

Rodney Reed, Chief Deputy



DEFINE: INTEROPERABILITY



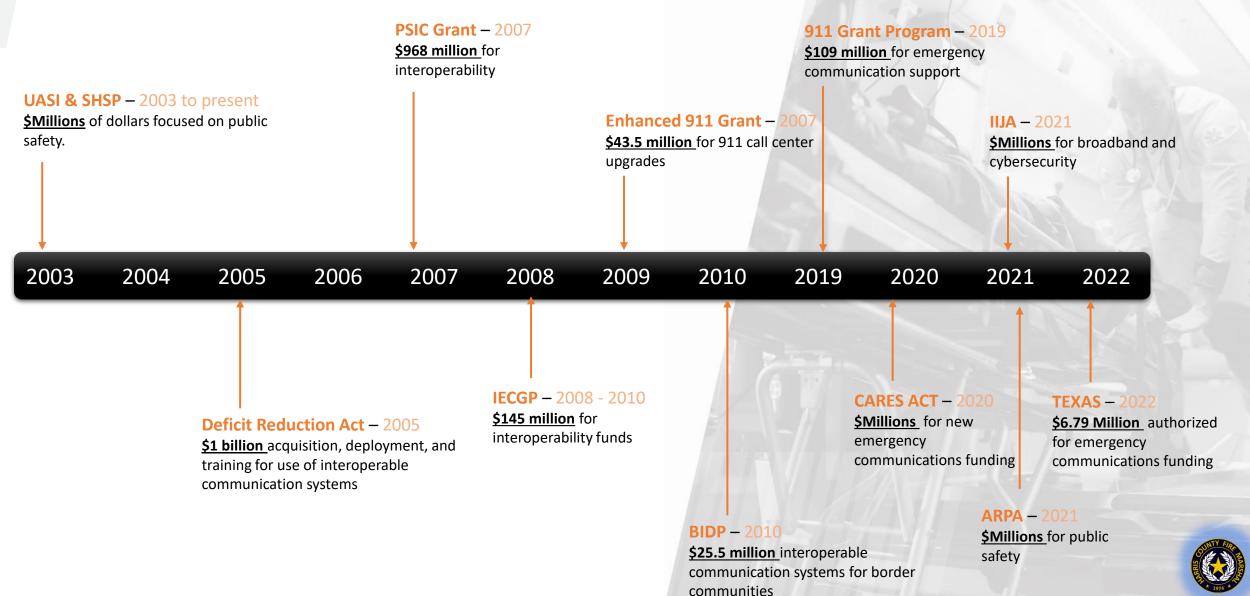
Ability of a system to work with or use the parts of equipment of another system.



Is the ability of emergency response agencies to talk to one another via communication systems — to exchange voice and/or data with one another on demand, in real time, when needed, and as authorized.



PROBLEM = SOLUTION & SOLUTIONS COST MONEY



IMPLEMENT INTEROPERABILITY

SHOULD BE SIMPLE



MONEY & FREQUENCIES

Look for Federal & State grant dollars. Pool or purchase available frequencies.



STANDARDS

Follow the P25 Standards



RADIOS & TEST

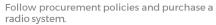


Deploy radios to first responders & public safety.

Test to ensure design meets needs.



PURCHASE & DEPLOY



Deploy that system to my interested parties.



S T E P

SCALE SYSTEM



Make necessary enhancements to ensure the scalability and needs of the system are maintained.



SUSTAIN

Sustain the system through grant and local dollars to build and harden the system.

FINISH







Lessons Learned

from real world incidents

There was a failure to establish direct communications links between the police and fire incident commanders and, to a lesser extent, with responding mutual aid units.





The most significant and pervasive lack of radio interoperability occurred in the mountains above Big Bear during the hours before Dorner was finally cornered and stopped. Because the sheriff's department could not communicate with these hundreds of personnel, not only was their presence not helpful, the sheer volume of police cars on the narrow, two lane roads, actually hampered the mission of the San Bernardino SWAT team that was managing operations at the cabin on Seven Oaks Road.

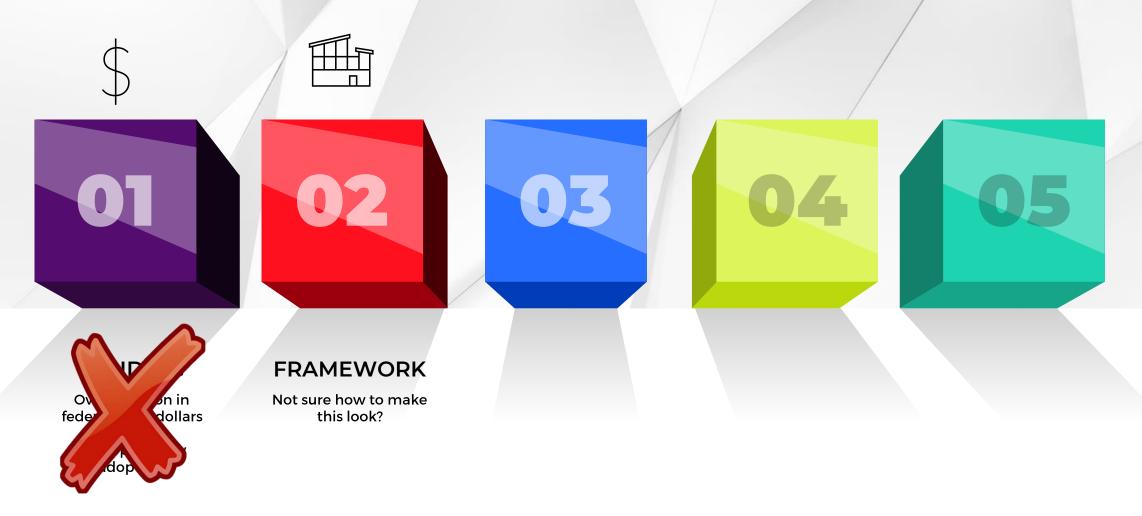
Some disciplines were unfamiliar with the Marathon communication plan and had difficulty initially accessing the designated channels and quickly reverted back to the internal systems that they felt most comfortable using. This limited the ability to coordinate across disciplines over interoperable communications systems.





Uvalde CISD police officers commonly carried two radios: one for the school district, and another "police radio" which transmitted communications from various local law enforcement agencies. While the school district radios tended to work reliably, the police radios worked more intermittently depending on where they were used.





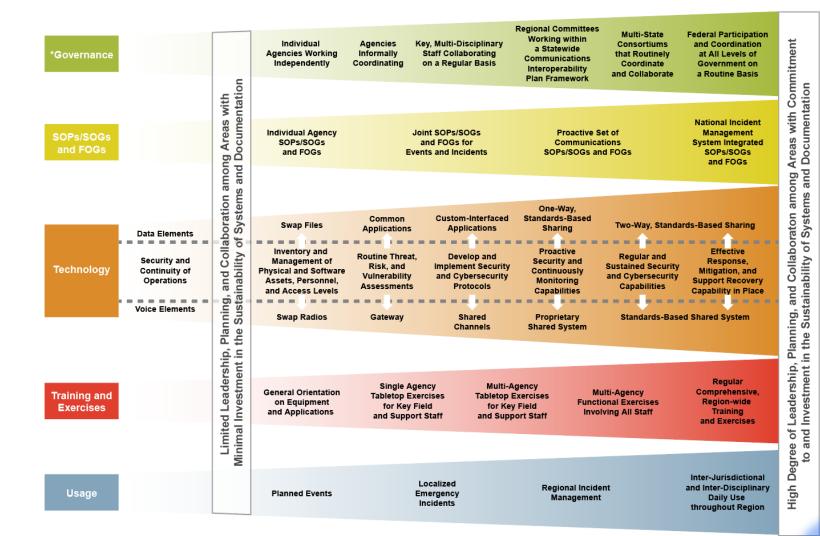


Interoperability Continuum

Drive progress along the **five elements** of the Continuum and improve interoperability:

- Governance
- SOPs/SOGs & FOGs
- Technology
- Training & Exercises
- Usage

Ability of different systems, devices, or products to connect and communicate in a coordinated way.

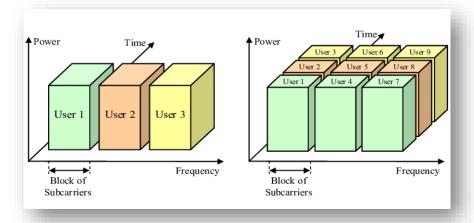






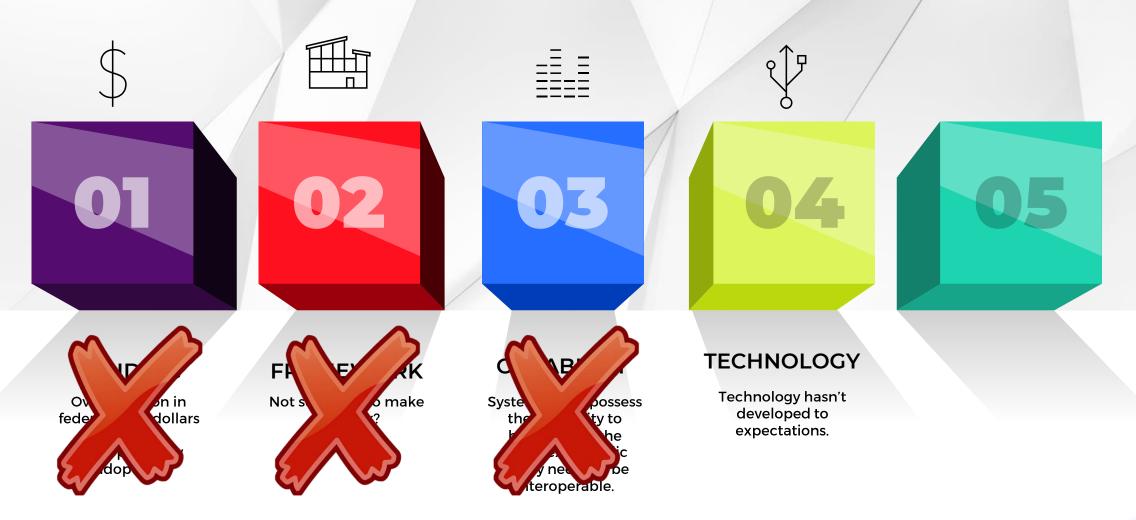
CAPABILITY

TXWARN INSIGHT





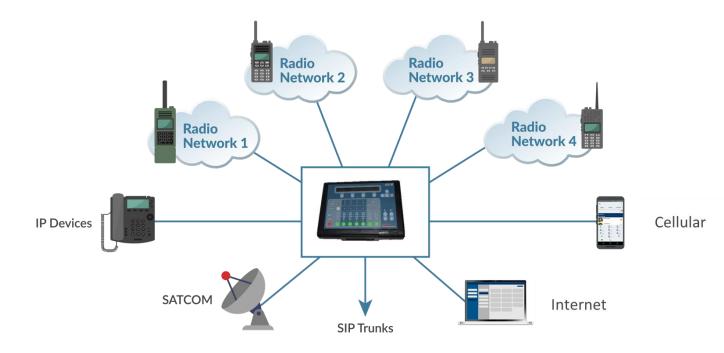




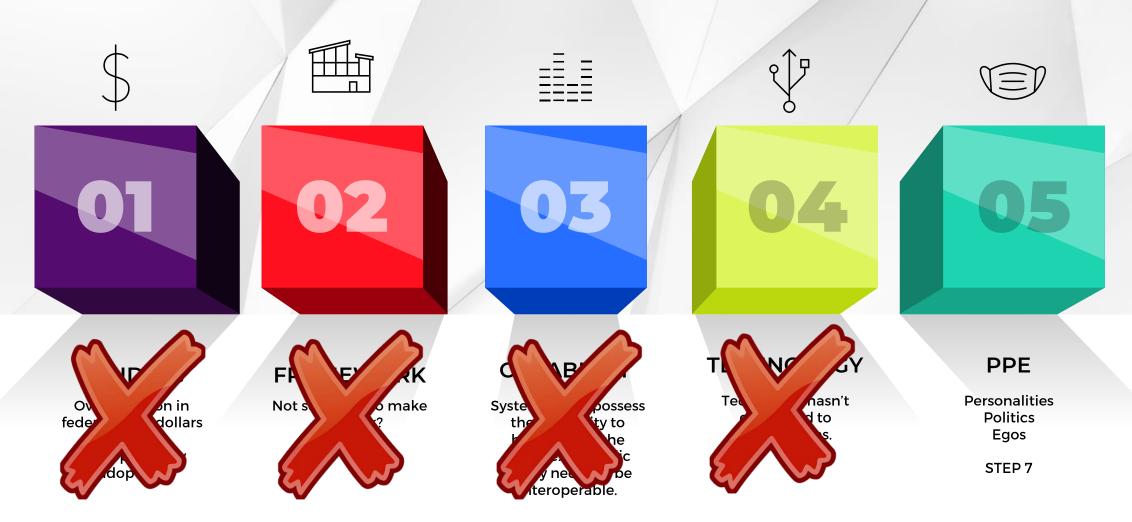


Technology Issue











STEP 7: INSERT PPE PROTOCOLS

FAILURE TO SET STRONG
GOVERNANCE AT THE BEGINNING

ALLOW SOPS/SOGS TO BE DEVELOPED IN VACUUMS OR WITHOUT AGREEMENTS

EXPECT TECHNOLOGY TO SOLVE PROBLEMS AND DON'T FOCUS ON THE PEOPLE

FAIL TO TRULY INTEGRATE INTEROPERABLE COMMUNICATIONS INTO OUR TRAINING & EXERCISE

REFUSE TO ADAPT OUR EVERYDAY USAGE OF RADIO COMMUNICATION

HOW WE ACHIEVE INTEROPERABILITY

PUT OUR EGOS IN CHECK AND FOCUS ON THE REAL ISSUES

RESPONDERS & SYSTEM OWNERS TOGETHER DRIVE CHANGE

WE BREAKDOWN SILOS AND IMPLEMENT INTEROPERABILITY EVERYDAY.

CREATE AN UNDERSTANDING THAT TECHNOLOGY WILL NOT SOLVE PEOPLE PROBLEMS



REDEFINE INTEROPERABILITY

Process of building and sustaining trust among stakeholders to effectively implement and maintain processes, technologies, training, and usage for exchanging voice and data as needed.



PATH & COMMITMENT TO INTEROPERABILIY

OPTIMIZATION

- Talk groups & Channels
- Radio Functionality
- Infrastructure

UNDERSTANDING

- Stakeholder Engagement
- Understanding of Standards
- SOP & SOG Development







- Continuous Usage
- PPE in Check
- Keep Information Flowing
- Be Honest
- Be Respectful
- Know You May Not Get Everything



EDUCATION

- Commit to End User Training
- Implement on Exercises
- Open Communication on Issues/Concerns

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QUESTIONS

