



2013 IAB R&D PRIORITY LIST

This R&D survey was vetted through the IAB membership. The research and development items were assessed based on the following criteria: urgent need, life safety, mission performance, incident management, compatibility or interoperability, use by multiple responder disciplines, and use in day-to-day operations as well as major incidents.

To learn more about the IAB and the surveys, please visit www.iab.gov.

1. ENHANCE COMMUNICATIONS IN ENVIRONMENTS THAT INTERFERE WITH RADIO TRANSMISSIONS
2. 3-D TRACKING OF PERSONNEL
3. HANDHELD STANDOFF CHEMICAL AND EXPLOSIVE IDENTIFIER
4. NOISE-FILTERING DIGITAL SPEAKER/MICROPHONE FOR SCBA FACEPIECE
5. HANDS-FREE RADIO INTERCOM
6. FIELD DETECTION/ANALYSIS DEVICES FOR FIRE GASES & PARTICULATES
7. VEHICLE-BORNE IMPROVISED EXPLOSIVE DEVICE (VBIED) RENDER SAFE TOOL
8. DEVELOP MODEL PROCEDURES AND/OR LESSONS LEARNED FROM FIRST RESPONDERS TO ATYPICAL EMERGENCIES
9. SMART RESPONSE VEHICLES
10. PUBLIC SAFETY SECURE VOICE COMMUNICATIONS
11. NATIONAL VIRTUAL COMMAND AND CONTROL INTERFACE TOOL
12. COMPREHENSIVE NATIONAL LIBRARY THAT TRACKS FIRST RESPONDER R&D PROJECTS
13. PROACTIVE TRAINING RESOURCE (PTR) INITIATIVE
14. NATIONAL PATIENT TRACKING SYSTEM
15. CONOPS ANALYSIS FOR ROBOTIC APPLICATIONS WITHIN THE FIRE SERVICE
16. MODELING, SIMULATION, & SIMULATOR SOFTWARE EVALUATION TOOL
17. INCIDENT STRESS MANAGEMENT SYSTEM
18. FIRST RESPONDER APPLICATION STORE
19. FIRE RESOURCE DEPLOYMENT MODELING TOOL
20. IMPROVED GOOD SAMARITAN LAW AT FEDERAL LEVEL AND RELATED PSAS