

Interoperability Level

Benefit

Issues

Best Applications



- Always available
- Full-system features
- Event scale doesn't matter
- Subscriber operation unchanged
- Users can stay in touch with their home system

- Funding for new system
- Region must be operating with standards
- Many – not all – vendors are building to standards
- Requires extensive pre-planning

- Small to massive-scale events
- Urban or rural locations
- Any band/bands



- Connects multiple types of systems
- Instant access
- Full system features
- Full system range

- Requires extensive pre-planning
- Depending on your configuration, controller could be a costly part with infrequent use

- Small to large-scale events
- Cross-band
- Limited response areas



- Connects disparate systems/bands
- Can be cost-efficient
- Moderate (1-2 site) range

- Console/field intervention or other efforts needed to set up on the fly
- No advanced features
- Overlapping coverage required
- Multiple systems required
- Limits channel resources
- Moderate range
- Users can't leave home system

- Small to moderate-scale events (2-4 agencies)
- Pre-planned events (concerts, sports, etc.)



- Cost-efficient
- Available almost everywhere

- Radio programming req'd
- No advanced features
- Radio removed from home system
- Limited range
- Frequency-dependent
- Requires conv. and trunking in radio

- Small to moderate-scale events (2-4 agencies)
- Unplanned events (channel plan required in advance)
- Works for urban or rural areas



- Simple to implement
- Point-to-point
- Direct communication
- Cost-efficient

- Limited range
- Frequency-independent
- Requires compatible systems

- Small events (2-3 agencies)
- Tactical coordination
- Emergencies only



- Simple to implement
- No administration

- Product cross-training required
- Slow to setup the physical exchange
- Limited range

- Small events (2-3 agencies)
- Pre-planned events with key players coordinating