

# RT-7000 AIRBORNE TACTICAL RADIO

## TRANSCIVER MODULE OPTIONS



### OPTION 1

#### SDR Wideband Transceiver Module

- 29.7-960 MHz
- FM/AM Across "The Wideband Spectrum"
  - Military FM-50-88 MHz
  - Military AM-225-400 MHz
  - Extended range ATC, AM-118-156 MHz
  - 25 kHz & 8.33 kHz spacing
- Land mobile FM
  - 30-50 MHz (VHF Low Band)
  - 136-174 MHz (VHF High Band)
  - 380-520 MHz (UHF)
  - 764-870 MHz (700/800)
  - 896-940 MHz (900 MHz)
- P-25 digital conventional
- FIPS 140-2 AES and P25 DES Encryption; P25 Over-The-Air-Rekey (OTAR)

**Covers all tactical voice and ATC needs.**

### OPTION 2

#### Motorola APX 8000-based Module

- Every module can cover
  - 136-174 MHz VHF
  - 380-520 MHz UHF
  - 764-870 MHz UHF
- User-desired features
  - P25 Phase II trunking
  - P25 Phase I, SmartZone & SmartNet trunking
  - ADP, AES, DES, DES-XL, DES-OFB, DVP-XL encryption Over-the-air rekey (OTAR) and multikey encryption VoteScan multi-cast voting scan
  - Other Motorola features as requested P-25 digital conventional

**Leverages the latest Motorola user experience.**



## OPTION 3

### SAR (Search & Rescue) Module

- Global Maritime Distress and Safety System (GMDSS)
  - Compliant receiver module
- Simultaneously monitors:
  - 121.5 MHz AM
  - 243.0 MHz AM
  - 156.8 MHz FM (Channel 16)
  - 156.525 MHz FSK (DSC, Channel 70)
- Extensively deployed via legacy RT-5000 radios to U.S. Coast Guard

