

Emergency Communication System

An Emergency Communication System (ECS) supports one-way and two-way communication of emergency messages between individuals and groups of individuals¹²⁰.

Typically, first responders to emergency situations will use a two-way (push to talk) radio communication systems. There are multiple problems that can affect the use, let alone efficient use, of this technology, including:

- Fire, police, and ambulance services are on different radio systems, preventing easy coordination in major emergencies.
- Radio towers that enable these radio systems can become disabled in disaster scenarios, rendering the systems useless.

Solutions to these problems have been enabled or are in the process of being enabled. They are outlined in the following sections:

Alberta First Responder Communication Systems

Low Earth Orbit Satellite (LEOS) Emergency Services

Public Emergency Alerts

References

¹²⁰Wikipedia. [Emergency Communication System](#). Accessed 11 March 2021.