

Angled Drive Stun



Senior Master Instructor Deputy Don Gulla

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- **King County Sheriff's Office 23 yrs**
- **Master Instructor Since 2000**
- **Dept Taser Coordinator**
- **Assigned to SWAT/Firearms/DT**
- **Currently 450 Tasers Issued**
- **90 % X-26 10 % M-26**
- **2006 175 Taser Deployments**
- **Down from 362 Deployments in 2004**

Purpose of Training

To provide overview of a new more effective technique of Cartridge On Drive Stun Technique which will:

- **Improve NMI**
- **Reduce number of applications**
- **Gains compliance or control sooner**
- **Leaves less signature marks**
- **Improves Officer/Subject Safety**

Angled Drive Stun

King Co Sheriff's Office has only paid out on one Taser Use:

- **Media Driven-Made Local News**
- **M-26 Cartridge Off - Drive Stuns**
- **Deputies were 100% within policy**
- **Did what they were trained to do**

Angled Drive Stun

During training I noted that 70% of Cartridge On Drive Stuns (CODS):

- Did not induce NMI**
- Current flow would be either to
2 Probe Location or
End of Cartridge Location**
- Student Could Continue to Struggle, Could
Roll, Grab at Probes or Move Away
from the Drive Stun**

History – During Demo of CODS

- **Trying to hold down a struggling student I accidentally angled the cartridge's end and**
- **Student locked up with NMI**
- **After looking at the video I could see NMI occurred when cartridge was angled**
- **Tested on Target – To see effect**

Angled Drive Stun Demo



Tested ADS for a year during classes

- **Noted Signature Marks during test to check flow patterns**
- **Currently ADS is taught to all King County Sheriff's Office Deputies during Recert, User and Instructor Classes**
- **Taser User Reports verify ADS increased NMI and Successful Taser Uses**

How to tell when ADS is needed during Cartridge On – Drive Stun

- **Lower or Upper Body continues to move during deployment**
- **Head movement and ability to talk**
- **Reaching for or grabbing at Taser/Probes Location**
- **If prone starting to get up off the ground**
- **Obviously no signs of NMI**

Cartridge On – Angled Drive Stun

- **Deploy Cartridge On-Drive Stun in normal manner**

- **Move Cartridge End to a flat area of body if possible**

- **Rock to Top Right or Lower Left**

Training Video- Angled Drive Stun



Video of Target Training



Taser Targets Demo of ADS

- **Taser Target with cardboard backing (to protect floor)**
- **Start with room lights on**
- **Deploy Cartridge direct contact or about 2 inches from target**

Turning X-26 Taser to OO

Can see arcing better with

Laser and Low Light turned off

Taser Targets Demo of ADS

- **Spark Taser for a couple seconds and note arcing**
- **Move Taser to next location and keep flat**
- **Spark Taser for couple seconds and ask students where's the current flowing ?**
- **You'll most likely see arcing at**
Probe ends only or
Cartridge end only
- **Next start a 5 second cycle with cartridge flat and rock it to Top Right and Lower Left**

Taser Targets Demo of ADS

- **You'll note that arcing at some point with travel across target from probes to cartridge**
- **Repeat at NMI Point – Let students practice**
- **Remember to turn Low Light and Laser back on**

Questions ?

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