



## National Interagency Incident Communications Division



August 11, 2011

**To:** Radio Users

**From:** Stephen M. Jenkins, Chief, National Interagency Incident Communications

**Subject:** Approved Radios

The following is a consolidated list of Fire Approved Radios, Radios Accepted for Fire (Cooperators), and Radios Approved for Forest Health Protection. These are the only approved radios for interagency fire and Forest Health Protection (aviation) use.

### Fire Approved Radios

The following radios are currently approved for interagency fire use.

#### VHF-FM

##### Analog Portable Radios<sup>1, 2</sup>

B/K	EPH Flex <sup>3</sup>
B/K	GPH

##### Analog Mobile Radios<sup>1, 2</sup>

B/K	EMH
B/K	GMH

##### P25 Digital Portable Radios<sup>4</sup>

Datron	Guardian G25PRV100
Midland	STP105B
Relm	DPHX5102X
Relm	KNG-P150
Thales	25 PRC-6894

### P25 Digital Mobile Radios

Datron	G25RMV100
Datron	G25RMV110
Datron	G25ASU001
Midland	STM-1050B
Midland	STM-1055B
Midland	STM-1115B
Relm	DMH5992
Relm	DMH5992X HP
Relm	KNG-M150

### P25 Digital Aeronautical Radios

Northern Airborne Technology	NPX136D070
Technisonic Industries	TDFM-136
Technisonic Industries	TDFM-136A
Technisonic Industries	TDFM-136A/NV

### **UHF-FM**

### UHF P25 Digital Portable Radios<sup>4</sup>

Midland	STP404A
Relm	KNG-P400

### P25 Digital Mobile Radios

Midland	STM-4040A
Midland	STM-4045A

### **Multiband**

### P25 Digital Portable Radios Capable of Operating in More Than One Frequency Band

Thales	Liberty	136-174 MHz, 380-520 MHz, 700 MHz, 800 MHz, trunked
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## **Radios Accepted for Fire (Cooperators)**

The following aviation radios are currently accepted for interagency fire use by cooperators with the exception of state level fire organizations. The US Forest Service, Department of the Interior, state fire organizations, and contractors are not allowed to utilize these radios as “fire” radios. Radios accepted for fire are allowed under the following conditions.

- Used solely by cooperators (law enforcement, EMS, military, etc.)
- Contain at least one conventional P25 digital VHF-FM RF module/transceiver operating from 136 to 174 MHz with front panel programmability (FPP).
- Any of the following options are acceptable to meet the Air Guard requirement:
  - A second conventional P25 digital VHF-FM RF module/transceiver operating from 136 to 174 MHz with FPP.
  - A non-FPP conventional P25 digital VHF-FM RF module/transceiver operating from 136 to 174 MHz with a preset channel dedicated to Air Guard.
  - A P25 digital trunked VHF-FM RF module/transceiver operating from 136 to 174 MHz with a preset non-trunked channel dedicated to Air Guard.

### Multiband Aeronautical Radios

Cobham Avionics (aka Wulfsberg)	C-5000/RT-5000 (modified for FPP)
Technisonic Industries	TDFM-6000 Series <sup>5,6</sup>
Technisonic Industries	TDFM-7000 Series
Technisonic Industries	TDFM-7300 Series

## **Radios Approved for Forest Health Protection**

The following analog aviation radios are currently approved for Forest Service Forest Health Protection (FHP). FHP may also utilize approved P25 Digital Radios listed under the Fire Approved Radios section. The below analog radios are not allowed to be used in any aspect of interagency fire (reconnaissance or air tactical).

### Analog VHF-FM Aeronautical Radios<sup>7</sup>

Cobham (aka Northern Airborne Technology)	NTX138-050
Cobham (aka Northern Airborne Technology)	NTX138-070
Technisonic Industries	TFM-138 (serial number 1540 & up)
Technisonic Industries	TFM-138B/C/D
Technisonic Industries	TFM-500

<sup>1</sup> Purchases of new analog radios are not recommended. At some point in the future, fire will require that only P25 digital radios be used.

<sup>2</sup> All radios required under aviation fire contracts must be P25 digital.

<sup>3</sup> The B/K EPH Flex cannot operate on newly issued FCC interstitial (7.5 kHz channel spacing) frequencies. Interstitial frequencies have been issued on fires in several locations.

<sup>4</sup> The Motorola XTS2500 and XTS5000 P25 digital portable radios are fire non-compliant and removed from the approved list pending correction of a P25 talkgroup limitation.

<sup>5</sup> A Technisonic AMS-6000 Audio Panel is highly recommended when using the TDFM-6000 series radio.

<sup>6</sup> The Technisonic TDFM-6148 radio does not meet the listed conditions for single radio installations.

<sup>7</sup> This category of approved radios will be removed once the Forest Service mandates that only P25 digital radios be used.

Questions concerning radios on this list can be directed to: Bill Forsyth (208-387-5720) [bforsyth@fs.fed.us](mailto:bforsyth@fs.fed.us) (portable and mobile radios) or Frank Smith (208-387-5648) [fsmith@fs.fed.us](mailto:fsmith@fs.fed.us) (aeronautical radios).

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