

IV HEMISPHERIC CONFERENCE ON
COMPETITIVENESS, INNOVATION
AND LOGISTICS:
TECHNOLOGY AT THE SERVICE OF THE VALUE
CHAIN

Latin American Meeting of the
International Association of Ports
and Harbors

Port Security for Greater Efficiency

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3 APRIL 2019



“Port security is an essential part of the safe, secure, and competitive operation of the maritime transportation system. It promotes the development of commerce and is an essential element in maritime trade competitiveness, which cannot be achieved merely by modernizing port infrastructure and increasing operating productivity.”

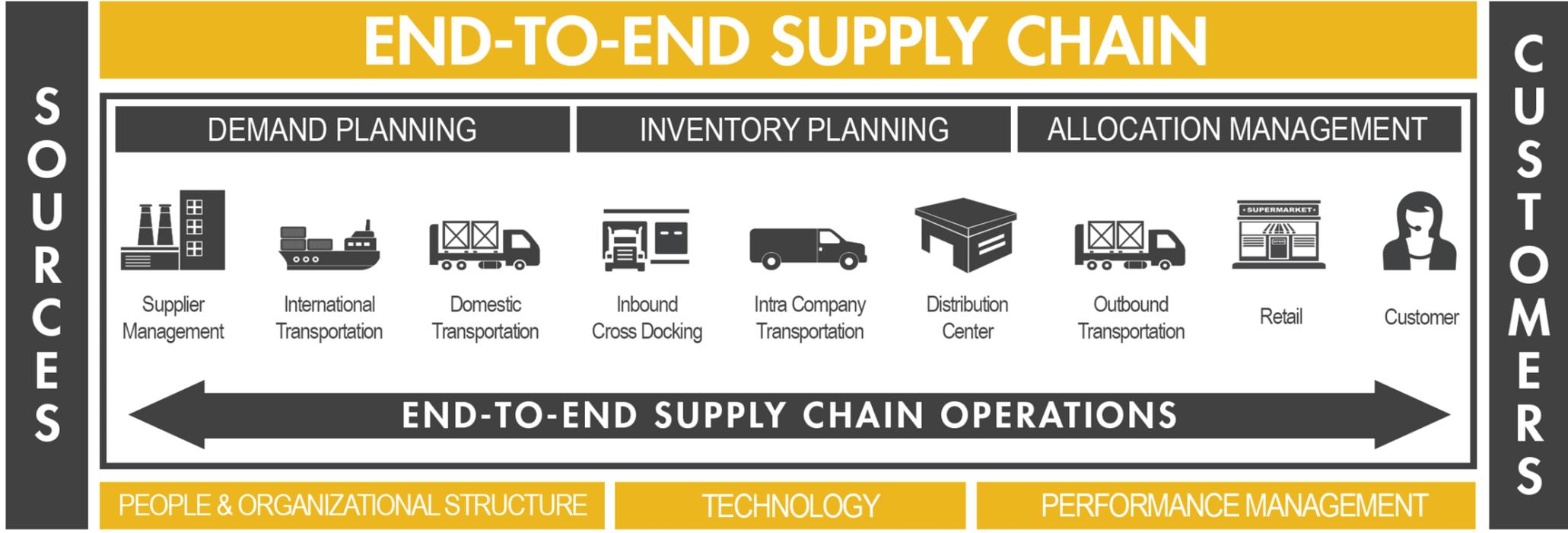
Port Security: A National Planning Guide
U. S. Department of Transportation 1997

No security system can completely eliminate the risks, but “good security measures can:

- a. make attempts to disrupt more difficult, increase the perpetrators’ likelihood of being detected and identified,
- b. keep casualties and disruptions to a minimum,
- c. reduce panic,
- d. improve responses and
- e. reassure alarmed port users.



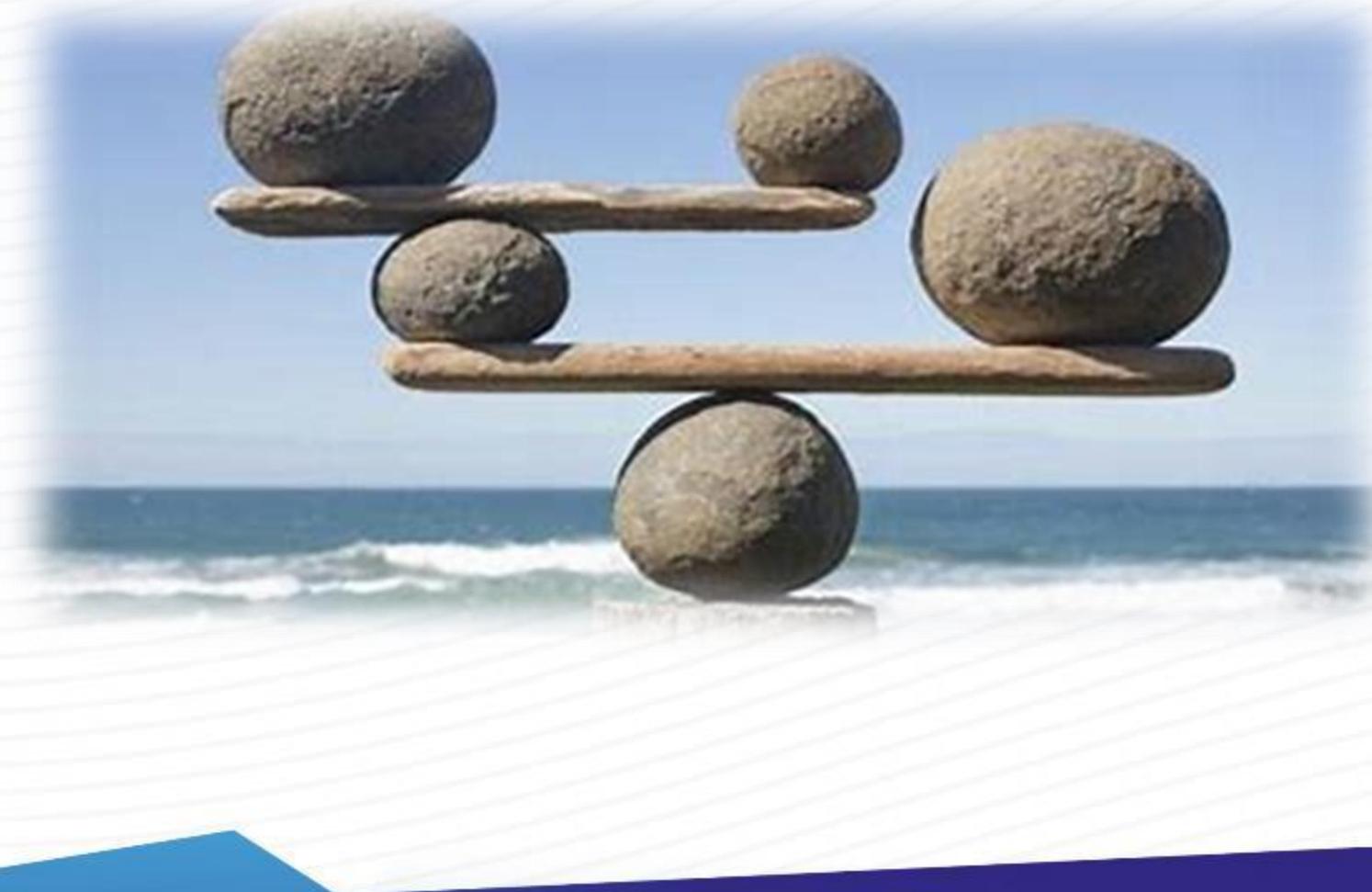
The Supply Chain



Protecting the Supply Chain



- Maintenance of port resiliency and operations within a trade environment with reasonably high assurance of being unencumbered by criminal activity, and without becoming a conduit for such activity;
- Ensure safety and security of employees and port users and all stakeholders inclusive of cruise and cargo customers and service providers;
- Use of adequate preventative measures to mitigate against threats affecting ships, port facility and Barbados;
- Maintaining seamless operations before and after any incident, and
- Continued awareness of current and likely future threats.



The Balance

A careful balance is required, not only to minimize to the Supply Chain, but also between standardization and variation in security practices. Variation in security methods could be a positive because it fosters creativity and best practices.



Port Security is:

- Multi-disciplinary;
- Requires Command and control;
- Pre-ordained;
- Unified;
- Transformational;
- Innovative, and
- Resilient.



How?

Leveraging Technology

- Improved Processes
- Improved systems
- Information sharing
- Collaboration & Integration
- Control & Communication
- Training
- Background checks



Process-based Improvements

Visible to port users and provides a sense of security and a deterrent to potential criminals and terrorists. K9 deployment at cargo sheds provide a deterrent presence and detection capabilities, and introduce an element of unpredictability.

Training

Focused on prevention and detection to include behavior recognition training such as involuntary physical and physiological reactions that people exhibit in response to a fear of being discovered.

Establishing and sustaining effective, comprehensive security training is costly. This is evident given the need to backfill frontline positions and provide overtime pay for actual training.



Crime Prevention Through Environmental Design (CPTED).

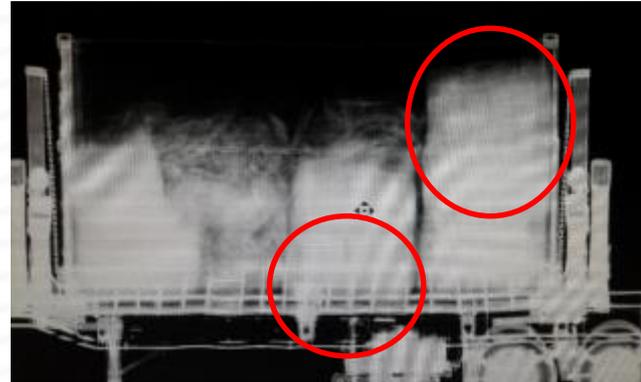
It is more feasible to incorporate these into new buildings than retrofit them. Features include increasing visibility for onboard staff and cameras, reducing the areas where someone could hide an explosive device, and enhancing emergency exits, use of clear and bomb-resistant trash bins.

Background checks and access control

Requires employees to swipe an access card. Access control is integrated with background checks for service providers and port users. TSA's Transportation Worker Identification Credential (TWIC) program is very applicable for persons working in the maritime industry.



Screening techniques which strike a balance between security and efficiency such as random selection which provides an increased level of security with minimal operational delays (but delays increase with the number of screens).



Technology and intelligence can be used to narrow down who or what to screen. For example, smart cameras could identify a passenger as a potential threat that could then be pulled aside and screened. A container can be selected for screening based on certain preset criteria.



“Efficient and effective security is vital”

“The ISPS Code requires that reasonable flows of passengers and cargo are maintained”

“Security cannot inhibit commerce”

“Security should never be compromised”

“Is the Port secure”

This philosophy...will dictate our decisions and actions within our borders”



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