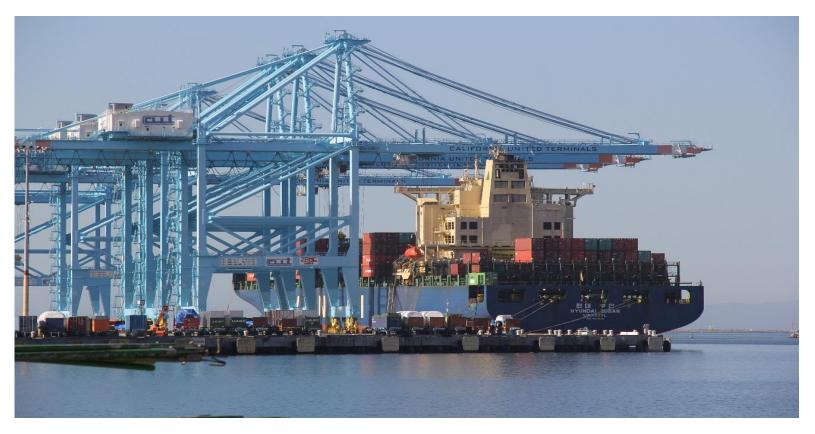# Advanced Development for Security Applications Workshop

LaFonda D. Sutton-Burke
Los Angeles / Long Beach Seaport
Port Director
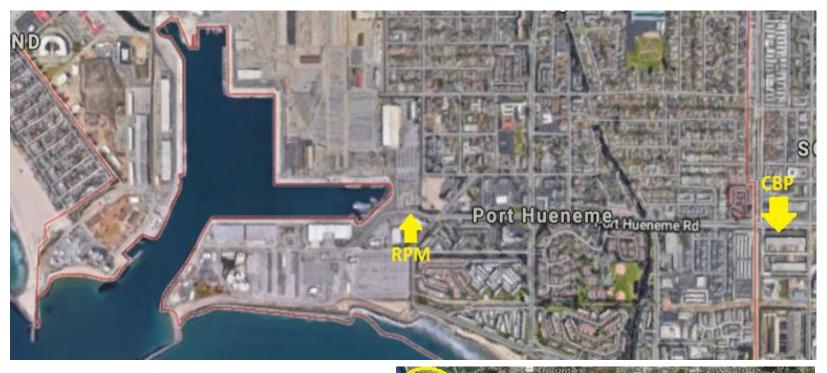LaFonda.D.Sutton-Burke@CBP.DHS.GOV

The Port of Los Angeles / Long Beach

Port Hueneme

Challenges

- Screen cargo and conveyances for potential threats/contraband while maintaining safe distance

- Screen and test potentially hazardous materials without time consuming training and equipment

- Inspect Outbound cargo with incomplete or unavailable manifest data

- Positively ID large volume of passengers quickly

- Remotely monitor and maintain positive control of detained crewman

U.S. Customs and
Border Protection

Challenges

- ID radiation in hard to reach locations

- Capture container numbers with 100% accuracy

- Simultaneously screen and ID for radiation

- Quickly access trade data to ID emerging trends

- Track multiple Inbond shipments through the U.S.

- Algorithms for NII machine learning/pattern recognition

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Technology Recommendations:

- Commercial Air Drones

- Commercial Underwater Drones

- Portable Explosive Detection Swipe Test System

- Climbing and Safety Equipment

- EOD Suits/Shields

- Mobile:
  - Trade Apps
  - Trade Document Check Apps
  - Admissibility Apps
  - Immigration Document Checks
  - Pest Identification

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Technology Recommendations:

- Handheld Thermal Imaging for Pest Detection on Vessels

- Infrared Imaging for Pest Detection inside seeds and fruits

- Geospatial Technology Integration w/CBP Targeting Systems

- Automated, Anomaly Detection and Open Architecture NII Technology

- Command Center that Integrates Technology, Communications and Visualization of all Terminals

- Digital Multi-band Radios

U.S. Customs and Border Protection

Advance Information/Intelligence:

- Real-time Integrated Plant Health Support from USDA

- Access to State Agriculture Pest Detection (Trapping and Visual Survey) Systems

- Access to Data Visualizations/Queries managed by Foreign Agriculture Agencies

- Access to Risk and Pathway Analysis

- Automated data collection, management and analysis

Advance Information/Intelligence:

- Mapping:
  - Host Risk
  - Climate Risk
  - Pathway Risk

- Just-in-Time Trade Dashboard

- Mobile Automated Database of known explosive markers

U.S. Customs and Border Protection

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