

# RFID and Building a Secure Supply Chain

Teaneck, NJ  
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## Vendor Compliance Federation

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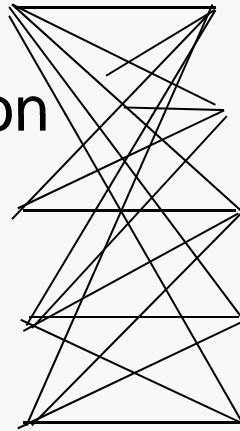
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# The Key Question

## Security Concerns

- Explosive device
- Biological contamination
- Counterfeiting
- Nuclear weapon
- Dirty bomb



## RFID Benefits

- Compliance
- Inventory accuracy
- Shipment tracking
- Traceability
- Sensory information

**How Can RFID Make My Supply Chain More Secure?**

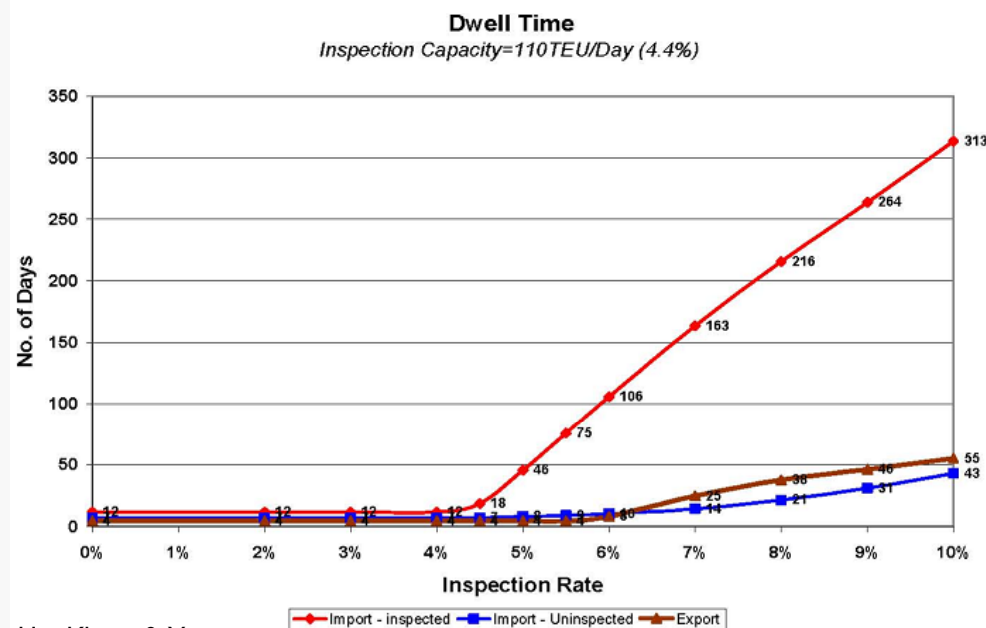
## A Daunting Challenge

- ❑ 108 million cargo containers moving worldwide
- ❑ 10 million maritime containers arrive at United States seaports annually (26,000 per day)
- ❑ 90 percent of manufactured goods move by container
- ❑ 95% of inbound cargo is waterborne
- ❑ 90% of waterborne trade is containerized
- ❑ 361 public ports

Source: CSI FactSheet, Hu, Khan, & Young

# The Old Way Won't Work Anymore

- ❑ 2% inspection, 7-day dwell
- ❑ 5% inspection could increase dwell time to 300 days if mis-managed



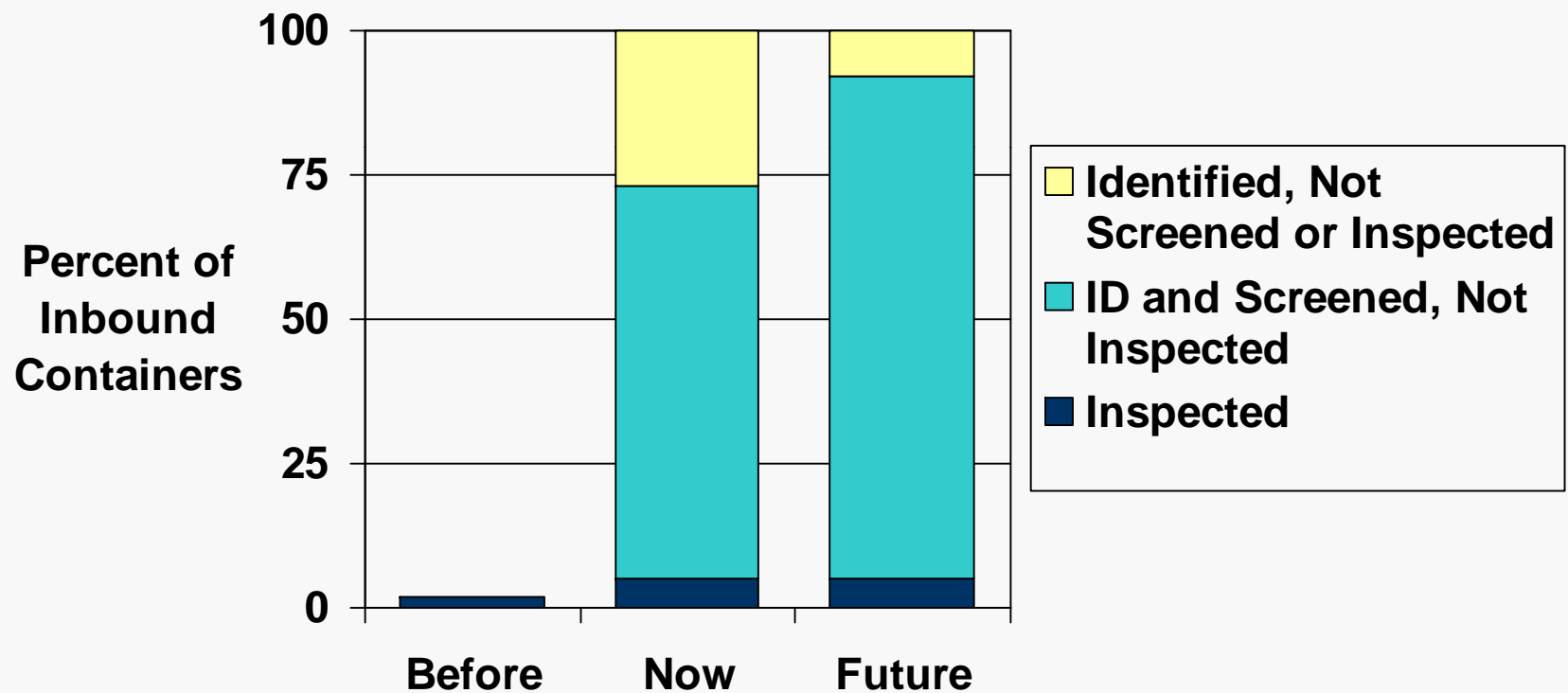
Source: Hu, Khan, & Young

## Key Programs

- C-TPAT (Customs/Trade Partnership Against Terrorism)
- CSI (Container Security Initiative)
- ACD (24-Hour Advance Cargo Declaration)
- Other notable programs
  - **SST (Smart and Secure Tradelanes)**
  - **OSC (Operation Safe Commerce)**

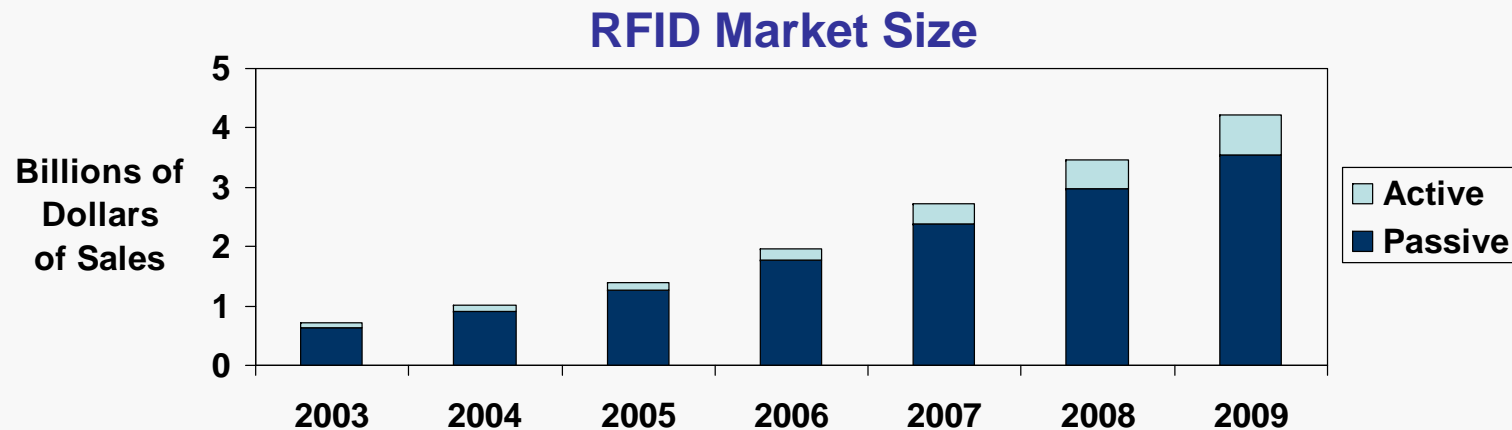
# The Key: Leveraging Information

## Treatment of Incoming Containers



# Past the Tipping Point

- ❑ New mandaters
- ❑ Compliance assumed a “cost of doing business”



Source: Boston Logistics Group, Inc.  
Note: Excludes consulting services

## Part of a Total Security Process

- Articulate objectives
  - **Prevention vs. recovery**
  - **Theft vs. counterfeiting vs. explosive device**
- Document processes & best practices
- Implement technologies
  - **Container scanning**
  - **Data improvement and filtering**
  - **Data security**
  - **RFID**



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