Severe weather conditions can impact a TASER Conducted Energy Weapon’s (CEW) performance and characteristics. This training bulletin is meant to provide educational materials and guidance on how users can increase the likelihood that their weapon performs to their expectations.

**Below Freezing Temperatures:**

Below freezing temperatures (below 32 degrees Fahrenheit [or 0 degrees Celsius]) for an extended period of time may have an impact on many types of electronic devices, including CEWs. The following factors should be considered when subjecting a TASER CEW to these temperatures:

- Temperatures below freezing may result in a CEW outputting lower pulses per second. The following guidelines help address this issue:
  - Powering on the device as soon as possible prior to deployment allows the device to warm up while powered on.
  - Because low battery percentage can exacerbate this issue, TASER CEW device users must follow all Axon-recommended protocols for replacing batteries when the central information display (CID) indicates that the battery needs to be replaced or charged. Axon also recommends replacing or recharging the battery pack of a TASER CEW if a low spark rate is observed.
  - A firmware feature that decreases the amount of power dedicated to the flashlight (allowing more electricity to be dedicated to higher pulse per second output), has been applied to the TASER 7 to improve performance at below freezing temperatures.

- In rare cases, a delay in boot time may be observed due to exposure to extreme cold temperatures. Axon recommends that the TASER CEW be armed immediately when its use may be necessary (subject to laws, regulations, and agency policy) to allow extra time for the device to boot. Officers should check that the CID is displaying properly before attempting to deploy a cartridge to ensure the CEW has properly booted.

**Extreme Hot Temperatures:**

If a TASER CEW reaches its internal maximum operating temperature (122 degrees Fahrenheit [50 degrees Celsius]), the CEW may experience adverse effects. The following factors should be considered when using a TASER CEW at these temperatures:

- The CEW will automatically dim the flashlight and LASER and reduce the pulse rate in an attempt to keep itself from overheating.
  - Users should avoid powering on their TASER CEW for extended periods of time at these temperatures.
• Lithium ion (rechargeable) batteries may experience issues when attempting to charge at high temperatures.
  
  o Let TASER 7 Rechargeable Batteries cool to below 104 degrees Fahrenheit (40 degrees Celsius) before docking.

For information regarding Axon's recommended guidelines for CEWs after being submerged in water or exposed to heavy rainfall for an extended period of time, please reference Training Bulletin 20.2-02, released on 3/15/18.