# 1 Applicable Digital PMR Standard

- D NXDN
- TETRA
- □ P25

## 2 Main System Functionality and Capabilities

- □ Seamless connectivity with analogue and digital radio fleets
- Emergency call / Man-down options
- ☑ Individual, group and fleet calls
- □ Stun/revive and radio kill options
- Priority call and call interrupt option
- Automatic roaming between base repeater sites in digital mode
- □ Short messaging and position reporting
- ☑ Repeater site remote diagnostics
- □ Radio fleet wireless programming and management
- Dispatch software with situational awareness and traffic recording options

### 3 System Security Level

- ☑ Traffic encryption not required
- Low level digital encryption (with 16- or 40-bit encryption key) available
- High level digital encryption (with 128 or 256-bit encryption key) available

## 4 Repeater Site Enquiry

- Mounting options required (stand-alone system or integrated into communication rack)
- Dual antenna or single antenna (duplex filter required) configuration
- Backup power option
- Installing new feeder line (old feeding infrastructure doesn't exist or should be replaced)

## 5 Base (Fixed) Radio Site Enquiry

- Mounting options required (desktop or rack mount)
- Backup power option
- External antenna mounting options (roof top, wall side mount, etc.)
- Standard handy or desktop microphone option
- Radio display options (channel counter only, simply alphanumeric display, color graphics display for convenient operation control / monitoring, etc.)

### 6 Vehicle Radio Set Enquiry

- Mounting options required (dash top, din rail, remote control, etc.)
- ☑ 12 VDC or 24 VDC power source vehicle
- vehicle antenna options (high gain with tilt mechanism, low profile, covert, etc.)
- □ GPS tracking available
- Radio display options (channel counter only, simply alphanumeric display, color graphics display for convenient operation control / monitoring, etc.)
- Additional PTT (push-to talk) options (finger or foot-switch activated)
- External speaker option

### 7 Portable Radio Set Enquiry

- □ Terminal ergonomics (compact, slim, advanced functionality device, etc.)
- □ No Keypad, limited keypad or full keypad version
- Radio display options (no display, simply alphanumeric display, color graphics display for convenient operation control / monitoring, etc.)
- Antenna options (standard flexible whip or stubby)
- Carry accessories (belt clip, carry pouch, case with swivel belt loop, etc.)
- battery options (slim and lightweight 1500-2000mAh capacity or more than 2000mAh capacity long lasting)
- external audio accessories required (remote speaker/mic, 2- or 3-wire surveillance kit with acoustic tube, etc.)
- Vehicular accessories (vehicular charger, dash hanger, etc.)