

Radio Communication Fundamentals

Reliable communication is a necessity for telecommunicators and all emergency responders. This complex process is often taken for granted because we use communication tools such as phones, radios and televisions every day. It takes a breakdown to become aware of our dependence on this technology.

This course explains the fundamentals of radio communication, discusses the types of radio systems used to dispatch and communicate with responders, and provides insight into the causes of communication difficulties.

Goals

Upon completion of this course, the student will be able to demonstrate the following skills.

1. Explain how a telecommunicator can use their familiarity with light, and waves in water, to understand radio signals.
2. Explain the differences between VHF and UHF band radios and why an agency might choose to use one frequency over the other.
3. Explain how line-of-sight impacts the telecommunicator when communicating with responders.
4. Discuss the effects of weather on radio communication.

Requirements

This self-paced, online course is part of an ongoing effort by PowerPhone to provide timely and essential learning to telecommunicators on new advisories and procedures important to the PSAP community. After completing all sections of this class, you will need to score a minimum of 75% on the final quiz to earn 1.0 CEUs.

- Desktop, laptop or mobile device
- Speakers / Headphones
- High-speed Internet access
- Internet Browser (Google Chrome preferred)