

Best Practice: Automated Cargo Tracking System



Category:	Access Control
Location:	Europe Container Terminals (ECT) Delta Terminal – Port of Rotterdam, Netherlands
Date Observed:	November 28, 2006
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Description: ETC Delta Terminal operates an automated cargo tracking system designed to track container and truck operator movements within the terminal.

Discussion: Before entering the terminal, truck operators must provide identification and cargo shipping papers for verification in the terminal's Administration Building located outside the restricted area, in order to obtain an electronic tracking card. Truck operators park their vehicles at a designated staging area before entering the Administration Building. Truck operators scan their electronic tracking card at designated locations along their route to pick up or deliver cargo containers, then depart the terminal. Fixed radiation detectors also scan cargo containers along the truck route. Security personnel monitor truck operator movements using this system.

Potential Down-side: Temporary power loss at the terminal could cause delays in cargo movement. Secondary power is supplied to the terminal.

Conclusion: The automated cargo tracking system provides an effective and efficient means to track millions of cargo containers that pass through the terminal each year.

Cost: Costs associated with installing and implementing the automated cargo tracking system.