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<b>Procedure</b>	<b>Effective Date</b>	<b>Rescinds</b>
Will-Burt TAC Stick, Use of	August 25, 2003	New

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### **Reference**

Norwich Township Fire Department SOG# 21

Page 1 of 2

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### **Purpose:**

Establish a guideline for the fire department's use of the Will-Burt TAC Stick.

### **Responsibility:**

- I. It shall be the responsibility of the department officers to implement this operating guideline.
- II. It shall be the responsibility of the department officers to train members in the application of this guideline.
- III. It shall be the responsibility of each member to know, understand and use this guideline as it applies to the situation at hand. Each member will use good judgment in the use of this guideline.

### **Guideline:**

*Use **EXTREME CAUTION** at all times when approaching areas where live voltage may be present, while trying to detect live voltage with or without the TAC Stick, and in taking action after detection of live voltage.*

### **UNIT DESCRIPTION**

The TAC Stick is a high sensitivity device used to detect **unshielded AC current only!** When detected, the TAC Stick will give an audible and visual warning, becoming louder and more frequent as the signal strength increases.

Rotating the plastic ring at the front (setting switch) turns the unit on/off and selects the one of the three sensitivity settings.

### **BASIC OPERATION**

1. Hold the unit by the un-striped lanyard end. Striped area denotes sensing area.
2. Rotate the setting switch ring to the HIGH SENSITIVITY setting.
  - A. The unit will self-test for about three seconds.

**B. LISTEN** for beeping and **LOOK** for flashing light.  
**C. DO NOT USE** if there is no beeping, no flashing, steady tone or, Achirps@ as it goes through self test when tapped.

3. After self-test has stopped. Move the TAC Stick around slowly.
4. Continue to use the HIGH SENSITIVITY setting until the general location and direction of the unshielded AC voltage is determined.
5. The TAC STICK will start to beep and the LED will flash as the unit is brought closer to the AC. The closer to the source, the more rapid the beeping and the LED flashing will become.
6. Many items may shield the current from detection. When the source is unknown, hold the TAC Stick overhead to start your search. The higher the TAC stick is held in the air, the earlier the source will be detected.
7. Once the AC has been clearly detected and the TAC Stick beeps rapidly, select the LOW SENSITIVITY setting or the FRONT FOCUSED setting to pinpoint the source.

## **WARNINGS**

**Do not contact the TAC Stick to the source of the AC.**

**Do not place the TAC Stick in liquid.**

**In the FRONT FOCUSED setting, the unit will pick up signals only from the front tip end.**

**Do not use the LOW SENSITIVITY or the FRONT FOCUSED settings when starting a search. The sensitivity is greatly reduced and the TAC Stick will no longer pick up signals from certain directions. Anytime the TAC Stick is in either of these settings, EXTREME CAUTION must be used to avoid inadvertent contact with a live wire/s.**

**THIS TOOL IS ONLY CAPABLE OF DETECTING UNSHIELDED AC CURRENT@. MANY OBSTACLES MAY SHIELD AC CURRENT FROM DETECTION AND PUT YOU IN HARMS WAY. BE CAREFUL!**