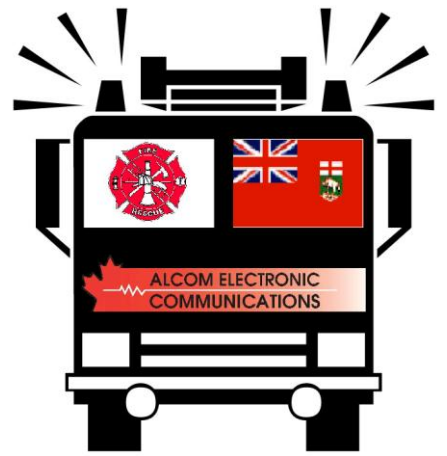


FIRE SERVICE RADIO NEWS

January/February 2016



Bluetooth Integration Enabled:

MSA G1 SCBA and Motorola Two-Way Radios

Motorola Solutions and MSA have teamed up to enable Bluetooth connectivity between MSA's G1 SCBA and Motorola's Bluetooth enabled XPR and APX two-way radios. Fire departments in Manitoba have been adopting the XPR 7500 series portable radio for VHF on-scene communications and the APX series radios for FleetNet communications. The XPR radios have Bluetooth technology built-in and the APX radios offer Bluetooth as an option. Now, you can take advantage of this technology by pairing the radio with your MSA G1 SCBA to provide crystal clear communications even in the most extreme environments.

The MSA G1 Regulator has dual microphones built-in and it is designed to recognize and eliminate background noise. This integrated solution also improves safety by reducing snag hazards by eliminating the need for the remote speaker microphone typically used with the radios. When the low pressure warning device is activated and the user is in full alarm, Voice communication is the only sound transmitted. The MSA G1 SCBA together with your Motorola XPR 7500 Series portable radio provides the ideal fireground communications from firefighter to incident command. To find out how to enable these features, contact your MSA dealer and Alcom. We will work together to make sure you have the best possible fireground communications.



Integrate your MSA G1 SCBA and Motorola XPR 7500 VHF Portable Radio for crystal clear communications.

Deadline Extended

FREE MOBILE RADIO

Purchase a David Clark Wireless Series System with two or more positions and Alcom will provide an XPR 4550 VHF Mobile Radio at no additional cost.



MOTO TRBO™
XPR 4550 VHF Mobile Radio



Call Kevin Wittmeier for details
Deadline to order extended to January 30, 2016



MOTOROLA SOLUTIONS
Radio Solutions Channel Partner

MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license. All other trademarks are the property of their respective owners. ©2011 Motorola, Inc. All rights reserved.

FIRE SERVICE RADIO NEWS

January/February 2016



Operating Radios in Hazardous Locations

HAZLOC CLASSIFICATION

Hazardous locations (Hazloc) are defined as areas "where fire or explosion hazards may exist due to flammable gases or vapors, flammable liquids, combustible dust, or ignitable fibers or flyings." Hazardous locations are found in many industries, including fuel storage facilities, chemical plants, grain elevators, and plastics processing.

When electrical equipment is used in a hazardous atmosphere there is the risk that electrical sparks or abnormally high temperatures within device components could ignite flammable or explosive substances in the surrounding air. You face the risk of igniting flammable or explosive substances during rescue operations at hazardous locations like chemical spills, in grain elevators and feed mills, and in proximity of gas leaks. In these environments you need to use equipment with Hazloc certification to reduce the risk of ignition.

HAZLOC CERTIFICATION TRANSITION

The entire two-way radio industry is transitioning to the new TIA-4950 standard for Hazardous Location certification of two-way radios. All new Intrinsically Safe Motorola radios will be certified by Underwriter Laboratories (UL).

Many fire departments in Manitoba are using portable radios that have been certified intrinsically safe for use in hazardous environments under the Factory Mutual standard FM3610_88. These radios will continue to maintain their FM Intrinsically Safe approval status, provided they are used with the proper FM approved batteries and any service and repairs are done at an FM audited repair facility.

The hazardous location classifications are the same for both the old FM standard and the new TIA standard (see chart below).

	TODAY	FUTURE
Certification Lab	FM Approvals (FM)	Underwriters Laboratories (UL)
Standard Applied	FM 3610_88	TIA-4950
Classification Rating	Division 1 Class I, Groups C, D, Class II, Groups E, F, G, Class III, T3C	Division 1 Class I, Groups C, D, Class II, Groups E, F, G, Class III, T3C
For use in Hazardous Locations	Yes	Yes

**MOTOTRBO Radio
Label example**



HERE IS WHAT YOU NEED TO KNOW:

- 1) FM and UL approve the radio and battery together as a system. The FM approved battery may only be used on an FM approved radio, and the UL approved battery may only be used on a UL approved radio, otherwise the certification is not valid. However, you can operate with both FM and UL approved radios in your fleet.
- 2) The labels on the back of your radios will tell you which standard applies to your radio. **See the chart above.**
- 3) FM approved radios/batteries will have a green dot on the bottom. UL approved radios/batteries will have a white dot on the bottom. Make sure the dots match when putting a battery on your intrinsically safe radio.
- 4) When you order new batteries, make sure you order the certified battery that matches your radio.
 - a) If your radio is an XPR 6000 Series FM approved radio, order battery model #PMNN4069A
 - b) If your radio is an XPR 7000 Series FM approved radio, order battery model #NNTN8129AR
 - c) If your radio is an XPR 7000 Series UL approved radio, order battery model #NNTN8560A
- 5) FM approved batteries will continue to be available for your older model radios. Call Alcom to find out which battery is right for your radio.
- 6) The Minitor VI pager, when ordered as Intrinsically Safe, comes with the UL standard certification. The UL approved replacement battery is model #PMNN4438A
- 7) The Minitor V pager came standard with FM certification. The replacement battery is model #RLN5707A



#12 – 846 Marion Street Winnipeg, MB., R2J 0K4

204-237-9099
www.alcom.ca