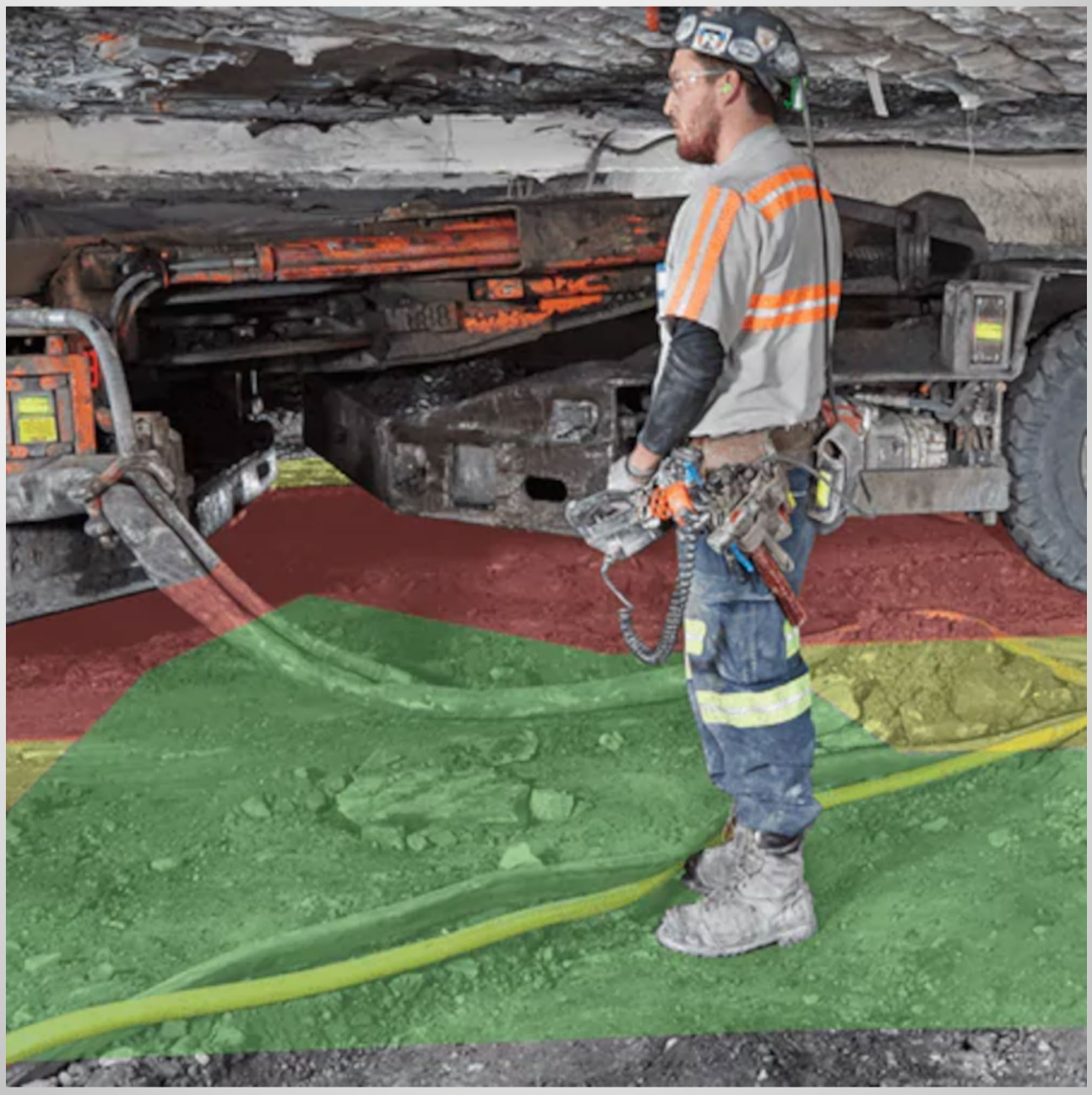
MATRIX

IntelliZone®

Safety Notice

Proximity Detection System



IZ-SN20260827-1

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SAFETY NOTICE

SUBJECT: RF TRANSMISSIONS MAY AFFECT PROXIMITY DETECTION SYSTEM LOCATORS

BULLETIN ID: SA-20260827-1

ISSUE DATE:

PURPOSE OF THIS BULLETIN

This Safety Alert advises customers that radiated emissions from radio frequency (RF) transmitting devices rated at 5 watts or greater may interfere with a Proximity Detection System Locator. The guidance applies to RF transmitters including UHF and VHF handheld, portable, and vehicle-mounted radios, regardless of frequency band or manufacturer. **This bulletin supersedes MISN20160628**, which addressed 5-watt UHF radios only.

WARNING: An affected locator may appear to operate normally but may not be detected by an IntelliZone or SmartZone Proximity System.

CONFIRMED CONDITION

Laboratory testing confirmed that keying a 5-watt RF transmitter at less than 11 centimeters (4 inches) from a locator can cause the locator to stop functioning. The display may remain active and the locator may respond to button presses; however, the locator may no longer be detected by an IntelliZone or SmartZone Proximity System. The locator will not resume functionality until reset as described below. Transmitters rated above 5 watts may produce the effect at greater distances because radiated field strength increases with transmission power.

REQUIRED ACTION

- Distribute this bulletin promptly to operators, service personnel, supervisors, trainers, and personnel working near Proximity Detection System equipped machines.
- Maintain a minimum separation of 31 centimeters (12 inches) between the locator and any RF transmitting device rated at 5 watts or greater.
- Evaluate the separation distance in the actual mining environment to confirm that it is adequate for the RF equipment present.
- If RF interference is suspected, move away from the transmitting device and reset the locator by holding the locator button while placing the locator on the charger. Confirm proper locator operation before returning the locator to service.

SUPPORT FROM MATRIX

Contact your Matrix representative with questions regarding this bulletin or the recommended actions.

Mike Spanner, Director of Quality
Matrix Design Group

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