



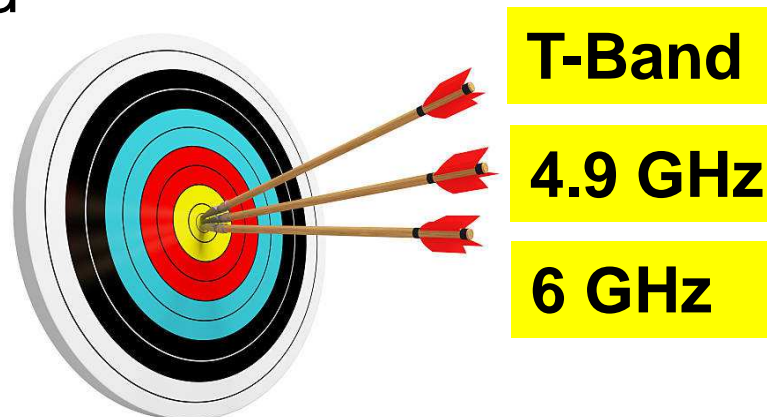
IACP Communications & Technology Committee Update | October 7, 2018 Orlando, FL

Stu Overby
NPSTC Support Office
IACP C&T Member
Stu.overby@comcast.net

The member organizations of the National Public Safety Telecommunications Council are grateful to the Department of Homeland Security's Science and Technology Directorate, Office for Interoperability and Compatibility (OIC) and the National Protection and Programs Directorate, Office of Emergency Communications (OEC) Points of view or opinions expressed are those of the originators and do not necessarily represent the official position or policies of the U.S. Department of Homeland Security.

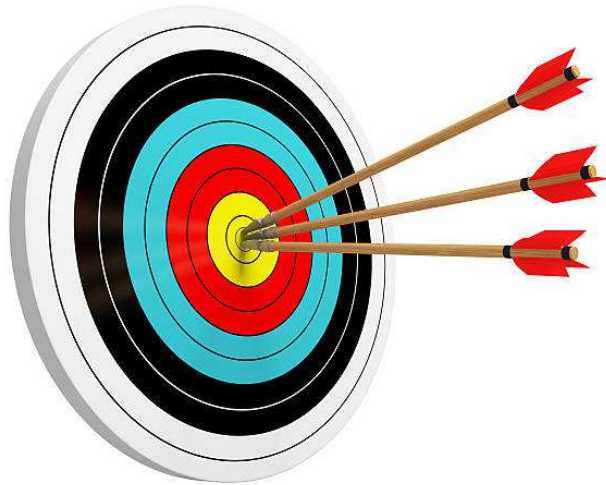
Update

- Public Safety Spectrum is Being Targeted



- 9-1-1
 - Vertical (Z-Axis) Location Accuracy
 - Kari's Law
 - U.S./Canada Cross-Border Report

T-Band

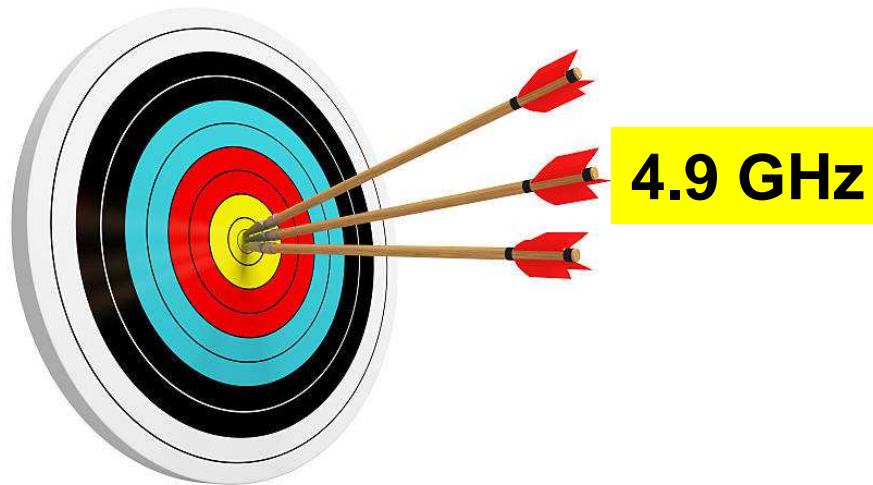


T-Band

T-Band (470-512 MHz) spectrum is allocated for public safety and industrial/business use in 11 top urban areas.

- Section 6103 of P.L 112-96 requires FCC to begin auctioning public safety T-Band spectrum by February 2021 and clear public safety within 2 years of auction close.
- In December 2017, NPSTC formed T-Band Coalition.
- H.R. 5085 was introduced February 2018 and S.3347 was introduced August 2018 to repeal Section 6103
- Status: As of 10/5/2018, H.R. 5085 has 19 co-sponsors in the House; S. 3347 has 4 co-sponsors in the Senate
- IACP C&T Position Statement Status

4.9 GHz



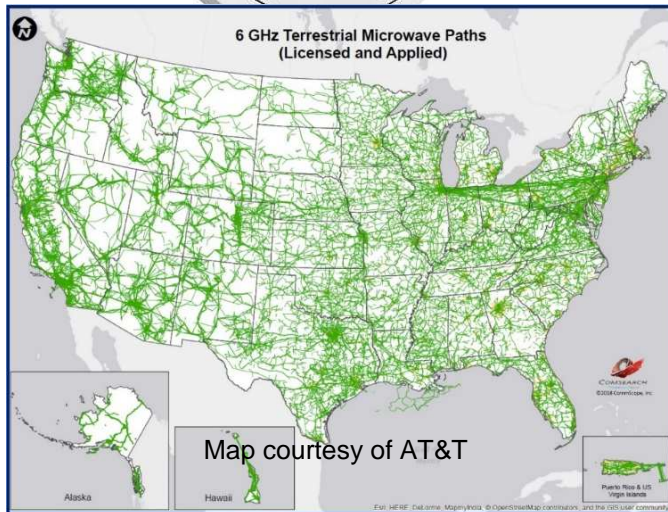
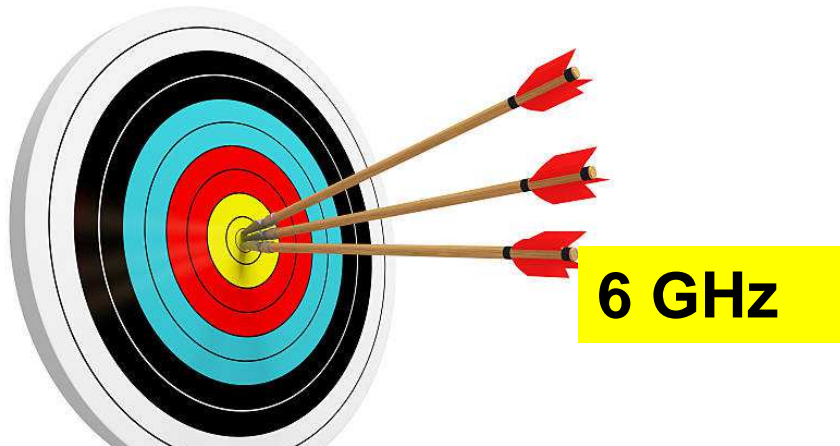
4.9 GHz Band

4.94 GHz

4.99 GHz

- Band used to connect with surveillance cameras, and for additional uses.
- FCC issued Sixth Further NPRM on 4.9 GHz in March 2018, claiming band is underutilized.
- NPRM proposes some rule changes NPSTC previously recommended.
- However, some FCC Commissioners expressed interest in reallocating and auctioning the band for commercial use.
- NPSTC filed comments July 6 to set record straight on current usage and recommend provisions for UAS and robotics, and sharing of band with CII.
- NPSTC filed reply comments Aug 6 to highlight lack of support for commercial use.

6 GHz



- Public safety, utilities, railroads, petrochem and commercial users share the 6 GHz band.
- The 6 GHz band is heavily used for fixed microwave links.
- FCC plans to release an NPRM October 23 proposing to share band for unlicensed consumer use.
- Important that Public Safety review FCC's proposed protection requirements.
- Comments expected to be due to FCC in late December/early January timeframe.
- Essential that fixed links be protected from interference.



9-1-1 Z Axis Location

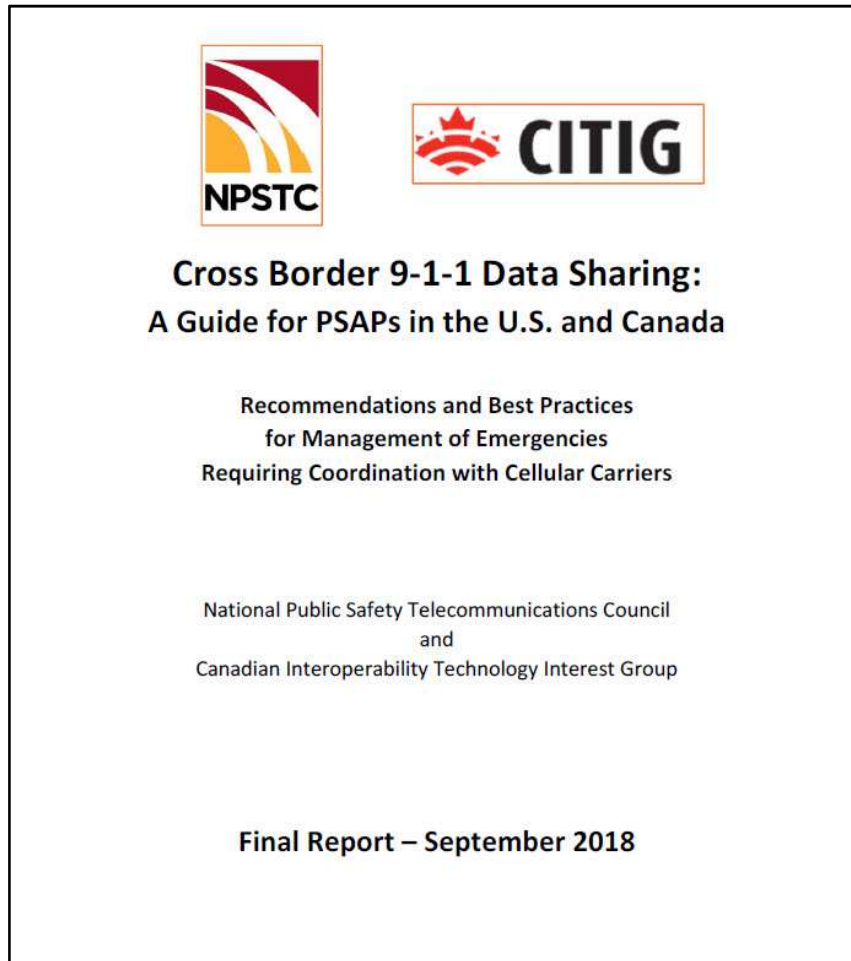
- CTIA recommended vertical (Z-axis) accuracy of +/- 5 meters, i.e., a total variation of 10 meters (approx. 32 feet).
- In comments to FCC, public safety community calls for floor-level accuracy and rejects +/- 5 meter benchmark.
 - NPSTC
 - IACP/IAFC/NASEMSO/NSA Joint Comments
 - APCO
 - NENA

Kari's Law



- Kari's Law Act of 2017 signed into law February 16, 2018.
 - Within two years of enactment, multi-line telephone systems must be configured so a user can initiate a 9-1-1 call without dialing a prefix number (e.g., 9 for outside line).
 - Law also includes requirement that someone onsite be notified of 9-1-1 call, to prepare for arrival of public safety personnel.
- FCC released NPRM Sept. 26 that proposes to implement Kari's Law: PS Docket No. 18-261.
- Comments due to FCC 45 days from publication in Federal Register.

9-1-1 Cross Border



- Report available on NPSTC web site:
 - www.NPSTC.org
- Report addresses:
 - Local caller mis-routed to other country PSAP;
 - Roaming caller routed to visiting county PSAP;
 - Third party caller not located in home country;
 - Request for criminal investigative assistance cross-border.

Spectrum and 9-1-1:

**Two Key Foundational Elements
for Public Safety**

www.NPSTC.org