

“Smart-Box” Container Security Device (CSD)



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Border Protection

CBP Mission Goals

- Explore technological options to enhance container security
- Would act as “force multiplier” to layered security
- Incorporate into existing programs
- Would allow for the expedited movement of legitimate containerized cargo



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CBP Smart Box...Goals

- **Monitor the physical integrity of the container doors and indicate an integrity breach**
- **Determine the presence of illicit cargo, including Weapons of Mass Destruction, inside the container**
- **Report container compromises automatically**



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Container Security Device Capabilities

- Detects door opening and closing
- Registers an alarm if container door is opened when armed
- Logs Activity
 - Door opening and closing,
 - Arming / Disarming / Interrogation
 - Alarms
- Also capable of storing Bill of Lading, Seal ID and Container ID data



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“Smart-Box” Container Security Device (CSD)

- Affixed to the container with a magnet
- Easily affixed and removed – no tools



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CBP Smart Box...

Objectives of test:

- Evaluate the logistical and operational aspects of program
- Collect and analyze data related to the technology
- Data will be used to develop container security standards
- JHU/APL are assisting in the collection and analysis of relevant performance data



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Additional Technologies

- CBP has taken delivery of ten devices
- S & T conducting bench testing and lab analysis
- Contingent upon test results, field evaluation
- Promotes competition and provides additional options



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