

U.S. Department of Justice
Wireless Interoperability
Conference



National Institute of Justice

2 May 2005

CommTech

CommTech Overview

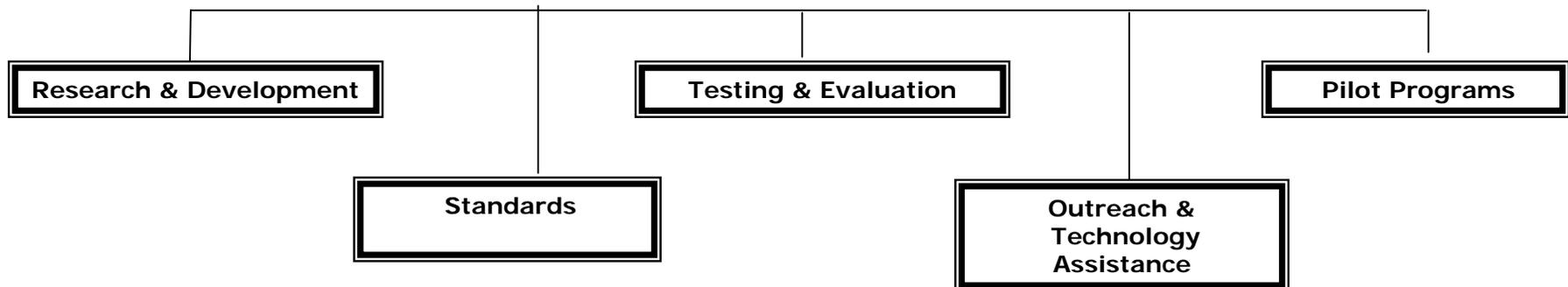
- CommTech Areas of Focus
- Solicitation Process
- CommTech Technical Working Group



CommTech

CommTech Overview

Mission: To assist state and local public safety agencies to effectively and efficiently communicate with one another across agency and jurisdictional boundaries.



Research and Development Impacts

Goal: Research and development of emerging technologies required for interoperable communications

- Software Defined Radio
- Cognitive Radio
- Voice over IP
- Advanced Wireless Data

Test & Evaluation Impacts

Goal: Test and evaluate technology platforms to provide unbiased information to the public safety community

- Conduct functional review
- Perform technical evaluation/testing
- Perform operational evaluation/testing
- Publish T&E reports on products and operational test results

Pilot Programs

Goal: Provide a demonstration of cutting edge technologies in an operational environment to the Law Enforcement community

- Metropolitan Interoperable Radio Systems (MIRS)
- Capital Wireless Integrated Network (CAPWIN)
- Syracuse PD Wireless Data
- Radio Interoperability for Integrated Border Enforcement Teams (IBETs)

Standards Impacts

Goal: To assist the development of standards that improves technology availability, cost, reliability & Interoperability

- P25
- Voice over IP
- Software Defined & Cognitive Radio
- Mesa – Digital Mobile Broadband

Outreach & Tech Assistance Impacts

Goal: Provide unbiased information to the public safety community on communication technology related issues

- Fund the CAPRAD system
- Support to first tactical operations
- Outreach
 - Conferences
 - Publications
 - Executive Technology Briefs



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CommTech Technical Working Group

- Practitioner Driven
- Meeting 14-15 April 2005
- Input to LECTAC

Solicitation Process

- Concept Papers
- Invitations for full proposals
- Solicitation panels
- Brief senior management
- Grant selection

Conclusion

- Technical assistance experience in working w/ many different types of LE agency
- Continued outreach to all sizes of agencies and departments
- Technical capabilities of the NLECTC system
 - Air Force Research Lab, Rome, NY
 - Aerospace Corporation
 - University of Denver
- Tight coupling to issues related to information sharing and Global Justice XML

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