



DHS SCIENCE AND TECHNOLOGY

Support for Operations between Ports of Entry



**Homeland
Security**

Science and Technology

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On a Typical Day

CBP AMO & USBP Conducts Operations in:

- 106 countries with more than 697 CBP employees working internationally
- 131 Border Patrol stations within 20 sectors, with 36 permanent checkpoints
- 74 Air and Marine Operations locations, including branches and units, National Air Security Operations Centers, and the Air and Marine Operations Center



U.S. Customs and
Border Protection

CBP101

S&T Research Themes

▪ Unmanned Systems

- UAS Beyond Visual Line of Sight
- Fully Autonomous Patrol (Air/Surface/Subsurface)
- Countering UAS
- Remote ID & Commercial UAS

▪ Domain Awareness

- AI/ML at the Sensor or Platform
- Advanced Data Analytics
- Agent Situational Awareness
- Remote ID & Commercial UAS

▪ Agent Safety and Security

- Vehicle Bio-Security & Isolation
- Advanced Non-Lethal Systems

▪ Next Generation Communications Protocols

- 7G?



Contacting DHS S&T

Long Range Broad Agency Announcement (LRBAA)

Link: [S&T LRBAA | Homeland Security \(dhs.gov\)](#)

Email: LRBAA.admin@hq.dhs.gov

Small Business Innovation Research Program (SBIR)

Link: [SBIR | Homeland Security \(dhs.gov\)](#)

Email: stsbir.program@hq.dhs.gov

Silicon Valley Innovation Programs (SVIP)

Link: [SVIP | Homeland Security \(dhs.gov\)](#)

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Working with S&T

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