

The Five “Cs” for an Effective Wireless Communication Solution

An effective wireless communications solution must fulfill five critical requirements: **control, coverage, capacity, capability, and cost.**

Control. An organization must have the ability to manage and monitor who is communicating, when they communicate, and with whom they communicate.

Coverage. There must be ubiquitous, reliable, consistent coverage for all users within the organization’s operational boundaries whether a factory floor, a building, a hallway or floor, or in the field.

Capacity. Simultaneous voice and data communications between multiple users must be supported at any given time, including during emergencies when traffic can increase dramatically – a big problem if the system is not designed to handle it.

Capability. A communications solution must deliver features required by users, such as interoperability, security, standardization, room for future growth, instant communications, one-to-one and one-to-many communications, centralized hub, security, and rugged units.

Cost. A solution should offer the best mix of technology and services that provide cost-effective communications. There’s always trade-off between capital spending vs. operating expenses. Each Company has its own business model. The solution should not force the user to select a model that doesn’t make sense.

Immediate ROI can be achieved by consolidating and standardizing on one short range wireless international standard solution.