
INTEROFFICE MEMORANDUM

TO: CHIEF MORRIS
FROM: SSGT. T. W. BAKER SR.
SUBJECT: CEW MUNITIONS FUNCTION AND COMPATIBILITY TEST
DATE: 5/19/2015

Less Lethal Conductive Electric Weapon Munitions Function and Compatibility Test

Taser CEW munitions and Phazzer CEW munitions were tested for cross compatibility and function in both Taser and Phazzer CEW's.

For the test, Taser M-26, Taser X-26, Taser X-26P, Phazzer Enforcer and Phazzer Dragon were used to test CEW munitions.

Munitions tested were Taser 21 foot dart cartridge, Taser dart cartridge shipping guard, Phazzer training cartridge, Phazzer 21 foot dart cartridge, Phazzer static guard, Phazzer 25 foot dart cartridge, Phazzer paint marker cartridge, Phazzer pepper powder cartridge, Phazzer pepper ball cartridge, and Phazzer rubber ball cartridge.

For the test, all Taser and Phazzer CEWs were cycled without a cartridge to check function, then each munitions cartridge from Taser and Phazzer were deployed from each CEW.

Test results:

All cartridges from Taser and Phazzer functioned without fail in the Taser M-26, Taser X-26, Taser X-26P, Phazzer Enforcer and Phazzer Dragon.

It was noted during the testing that both Taser and Phazzer dart cartridge munitions when discharged from a Taser CEW had the top dart impact the target in line with the laser site and the bottom dart impact approximately 8 degrees below the top dart. (Laser site top aligned.) When Taser and Phazzer dart cartridges were discharged from a Phazzer CEW the top dart impacted the target approximately 3 degrees above the laser site and the bottom dart impacted the target approximately 3 degrees below the laser site. (Laser site center aligned.)

When discharging Phazzer pepper ball, Phazzer pepper powder, Phazzer paint marker, and Phazzer rubber ball cartridges from a Taser CEW the impact point on the target was well below the laser site point. When discharging Phazzer pepper ball, Phazzer pepper powder, Phazzer paint marker, and Phazzer rubber ball cartridges from a Phazzer CEW the impact point on the target was just below or at the laser site point.

Static charge test:

A static charge was applied to a Taser 21 foot dart cartridge with the shipping guard attached. The static charge was applied by activating the CEW to the Taser cartridge with the shipping guard in place. As a result of an applied static charge the Taser cartridge deployed. The darts from the Taser cartridge impacted the shipping guard and were retained by the shipping guard. The shipping guard contained the darts but failed to prevent the discharge of the cartridge. The Taser cartridge was no longer usable. When a static charge was applied to a Phazzer 21 foot dart cartridge with the static guard attached the cartridge did not deploy. When the static guard was removed from the Phazzer cartridge the cartridge functioned without failure. The static guard protected the Phazzer cartridge and preserved it for future use/deployment. (Cost savings.)

Summery:

Five Taser and fourty five PhaZZer cartridges were used for the testing. All Taser munitions functioned without failure in all Phazzer CEW's tested. All Phazzer munitions functioned without failure in all Taser CEW's tested. During static charge testing, Taser shipping guards contained the darts but failed to preserve the cartridge for future use, Phazzer static guards prevented deployment of Phazzer cartridges preserving them for future use.