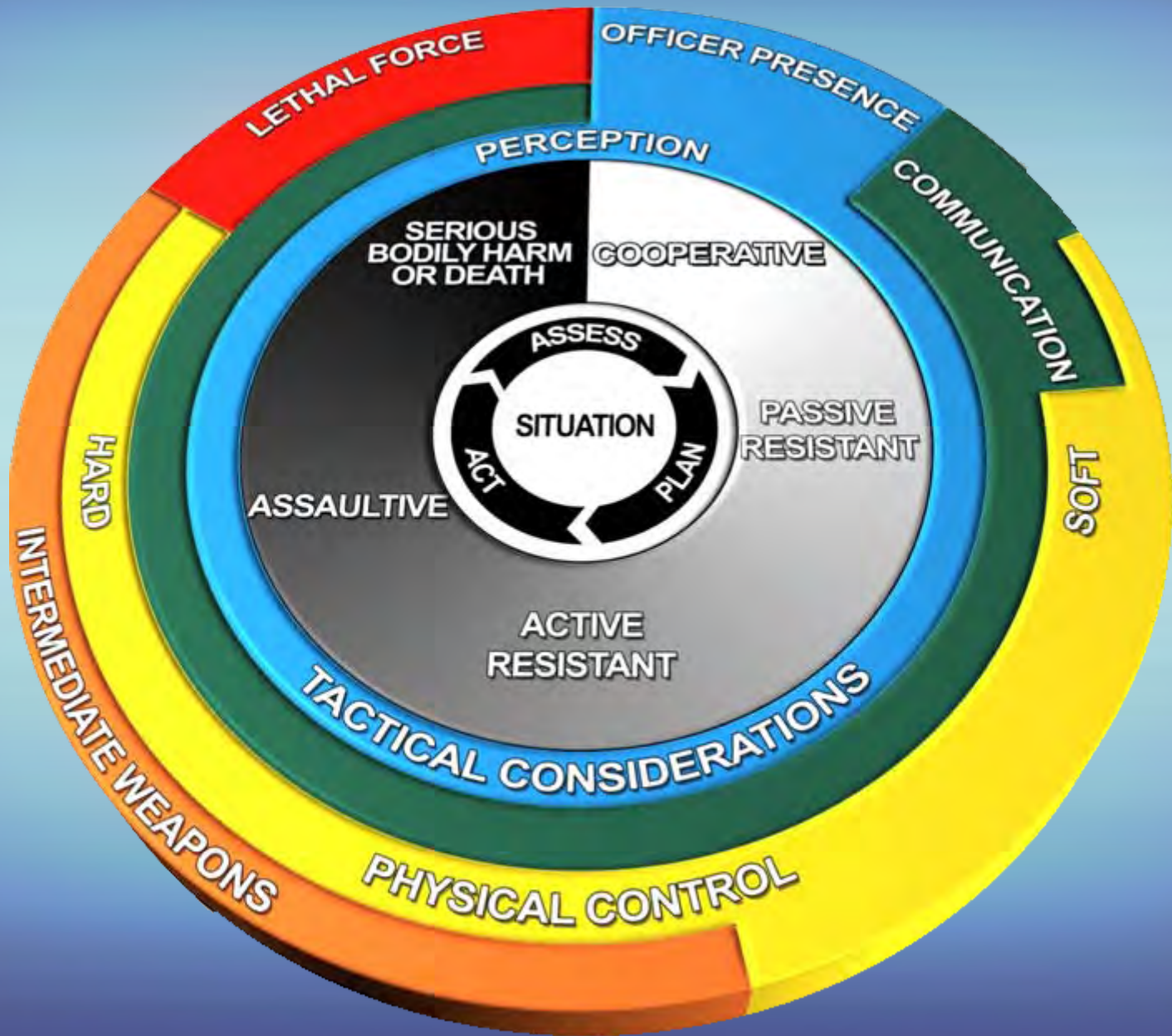


# USE OF FORCE AND THE CONDUCTED ENERGY DEVICE

Sergeant Shawna Goodkey  
Edmonton Police Service

# National Use of Force Model



# National Use of Force Model

- DEVELOPED TO ASSIST IN THE TRAINING OF OFFICERS.
- A REFERENCE WHEN MAKING DECISIONS.
- USED TO EXPLAIN OFFICER'S ACTIONS WITH RESPECT TO USE OF FORCE.
- THE MODEL DOES NOT JUSTIFY AN OFFICER'S ACTIONS.
- THE INDIVIDUAL OFFICER MUST JUSTIFY THEIR OWN ACTIONS.

# Video 1

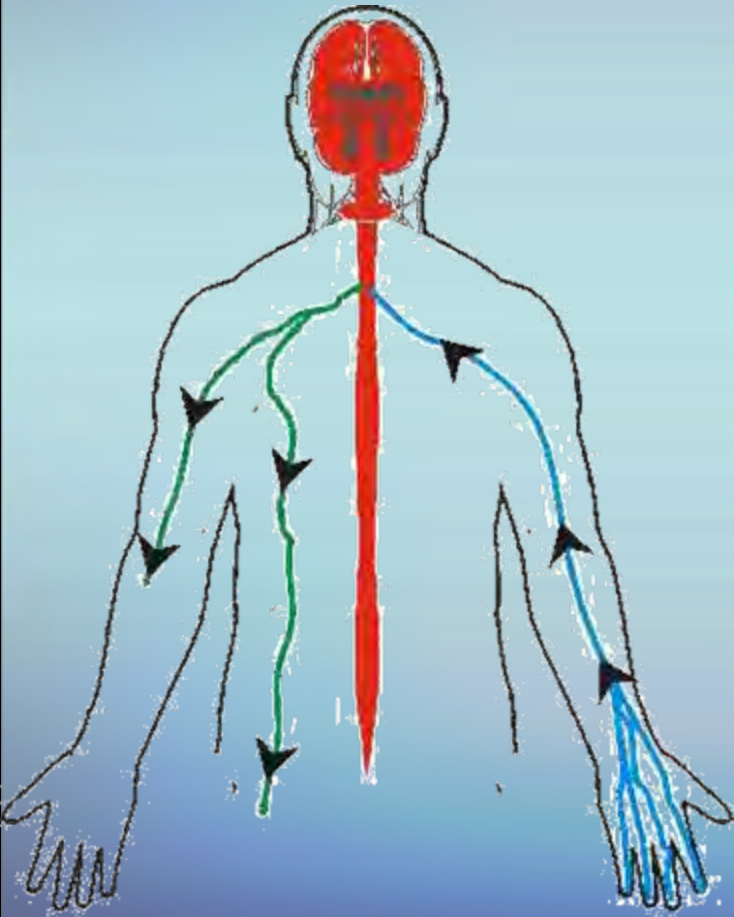
# History of CED:

- TASER technology developed by Jack Cover late 60's early 70's
- Electronic Device overrides Neuromuscular System by blocking electrical impulses to and from the brain
- CED effects the Central Nervous System making coordinated actions difficult

# **Operation: X26 CED**

- 50,000 volts (0.36 joules)
- Shoots 2 probes, 160 feet per second, up to 25 feet
- Probes connected to unit by conductive wire and utilizing disposable lithium battery

# Pain vs. Incapacitation



## Central Nervous System

Command center (brain and spinal cord) processes information and makes decisions

## Sensory Nervous System

Nerves that carry information from the body to the brain. Touch, temperature, etc.

**Stun systems affect these nerves**

## Motor Nervous System

Nerves that carry commands from the brain to the muscles to control movement

**CED systems affect BOTH the sensory and motor nerves**

# **Active Resistant**

- **These subjects do not attempt to assault an officer, but rather actively resist the control efforts by an officer, often accompanied by increased verbal defiance to lawful commands.**
- **The resistance can include holding on tightly to a fixed object, pulling away, or an attempt to escape. These types of subject's must be physically compelled to cooperate.**

# **Intermediate Weapon(s)**

- Do not replace lethal force options
- Are not stand alone options vs. lethal threats
- Best used for resistant / assaultive subjects

# **STRENGTHS:**

- Probes stop after 25 feet, no errant shots hitting people
- No contamination: good indoors
- Can penetrate leather and other clothing up to 2 inches
- Minute wind effect
- Effects subjects in under 1 second

# **WEAKNESSES**

- Not appropriate for distances greater than 25 feet
- Can not use for crowd dispersion
- May not work on bulky / loose fitting clothing
- Should not aim to the head or face
- Can not be used in a flammable environment / roof situation

# CED WILL NOT:

- Damage the nervous system
- Effect cardiac rhythm or pumping
- Effect pacemakers
- Electrocute a person
- Cause serious injuries or death

# Video2



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