




PROJECT 25

TECHNOLOGY INTEREST GROUP

APCO Project 25 is a user-driven effort to develop a digital standard for wireless communications users. These standards enable critical communications for the safety and security of communities across North America and the world. In emergency situations, Project 25 users can communicate with other agencies and mutual aid response teams. Project 25 wireless mission critical communications user needs include these key digital standard attributes:

Project 25 Key Objectives

- Graceful system migration (forward and backward)
- Interoperability between agencies and different levels of government
- Backward compatibility
- Scalable trunked and conventional capabilities
- Spectral efficiency



Backward compatibility and graceful migration.

Project 25 enables system migration which is backward compatible with existing systems, and allows forward compatibility with next-generation radios.

Scalable Trunked and Conventional capabilities.

Project 25 enables systems to be scalable from single channel conventional to regional trunking. They can be configured in voting, multicast, and/or simulcast designs, and still include the talkaround capability required by public-safety agencies.

Spectral efficiency. Project 25 enables 12.5 kHz systems migration to 6.25 kHz or equivalent spectral efficiency performance.

Interoperability. Project 25 enables communication between neighboring systems. This is important for mutual aid where resources are gathered from many different locations.

