

Department of Homeland Security SBIR Release 12/19/18

Science & Technology Directorate

Research Topics

7.1 S&T Directorate Topic

The following are the topics for the FY19.1 S&T Directorate's SBIR Program:

H-SB019.1-001 - Reach-Back Capability for Fielded Rapid DNA Systems

H-SB019.1-002 - ICAM On-the-Fly

H-SB019.1-003 - On Body Power Module for First Responders

H-SB019.1-004 – Modelling-based Design of Sensors for Chemical Detection in Complex Environment

H-SB019.1-005 - Synthetic Training Data for Explosive Detection Machine Learning Algorithms

H-SB019.1-006 - Cybersecurity Peer-to-Peer Knowledge/Lessons Learned Tool

H-SB019.1-007 - Network Modeling for Risk Assessment

H-SB019.1-008 - Blockchain Applications for Homeland Security Forensic Analytics

H-SB019.1-009 - Medical Device Middleware

Specific details for each topic are included in Appendix A.

7.2 CWMD Office Topics

The following are the topics for the FY19.1 CWMD SBIR Program:

H-SB019.1-010 - Detector Integration with Current and Emerging Networked Systems

H-SB019.1-011 - Unmanned Aerial System Autonomous Search of Limited Area for Radiological Threats

Specific details for each topic are included in Appendix A.

<https://www.fbo.gov/utills/view?id=bb729464ad6ad8ef5c51fc4845ed57b9>