

# Wireless Passenger Communication System



## **Project Description:**

- Development of a back-up PA system equipped with an battery-independent power supply
- One hour of talk time once communication train-line circuit becomes inoperable
- Accessible from any point inside or outside the train within a given area
- Based on IEEE 802.11X Wi-Fi technology
- Wireless Mesh node network with fault tolerance and redundancy
- VoIP core technology for Intercom/PA
- Wireless handheld audio communication device for use by crew to access and utilize the PA system

## **Railroad Impact:**

- Improve the ability of train crew to communicate effectively with passengers during emergency situations
- Provide communication abilities even when there is a break in the train-line communication network