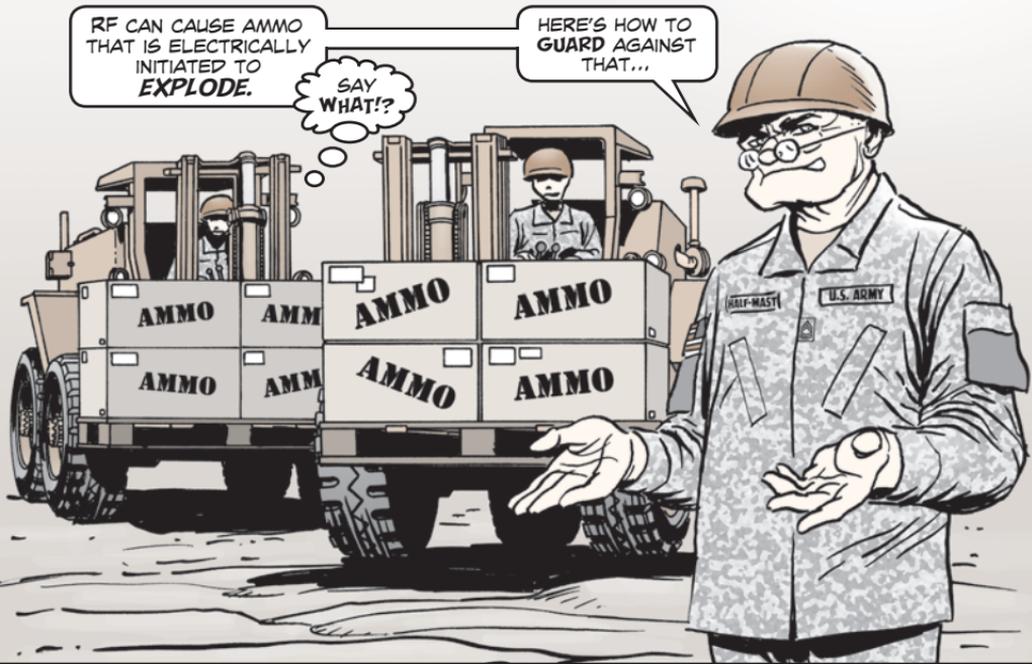


# Ammunition... **GUARDING AGAINST RF DANGERS**



**B**ecause more and more devices on vehicles and in support base areas are producing radio frequencies (RFs), extra care is needed with the hazards of electromagnetic radiation to ordnance (HERO).

Typical munitions vulnerable to HERO include electrically-primed cartridges, electrically-fired rockets, and electrically-initiated detonators.

If you don't take care to shield HERO, electromagnetic RF radiation could detonate them—a disaster of the first order.

The best safety measure is to turn off all RF emitters when uploading unpackaged ammo. Also, shield uploaded unpackaged ammo from possible RF emissions. Putting ammo in closed metal boxes or vehicle ammo stowage areas usually provides adequate RF shielding.

Constantly monitor the distance of RF sources to ammo storage to ensure there is safe separation. Determine what's a safe distance by checking out Table 17-3 in DA Pam 385-64, *Ammunition and Explosives Safety Standards*. You can also use JSC Ordnance E3 Risk Assessment Database (JOERAD) software to make the calculation. Request JOERAD software at <https://acc.dau.mil/joerad>

If you have questions about JOERAD, contact Matthew Grenis at (410) 293-9264 or email: [matthew.grenis@disa.mil](mailto:matthew.grenis@disa.mil)