyes

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**RFID in the Supply Chain** By Pedro M. Reyes

## A PRACTICAL GUIDE TO IMPROVING SUPPLY CHAIN OPERATIONS WITH RFID

Written by the Director of the Center for Excellence in Supply Chain Management at Baylor University, *RFID in the Supply Chain* offers expert insight to help you decide whether, when, and how to use RFID technology to improve supply chain management processes.

This informative volume provides a technological overview of RFID and explains the three architecture layers of the Electronic Product Code (EPC) global standards: identify, capture, and exchange. Building consensus for RFID adoption as well as security and privacy concerns are discussed. Real-world case studies illustrate the broad range of RFID applications across industries. A summary of RFID benefits and a look ahead at future implementations conclude this detailed resource.

Coverage includes:

- Technical overview of RFID technology basics and systems components
- Advantages and limitations of RFID
- EPC global industry standards
- Operational, technical, and financial challenges in designing RFID applications
- RFID security and privacy concerns and solutions
- Business analytics and building the business case for RFID implementation
- Improved supply chain visibility
- Improved asset visibility and capital goods tracking
- Work-in-progress tracking--managing internal supply chains
- Library management systems
- Returnable asset tracking

**Features 32 case studies of successful RFID implementation at:**

Gillette \* Charles Vogele Group \* Intermountain Healthcare \* Walter Reed Army Medical Center \* AeroScout \* Erlangen University Hospital (Germany) \* Royal Phillips Electronics \* Pro-X Pharmaceuticals \* Endware Defense Systems \* National Library Board Singapore \* Belgian University Library \* Rewe Group

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### About the Author

**Pedro M. Reyes, Ph.D.**, is an Associate Professor in the Hankamer School of Business, Director of the Center for Excellence in Supply Chain Management, and Lawrence Schkade Fellow, Baylor University. His research has been published in several journals, including *International Journal of Integrated Supply Management*, *International Journal of Operations & Production Management*, and *International Journal of Data Analysis and Information Systems*. Dr. Reyes holds an annual symposium on RFID at Baylor University. Prior to his academia career, he worked in operations management for more than 20 years.

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