TASER® International

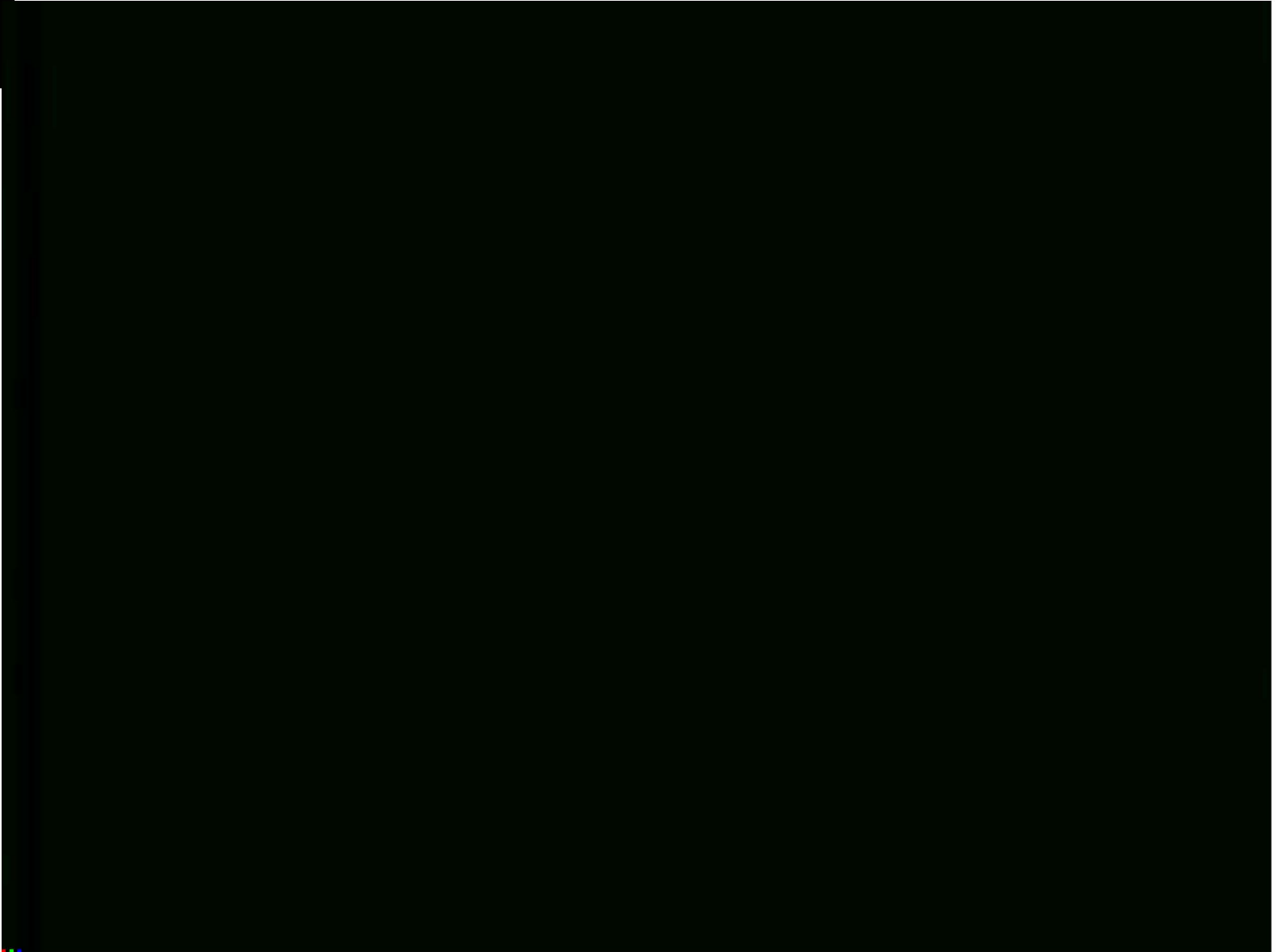## COMMAND STAFF DEMO

ADVANCED TASER M26

VERSION 1.0, June 2001

REDUCE OFFICER AND SUSPECT INJURIES BY STOPPING THREATS FROM A SAFE DISTANCE

DESIGNED TO FILL THE VOID BETWEEN HANDS ON AND OC SPRAY
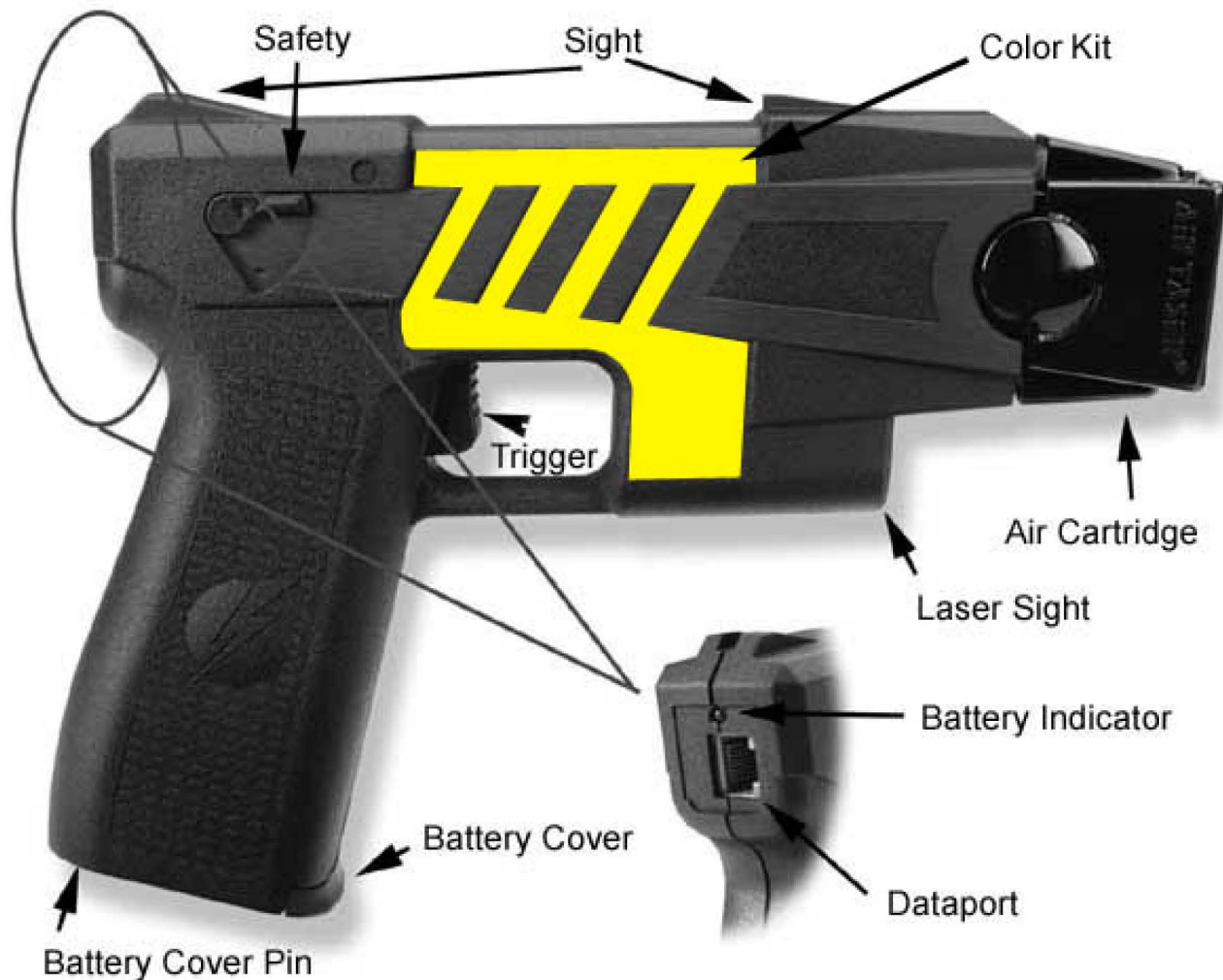
MYTHS & URBAN LEGENDS

➢ *Not*

    not

    not

ADVANCED TASER M-26

Constructed of impact resistant sonic welded polymer.

Safety

Sight

Color Kit

Trigger

Air Cartridge

Laser Sight

Battery Indicator

Battery Cover

Dataport

Battery Cover Pin
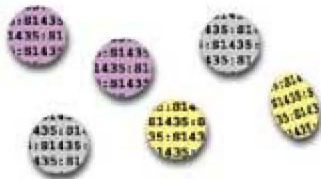
How The TASER Works

-
-
-
-

Stun vs. EMD

7 Watts:
Stun

Weapon Management Technologies

AFID Tags
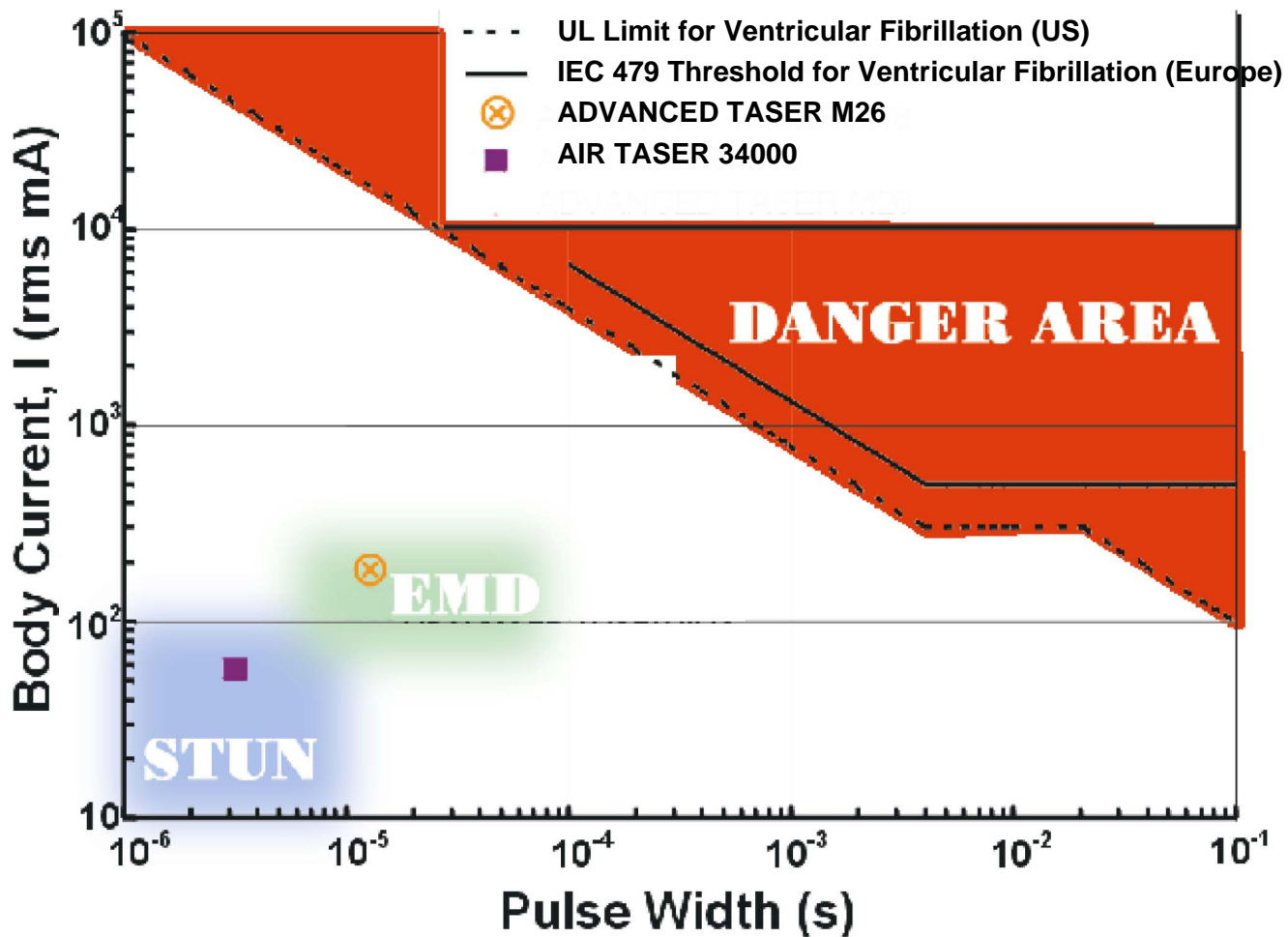(Actual Size)

- Dataport

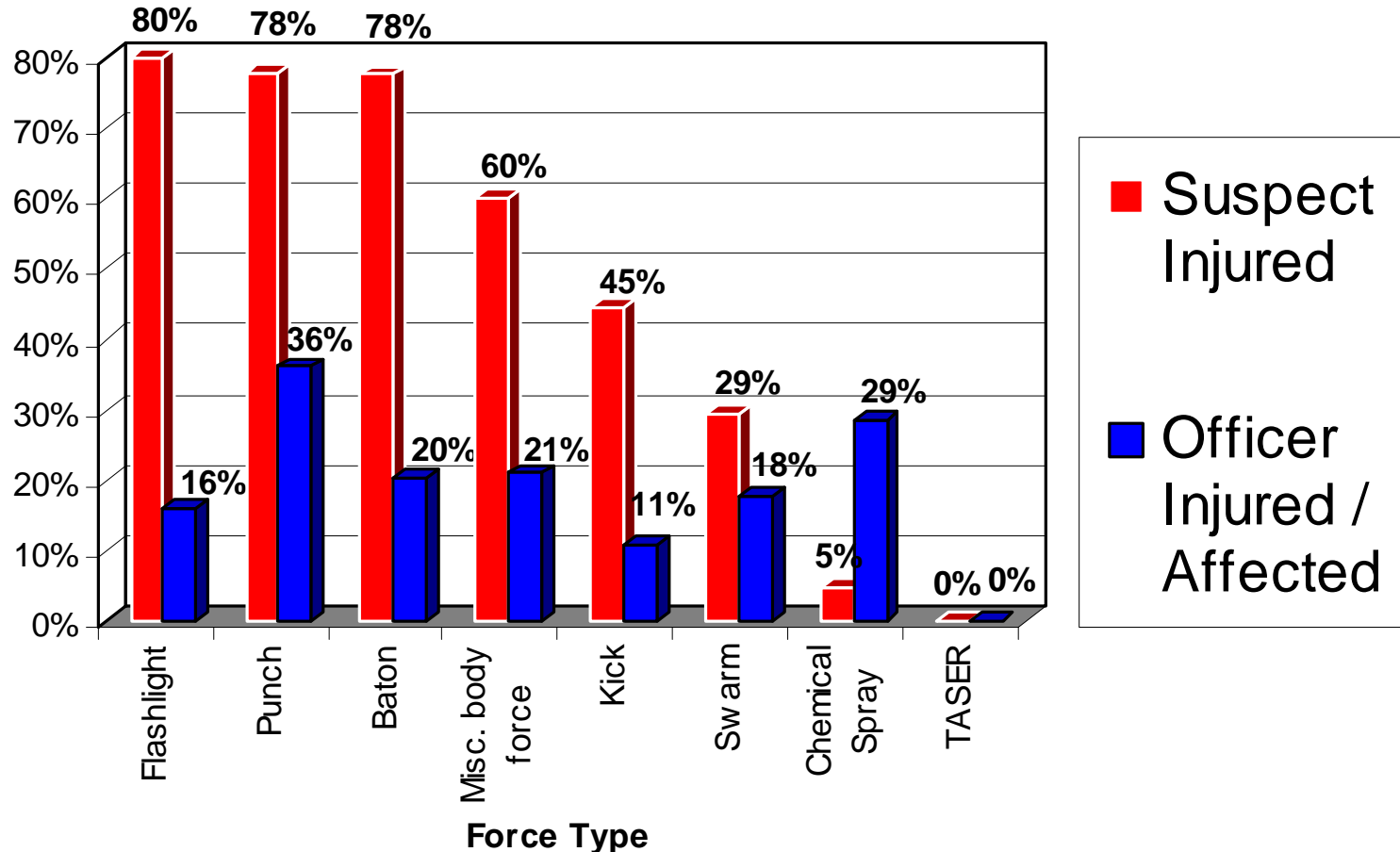- AFID ID Tags

Automatic Timing Cycle

Medical Safety

Medical Finding
Heart/Drugs/Pacemakers

Comparison of Injuries
TASER Technology Reduces Injuries

Legend: ■ Suspect Injured · ■ Officer Injured / Affected

| Force Type	Suspect Injured	Officer Injured / Affected
Flashlight	80%	16%
Punch	78%	36%
Baton	78%	20%
Misc. body force	60%	21%
Kick	45%	11%
Swarm	29%	18%
Chemical Spray	5%	29%
TASER	0%	0%

Source: Study of Use of Force at Los Angeles Police Department, Greg Meyer. Statistics are for 7-Watt TASER technology deployed at LAPD.

Original Study Available at http://home.earthlink.net/~gregmeyer/injury.html on the internet.

RCMP Testing of M26
Pain versus incapacitation
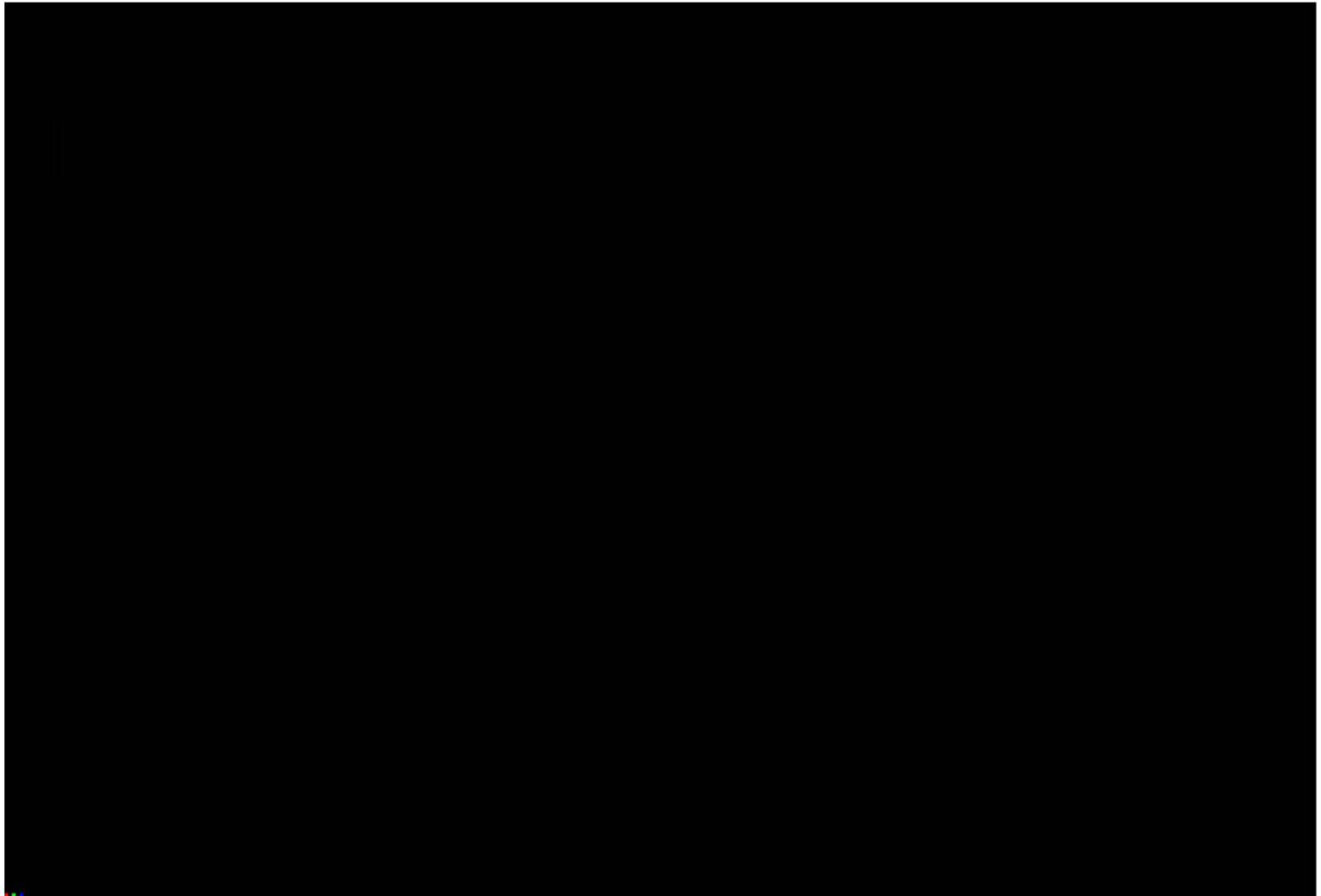
Aftereffects

Los Angeles Sheriffs
Analysis of Potential Savings

Potential liability savings:

$2,500,000

Proven Success

Use-of-force breakdown for the
Orange County Sheriff's Office (Florida)

|	1999	2000	2001	2002**	
Chemical force	300	263	221	64	**Down 79%**
Physical force	78	75	52	29	**Down 63%**
Firearms	5	13	4	0	**Down 78%**
K9	62	60	48	29	**Down 53%**
Impact weapons	27	21	13	5	**Down 81%**
Impact munitions	0	1	2	0	-
Taser	0	3	228	201	68% of all force
Total*	410	383	527	295	295

NOTE: Impact weapons include batons, nightsticks and truncheons.
Impact munitions include bean-bag rounds.
* The total can include more than one type of force used during an incident.
** Reports filed through Friday.
SOURCE: Orange County Sheriff's Office
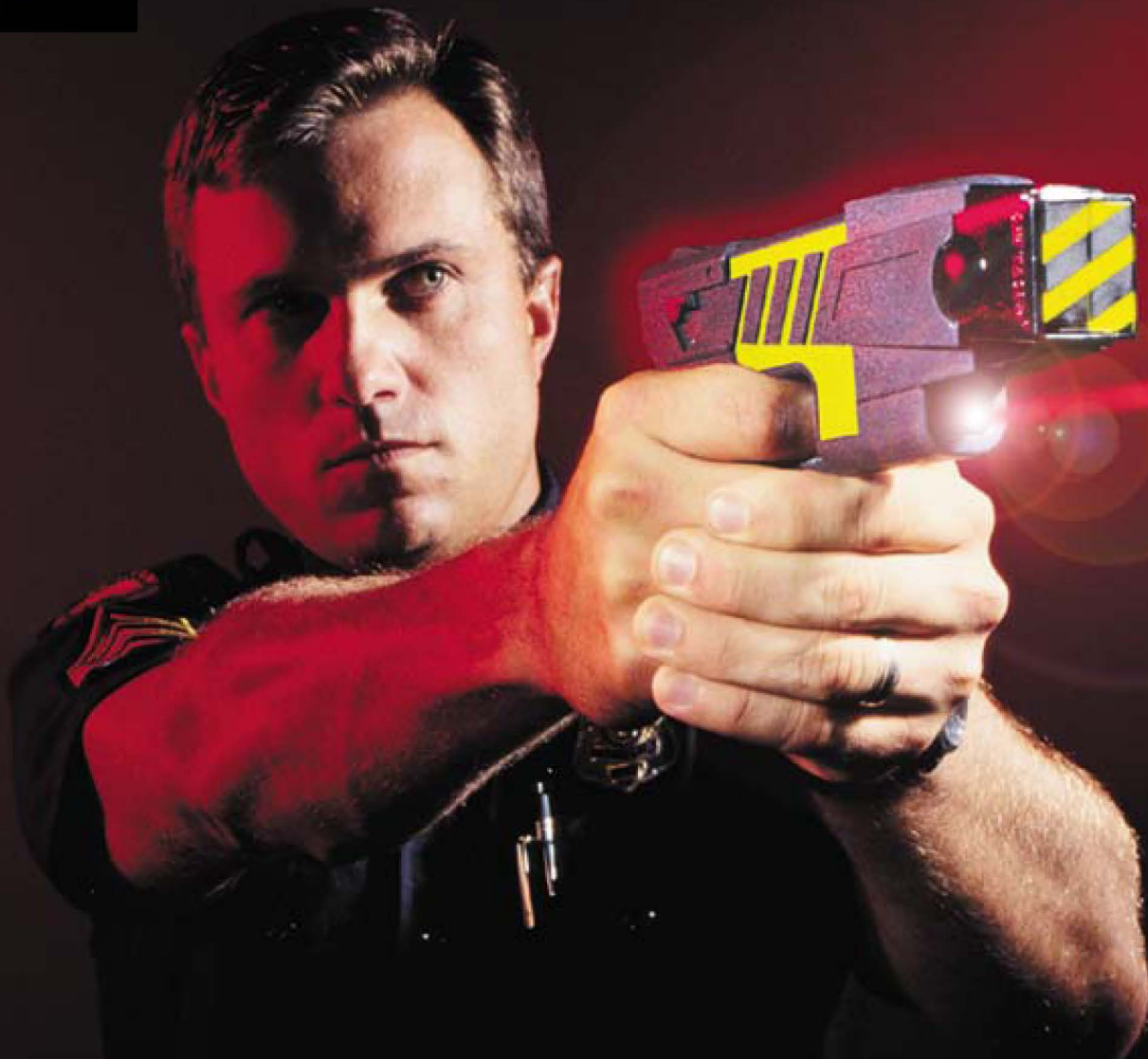
Chief Instructor Hans Marrero and

Steve Tuttle, Director of Gov't & Law Enforcement

DID WE ACCOMPLISH OUR MISSION TO:
"REDUCE OFFICER AND SUSPECT INJURIES BY STOPPING THREATS FROM A SAFE DISTANCE?"

Success Percent by Level of Firing

Percent Successful: **93.08%**

                                           92.61%

                                           98.00%

                                           100%

                                           85.51%

Distance of Firings

8.43%
36.29%
35.88%
18.95%
.04%

Success Percent by Distance of Firing

Distance   **# of Incidents**   **Success Rate**

Length of discharge

Number of probes that hit the suspect

Type of Incident Involving the Use of M26

Threats Involved

Types of Weapons Used by Suspects

Suspect's Influence

EDP   **34.15%**

Alcohol   **42.86%**

Type of Incident Involving the Use of M26

Failures in Stun Gun Mode

56.25%

12.50%

6.25%

25.00%

Failures when Darts Deploy

2.38%

2.38%

2.38%

2.38%

2.38%

4.76%

4.76%

4.76%

9.52%

11.90%

16.67%

35.71%

Total of All Failures

1.67%

1.67%

1.67%

1.67%

3.33%

3.33%

3.33%

6.67%

6.67%

8.33%

10.00%

25.00%

26.66%

Location of Use

Indoor + Jails   207   49.29%

Injuries to Suspects

Minor   56   13.56%
(Puncture wounds from probes & misc. cuts)

Moderate   5   1.21%
(Abrasion, skinned knee, carpet burn, testicle shot, penis shot, cut to mouth, cuts from falling onto glass)

Severe   3   0. 73%
(Dog bites, self-infliction, officer battle)

None   349   84.50%

Injuries to Officers

Minor	**20**	**4.76%**
Moderate	**1**	**0.23%**
Severe	**0**	**0%**
None	**399**	**95%**

Reno Police Use Quote

Comparison of Injuries
TASER Technology Reduces Injuries
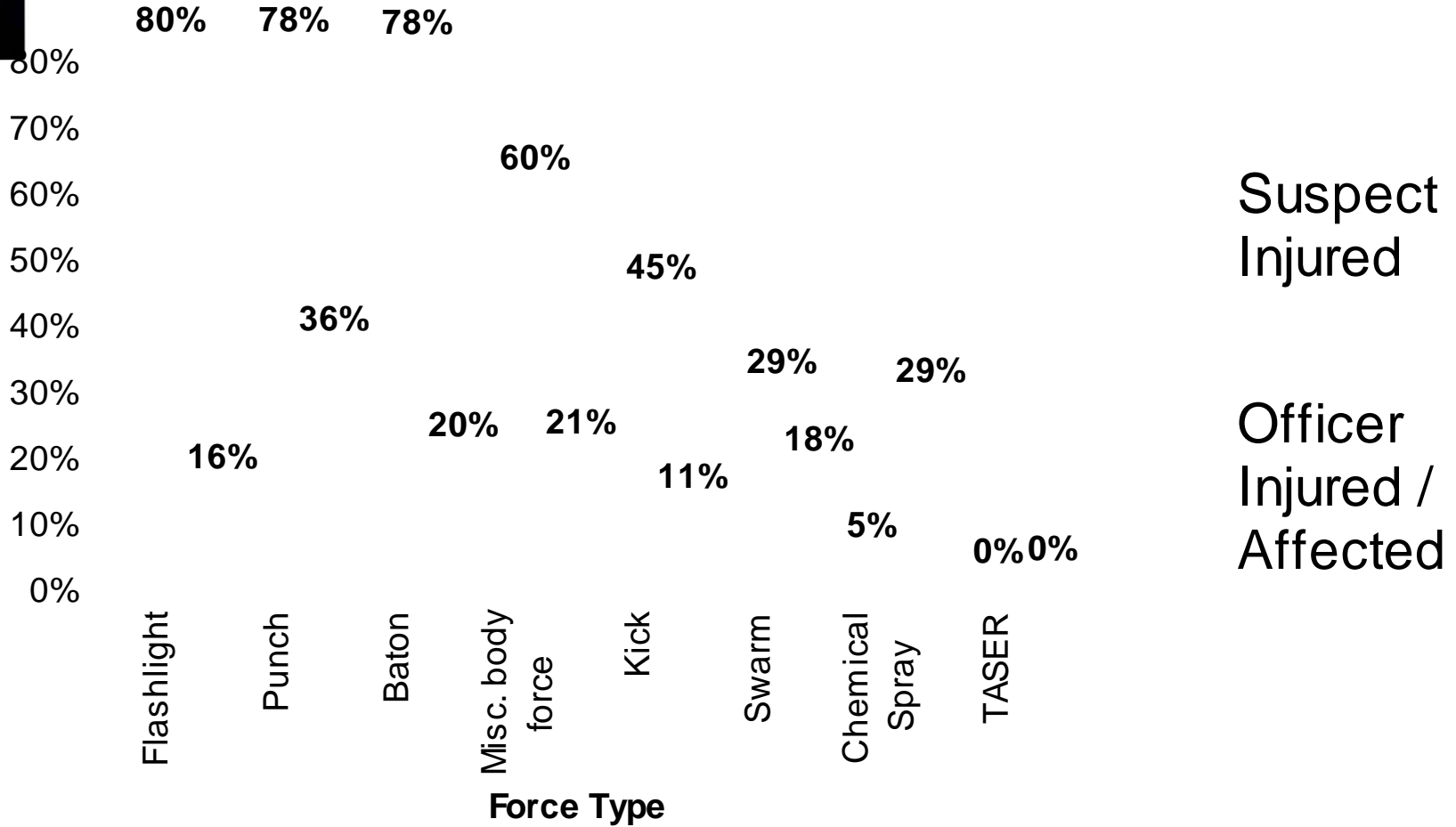
Force Type	Suspect Injured	Officer Injured / Affected
Flashlight	80%	16%
Punch	78%	36%
Baton	78%	20%
Misc. body force	60%	21%
Kick	45%	11%
Swarm	29%	18%
Chemical Spray	29%	5%
TASER	0%	0%

DID WE ACCOMPLISH OUR MISSION TO:
"REDUCE OFFICER AND SUSPECT INJURIES BY STOPPING THREATS FROM A SAFE DISTANCE?"
YES

TASER® International, Inc.

Troubleshooting and Tactics

ADVANCED TASER® M26

RMCP MASTER INSTUCTOR BETA

Overview

In-Custody Deaths

In-Custody Deaths

In-Custody Deaths
Hamilton, OH

In-Custody Deaths Hollywood, FL

In-Custody Deaths
Philadelphia, PA

In-Custody Deaths
Nassau Co, FL

In-Custody Deaths

In-Custody Deaths

Troubleshooting
Perceived Field Failures

Failure Checklist

Case 1: Interpretation

Case 1: Interpretation

Case 1: Review

Case 1: Review

Case 2: Interpretation

Case 3: Interpretation

Troubleshooting
the M26

M26 Troubleshooting

Problem:

Possible cause:

Possible solution:

M26 Troubleshooting

Problem:

Possible cause:

Possible solution:

M26 Troubleshooting

Problem:

Possible cause:

Possible solution:

M26 Troubleshooting

Problem:

Possible cause:

Possible solution:

M26 Troubleshooting

Problem:

Possible cause:

Possible solution:

M26 Troubleshooting

Problem:

Possible cause:

Possible solution:

M26 Troubleshooting

Problem:

Possible cause:

Possible solution:

M26 Troubleshooting

Problem:

Possible cause:

Possible solution:

M26 Troubleshooting

Problem:

Possible cause:

Possible solution:

M26 Troubleshooting

Problem:

Possible cause:

Possible solution:

M26 Troubleshooting

Problem:

Possible cause:

Possible solution:

Cartridge Troubleshooting

Problem:

Possible cause:

Possible solution:

Cartridge Troubleshooting

Problem:

Possible cause:

Possible solution:

- Tape doors in place using Scotch tape and use cartridge for TRAINING ONLY

Troubleshooting Dataport

Dataport Troubleshooting

Problem:

Possible cause:

Possible solution:

Dataport Troubleshooting

Problem:

Possible cause:

Possible solution:

# **Dataport Troubleshooting**

Problem:

Possible cause:

Possible solution:

Dataport Troubleshooting

Problem:

Possible cause:

Possible solution:

Dataport Troubleshooting

Problem:

Possible cause:

Possible solution:

Dataport Troubleshooting

Problem:

Possible cause:

Possible solution:

Dataport Troubleshooting

Problem:

Possible cause:

Possible solution:

Dataport Troubleshooting

Problem:

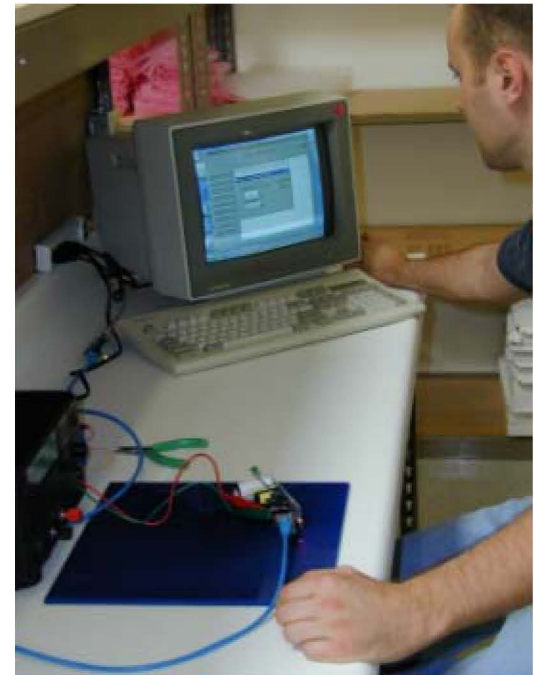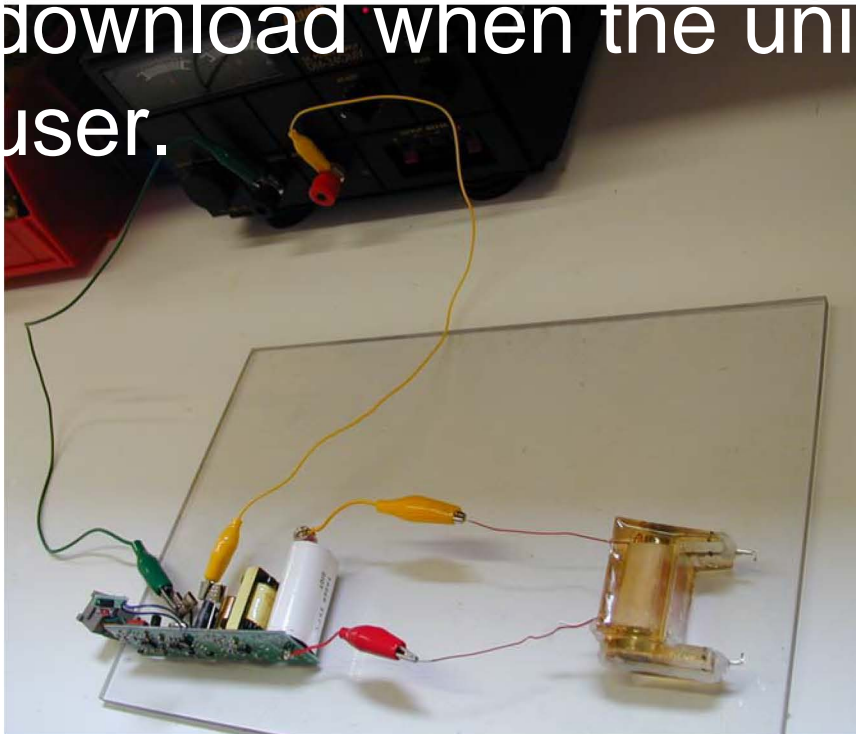Possible cause:

Possible solution:

TASER Quality Control
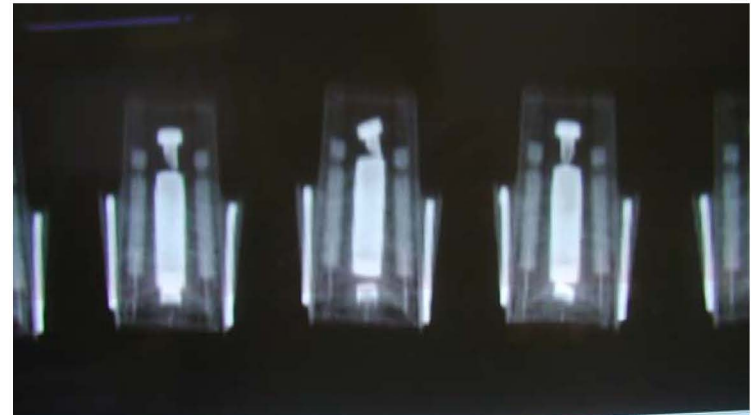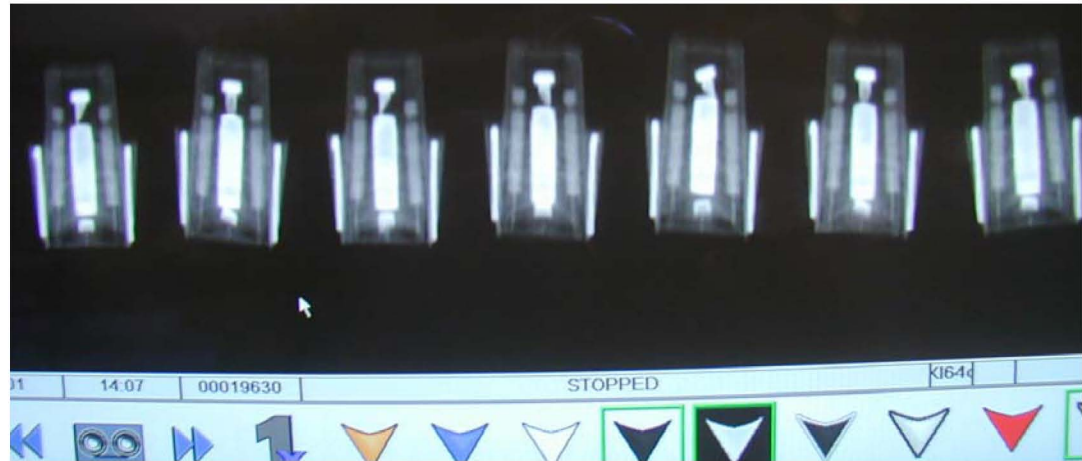
Quality Control
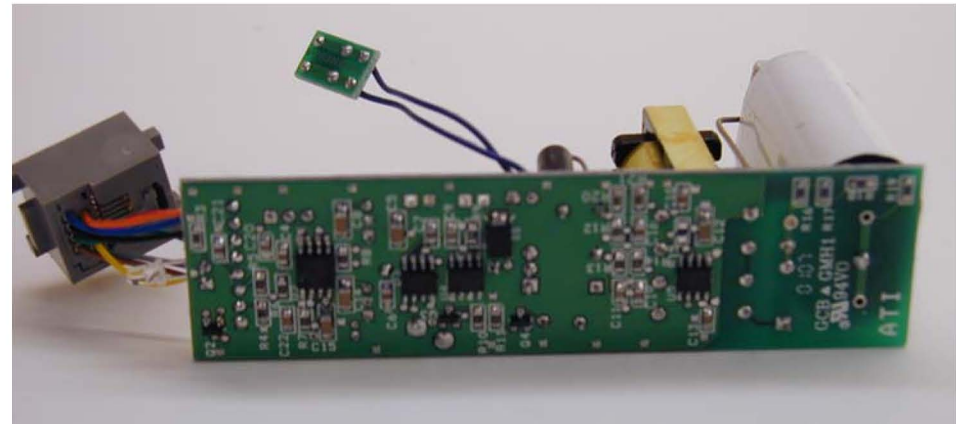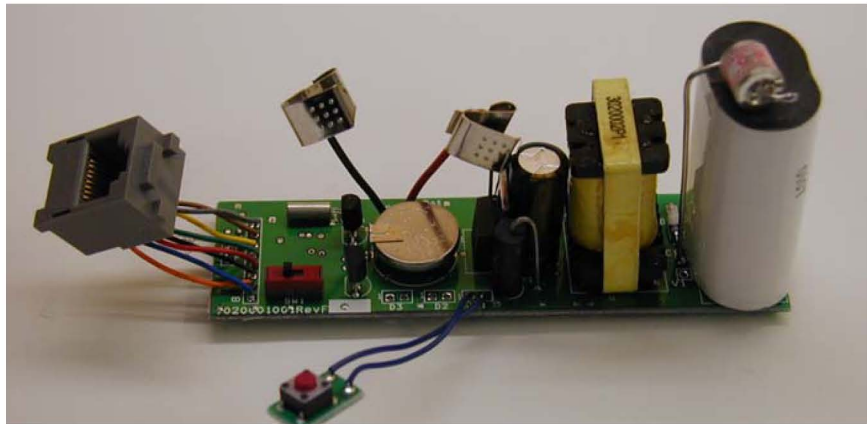
Quality Control

download when the unit
user.

Quality Control

Electrical Theory

Electrical Output Analogous to Water Flow

The Variables

Batteries

Flow = Amperage

168 mA

Pressure = Voltage

50,000 V

Mass & Pressure of Pulse = Energy

1.76 Joules

Capacitor

Energy per pulse & # per second = Power

26 Watts

Low Battery = Low Pulse Rate

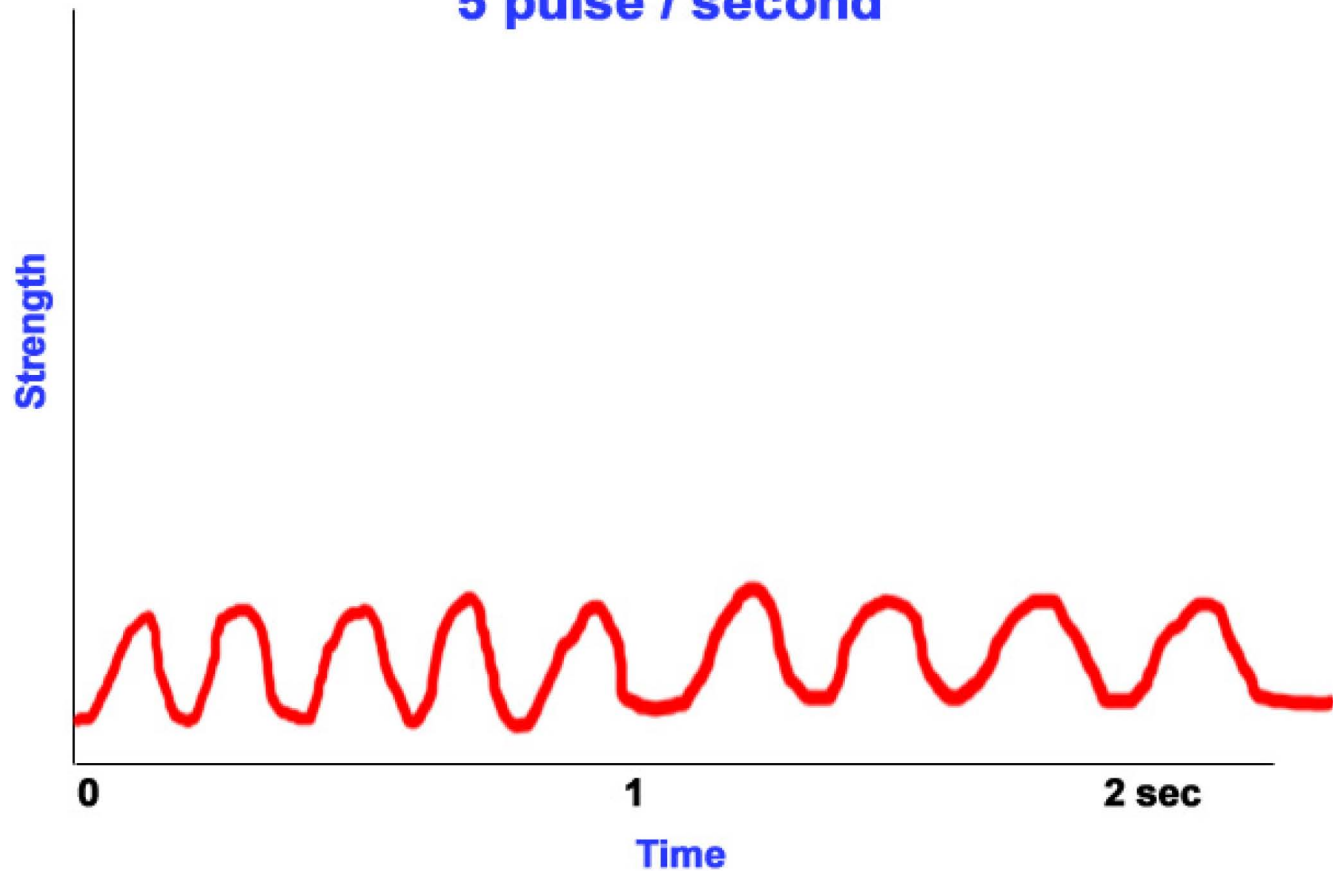# Strong Battery = High Pulse Rate

EMD vs. Stun: Stronger Pulses
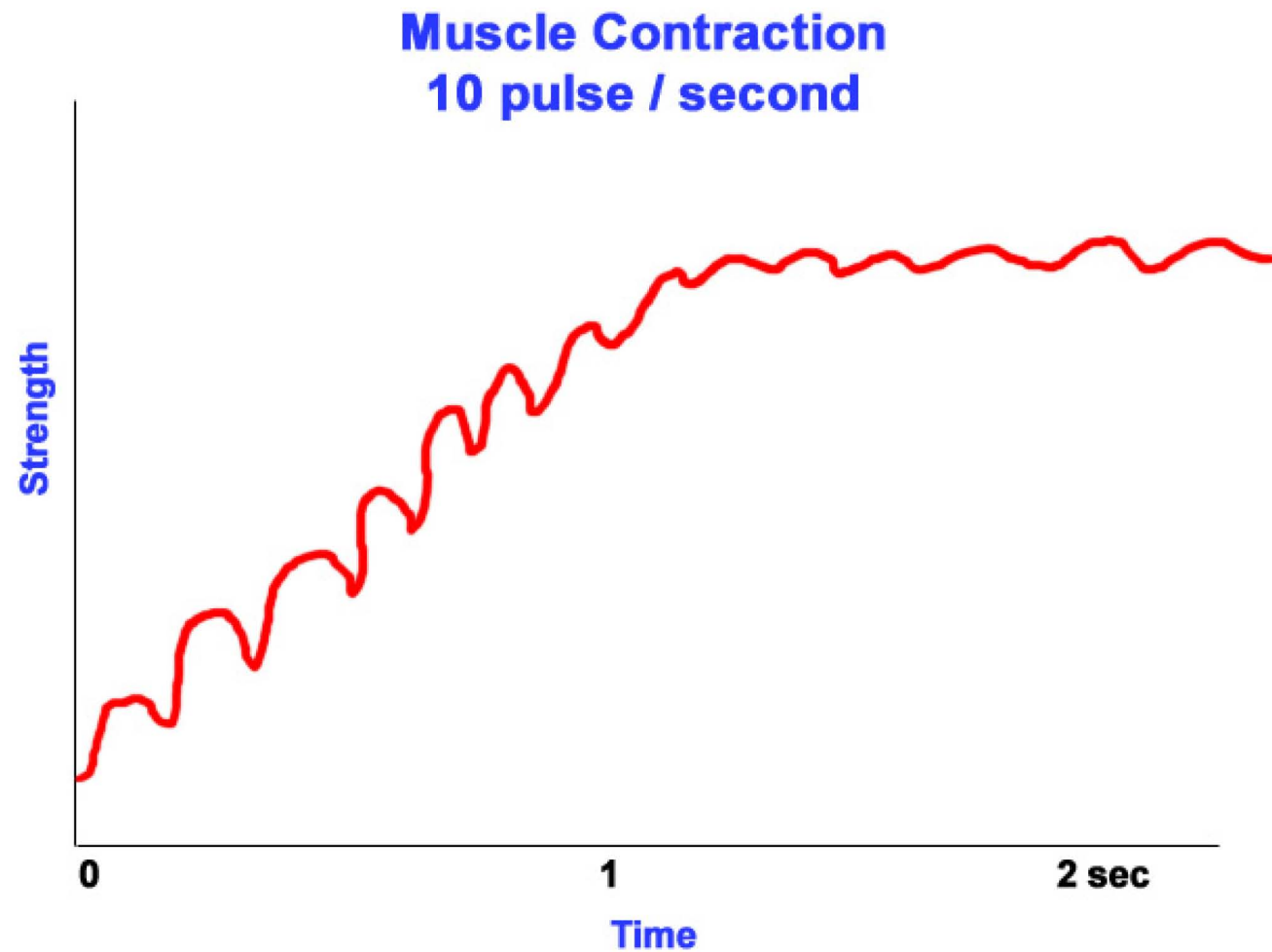
7-Watt Stun   **26 Watt EMD**

Why Pulse Rate is Important

Muscle Contraction
10 pulse / second

Strength

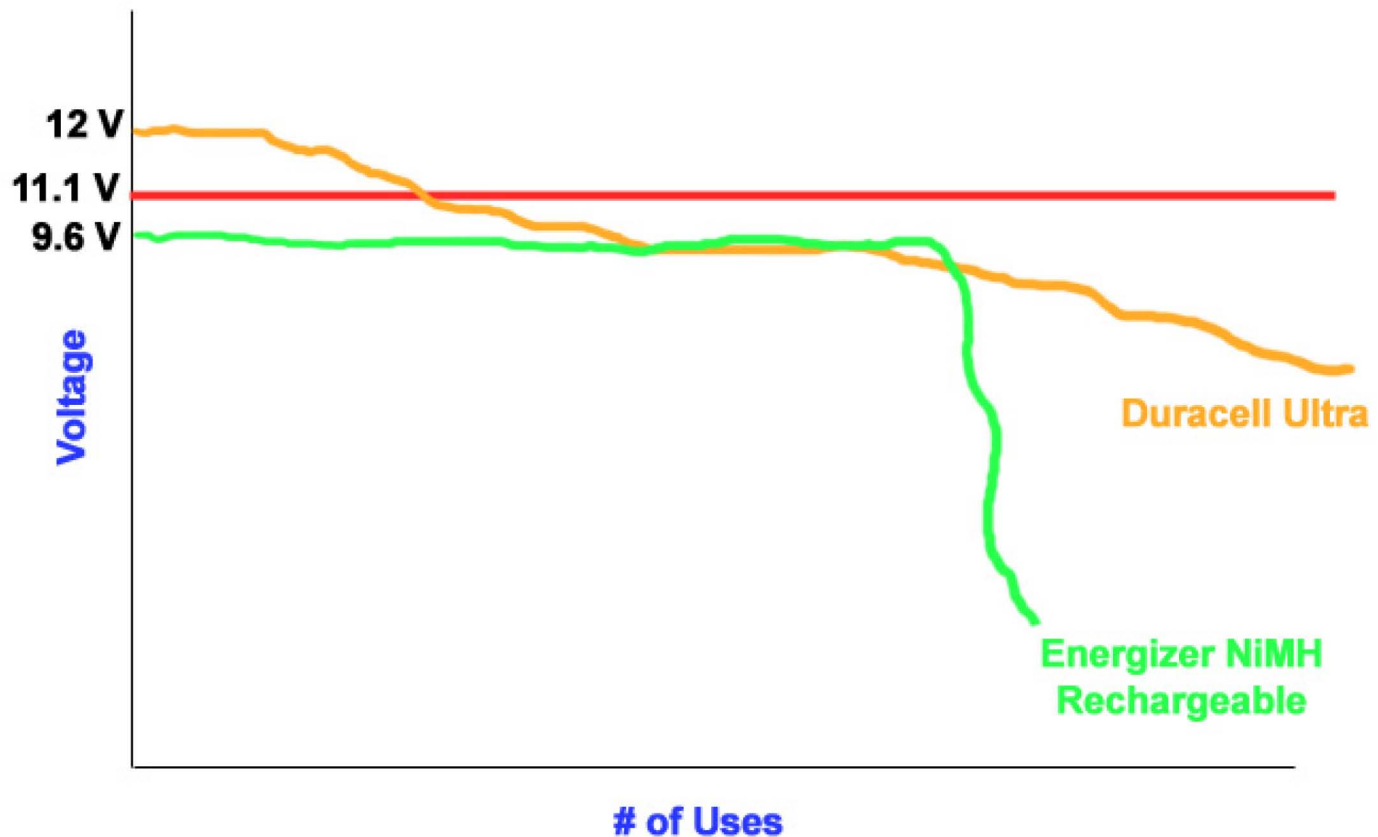0   1   2 sec

Time

Why Battery Indicator is only for Alkaline Batteries

Battery Indicator

NiMH's Perform Better Over Time

Power Output

Power

# of Uses

10   100

Duracell Ultra

Energizer NiMH Rechargeable
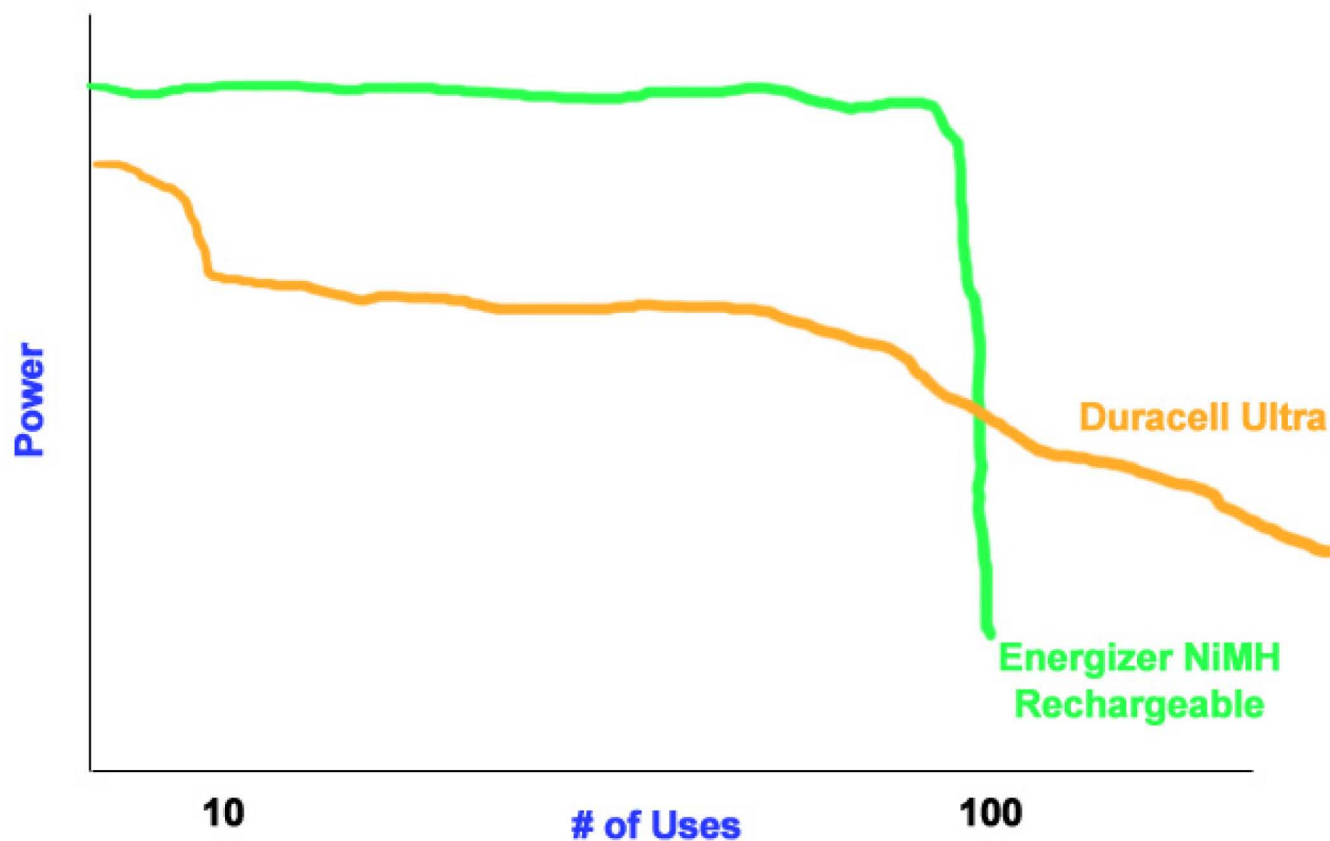
NiMH's Perform Better at Low Temperatures

Power Output By Temperature Range
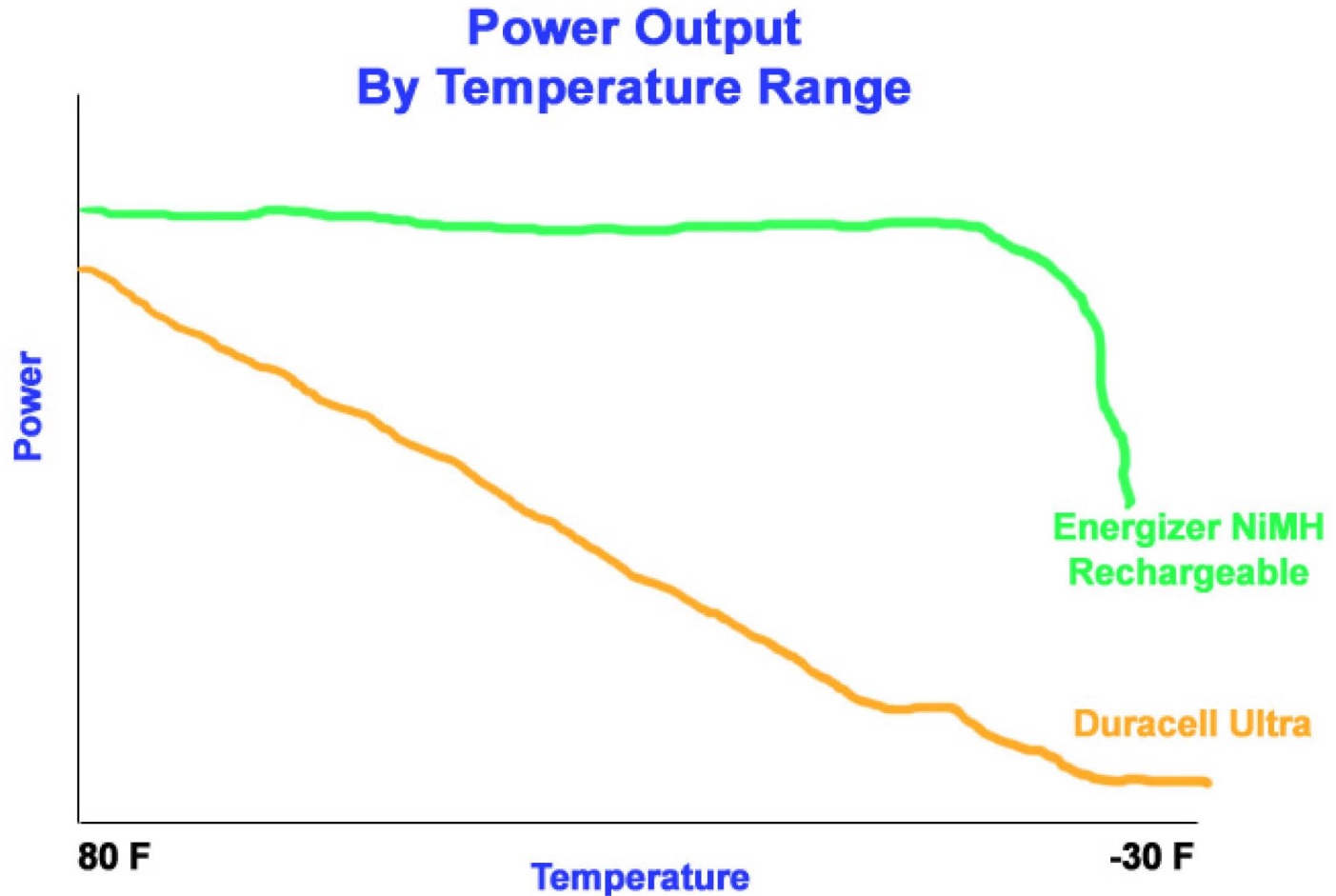
TASER International

Ausbildungspräsentation

ADVANCED TASER M-26

Version 8.0, Stand 25.06.2002

Übersicht

Sicherheitsregeln
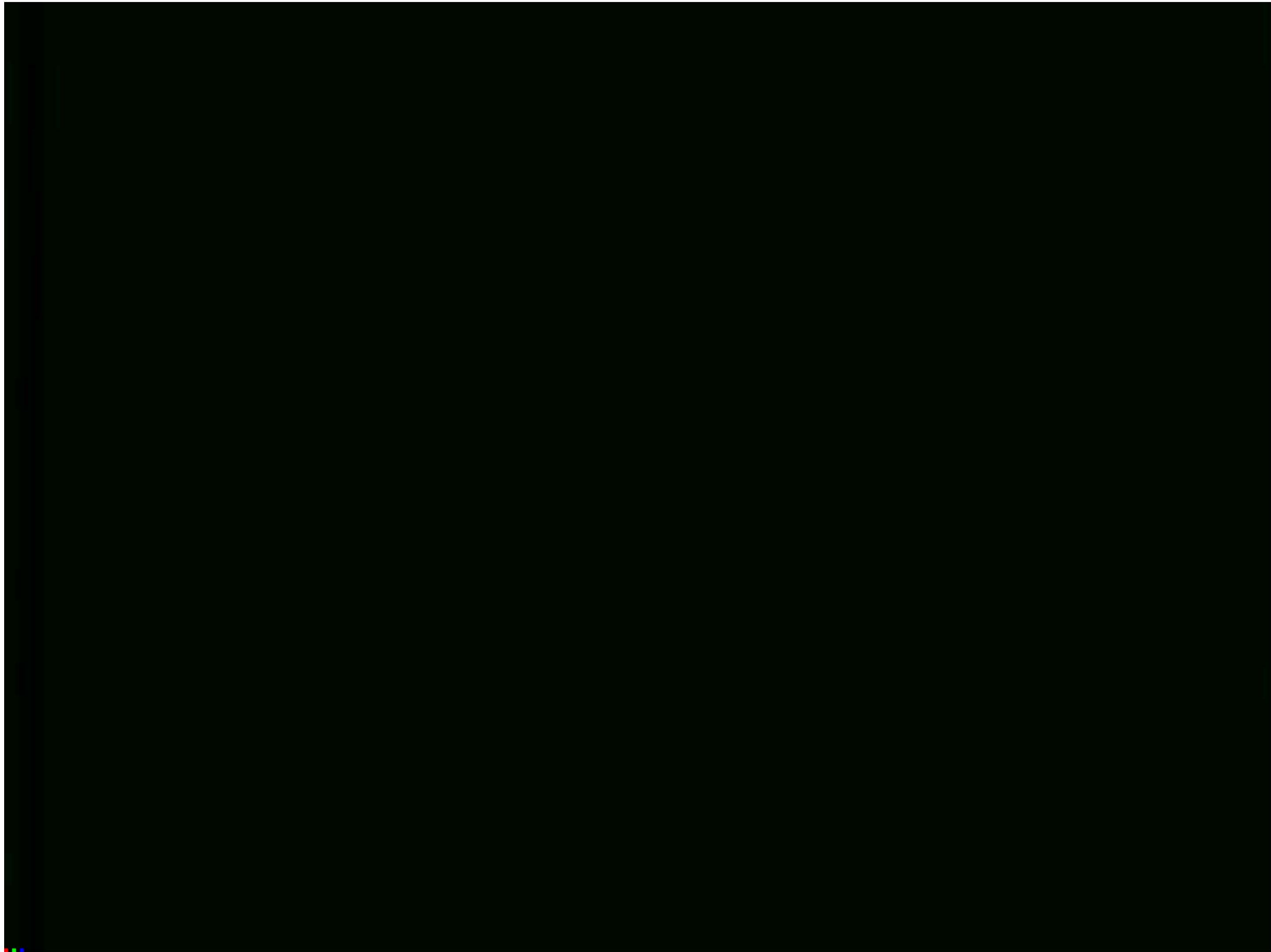
Warum ADVANCED TASER?

ZIEL:

VERRINGERN DER VERLETZUNGSGEFAHR FÜR DEN BEAMTEN UND DEN TÄTER DURCH STOPPEN VON BEDROHUNGEN AUS SICHERER ENTFERNUNG.

ADVANCED TASER

Der ADVANCED TASER ist kein Ersatz für den Schußwaffengebrauch.

Der ADVANCED TASER hat die größte Wirkung auf die Sicherheit der Einsatzkräfte, wenn er bereits den Streifenbeamten zur Verfügung steht, die als erste vor Ort sind.

Handwerkszeug für den Streifenbeamten

Das Waffensystem im Überblick

Definitionen

Geschichte der Taser-Technologie

Weshalb es funktioniert

Das

Das Nervensystem stören

Jamming the Nervous System

Nervensignal or
oder "Hirnwelle"
Brain Wave"
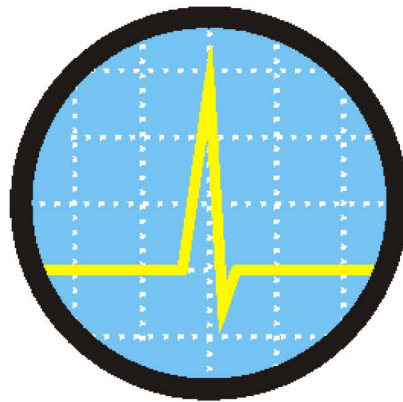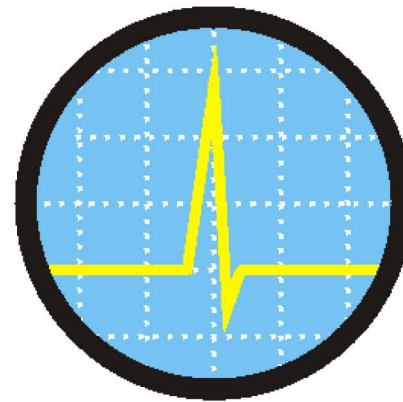
TASER-Welle or
oder T-Welle
T-Wave

Weshalb es funktioniert

Schocker gegen EMD

- **Elektroschocker**

  nur das sensorische Nervensystem betroffen.

- **EMD**

  Der ADVANCED TASER **beeinflußt sowohl das sensorische als auch das motorische Nervensystem**

Schocker gegen EMD

Zentrales Nervensystem

Schaltzentrum (Gehirn und Rückenmark), verarbeitet Informationen und trifft Entscheidungen.

Sensorisches Nervensystem

Nerven, die Informationen von den Sinnen zum Gehirn transportieren. Berührung, Temperatur, etc.

Schocker wirken auf diese Nerven.

Motorisches Nervensystem

Nerven, die die Befehle vom Gehirn zu den Muskeln transportieren, um die Bewegungen zu kontrollieren.

EMD-Systeme beeinflussen sowohl das sensorische als auch das motorische Nervensystem.
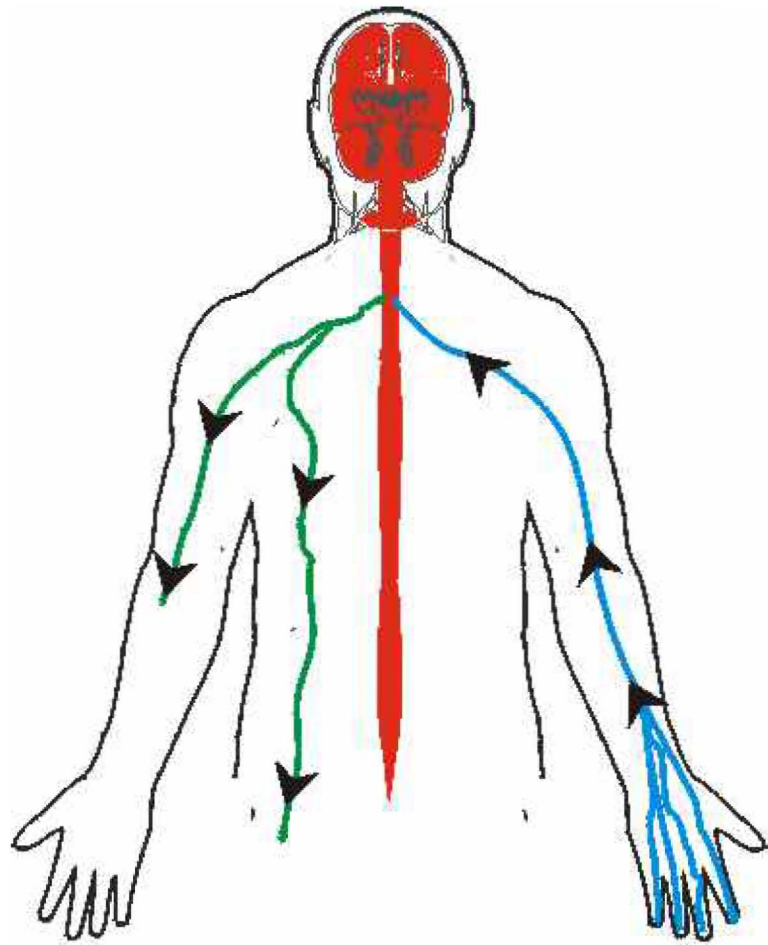
Schocker gegen EMD

Schocker gegen EMD

Wie es funktioniert

Oberer Pfeil: Waagerecht
Top: 0 Degree Straight

2. Pfeil: 8° nach Unten
2nd Probe 8 Degree Down Angle

Wie es funktioniert

Rule of Thumb: 1 foot of spread for every 7 feet

Wirksam in Nahdistanz

Kontakt	215	92.09%
0,3 – 1 Meter	81	97.53%
1 – 2,1 Meter	269	95.54%

TASER-Welle
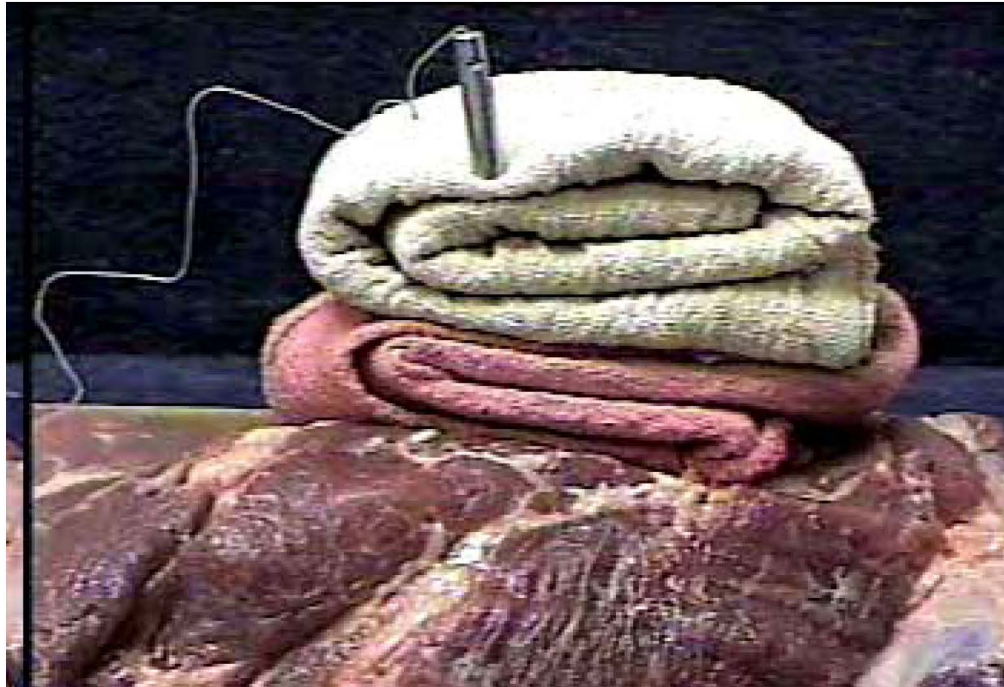
Wirkung auf Schutzweste

Elektrische und medizinische Aspekte

Elektrische Daten M-26

Elektrische Theorie

Medizinische Sicherheit

Medizinische Ergebnisse bzgl. Herzschrittmachern

Medizinische Ergebnisse bzgl. Herzversagen/Drogen

Verhalten der betroffenen Täter beeinflußt durch:

- **Alkohol** 37,5%
- **Geistige Verwirrung** 23,0%

Täter unter PCP

Der ADVANCED TASER ist nicht von der Schmerzwirkung abhängig, um das Aufgeben des Täters zu erreichen.

Vergleich der Verletzungen
TASER reduziert Verletzungen

80%
78%
78%

80%

70%

60%

60%

50%

45%

Täter
verletzt

40%

36%

30%

29%
29%

Anwender
verletzt

20%
16%

20%
21%
18%

11%

10%
5%

0%
0% 0%

Stablampe | Faustschlag | Schlagstock | sonst körperl Gewalt | Fußtritt | Schwarm | Pfefferspray | TASER

Einsatzmittel
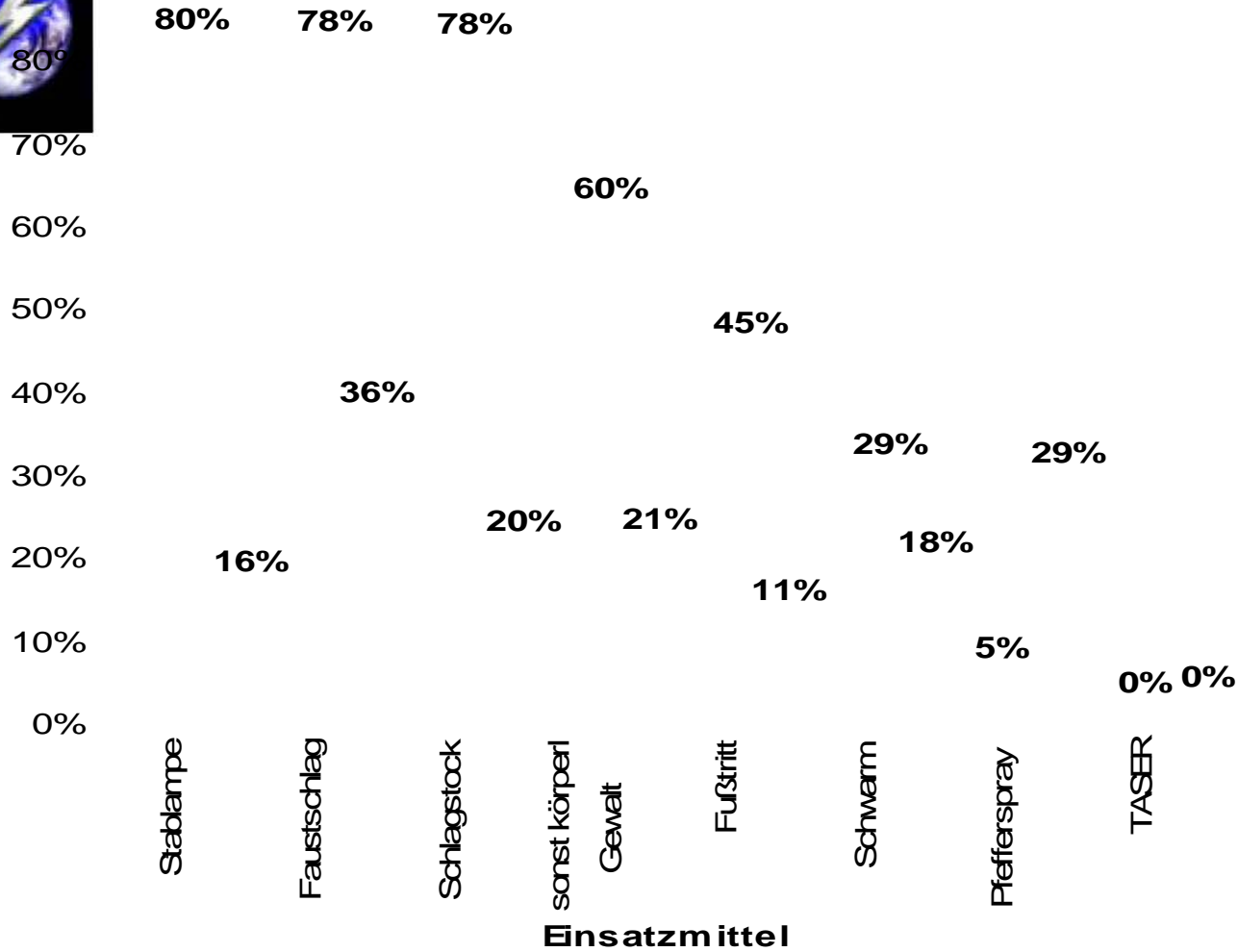
ADVANCED TASER-Tests der kanadischen Polizei
Vergleich: Schmerz gegen Muskelimpulse
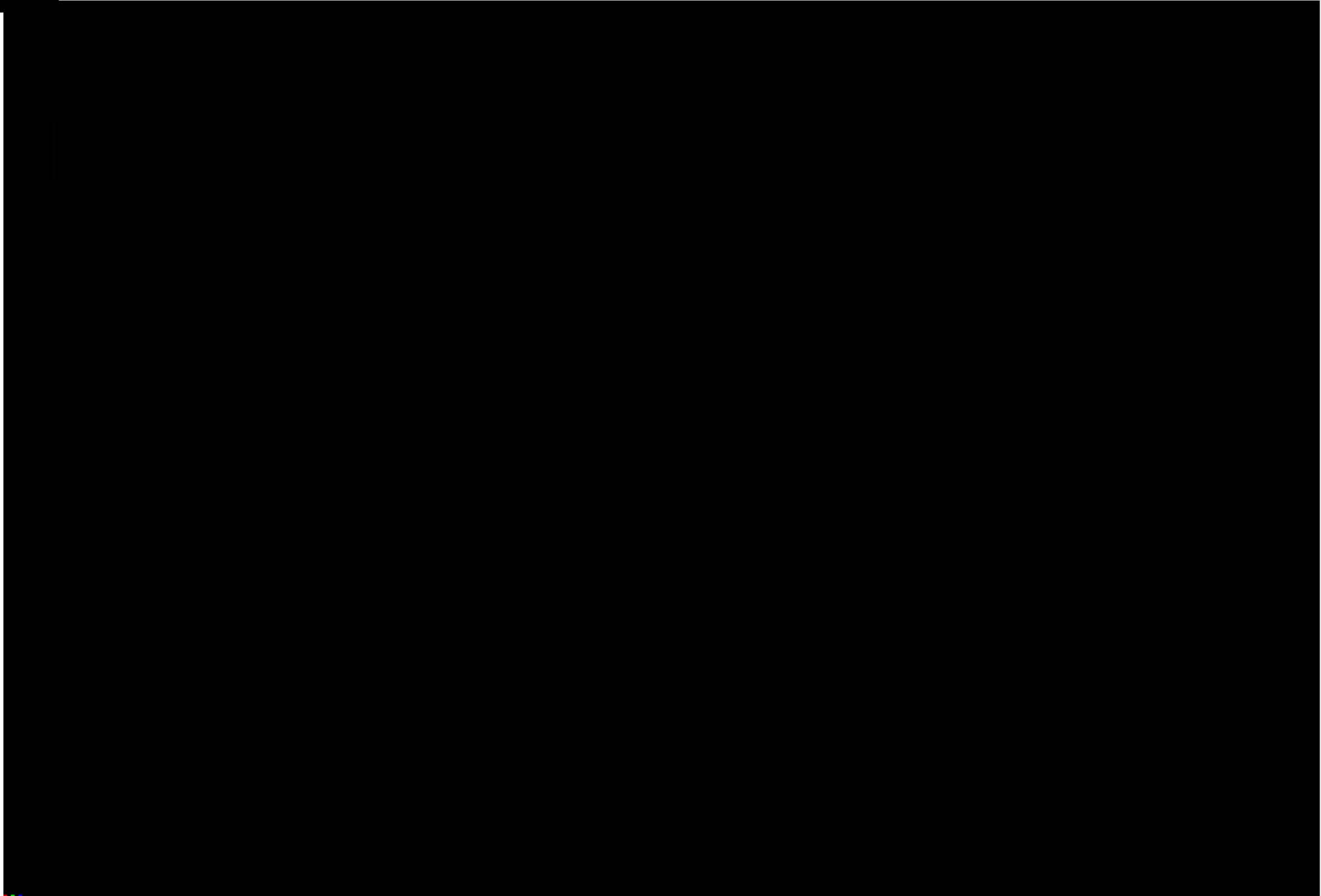
Medizinische Zusammenfassung
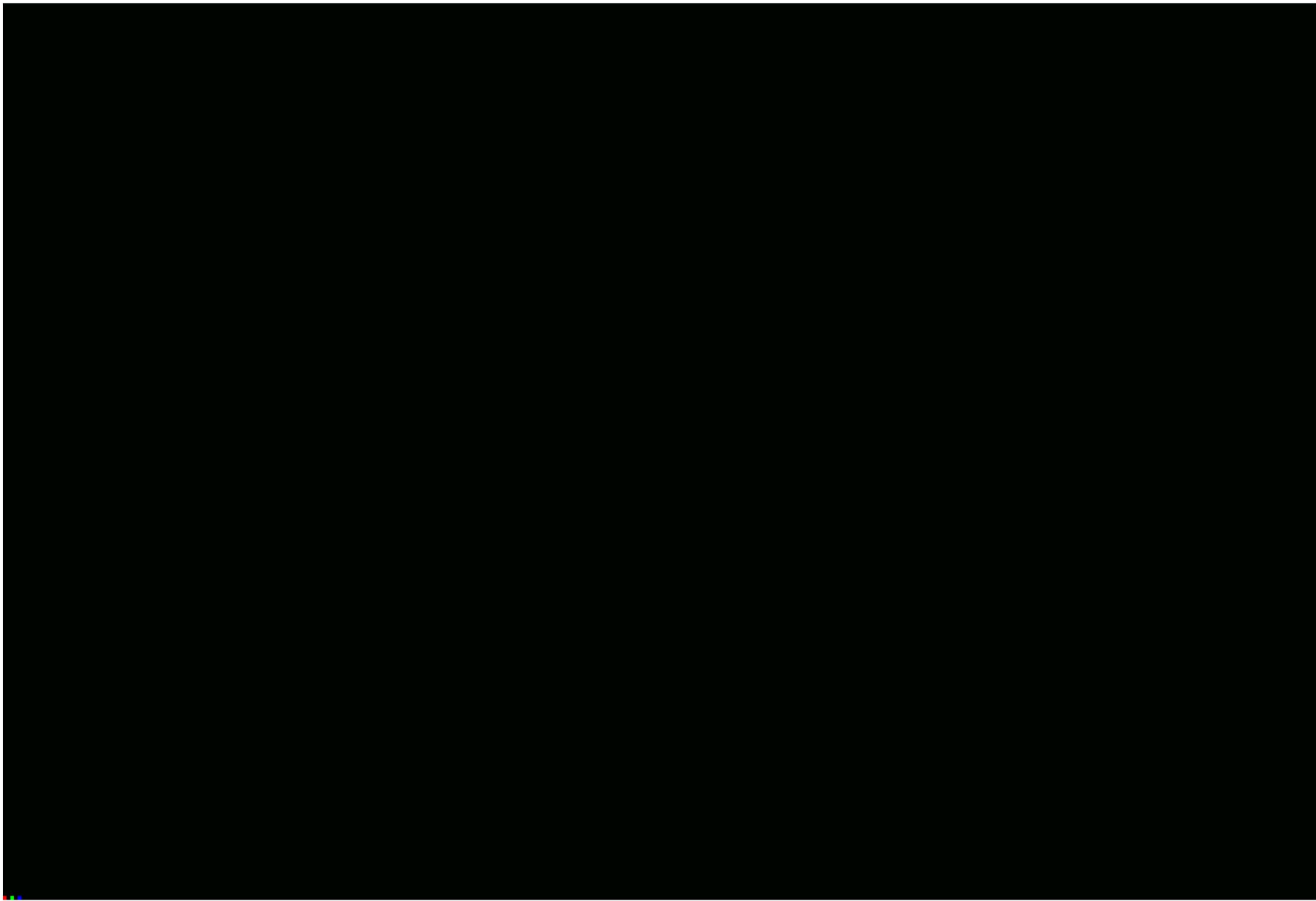
ADVANCED TASER
Das Gerät

ADVANCED TASER M-26

Hergestellt aus schlagfestem Polymer

Sicherung

Visierung

Optionale Farbmarkierung

Abzug

Kartusche

Laserzielgerät

Batterieladestandsanzeige

Batteriefachdeckel

M-26: Dataport

Batteriefachdeckelsperre

Sicherung / Abzug

↘ **gesichert**
  (Aus)
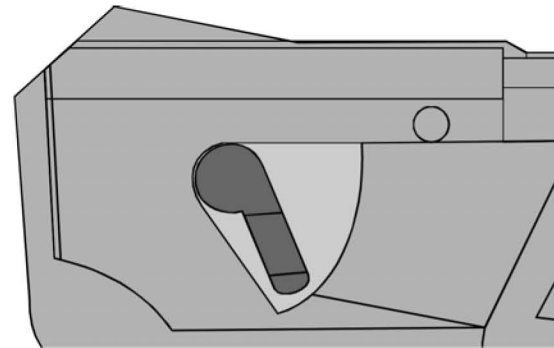
↘ **entsichert**
  (Eingeschaltet,
  Laser an)

Ladestandsanzeige

LED
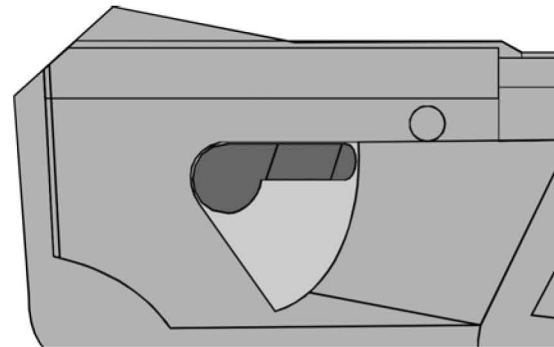
nicht NiMH-Akkus

Überprüfen, ob Batterien richtig eingelegt sind (+/-)

Ladestandsanzeige nur für alkalische Duracell® Ultra

Battery Indicator

Voltage

12 V
11.1 V
9.6 V

Duracell Ultra

Energizer NiMH Rechargeable

# of Uses
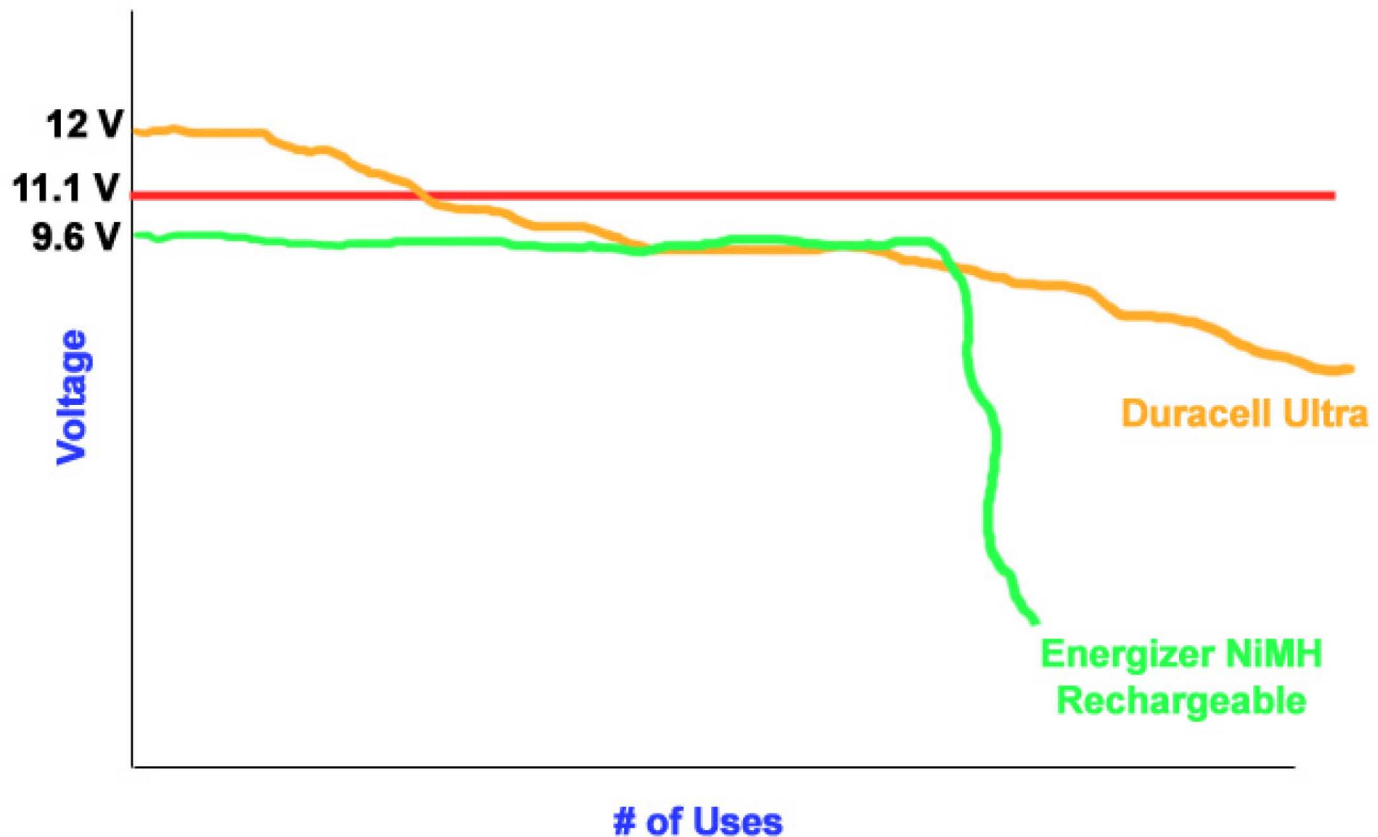
Batterie-Test für NiMH-Akkus

Kartuschentypen

Kartuschentypen
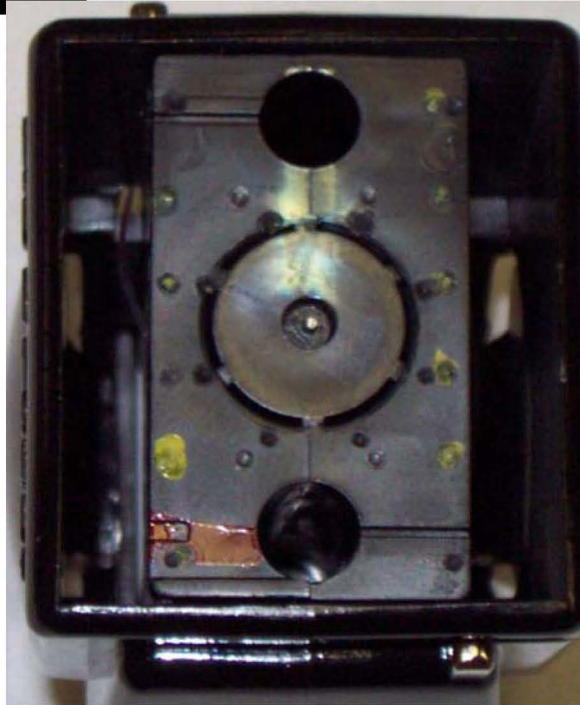
Schußmechanismus
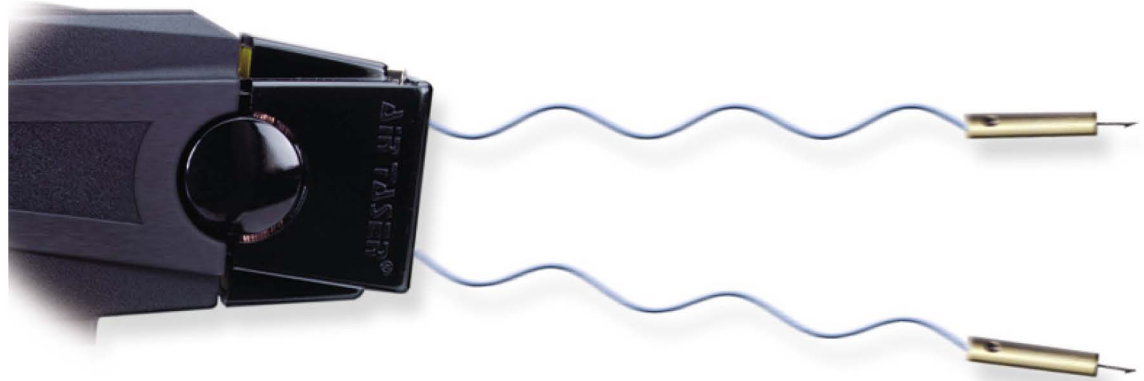
Kabel

Pfeile
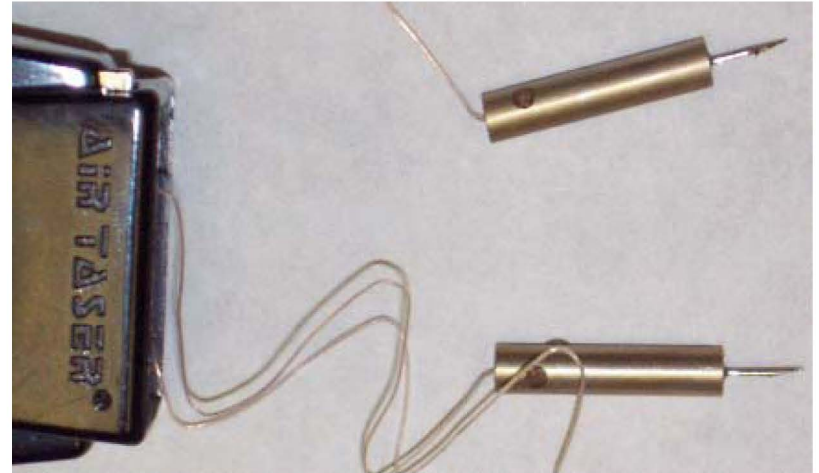
Kartuschenhalter
(Zubehör, nachrüstbar – ersetzt Batteriefachdeckel)

Kartuschentasche

Praktische Anwendung

Bereit...
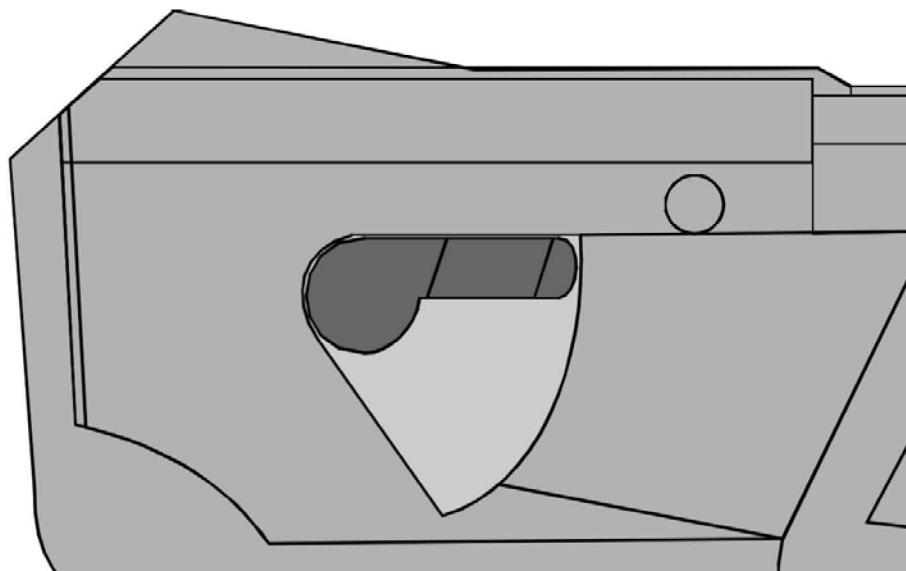
Zielen...

Schießen:
Automatischer Zyklus

Einz

Wichtig beim Einsatz:

Effektive Trefferflächen

Pfeile

M26 Probe Marks
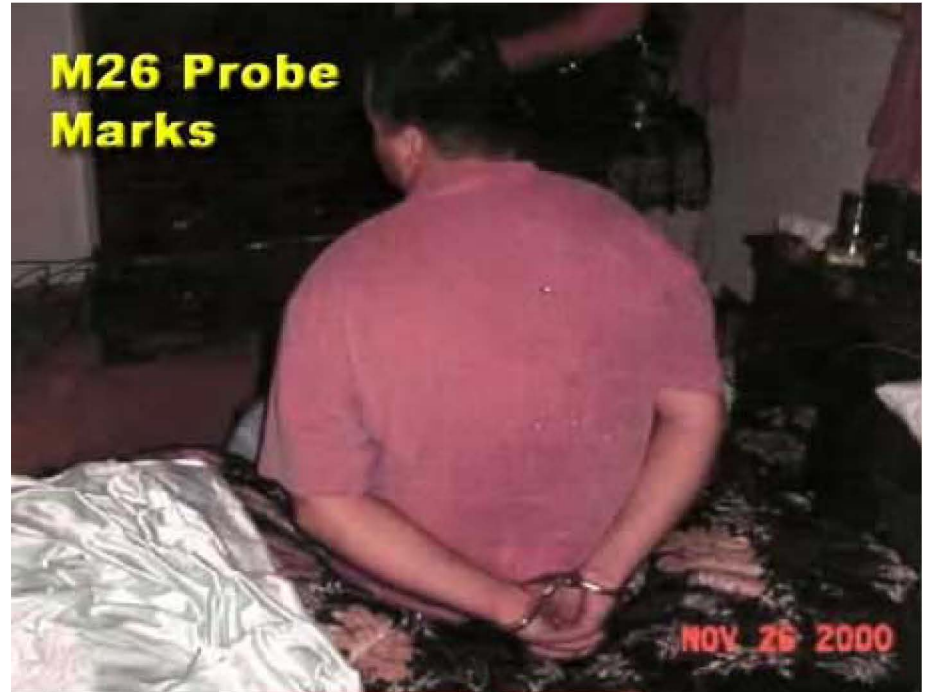
Pfeile vorher & nachher

"Sensibler" Treffer

Taktik nach dem Schuß

Der

das Zeitfenster für den Zugriff

Einsatz als Kontaktgerät

Der A

Einsatz als Kontaktgerät

Einsatz als Kontaktgerät

Schmerztoleranz

hauptsächlich der Schmerzreiz als Mittel der Überwältigung dient.

92.1%

Batterie- und Kartuschenwechsel

Batteriemagazin entnehmen

Batteriemagazin entnehmen
mit Kartuschenhalter

Entnehmen des Batteriemagazins

Einlegen der Batterien

- Wieder Sichern
- Kartusche einsetzen

Zugelassene NiMH-Akkus

TASER® NiMH-Akku

Energizer® ACCU Rechargeable™

Zugelassene alkalische AA-Mignonzellen

1. Duracell® Ultra

2: Energizer® E² ™ Titanium

Akkus gegen Duracell

Auswahl der Batterien

- Wer
  Hers

Auswahl der Batterien

- NiMH-Akkus

- Alkalische Batterien

NiMH-Akkus: lange gleiche Leistung
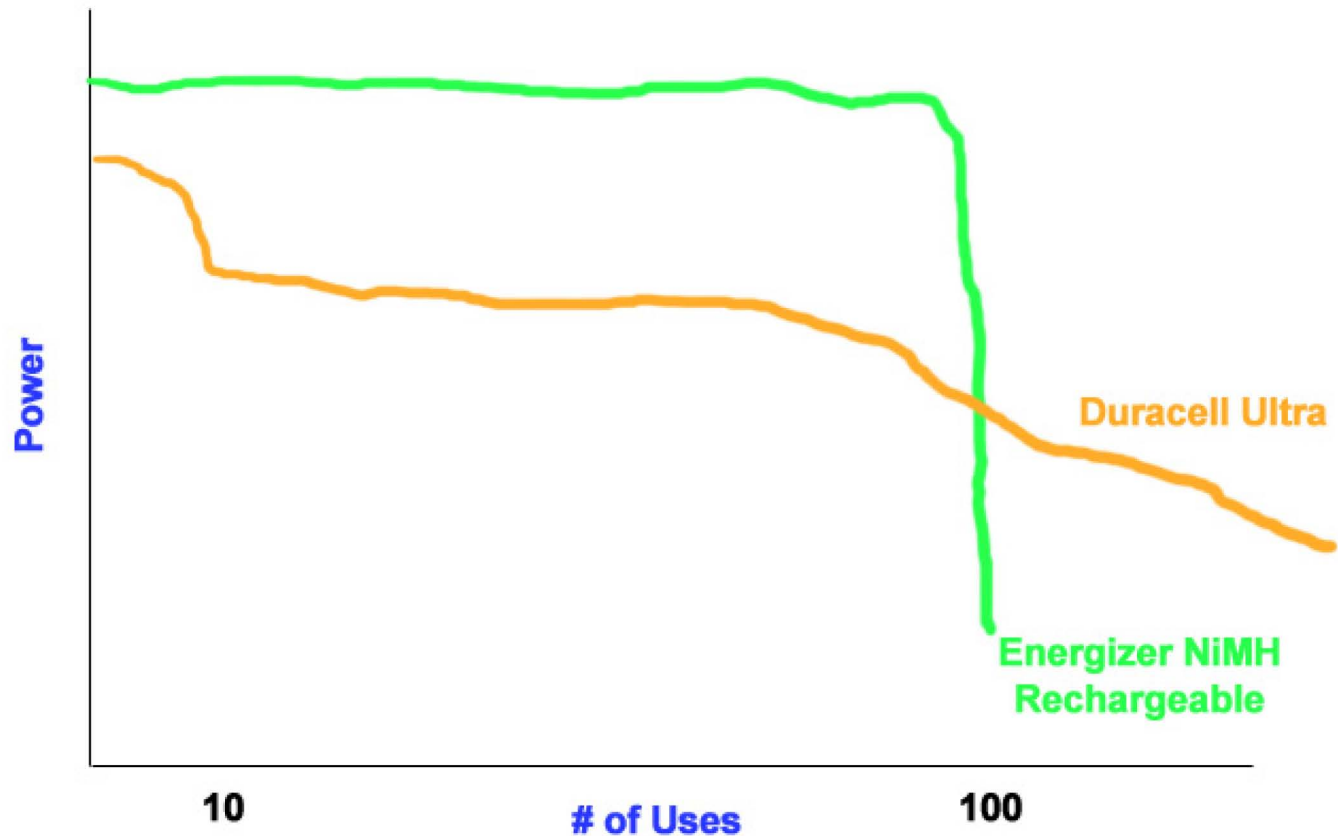
NiMH-Akkus: bessere Leistung bei niedrigen Temperaturen
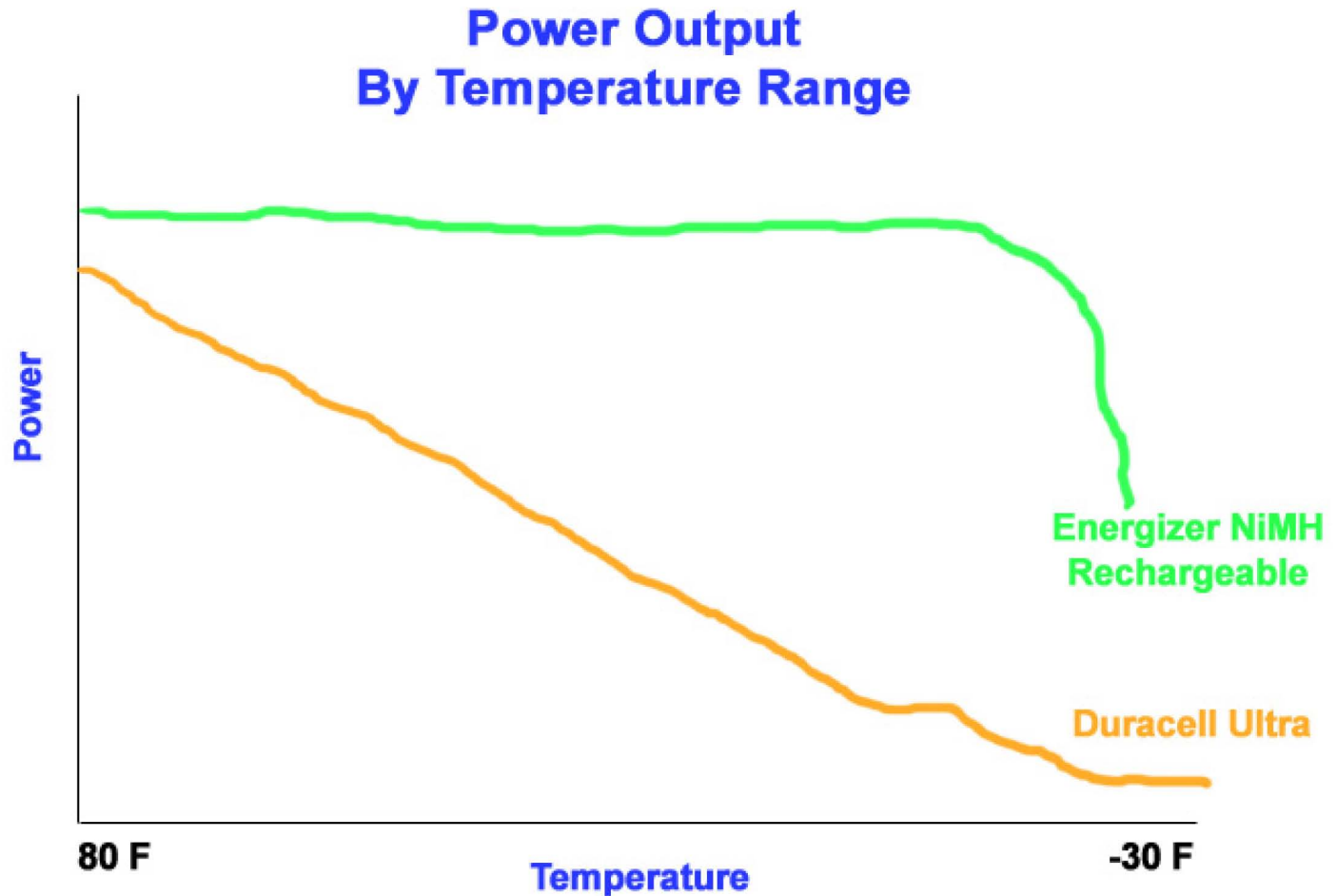
Kartusche laden

- Sicherheit geht vor!!

  sichern

Kartusche laden

sichern

Rechtliche Aspekte und Vorschriften

Rechtliche Aspekte

Eskalationsreihenfolge

der Einsatzmittel

(Beispiel)

Analyse von Einsatzberichten: Umstände des Einsatzes

32,28%

29,36%

16,23%

6,02%

11,61%

5,65%

4,44%

Fall 1: Potentieller Einsatz

Fall 2: suizidales Mädchen

- "Alle Beamten vor Ort sind sich einig, daß das Mädchen ohne den ADVANCED TASER heute tot wäre."

Fall 3:
Einsatz im Strafvollzug

Fall 4: Zellenräumung

Taktik

Dauer der Anwendungen im Einsatz

Zielen mit dem ADVANCED TASER
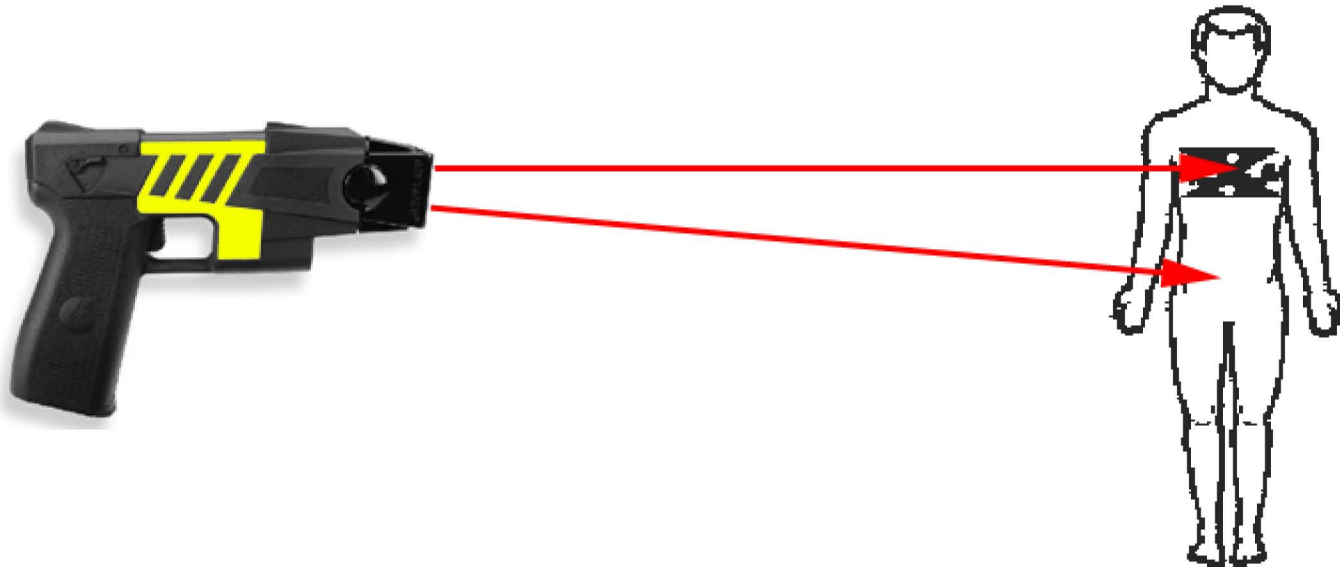
Verhältnis der Distanz zum Pfeilabstand

Faustregel: durch den Abwärtswinkel des unteren Pfeils von 8 Grad erhöht sich der Pfeilabstand um je ca. 15cm pro Meter Abstand zum Ziel.

Distance

Spread
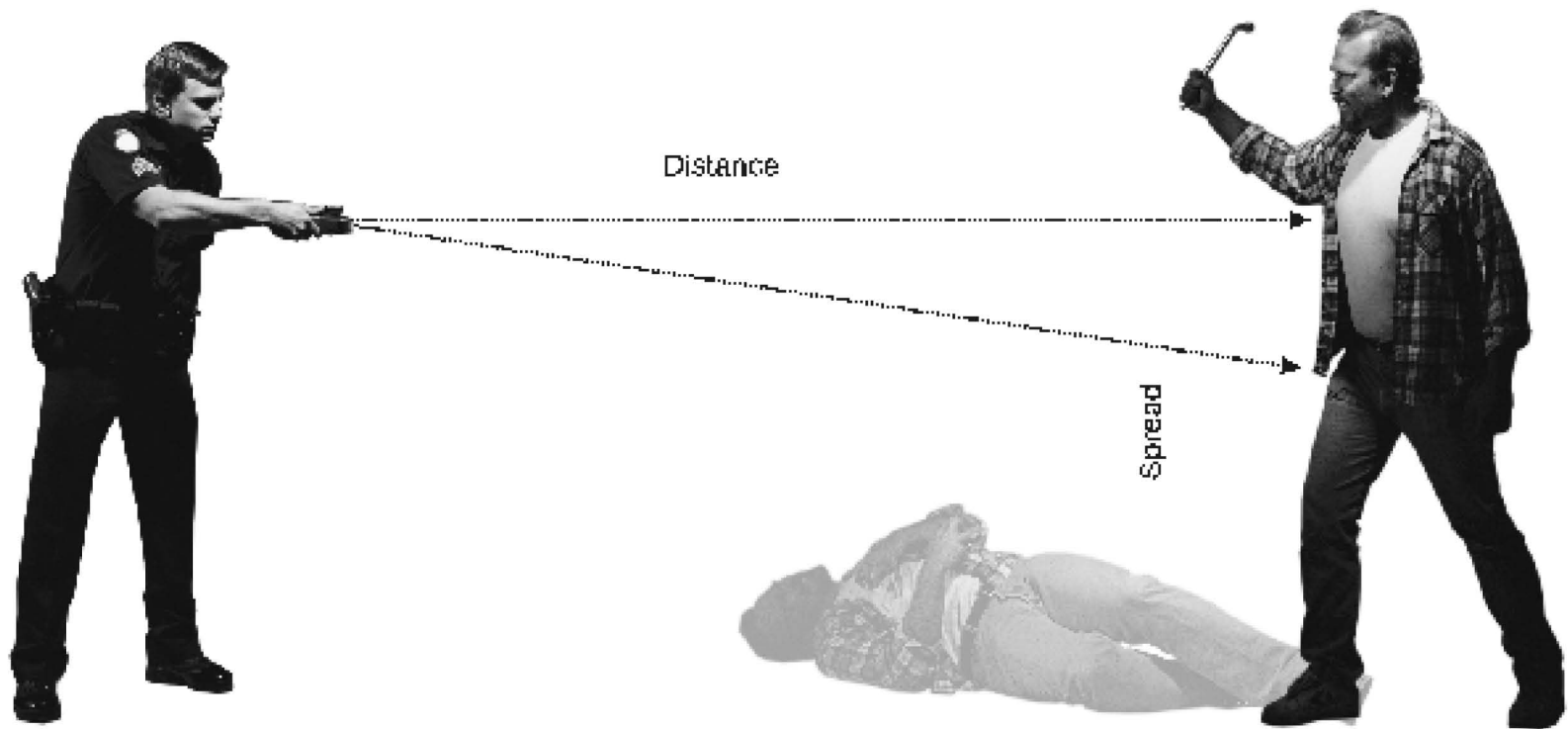
Abstand der Pfeile: 10cm   23cm   33cm   45cm   66cm   90cm

Richtiges Schießen

- **Zielen wie mit der Dienstpistole = Mitte Brustkorb oder Beine**

Einsatzergebnisse

- **Erfolgsquote**

- **Entfernungen**

487

477

29

Taktische Aspekte

Lose fallende oder sehr dicke Kleidung

Einsatz beim Toronto SWAT-Team

Durchdringen von Kleidung

Taktische Aspekte

die leicht reißen können, wenn man darauf tritt oder wenn ein laufendes Ziel getroffen und dabei der Abstand der Kabellänge überschritten wird.

Taktische Aspekte

"ZEITFENSTER"

Zeitfenster

Taktik: Zwei 5-Sekunden Zyklen

Taktische Aspekte

innerhalb

Taktische Aspekte

- Der Einsatzbefehl sollte nicht „Feuer" oder „Schieß" lauten ("Einsatz!", „Taser!" etc.)

Taktische Aspekte

- Im
  ode

Nicht erneut versuchen, diese Kartusche zu verschießen!!

Was kann schiefgehen?

- K

Was kann schiefgehen?

Bereiche mit einge-
schränkter Wirkung

– **Wenn der Täter stehen bleibt, wird ein Schuß mit einem 2. ADVANCED TASER auf einen anderen Körperbereich empfohlen, während der ursprüngliche Impuls fortgesetzt wird.**

Unvorhersehbares
Auf Verhaltensänderung achten

Planning for Contingencies

MURPHYs Gesetz
Fall der kanadischen Polizei
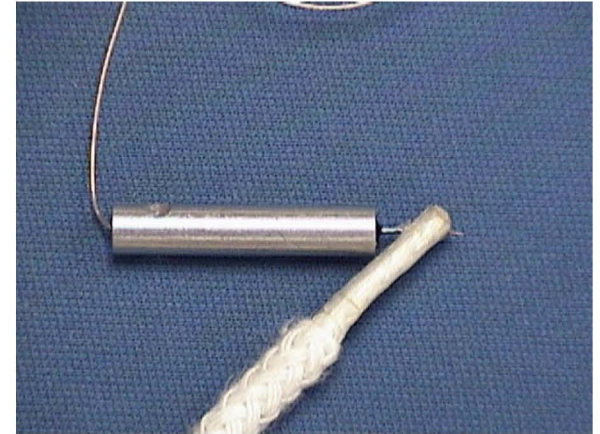
– Erfahrung/Lehre:

Die Entscheidung zum Einsatz

- **NUR EINSETZEN, UM EINE BEDROHUNG ZU BEENDEN**
- **NIEMALS FÜR KÖRPERLICHEN ZWANG VERWENDEN**
- **Vor dem Einsatz warnen, wenn es sinnvoll erscheint**

Wirkung des ADVANCED TASER

Tät

Reaktion des Getroffenen
(unspektakuläre Wirkung)

Reaktion des Getroffenen
(vollständige Verriegelung)

Reaktion der Getroffenen
(Beide von je 1 Pfeil getroffen)

Was TASER eventuell tun

Was TASER eventuell tun

- **Könnte Benzin oder andere leichtentflammbare Stoffe entzünden**

Conducted Energy Weapon
Evaluation Project

Flammables

Was TASER nicht tun

Was nach dem Schuß zu tun ist

Beispiel für Vorschrift zum weiteren Umgang

Umgang mit gebrauchten Kartuschen

Einzeltreffer / Entfernen der Pfeile
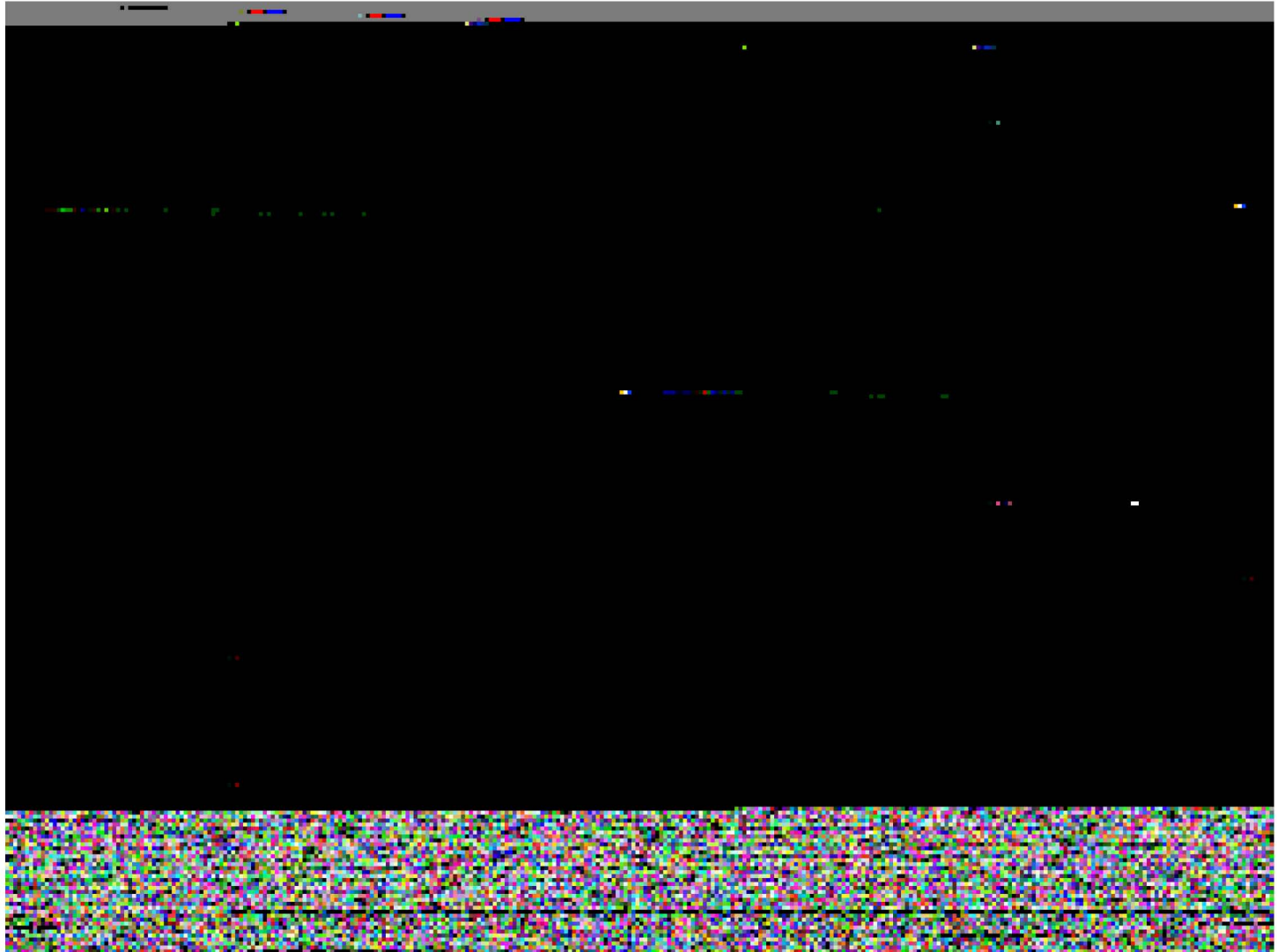
Wirkung auf Tiere

Tiere

ADVANCED TASER Stärken
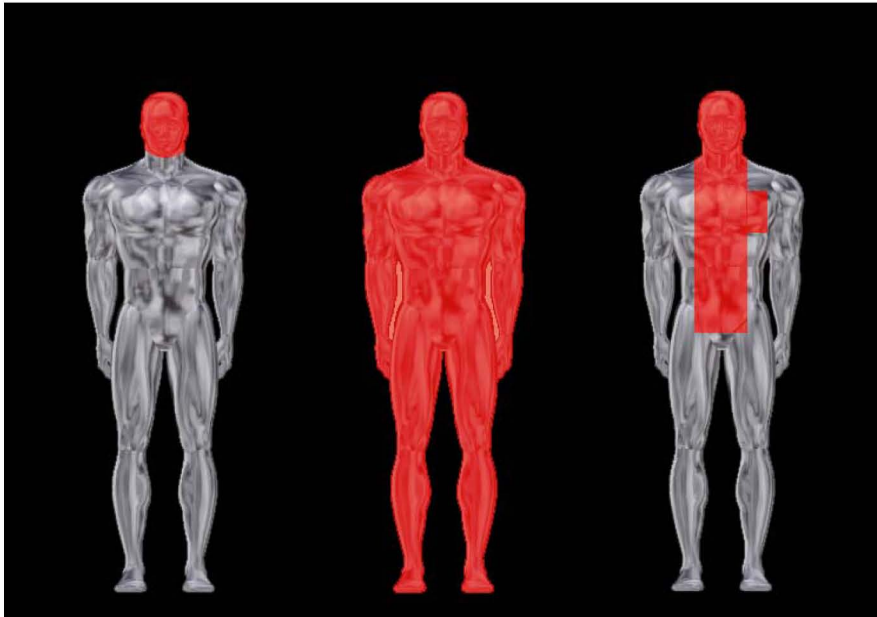
Dataport, Zubehör und Wartung

Maßnahmen zur rechtlichen Absicherung

AFID Tags
(Actual Size)
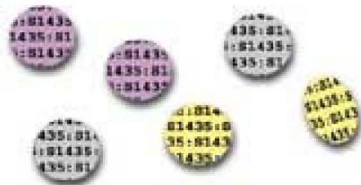
- AFID Identifikationssystem

STUNGUNS: A LOOK AT THE M26

Police around the country are exploring non-lethal alternatives to subduing dangerous subjects. Taser International's latest stungun, the M26, is one such weapon. Each M26 costs $400.

PROBES
Two barbed probes fire from the M26 up to 21 feet to deliver the charge. The charge can be delivered through two inches of clothing.

DATA PORT
Allows a computer to access the discharge history of the weapon. Memory can hold the time and date of more than 585 discharges.

Safety
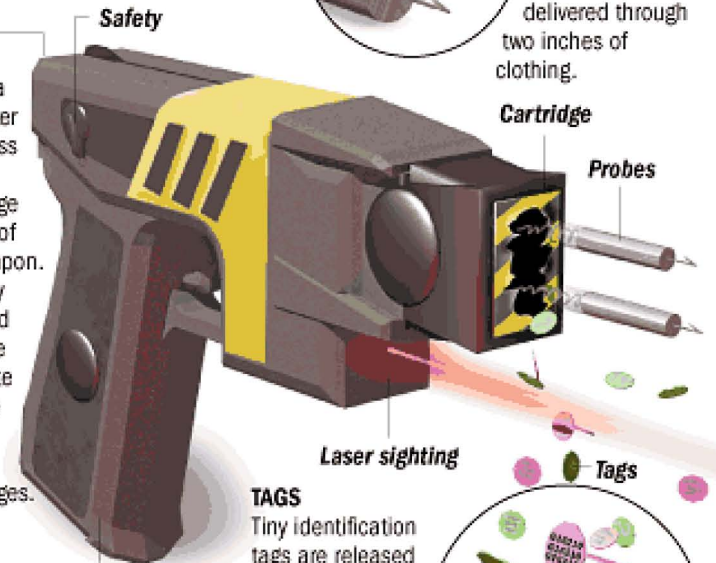
Cartridge

Probes

Laser sighting

Tags

BATTERIES
Operates on 8 AA batteries in the weapon's grip.

TAGS
Tiny identification tags are released when the weapon is fired. Each tag is marked with the serial number of the cartridge that fired for greater accountability.

SOURCES: Taser International; Dallas Public Safety Supply; Dallas Morning News research

LAYNE SMITH / Staff Graphic

Dataport

- **Dataport**

  - **Stets durch Gummistöpsel schützen**

Dataport

Dataport

Dataport Download Kabel
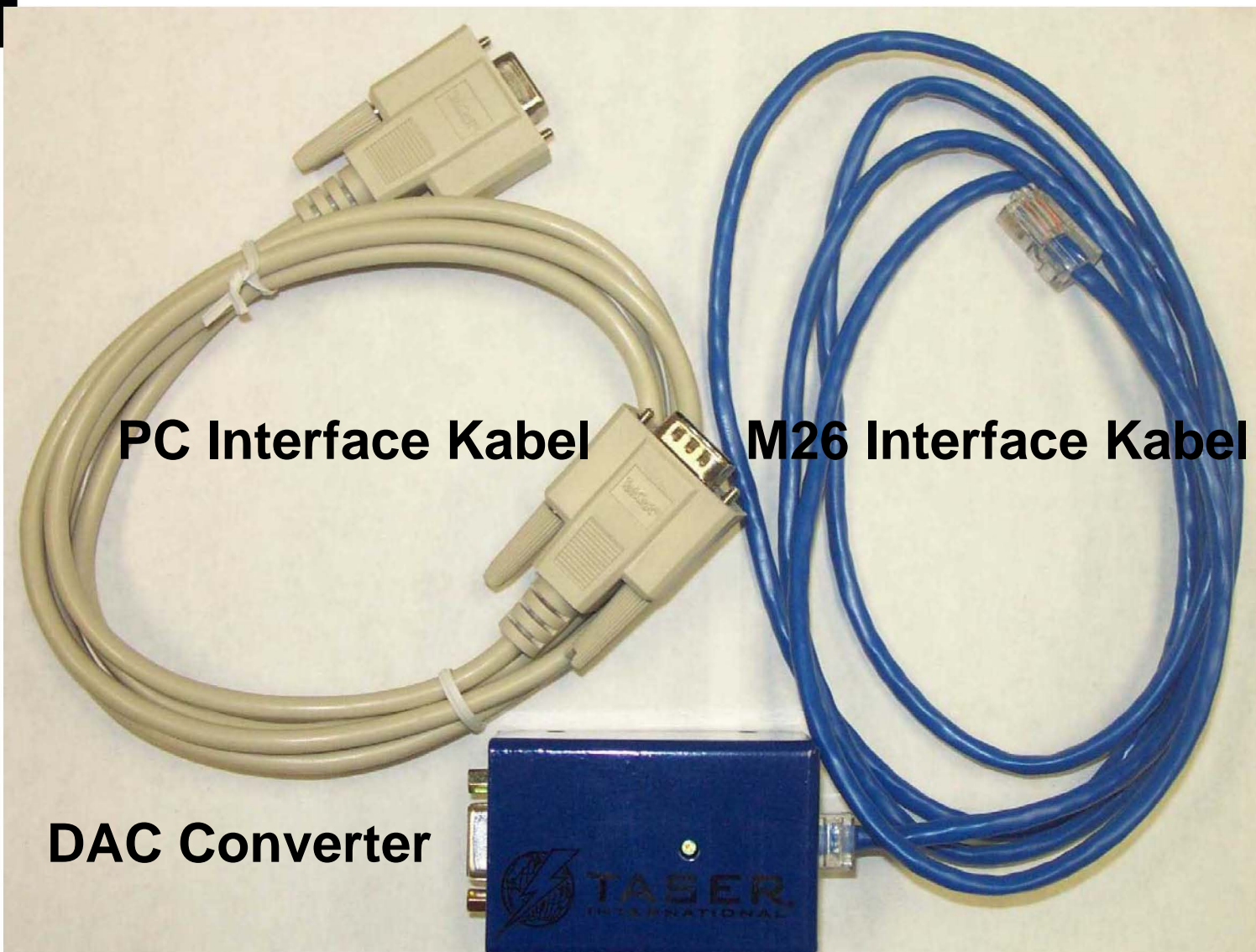
PC Interface Kabel   **M26 Interface Kabel**

DAC Converter

Dataport Benutzeroberfläche

Batterieladegerät

Batterieladegerät

Batterieladegerät

Wartung/Pflege

Reinigung/Pflege

trockenen Tuch
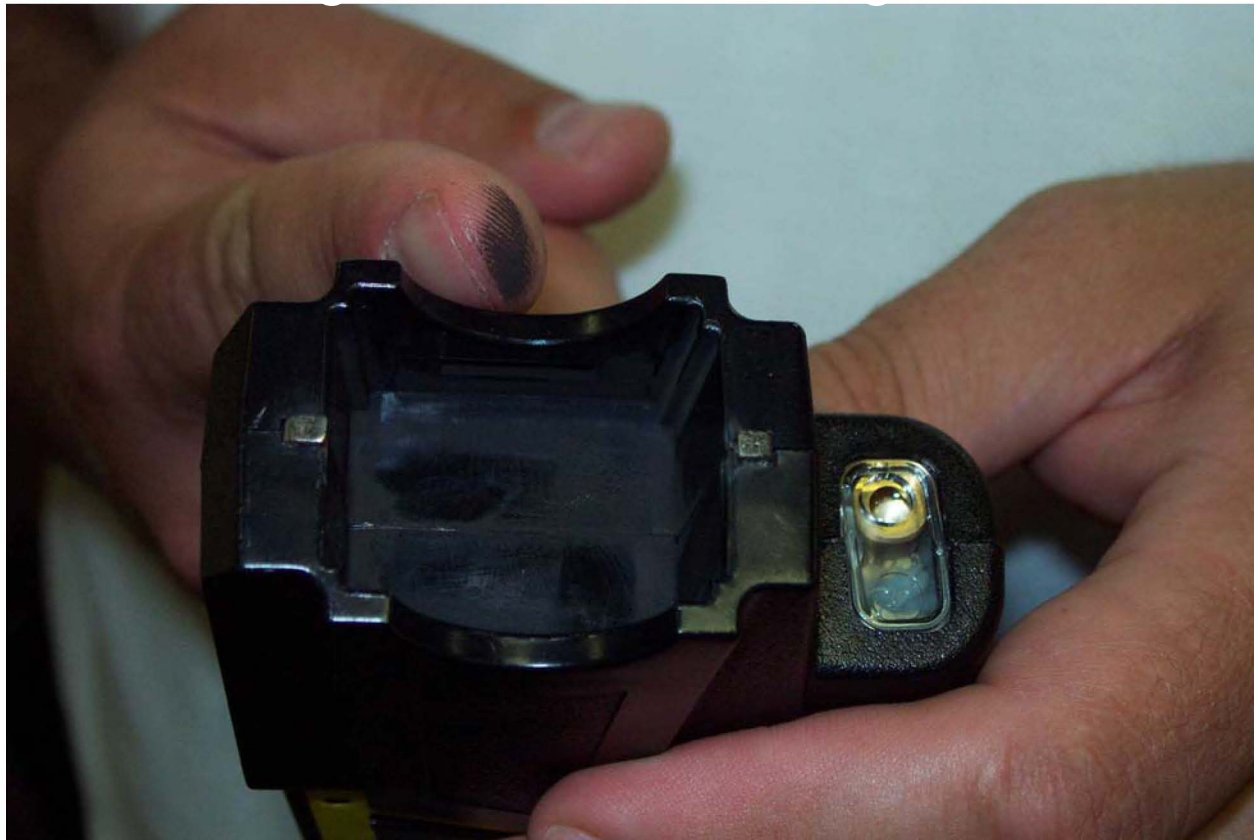
Sonstiges

Zusammenfassung

- **Reduziert Verletzungen bei Beamten UND Tätern**
- **Am effektivsten bei Ausstattung der Streifenbeamten**

Abschlußbesprechung
&
Test

DVD INSTRUCTIONS

The TASER International Version 14.0 Training DVD can be run on a PC with a DVD-ROM.

1. **The DVD contains:**
   - Power Point Presentations of :
     a. The M/X 26 instructor course
     b. The M26 user course
     c. The X26 user course
     d. Combination M26/X26 user course
     e. One command demo
     f. Corrections course
     g. Gulla's Angled Drive stun
     h. Scenario Worksheet guide
   - A Video Library
   - Training Documents
   - Support Materials

NOTE: Your PC must have a DVD-ROM to read and interact with the disc. If your PC only has a CD-ROM, it will not be able to read the disc.

2. **Running Version 14 materials on a PC**
   - Insert the Version 14 disc into your PC's DVD-ROM drive
   - If your Auto-play is activated on your PC a "pop-up" window will ask you what action you would like to take. Select "**Open folder to view files**" to view all contents of the Version 14 disc.
   - If auto-play is not activated, go to "**My computer**" and double click the DVD-ROM icon to view the Version 14 disc contents. The training PowerPoint's are located in the "**V-14 Presentations and materials**" folder. Here you can select the PowerPoint you need.

3. **Downloading training materials to a PC (This is highly recommended as the PowerPoint's run smoother)**
   - Insert Version 14 disc into your PC's DVD-ROM drive.
   - If auto-play is activated on your PC a pop-up window will ask what action you would like to take. Select "**Open folder to view files**" to view all contents of the Version 14 disc.
   - If auto-play is not activated, go to "**My Computer**" and double click on the DVD-ROM icon to view the Version 14 disc contents.
   - Using your mouse right click and hold the "**V-14 Data Files**" and drag and drop the folder onto the desktop or a destination of your choice on your PC. This will copy the entire contents onto your hard drive. The PowerPoint's are located in the "**V-14 Presentations and Materials**" folder. From there you can select the PowerPoint you need.

   NOTE: If copying the DVD training programs to a hard drive, you must copy the entire training folder. If the entire folder is not moved, the PowerPoint presentations will be unable to "link" to the video clips in the PowerPoint.

4. **Instructor Course**: This is the course used by Master Instructors to train instructors as part of the 16-hour instructor course.

5. **User Courses:** User courses are provided for both the M26 and the X26 as separate courses and a combined course. They are to be used by TASER International certified instructors to train end users. Instructors are encouraged to add department policies and tactics as part of the course material.

6. **Command Demos:** The single demo provides assistance for instructors in conducting command demos.

7. **Corrections Course:** This folder contains a PowerPoint presentation which addresses the specific areas of Corrections and is to be used as an addition to the Instructors and user courses. The folder also contains Corrections videos.

8. **Gulla's Angled Drive Stun:** This PowerPoint shows how the drive stun may be more effective if used on an "angle" to create NMI in a 3 point deployment.

9. **Scenario Worksheet Guide:** This presentation gives instructors guidance for setting up and running Live Simulation scenarios.

10. **Video Library:** The associated video clips will play automatically when the instructor "clicks" the mouse on the appropriate PowerPoint slide. In addition, you can play a specific video clip at any time by clicking on the video icon in this folder.

11. **Training Documents:** This folder contains documents used in the instructor certification course, including tests, answer keys, user and instructor applications, pre-deployment checklists, checklists to be used before and after training courses, certificates, and forms that must be completed and returned after each instructor's course.

12. **Supplemental Materials:** This folder contains multiple sub-folders with additional information that may be valuable to instructors, users, and their departments. Instructors should refer to these documents, as there are multitude of resources for training, ineffective use analysis, in custody death information, model policies from PERF and the IACP, and much more.

INSTRUCTOR PREPARATION CHECKLIST

Always check the Law Enforcement/Training link at www.TASER.com within 72 hours before your class to ensure you are using the proper lesson plan and to review all Training Bulletins.

Also, every Master Instructor is *required* to get in touch with the contact person from the hosting agency at least one week prior to the training to confirm all details regarding the class and facilities.

Essential Equipment Required For Training:

- Classroom suitable for size of class
- Proper mats
- Power strip & extension
- Computer with DVD/ROM or a DVD player.
- Speakers
- PowerPoint compatible computer with PowerPoint 2003 minimum software
    - Ensure the computer can successfully play the PowerPoint AND that the videos PLAY onscreen via the projector prior to the course.
    - Media Player 10.0 is required to play the videos. Suggest making Media Player the default media player
        - If you don't have Media Player, you can download this for free at: http://www.microsoft.com/windows/windowsmedia/players.aspx
        - Internet Explorer 6.1 or greater
- Projector
- White board to project upon and for writing or drawing if necessary
- First aid kit with multiple bandages, rubber gloves and alcohol wipes
- Corkboard or suitable backdrop for firing stations
- TASER equipment
    - TASER devices
    - TASER Cartridges
    - Targets
    - Safety glasses
    - Lesson Plans
    - TASER Simulation Suit
    - Latest version of the training DVD
- Preprint the appropriate Answer Key for the test to be used during the class. Suggest having students grade each other's tests to expedite the grading.

INEFFECTIVE DEPLOYMENT QUESTIONS

- Obtain as much info as possible from the actual operators regarding the incident
- Immediately contact TASER Int'l for guidance and assistance: Andrew Hinz or Matt Grimm at 800-978-2737 x 2048 or 6338 or Andrew@TASER.com or mgrimm@TASER.com
- Circumstances regarding arrest
- Distance fired, probe spread, location and duration of cycles
- TASER ECD effects (any change in behavior?)
- Subject's influence (drugs, alcohol, EDP)
- Any other use of force used?
- Hospital or medic exam information (if conducted)
- Take time to analyze the situation and the potential causes of ineffective deployment prior to drawing any conclusions

MEDIA INFO:

- Prepare media statement and provide media with as much info about TASER non-lethal weapons if possible
- Provide media the following contact info: www.TASER.com
- Steve Tuttle, TASER International's Vice President of Communications at 800-978-2737 x 2006 & Steve@TASER.com

Should an ineffective use occur, the following should be answered:

- What was the subject behavior and demeanor prior to use of force?
- Did the operator hear the TASER deploy? Was it loud or quiet?
- Distance from TASER operator to subject?
- Location of probes on the body?
- Did the probes penetrate skin?
- What type of clothing was on the subject?
- Distance between probes?
- Did the TASER ECD change the subject's behavior?
-    How?
- Was the subject incapacitated?
- What was the subject's reaction after the TASER cycle?
- Were attempts made to apprehend subject during TASER cycle?
-    If not, why?
- Were other control techniques used such as hands on, pepper, baton, K-9, etc?
-    If yes, what was the subject's reaction to these techniques?
- Were any additional cycles applied (how many?) to the same Air Cartridge probes or were additional cartridge(s) fired?
- Was there an Air Cartridge loaded in the secondary cartridge carrier?
- Was a separate TASER ECD deployed?
- Did the subject pull the probes out?
-    If yes, after the cycle?
-    If no, did the subject break the wires or were the stepped on or tangled up on the subject?
- Was the Air Cartridge taken as evidence?
- What was the pulse rate of the M26 or X26 (strong and fast, slow and dying?)
- Was the TASER cycle loud during the cycle?
- What type of batteries were used? (NiMH or alkaline if M26)
- Was a dataport download conducted and saved?
- Was a drive stun application attempted? If yes, what area of the body was this applied?

SUPERVISORY TASER USE REPORT

Date/Time: _____ TASER Officer's Name: _____

E-mail: _____ Department: _____

Dept Address: _____ Phone: _____

On Scene Supervisor: _____Officer(s) Involved: _____

TASER® Model (check one): ___ TASER X26 ___ ADVANCED TASER M26

If an ADVANCED TASER M26 Was Used, What Battery Type: ___ Alkaline ___ NiMH Rechargeable

TASER Cartridge Type(s):   ___ 21-ft Standard ___ 21-ft XP ___ 25-ft Standard ___ 25-ft XP
___ 35-ft XP ___ 15-ft

TASER Serial #: _____ Medical Facility: _____ Doctor: _____

Nature of the Call or Incident: _____ Charges: _____ Booked: Y / N

Type of Subject: ___ Human   ___ Animal

Location of Incident: ( ) Indoor ( ) Outdoor ( ) Jail ( ) Hospital

Type of Force Used (Check all that apply):   ( )Physical ( )Baton ( )Impact Munition
( )Chemical ( ) Firearm

Nature of the Injuries and Medical Treatment Required: _____

Admitted to Hospital for Injuries: Y / N   Admitted to Hospital for Psychiatric: Y / N

Medical Exam: Y / N   Suspect Under the influence: Alcohol / Drugs (specify): _____

Was an officer/law enforcement employee injured other than by TASER? Y / N

Incident Type (circle appropriate response(s) below):

Civil Disturbance   Suicidal   Suicide by Cop   Violent Suspect   Barricaded   Warrant   Other

Age: _____ Sex: _____ Height: _____ Race: _____ Weight: _____

Was a TASER CAM in use? Y / N

TASER use (circle one): Success / Failure   Suspect wearing heaving or loose clothes: Y / N

Number of cartridges fired: _____   Number of cycles applied: _____

Usage (check one): ( ) Arc Display Only   ( ) Laser Display Only   ( ) TASER Application

TASER: Is this a dart probe contact: Y / N   Is this a drive stun contact: Y / N

Approximate target distance at the time of the dart launch: _____ feet

Distance between the two probes: _____ inches   Need for an additional shot? Y / N

Did dart contacts penetrate the subject's skin? Y / N   Probes removed on scene: Y / N

Did TASER application cause injury: Y / N   If yes, was the subject treated for the injury: Y / N

DESCRIPTION OF INJURY:
_____
_____
_____
_____

APPLICATION AREAS
(Place "X's" where probes hit suspect <u>AND</u> *"O's" where stunned*)
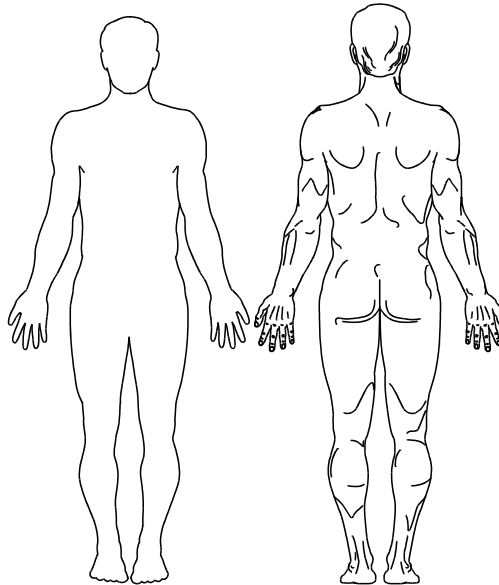
SYNOPSIS:
_____
_____
_____
_____
_____
_____

Need for additional applications? Y / N   Did the device respond satisfactorily? Y / N

If the TASER deployment was unsuccessful was a DRIVE STUN followup used? Y / N

Describe the subject's demeanor after the device was used or displayed?
_____
_____
_____
_____

Chemical Spray: Y / N   Baton or Blunt Instrument: Y / N

Authorized control holds: Y / N   If yes, what types: _____

Describe other means attempted to control the subject: _____

Photographs Taken: Y / N   Report Completed by:
_____   _____

ADDITIONAL INFORMATION

_____
_____
_____
_____
_____

---

1. Save this file to your hard drive and for your department archives.
2. Submit this report to the national TASER technology incident database.
3. Results of uses are reviewed by TASER Int'l to adjust training issues and concerns as well.
4. Email this copy to Andrew@TASER.com. If you cannot email, please fax a copy of this report to: (480) 991-0791 Attn: Andrew Hinz (Ph: 800-978-2737 ext. 2048).

ADVANCED TASER® Pre-Deployment Checklist

____ **Develop Department Deployment Policy**
An example policy is included on the TASER International CD-ROM. While this policy may be used to form the basis of your department policy, department management should ratify and modify the policy for your department's specific requirements.

____ **Develop Use of Force Guidelines**
An example policy is included on the TASER International CD-ROM. While this policy may be used to form the basis of your department policy, department management should ratify and modify the policy for your department's specific requirements.

____ **Develop Supervisory ADVANCED TASER Use Report**
An example report is included on the TASER International CD-ROM. While this report may be used to form the basis of your department policy, department management should ratify and modify the policy for your department's specific requirements.

____ **Brief Relevant Community Services**
It is recommended to notify relevant interest groups in the community prior to or concurrent with ADVANCED TASER deployment. The following community groups should be considered:

- Fire Battalion Chief
- EMTs
- Local Hospital Staff
- Media

  TASER International, Inc. personnel are available to assist in media relations. Media education prior to deployment will serve the department best by ensuring more accurate understanding of the ADVANCED TASER and the reasons for its deployment. **Further, media education provides an opportunity to educate the public about the steps the department has undertaken to reduce liability and injuries to both officers and suspects.**

____ **Establish File for ADVANCED TASER / ADVANCED TASER Certifications**
All officers must pass certification course prior to deployment of ADVANCED TASER. Signed certification test must be kept on file for all officers using the ADVANCED TASER. All certified officers should receive printed copies of the following documents at time of certification:

- Department Deployment Policy
- Use of Force Guidelines
- Supervisory ADVANCED TASER Use Report

____ **Establish File for ADVANCED TASER Use Reports**
Every use of the TASER technology should be documented using the department's established report (as modeled in the training manual). If possible, part of the filing procedure should include a fax of the report to TASER International to establish a national usage database that will be submitted to the International Association of Chiefs of Police Use of Force Database. Fax to 480-991-0791, attn: Law Enforcement Affairs. **Please mark reports as confidential and strike names as appropriate.**

TASER® X26 / M26 Pre-Deployment Checklist

____ **Develop Department Deployment Policy**
Example policies are available from TASER International. While these policies may be used to form the basis of your department policy, department management should ratify and modify the policy for your department's specific requirements.

____ **Develop Use of Force Guidelines**
Example policies are available from TASER International. While these policies may be used to form the basis of your department policy, department management should ratify and modify the policy for your department's specific requirements.

____ **Develop Supervisory TASER X26 / M26 Use Report**
An example report is included on the TASER Int'l training DVD. While this report may be used to form the basis of your department policy, department management should ratify and modify the policy for your department's specific requirements.

____ **Brief Relevant Community Services**
It is recommended to notify relevant interest groups in the community prior to or concurrent with TASER device deployment. The following community groups should be considered:

- Fire Battalion Chief, EMTs and Local Hospital Staff
- Media and agency spokesperson/PIO
- Civilian Police Review Board, Police Commissions, and/or City Councils/County Supervisors

  TASER Int'l, Inc. personnel are available to assist in media relations. Media education prior to deployment ensures more accurate understanding of the TASER technology and the reasons for its deployment. **Media education provides an opportunity to educate the public about your department's steps undertaken to reduce liability and injuries to both officers and suspects.**

____ **Establish File for TASER Certifications**
All officers should pass a certification course prior to deployment of TASER devices. Signed certification tests should be kept on file for all officers using the TASER devices. All certified officers should receive printed copies of the following documents at time of certification:

- Department Deployment Policy
- Use of Force Guidelines
- Supervisory TASER Electronic Control Device Use Report

____ **Establish File for TASER X26 / M26 Use Reports**
All TASER device uses should be documented using the department's established report. This procedure should include online entry of the TASER Int'l *use of force submission* at www.TASER.com website. If you do not have access to the Internet, please fax a copy of the report to TASER Int'l at 480-515-6363, Attn: Gov't Affairs. This data drives the changes in the next training DVD based upon lessons learned from actual use. In addition, this data is used to establish a national usage database submitted to the National Tactical Officers Assn (NTOA) Use of Force Database. **Please mark reports as confidential and strike names as appropriate.**

SUPERVISORY
TASER® *International USE REPORT*

**Subject's
Name**_____**Date/Time**_____

Location_____**Booked:** Y / N

Where _____ **Charges**_____

Officer's Name _____ **Sgt.** _____

Lt. _____ **AIR TASER Serial #** _____

Medical Facility_____**Doctor** _____

OR#: _____ **Fire DR#:** _____

Date of the Incident: _____ **Time of Incident:** _____

Location of the Incident: _____

Officer(s) Involved: _____

Nature of the Call or Incident: _____

Type of Force Used (Check all that apply): ( ) **Physical** ( ) **Less-lethal** ( ) **Firearm**

Nature of the Injuries and Medical Treatment Required: _____

Admitted to Hospital for Injuries: Y / N

Admitted to Hospital for Psychiatric: Y / N

Medical Exam: Y / N

Suspect Under the influence: Drugs / Alcohol

Summary of the Actions of Officer(s) Involved: _____

Was an Officer, Police Employee, Volunteer or Citizen Injured? Y / N

Incident Type {Circle appropriate response(s) below}:

Civil Disturbance   Suicidal   Violent Suspect.   Barricade   Warrant Service.   Other.

Age: _____ **Sex:** _____ **Height:** _____ **Race:** _____ **Build:** ( ) Heavy ( ) Med. ( ) Trim

Suspect wearing heaving clothes: Y / N

Actual TASER application: _____ Arc Display Only _____ Display Only _____

TASER: Is this a dart probe contact: Y / N. **Is this a stun gun contact:** Y / N

TASER® weapon used: ( ) AIR TASER 34000-series ( ) ADVANCED TASER M-series

Approximate target distance at the time of the dart launch:
_____
Need for an additional shot? Y / N

Did dart contacts penetrate the subject's skin? Y / N

TASER: Did the application cause injury: Y / N.   **If yes, was the subject treated for the injury:** Y / N.

DESCRIPTION OF INJURY:
_____
_____
_____

APPLICATION AREAS - Points of contact

SYNOPIS:
_____
_____
_____
_____

_____
_____
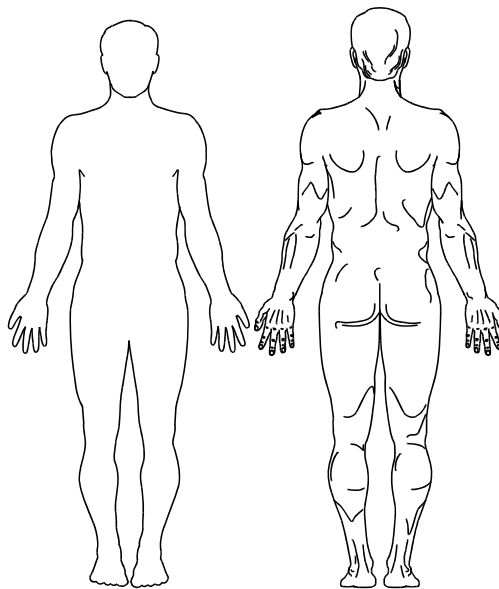
Need for additional applications? Y / N

Did the device respond satisfactorily? Y / N

Describe the subject's demeanor after the device was used or displayed?
_____
_____
_____
_____

Was the subject under the influence of drugs or alcohol? (confirmed by)
_____
_____
_____
_____

Describe the danger present:
_____
_____
_____
_____

Describe other means attempted to control the subject: (If not used, explain)

Chemical Spray:
_____
_____
_____

Baton or Blunt Instrument:
_____
_____
_____

Authorized control holds:
_____
_____
_____

Photographs Taken (yes) (no)
If not, explain:

_____
_____
_____

Fire Department Report # _____

Report Completed by:

_____

ADDITIONAL INFORMATION

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

Training Weapon Malfunction Report

TASER International maintains a specific inventory of training weapons. These weapons are exposed to extremely high levels of use including multiple continuous firings, dropping, shipping damage, etc. If you have a weapon that does not perform properly in class, please submit this form (with as much detail as possible) in the box with the returned weapons so we can ensure the weapon is not sent to another class without the necessary repairs.

Master Instructor: _____

Date: _____

Class Location: _____

Weapon Serial #: _____ Type Weapon (circle one)   M26   X26

Details: _____

Date: _____

Class Location: _____

Weapon Serial #: _____ Type Weapon (circle one)   M26   X26

Details: _____

Date: _____

Class Location: _____

Weapon Serial #: _____ Type Weapon (circle one)   M26   X26

Details: _____

Date: _____

Class Location: _____

Weapon Serial #: _____ Type Weapon (circle one)   M26   X26

Details: _____

Date: _____

Class Location: _____

Weapon Serial #: _____ Type Weapon (circle one)   M26   X26

Details: _____

TASER® International
Training Weapon Malfunction Report

Taser International maintains a specific inventory of training weapons. These weapons are exposed to extremely high levels of use including multiple continuous firings, dropping, shipping damage, etc. If you have a weapon that does not perform properly in class, please submit this form (with as much detail as possible) in the box with the returned weapons so we can ensure the weapon is not sent to another class without the necessary repairs.

MASTER INSTRUCTOR:

DATE:

CLASS LOCATION:

WEAPON SERIAL #: **TYPE WEAPON (circle one) M26   X26   X3**

Details:

WEAPON SERIAL #: **TYPE WEAPON (circle one) M26   X26   X3**

Details:

WEAPON SERIAL #: **TYPE WEAPON (circle one) M26   X26   X3**

Details:

WEAPON SERIAL #: **TYPE WEAPON (circle one) M26   X26   X3**

Details:

WEAPON SERIAL #: **TYPE WEAPON (circle one) M26   X26   X3**

Details:

TASER® Unintentional Discharge/Injury Report

NOTE: This form must be completed by the Master Instructor for ANY injury to instructors, students, or observers received during the conduct of a TASER International instructor course. Contact the TASER International Training Coordinator at 1-800-978-2737 and report the incident as soon as possible, then fax this report to 480-905-2034 Attention: Training Coordinator.

Master Instructor Name:

Date of Incident:

Class Location:

Name of Injured Party:

Injury Occurred During (Circle One):

Classroom   Voluntary Exposure   Firing Drills   Scenarios

Type of Injury:

Specific Points of Probe Impact (If Applicable):

Describe in detail how the injury happened. Please be as detailed as possible and use the back of this form if necessary:

What treatment, if any was provided in class, or was any outside medical attention received:

How can this type of injury be prevented in the future?

List witnesses to the incident on the back of this form.

TASER INTERNATIONAL

PRODUCT SPECIFICATION SHEET

Model:	**M26 ADVANCED TASER®**
Model #:	**44000**
Power output:	**50,000 Volt (est.); 26 Watts; 162mA (Irms) and 1.76 Joules per pulse energy**
Power input:	**12 VDC: 4-6 A**
Power supply:	**8 AA Nickel Metal Hydride (NiMH) 1.2-Volt rechargeable batteries or hi-output 1.5-Volt alkaline batteries, self-contained inside polyethylene battery tray, with reverse insertion prevention feature.**

Aiming mechanism

Mechanical:	**Fixed front and rear "fin and blade" sights, optimized at 13 foot range.**
Optical:	**650 Nm vawelength, daytime laser sight, optimized at 13 foot range.**

Housing

Dimensions:	**6.5" x 1.4" x 5.9" (inches).**
Material:	**Bayblend T 85 MN 901510 (PC/ABS Blend). No mold release used during molding process.**
Safety levers:	**Ambidextrous safeties**
Material:	**Bayblend T 85 MN 901510 (PC/ABS Blend). No mold release used during molding process.**

Activation switch

Material:	**High durability black Santoprene, shore A**

Laser lens

Material:	**Optically clear polycarbonate.**

Other features

On board memory:	**Fast recording EEPROM chip records 585 firings, date and time.**
Battery indicator**:**	**High visibility red LED calibrated for alkaline batteries.**
Yellow coloration kit:	**Left and right side yellow polycarbonate decals with P.S.A. that adheres to sides of the weapon, in order to mark it as less-lethal.**

Air Cartridges:	**21-foot and 15-foot interchangeable cartridges made of polycarbonate plastic. Uses 1800 P.S.I. compressed nitrogen. Wire is proprietary insulated copper-clad steel.**

UNLOADED   *LOADED W/ AIR CARTRIDGE*

6.5   7.7

5.9

4.3   6.7

5.1

1.4

The Next Generation of Personal Protection Systems

The Company Trusted By Law Enforcement Professionals Worldwide

TASER® C2 Features

Replaceable Cartridge
0 - 15' Range
safely stop attackers

30 Second Cycle
escape unsafe situations

Anti-Felon ID System
computer background checks deter misuse

Integrated LED Light
Illuminate Dark Environments

Optional Laser Sight
Provides Precision Accuracy

Trigger Safety Cover
Protects Trigger from Accidental Activations

Lithium Power Magazine
Delivers 50 + Firings

Ergonomic Grip
Fits all Hand Sizes

TASER C2 Features

- 0 - 15' Range
- Lightweight & Compact
- Portable
- Built in Safety Features
- Powerful Shaped Pulse Technology
  used by law enforcement

- Optional Laser Sight
- Integrated LED Light
- Lifetime Replacement Guarantee
- 1 Year Warranty
- Lithium Power Magazine
  long life/low maintenance lithium battery

TASER C2 Color Options

Black Pearl

Titanium Silver

Electric Blue

Metallic Pink

View the enclosed DVD or visit www.TASER.com   *for training and videos of actual TASER device uses.*

SAFE

The TASER C2 can stop a threat up to 15 feet (4.5 meters) away, allowing you to protect yourself and your family from a safe distance. You can also use the C2 as a contact stun device to repel someone - a powerful backup capability.

TASER® technology has proven itself as the safe self-defense choice with over 500,000 uses worldwide. TASER technology is supported by dozens of independent medical reports attesting to its general safety.

EFFECTIVE

Unlike conventional weapons, a TASER C2 discharge can work anywhere on the body, making it easier to stop a threat under stress than other self-defense options.

TASER devices are field proven to be over 95% effective in actual law enforcement encounters by over 10,000 police agencies in 40 countries.

TASER technology provides the only devices, short of lethal means, that can truly stop an attacker, even those under the influence of drugs and alcohol.

RESPONSIBLE

To promote responsible ownership and prevent misuse, the TASER C2 will function only after the owner completes a background check.* Purchasers must be 18 years or older.

TASER C2 cartridges have a unique serial number and are equipped with Anti-Felon Identification tags, allowing police to track a potential misuse. These AFID tags are dispersed upon deployment.

* $9.95 background check fee to receive unit activation code.

Call toll free to order
1.888.827.3788

Visit us online
www.TASER.com

At TASER International, we believe your life is worth more than the cost of a TASER product.
Each unit comes with a Lifetime Replacement Guarantee.

LIFETIME REPLACEMENT GUARANTEE

If the TASER C2 is used in self-defense, it can be deployed and left behind attached to the attacker causing incapacitation while you get to safety. When fired, the TASER C2 will deliver a 30 second energy burst. During this window of opportunity, you can set down the TASER C2 to keep the attacker incapacitated, while you escape. Send us a copy of the police report documenting the incident and we will replace your unit free of charge.

YOUR LIFE IS WORTH MORE TO US THAN THE COST OF A TASER SYSTEM

TASER
INTERNATIONAL

FAQ about AA Batteries and Battery Chargers

Is battery selection really important? Yes. The ADVANCED TASER® is a powerful device requiring high drain batteries. Batteries are run at their maximum capacity by the ADVANCED TASER and are critical to the success of the stopping power. After extensive testing, we recommend Energizer ACCU®, GP®, & TASER® brand Nickel Metal Hydride (NiMH) rechargeable batteries as the single most powerful types of batteries available. Alkaline batteries are the second recommended types of battery. Duracell Ultra® and Energizer Titanium E$^{2®}$ are the approved alkaline batteries for our products and each has expiration dates. If non-approved alkaline or NiMH batteries are used, problems could arise. Some NiMH batteries don't have complete exposure of their positive end. The battery springs may not completely contact and could result in malfunction.

Shouldn't Heavy-Duty or Super Heavy-Duty batteries work? No. Unfortunately many terms used by the battery industry can be very misleading. "Heavy Duty" batteries are often the least powerful batteries you can buy and are a step down in quality. The term used to refer to zinc chloride batteries that had 50% more capacity than traditional carbon zinc batteries -- but that was 50 years ago! Calling zinc chloride batteries heavy duty became misleading once alkaline batteries with 300% more capacity than zinc chloride batteries became available. Stick with factory recommended batteries.

Will installing the batteries wrong do any damage to the ADVANCED TASER? Yes. If all batteries are installed in reverse you can actually reverse polarity of the unit and short it out. Even if only one battery is installed incorrectly you will experience weapon failure and rapidly drain the power of these batteries. Instruction diagrams are on the inside of each battery tray. It is very important to follow those instructions. Insert the batteries using the "V-shape" technique as noted in the manual.

How many AA batteries do I need? 8 AA alkaline or NiMH rechargeable batteries are required to operate. It is also recommended that you keep a spare set of Duracell Ultra® or Energizer Titanium E$^{2®}$ available.

What is the real world difference between alkaline and NiMH batteries in the ADVANCED TASER? Fresh Duracell Ultra® or Energizer Titanium E$^{2®}$ batteries will provide a rate of 12-15 electrical pulses per second. Fully charged NiMH batteries provide a rate of 15-20 pulses per second. NiMH batteries give the strongest output, and perform much better in cold weather. However, undercharged batteries will cause weapon failure. Battery failures with rechargeable batteries in older TASERs have resulted in escalation of force because officers had to move up the use of force continuum. The recommended alkaline batteries have a stronger shelf life (4-6 years). Again, the selection of the battery is very important. The trade off is better pulse rate versus maintaining a fully charged set of NiMH batteries.

Alkaline batteries are 1.5 Volts and the NiMH batteries are rated at 1.2 Volts, why the difference? NiMH batteries are ideal substitutes for most high drain electronics. There is no need to worry about the apparent voltage differences. Even though alkaline batteries are rated at nominal 1.5 Volts, they only deliver 1.5 Volts when they are fresh. In fact, over the course of their discharge, alkaline batteries actually average about 1.2 Volts. The main difference is that an alkaline battery starts at 1.5 Volts and gradually drops to less than 1.0 Volts. NiMH batteries stay at about 1.2 Volts for most of their discharge cycle.

Should I be concerned about the mAh (milli Amp hours) rating? Yes, but only when considering NiMH batteries. Alkaline batteries typically have a capacity rating of over 2,500 mAh and NiMH have rated capacities of only 1,200 to 1,800 mAh. But, when actually powering an electronic device like the ADVANCED TASER, the NiMH batteries will run the device for two to three times longer. Alkaline batteries were not designed to meet the very high power demands of today's electronic devices. Alkaline batteries have a high rated capacity, but they can only deliver their full capacity if the power is used slowly. With NiMH batteries, the higher the mAh number, the longer the charge will last. Also, the higher the mAh number, the higher the price! A rating of 1200 mAh is more than sufficient and ratings of 1400, 1600 and 1800 just increase the length of the recharge.

What is the self-discharge rate of alkaline and NiMH batteries? Alkaline batteries stored at "room temperature" (70 degrees F) self-discharge at a rate of less than two percent per year. However, if they are stored at 85 degrees F they lose about 5% per year, but at 100 degrees F they lose 25% per year. NiMH batteries self-discharge at a much faster rate than alkaline batteries. In fact, at "room temperature" NiMH batteries will self-discharge approximately one percent per day. This is the primary reason behind our recommended two-week check and charge schedule.

Because the voltage of an alkaline battery drops at a very predictable rate it's possible to estimate the amount of capacity left in an alkaline battery based solely on its voltage. (1.5 Volts - fully charged, 1.25 Volts - 50% charged, 1.0 Volts - almost fully discharged). But a NiMH battery stays at about 1.2 Volts until it is nearly completely discharged.

This makes it almost impossible to know the amount of capacity left based on its voltage alone. It also leaves you very little warning when it's time to change your batteries! Moreover, the NiMH will provide little audible warning when they are near their end of capacity. Alkaline batteries will begin to slowly fade out causing the pulse rate to diminish. The NiMH's will provide a rapid pulse and then rapidly plummet in pulse rate.

What is "memory effect" and should I be concerned? "Memory effect" is a term used when rechargeable batteries experience voltage depletion (reduced capacity) over their life. In other words, the battery is not able to hold the same capacity as it did the first time it was charged. This is true with all rechargeable batteries, but some have a very high rate loss. NiMH batteries are virtually memory free and do not need to be fully discharged before recharging. Keep in mind that this is the amount of charge the batteries will hold not the quality. NiMH batteries can be damaged from heat by overcharging, but is easily avoided by using a high quality, microprocessor controlled battery charger such as our factory recommended battery brands.

How many times can rechargeable batteries be recharged? The quick and easy answer is <u>hundreds of times</u>. The reason we can't be more precise is because this is a more complex question to answer than it might seem. The number of times a battery can be recharged depends on how the battery was used. Every time a rechargeable battery goes through a charge and discharge cycle it loses a tiny bit of capacity. Not to mention if you accidentally overcharge the batteries or if you repeatedly completely discharge them. Therefore, it would be impossible to give you an exact number. Today's NiMH will generally last 300 -1,000 charge / discharge cycles.

Does rapid charging reduce the life of batteries?   No. So long as it is done using properly designed, "smart" chargers, most NiMH batteries can be recharged in about an hour without any damage or reduction in their life. However, NiMH batteries must be rapid charged with a charger specifically designed for charging NiMH batteries. Chargers designed to charge only Nickel cadmium (NiCad) batteries can overcharge NiMH batteries. Even a standard or slow NiCad charger can damage NiMH batteries. Many inexpensive NiMH battery chargers are simply NiCad chargers that have been modified slightly. We do not recommend this type of charger. While it is less expensive to manufacture than a smart charger, it can lead to overcharging and battery damage. Most NiMH "smart" chargers have actually been designed to detect when a NiMH battery is fully charged and then shut off or go into a trickle charge mode. Because of the more complex circuitry, this type of charger costs more to manufacture, but should lead to greater battery life.

Do I have to purchase a brand specific charger for my NiMH batteries? Any good NiMH charger should be able to recharge any good quality NiMH battery without any problem. Just keep in mind that a "smart" charger is better than a "dumb" charger. The TASER NiMH "smart" charger charges through the use of the dataport plug.   This feature allows you to charge the NiMH batteries without having to remove both the battery tray and each battery out.   In addition, there is also a place for a battery tray to charge in the base of the charger.

Can a battery charger damage a battery? Yes. The most common cause of premature battery failure is overcharging. The chargers most likely to cause overcharging are the 5, 8, or 15-hour chargers. The problem with these chargers is that they really don't have a charge control mechanism. Most of them are simple designs that charge at their full charge rate for a fixed period of time through a timer, and then shut off or switch to a trickle charge rate. Each time the unit is either unplugged or batteries are removed, the timer begins at zero and recharges the batteries for another lengthy recharge.

If improperly used they can shorten a battery's useful life. Suppose that fully charged or partially charged batteries are put into the charger. The charger has no way to sense this, so it will give the batteries a full charge it was designed to deliver. Do this enough times with one of those battery chargers and the capacity of the battery will start to drop.

Why does my indicator light on the AVANCED TASER have a steady light when I use NiMH batteries? The battery indicator light is calibrated for alkaline batteries (1.5 Volts per battery) and will not function properly with rechargeables. Rechargeable NiMH batteries (1.2 Volts per battery) will always indicate 'low" even when full charged. The battery indicator cannot distinguish between the 1.5 Volts and the 1.2 Volts. Since the unit was designed originally with off-the-shelf batteries, the indicator measures for 12 Volts (8 X 1.5 = 12 Volts) as the maximum and indicates low battery based upon a decrease from the 12 Volts. Freshly charged NiMH batteries start at 9.6 Volts (8 X 1.2 = 9.6 Volts) and immediately register as low on the battery indicator, even though they are not low. To check the NiMH battery strength, remove the Air Cartridge and check for a fast spark rate of 15-20 pulses per second. On alkaline batteries, if the LED light is blinking, the batteries are good. If the LED is solid red, the batteries are low and should be changed. The red light stops blinking when the charge drops below 70%. If there is no light at all or is barely visible, the batteries are dead or have been installed improperly. Recheck that the batteries are installed properly.

About how many 5-second cycles can I get out of each type of battery (alkaline vs. NiMH)? Testing indicates approximately 15-20 cycles out of a fresh set of approved alkaline batteries before a dramatic drop in battery performance. The batteries may still fire the unit beyond that number, but at a reduced pulse rate. A fully charged set of NiMH batteries provides approximately 100 cycles. But, it is important to keep in mind that you will not be given the same type of pulse decline warning given by alkaline batteries. Number 101 could give you absolutely nothing!

"AA" Nickel Metal Hydride Battery Charger
Operating Instructions for Model: 44710

WARNING: READ THIS BEFORE USING

- **Batteries must be charged prior to using.**
- Charge only rechargeable Nickel Metal Hydride (NiMH) batteries in this device. Charging other types of rechargeable Nickel Cadmium (NiCad) or non-rechargeable alkaline batteries may cause them to leak, rupture or explode, resulting in personal injury and property damage.
- This device is intended for indoor use only.
- Avoid dropping the charger to prevent damage.
- **Never** connect the ADVANCED TASER to the charger unit with an Air Cartridge installed.

GENERAL INSTRUCTIONS

The charger unit includes: (1) power transformer, (1) base unit, (1) RJ11 dataport cable.

The battery charger is a four (4) hour "smart" charger. A fully drained set of NiMH batteries will take no longer than four (4) hours to completely charge. The smart charger does not run on a timing cycle. Because of the more complex circuitry, this charger is designed to detect when a NiMH battery is fully charged and then shut off. If the NiMH batteries need only one (1) hour of charging, then that is all it will take. This helps prevent overcharging damage to your batteries.

There are two methods for charging: Plugged directly into your ADVANCED TASER dataport, or with the battery magazine placed in the charger base. In fact, you charge two sets of NiMH batteries overnight – one in the weapon and another set in the charger. However, please note that the charger will intelligently charge the weapon first and then the set in the charger.

The charger base unit is equipped with color-coded LED's that indicate when power is on, when charging, and when charging is complete. When the power transformer is plugged into the rear of the base unit, the yellow LED light will illuminate. This indicates that power is being supplied to the charger and should remain lighted the entire time the charger is plugged into the power source. To charge the ADAVANCED TASER, remove the dataport rubber stopper. When you connect the charger unit to the dataport or place a set in the base for charging, the red LED light will at first blink, indicating batteries have been connected for charging. Once the charger verifies the batteries are "OK" to charge, the red LED will stop blinking and remain on during the reconditioning and charging cycle. Once the batteries have fully charged the red LED will turn off and the green LED light will illuminate. The green LED light indicates the batteries are fully charged and the unit has stopped charging. Remember that the yellow LED light will continue to illuminate the entire time the unit is plugged into the power source. Replace the rubber stopper in the dataport when charging is complete.

- It is recommended to disconnect the ADVANCED TASER and/or remove the batteries from the charger once the cycle has been completed.
- **It is recommended to recharge the NiMH batteries every two weeks.**
- It is normal for the bottom of the charger base to become warm during the charging cycle.

SPECIFICATIONS

Model: 44710
Input: DC 15V 950mA from standard 110V house current
Output: DC 9.5V – 14.5V
Charge Time: 4 hours maximum
Battery Type: Nickel Metal Hydride (NiMH) ONLY

For more information, visit our website at: www.TASER.com or call 1-800-978-2737

WARNINGS

- Ensure the safety switch is in the ON (SAFE) position and the air cartridge is removed before connecting the ADVANCED TASER to the charger unit. Verify that the wires (pins) are not bent, crossed or touching inside the data port.
- The only valid indicator of adequate battery strength is a spark test. Perform a spark test per department policy.
- Never charge more than one set of batteries at a time. Use EITHER the battery tray charger base or the data port adapter but not both at the same time.
- Charge only rechargeable Nickel Metal Hydride (NiMH) batteries in this device. Charging other types of rechargeable batteries including Nickel Cadmium (NiCad) or alkaline batteries may cause them to leak, rupture or explode, resulting in personal injury and damage.

GENERAL INSTRUCTIONS

- Batteries must be conditioned prior to use by charging three (3) separate times.
- NiMH batteries must be "reconditioned" every six months or after heavy use (e.g. a training session with multiple firings).
- It is recommended to recharge the NiMH batteries at least once every two weeks.
- Always replace rubber data port stopper when charging is complete.
- This device is intended for indoor use only. Avoid dropping the charger to prevent damage.
- It is normal for the bottom of the charger base to become warm during the charging cycle.
- Yellow LED light indicates power is connected to the charger.
- Red LED light indicates batteries are recharging.
- Green LED light indicates batteries are fully charged.

The battery charger is a four (4)-hour "smart" charger. A fully drained set of NiMH batteries will take no longer than four (4) hours to completely charge. The charger is designed to detect when a NiMH battery is fully charged and then enter a trickle state. It does not work on a timing cycle. The green LED will illuminate as soon as the charger detects that the batteries are fully charged. Since the smart charger will not overcharge the batteries, there is no requirement to remove the batteries once charging is complete.

BATTERY INITIAL CONDITIONING AND RECONDITIONING (EVERY SIX MONTHS)

1. Verify the charger is powered (yellow LED illuminated).
2. Verify the M26 safety switch is in the ON (SAFE) position and the air cartridge is removed.
3. Remove the data port plug from the M26 and insert the charger cable OR remove the battery tray and insert in charger base.
4. Verify the red LED illuminates to indicate batteries are recharging. The light will blink for a few seconds while the charger verifies the battery connection, then illuminate steady for the remainder of the charging cycle.
5. Charge for a MINIMUM of 12 hours regardless of when the green LED illuminates.
6. Remove the batteries (or cable) from the charger for approximately 10 seconds (green LED extinguishes).
7. Reinsert batteries (or cable) and charge until the green LED illuminates.
8. Repeat steps 6 & 7 for one additional charging cycle.

NORMAL CHARGING

1. Verify the charger is powered (yellow LED illuminated).
2. Verify the M26 safety switch is in the ON (SAFE) position and the air cartridge is removed.
3. Remove the data port plug from the M26 and insert the charger cable OR remove the battery tray and insert in charger base.
4. Verify the red LED illuminates to indicate batteries are recharging. The light will blink for a few seconds while the charger verifies the battery connection, then illuminate steady for the remainder of the charging cycle.
5. When the green LED illuminates, the charging cycle is complete.
6. Replace the rubber stopper in the M26 data port.

SPECIFICATIONS

Model:	44710
Input:	DC 15V 950mA from standard 110V house current
Output:	DC 9.5V – 14.5V
Charge Time:	4 hours maximum
Battery Type:	Nickel Metal Hydride (NiMH) ONLY

For more information, visit our website at: **www.TASER.com** or call 1-800-978-2737. © 2005 TASER International, Inc. TASER®, Shaped Pulse™ and the Globe & Lightning Bolt Logo are trademarks of TASER International, Inc.

ADVANCED TASER® M26 & ACCESSORIES

ADVANCED TASER M26

Includes: Integrated Laser Sight, Dataport, & Color Kit

Model #44000 (black)
Model #44005 (yellow)

DeSANTIS SWIVEL CLIP HOLSTER

Material: Kydex

Model #44810 (Right or Left)
Model #44811 (clip only)

POLICE AIR CARTRIDGE

21-Foot Range (yellow/black door)

Model #44200 Single Shot
Model #44228 Box of 28

DeSANTIS HIGH RIDE DUTY HOLSTER

Material: Kydex

Model #44820 (Right) #44825 (Left)
Model #44821 (loop only)

TRAINING AIR CARTRIDGE

15-Foot Range (yellow door)

Model #34200 Single Shot
Model #34228 Box of 28

DeSANTIS NYPD DROP BAG

Material: Kydex

Model #44880
Model #44881 (clip only)

SECONDARY CARTRIDGE HOLDER

Holds 1 Air Cartridge on the M26 (replaces standard battery cover)

Model #44860 (black)

THIGH HOLSTER

Material: Ballistic Nylon

Model #44830 (Right) #44835 (Left)
Model #44831 (clip only)
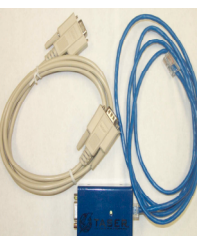
DATAPORT DOWNLOAD KIT

Includes: Software & Adapter - Windows 95 & 98 Compatible

Model #44500

WAIST PACK

Material: Nylon

Model #44840

NiMH BATTERY CHARGER

Capable of charging the M26 utilizing the dataport connection & also a battery tray in the base

Model #44710

8 PACK NiMH BATTERY & TRAY

Specification: Recharable AA
1.2V
1500 mAh

Model #44700

ADVANCED TASER M26 - A New Era in Less-Lethal Technology

TASER
INTERNATIONAL®

PRODUCT SPECIFICATION SHEET

Model: **ADVANCED TASER® M26 BladeTech Holster with thumb break and TEK-LOK™ (locking, removable and adjustable belt clip mount).**

Model #: **44855**

Dimensions: **1.94" W x 7.5" H x 3.2" (inches).**

Material: **Holster body is a proprietary blend of Polypropylene.**
Thumb break extension is 8% glass filled Nylon.
TEK-LOK & TEK MOUNT is 33% glass filled Nylon
Thumb Break straps are Santoprene.
Thigh rig thigh plate is KYDEX.
Optional Air Cartridge carrier is KYDEX. (Soon to be of 8% glass filled Nylon).

Other features: **TEK-LOC can mount duty and pant belts up to 2.27" in height and is adjustable for smaller heights up. The width is .25"**
Optional Air Cartridge carrier available in future.

TEK-LOK Patent **TEK-LOK U.S. Patent: 6145169 for locking, removable belt clip.**

Patent Abstract: A belt clip for supporting an object on a user's belt includes an inward portion for insertion between the user's belt and body, having a first hinge portion on one edge thereof and including a pair of spaced-apart, flexible wings located at the other edge thereof, wherein each wing has a first locking structure thereon; an outward portion for attaching an object thereto, having a second hinge portion thereon and having a second locking structure thereon; and a hinge pin for joining said first hinge portion and said second hinge portion together in a moveable condition.
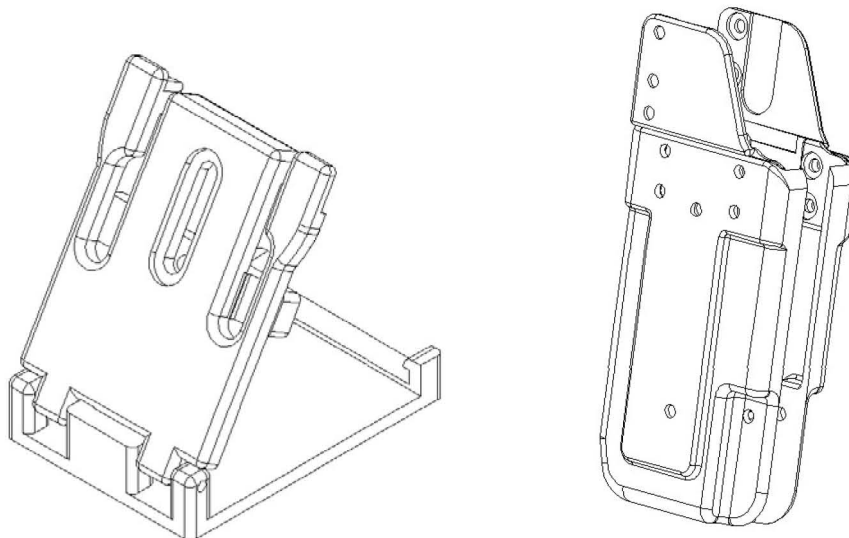
TURBO CHARGE
Your ADVANCED TASER

Introducing the ADVANCED TASER®
NiMH Rechargeable Battery System

Save up to $8,000 in batteries*

Recharge & reuse batteries up to 1,000 times.

Improve TASER® Performance

Holds peak power for up to 100 discharges
(vs. only 10-15 for alkaline batteries)

Consistent performance in cold weather to -20° F
(alkaline batteries must be > 40° F for best results)

Convenient

Charge batteries in weapon through data port, or

Charge batteries in magazine, or

Charge both at the same time

Recharge once every two weeks

Intelligent quick-charge system charges in 1 to 4 hours

* Assumes $1 per battery for standard alkaline batteries, 8 batteries per magazine, up to 1,000 battery changes.

TASER® Certified Batteries

Unlike older Nickel-Cadmium (NiCad) batteries, the TASER Nickel Metal Hydride (NiMH) batteries will never develop a memory problem. You don't have to worry about fully discharging batteries before recharging. In fact, the TASER battery charger uses an intelligent microprocessor to calibrate the batteries carefully to avoid overcharging and ensure a quick, accurate, full charge every time. Further, TASER battery terminals are certified compliant with the ADVANCED TASER battery magazine. **CAUTION: Some other brand NiMH batteries may have a non-conductive terminal cover that can cause weapon failure.**

Convenient Charging

You can recharge 2 ways: plugged directly into your ADVANCED TASER, or with the battery magazine placed in the charger. In fact, you can charge two sets of batteries overnight -- one in the weapon and another set in the charger (the charger will intelligently charge the weapon first, then the extra battery magazine). Color coded LED's indicate when power is on, when charging, and when charging is complete.
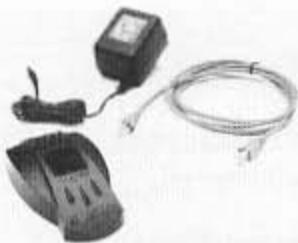
TASER Battery Charger
Model #44710

Includes battery charger base, 110 V power transformer (220 V available upon request), and data port charging cable. Compatible with most AA NiMH Batteries.

Set of 8 TASER Batteries
Model #44700

Includes 8 NiMH batteries plus a spare battery magazine. Batteries rated to 1500 mAh at 1.2 V. Terminals are carefully specified to ensure compatibility with ADVANCED TASER.

Complete Rechargeable TASER Battery System
Model #44705

Includes 8 NiMH batteries, spare battery magazine, charger, power transformer and data port charging cable.

TASER International, Inc.
7860 E. McClain Drive, Suite #2, Scottsdale, Arizona 85260 USA
(800) 978-2737 * (480) 905-2000 * Fax (480) 991-0791
www.TASER.com * Sales@TASER.com

ADVANCED TASER M26

Field Use Reports Analysis

Overall Success Rate:

Total # Reports: 1645
SuccessRate: 94.59%

Success By Level of Deployment

Level	Success	Total
-	No	1
-	Yes	63
Darts Fired at Subject	No	63
Darts Fired at Subject	Yes	957
Laser Only	No	3
Laser Only	Yes	238
Spark Demo	No	1
Spark Demo	Yes	35
Stun Gun Application	No	21
Stun Gun Application	Yes	246

Distance of Firings

Distance	Number of
-	377
3-7 Feet	358
7-11 Feet	311
11-15 Feet	166
1-3 Feet	129
15-21 Feet	29

Success By Distance

Distance	Success	NUMBER
-	No	15
-	Yes	362
1-3 Feet	No	5
1-3 Feet	Yes	124
11-15 Feet	No	13
11-15 Feet	Yes	153
15-21 Feet	No	2
15-21 Feet	Yes	27
3-7 Feet	No	18
3-7 Feet	Yes	340
7-11 Feet	No	21
7-11 Feet	Yes	290

Length of TASER Discharge

Duration	# of
-	463
1 sec	9
2 sec	20
3 sec	31
4 sec	18
5 sec	443
B	1
More than one cycle	279

OC vs TASER

OC Performance	# of Incidents	TASER Performance (Yes = Effective)
Effective		
	14	No
	55	Yes
Ineffective		
	19	No
	94	Yes

of Shots Fired

Shots fired	#
1	902
2	59
2D	58
3	14
4	3
5	1

of Probes That Hit Suspect

# of	# of
1	57
2	615
3	5
4	1

Types of Incidents Involving M26

Officer Assault	73	4.44%
Warrant Service	93	5.65%
Barricaded	99	6.02%
Civil Disturbance	191	11.61%
Suicidal	267	16.23%
Resisting Arrest	483	29.36%
Violent	531	32.28%

Suspect Force Levels of Incidents

Deadly Assault	34	2.6%
Defensive Resist	346	26.6%
Active Aggression	453	34.8%
Verbally Non-Comp	467	35.9%
Total Incidents	**1300**	

Types of Suspect Weapons Involved in TASER Incidents

Blunt Weapon	40	2.4%
Firearm	53	3.2%
Edged Weapon	203	12.3%

% of Total Uses = 1,645

Suspect Influences

PCP	16	1.0%
Misc. Drugs	15	1.0%
Cocaine	75	4.6%
Meth	63	3.8%
EDP (Emotionally Disturbed Persons)	379	23.0%
Alcohol	617	37.5%

FAILURES – Stungun Mode

Failure Cause	# of Incidents
Low Nerve / Muscle	10
Weapon Problem	4
Low Battery	2
Miss	2
Clothing	1
Single Dart	1

FAILURE PROBLEMS - DARTS FIRED

Failure Cause	# of Incidents
Clothing	23
Single Dart	14
Miss	13
Unknown	10
Operator Error	6
Low Muscle Area	5

Low Nerve / Muscle	4
Low Battery	3
Animal Use	2
Cartridge Failure	2
Dropped / Broken	2
Propped Up	2
Door Closed	1
Weapon Problem	1

FAILURES: Of All Uses

Failure Cause	*# of Incidents*
Clothing	24
Miss	15
Single Dart	15
Low Nerve / Muscle	13
Unknown	10
Low Muscle Area	6
Operator Error	6
Low Battery	5
Weapon Problem	5
Decided not to use	3
Dropped / Broken	3
Animal Use	2
Cartridge Failure	2
Propped Up	2
Door Closed	1

Location of Incident

Location	*# of Incidents*
Indoor	405
Jail / Hospital	188
Outdoor	894

Suspect Injuries

Suspect Injury Level	# of Incidents
None	1443
Minor	176
Moderate	19
Severe	7

Officer Injuries

Office Injury Level	# of Incidents
None	1565
Minor	74
Moderate	5
Severe	1

Data Port User Manual
V.16

TASER INTERNATIONAL, INC.
Version 16 Copyright 2000 - 2006

WARNING!!!
Note: Failure to follow safety precautions and instructions contained in this document may result in serious injury and/or damage to equipment. TASER International, Inc. assumes no liability for not following established procedures.

Pre-Installation Information:

- Uninstall all previous versions of the X26 dataport software and FTDI USB drivers before installing the latest version. See page 24 for instructions for Windows 98se and Windows ME. See page 29 for instructions for Windows 2000 and Windows XP.

- The installation is a two-step process. The X26 dataport software is installed first and followed by the driver installation.

- Driver installation instructions vary slightly depending on your Windows operating system. To determine your operating system, see *MINIMUM SYSTEM REQUIREMENTS* on page 4.

- Windows XP users: The workstation must be disconnected from your LAN prior to installation.

- Administrative privileges for the workstation are needed when installing X26 dataport software and USB drivers. Contact your department help desk if you receive an access denied message during installation.

- This document is intended to provide basic operational instructions for more detailed information and technical support, contact TASER International at 800-978-2737 or email us at support@taser.com or view the X26 Download Troubleshooting Guide at http://www.TASER.com.

- Downloading and/or saving data from the X26 does not erase the data from the X26 memory. There are no options for users to erase data from the X26 memory.

- Ensure the computer time and time zone information is correct prior to downloading.
.

TABLE OF CONTENTS

SAFETY PRECAUTIONS

Prior to Inserting USB cable into the X26, complete the following steps:

1. Ensure that the X26 Safety is in the down (SAFE) position.

2. Remove the TASER Cartridge from the X26.

3. Do not attempt hardware installation if the USB cable is damaged.

MINIMUM SYSTEM REQUIREMENTS

Software Components

Operating System:	Windows 98se/ME/2000/XP with latest Service Pack
Internet Explorer:	Version 5.5 or Higher
Disk Space:	100K of available disk space
Communications Ports:	1 available USB port

Hardware Components

X26 USB Interface Kit

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TASER International
17800 N. 85th St.
Scottsdale AZ 85255-9603

Internet: http://www.taser.com
Email: support@taser.com

INSTALLING X26 DATA PORT SOFTWARE

1. Close all running programs.

2. Windows XP users, unplug from the LAN. Your network cable is similar to a phone cord but has a larger jack and a thicker cord.

3. Insert The CD, and after a short delay the setup program will appear. Click **Install Taser X26 Software** (Figure 1).

   Note: If the X26 installation screen does not appear automatically, click **My Computer** and double-click the CD drive titled **TASER**. If the installation screen still does not appear, download the software from the TASER Web site or contact customer service for a replacement CD.

Figure 1

4. Follow the onscreen prompts to complete the software installation.

5. Plug the USB cable into the USB port. Do not insert the USB DPM into the weapon until the USB driver installation is complete.

6. The USB cable DPM will illuminate red and the FOUND NEW HARDWARE WIZARD window will appear.

INSTALLING USB DRIVERS: WINDOWS 98SE, ME, 2000

1. Click **Next** to continue (Figure 2).

Figure 2

2. Select the **CD-ROM drives** check box, clear all other check boxes, and then click **Next** (Figure 3).
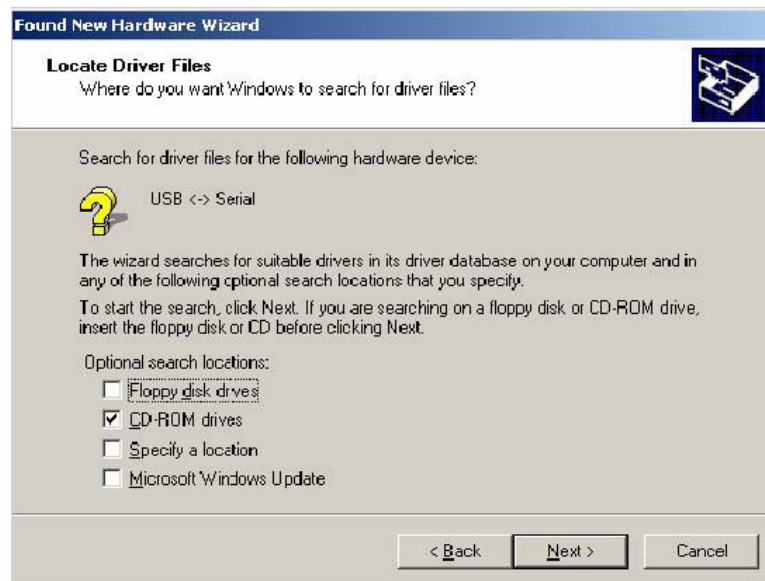
Figure 3

3. Click **Next** (Figure 4).
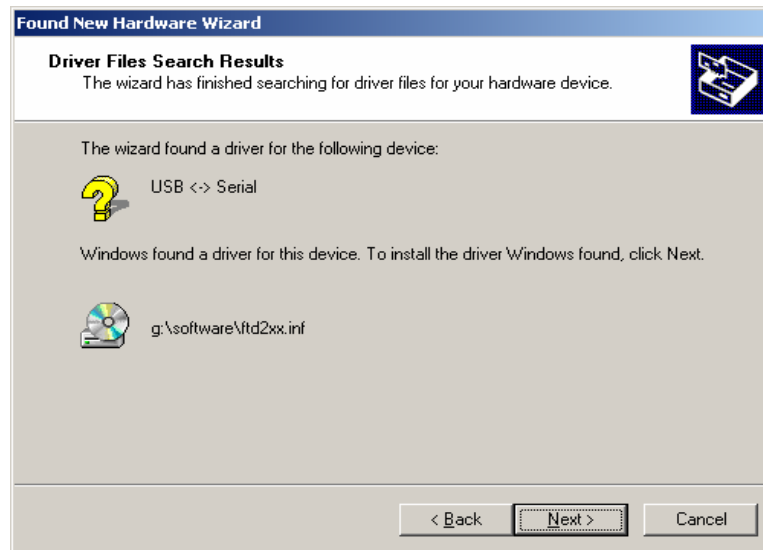
Figure 4

4. Click **Finish** to complete the hardware installation (Figure 5).

Figure 5

5. Installation is complete. You can remove the CD.

INSTALLING USB DRIVERS: WINDOWS XP

1. In the **Found New Hardware Wizard** dialog box, select **Install the Software Automatically (Recommended)** and click **Next** (Figure 6).

   Note: If the system displays a prompt asking if you want to connect to the internet for a suitable driver, select **No, not at this time** and continue.

Figure 6

2. Select **FTDI FT8U2XX Device** and click **Next** (Figure 7).
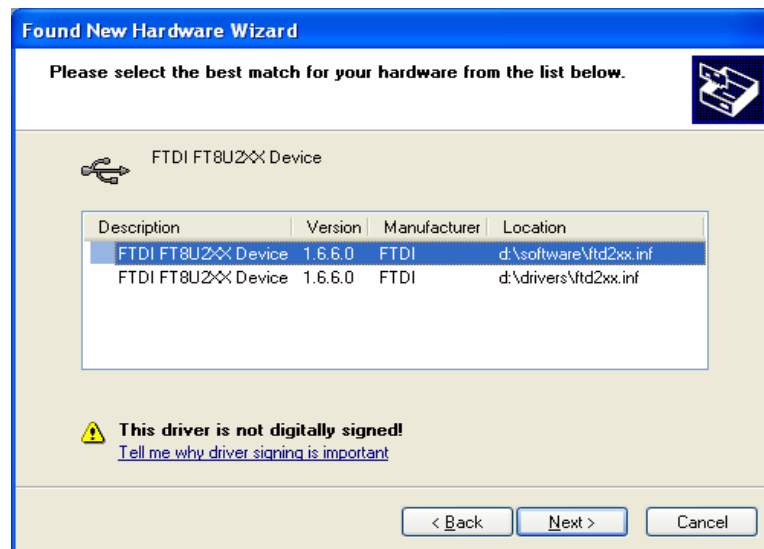
Figure 7

3. In the Hardware Installation dialog box, click **Continue Anyway** (Figure 8).

Figure 8

4. Click **Finish** to complete the hardware installation (Figure 9).

Figure 9

5. Installation is complete. You can remove the CD.

6. Reconnect your network cable (if applicable).

CLOCK OPERATION AND INFORMATION

- The clock in the X26 is an industry standard clock using a crystal similar to clocks in other electronic devices. While the clocks are generally reliable, the clock can drift several minutes per month. This is normal and is inherent in the design of the clock. The clock is not intended to be extremely accurate similar to an atomic clock.

- The X26 internal clock is set to Greenwich Mean Time (GMT) only, The download files will include both GMT and local time..

- When a download is attempted, the software compares the clock time and the time zone settings on your computer (Date and Time Properties) to the hour setting in the weapon. **Note:** The time zone selected on your computer represents the number of hours between local time and GMT. For instance, if the computer is set to EST, the software will look for a 5-hour difference between the hour setting in the weapon and the hour setting on the computer.

- The software will then compare the minute setting on your computer and the minute setting in the weapon.

- Finally, the software will check to see if you have selected the "Are you currently on Daylight Savings Time" box on the Welcome page and adjust the hour comparison accordingly. For instance, in the above example, if the DST box is checked, the software will look for a four hour difference instead of five.
  Note: Selecting the Daylight Savings Time box on the computer has no effect on the download software. The software only looks at the DST box on the Welcome screen.

- If the date, hour, or minute comparison does not match (within ±10 minutes), the software will display a "TIME DISCREPANCY" message.

- Most often, this is due to the drift of the computer clock. The software will prompt you to double-check the time and time zone on your computer to ensure that it is accurate. If the computer time is accurate, the weapon clock may have drifted, or it might have been synchronized to a different computer with an inaccurate time.

- TASER International highly recommends using one computer for downloading unless multiple computers are connected to a network that synchronizes the computers to minimize the chances of a time discrepancy.

- The time recorded in the download data log represents the end of the firing cycle, not when the trigger is pulled. The X26 only records the total duration of each firing, not each trigger pull. If the trigger is pulled multiple times in one cycle (e.g., double tapping), this will not be indicated in the download data.

DOWNLOADING DATA FROM THE X26

GENERAL OPERATING NOTES:

- THE X26 INTERNAL CLOCK IS SET TO GMT (GREENWICH MEAN TIME). DOWNLOAD FILES WILL INCLUDE BOTH GMT AND LOCAL TIME BASED ON THE TIME ZONE SETTINGS ON YOUR COMPUTER AND THE DAYLIGHT SAVINGS TIME. CHECK BOX ON THE X26 WELCOME SCREEN.

- THE TIME RECORDED IN THE DOWNLOAD DATA LOG REPRESENTS THE END OF THE FIRING CYCLE, NOT WHEN THE TRIGGER IS PULLED.

- THE X26 ONLY RECORDS THE TOTAL DURATION OF EACH FIRING, NOT EACH TRIGGER PULL. IF THE TRIGGER IS PULLED MULTIPLE TIMES IN ONE CYCLE (E.G. DOUBLE TAPPING), THIS WILL NOT BE INDICATED IN THE DOWNLOAD DATA.

- DOWNLOADING AND/OR SAVING DATA FROM THE X26 DOES NOT ERASE THE DATA FROM THE X26 MEMORY. THERE ARE NO OPTIONS FOR USERS TO ERASE DATA FROM THE X26 MEMORY.

- THE FIRST TIME THE DATAPORT DOWNLOAD SOFTWARE IS USED YOU MUST ENTER THE "DOWNLOADED BY" INFORMATION. THIS INFORMATION WILL BE STORED FOR ALL SUBSEQUENT USES (Figure 10).

1. Verify that the computer time and time zone information are correct.

2. Click the **Taser X26 Dataport** desktop icon.

   Note: The first time the dataport download software is used, you must enter the "downloaded by" information. This information will be stored for all subsequent uses (Figure 10).

3. Insert the USB cable into the computer. The USB DPM will illuminate red if the cable is connected correctly.

4. Ensure the X26 safety switch is in down (SAFE) position and remove the TASER Cartridge.

5. Insert the USB DPM into the X26. After a few seconds the USB DPM illumination will change from red to green and a 'U' will appear on the X26 CID. **Note:** If the cable does not turn green, remove and reinsert the cable in the computer and X26.

6. Select the **Daylight Savings Time zone** check box if your time zone is currently on daylight savings time.

7. Click the **Download X26** button (Figure 10).

Figure 10

8. If the **ALERT Time Discrepancy** dialog box (Figure 11) appears, the date/time on your computer is not within ±10 minutes of the weapon time. See the *CLOCK OPERATION AND INFORMATION* section and perform the following steps. You will not be able to proceed until resolving the time discrepancy.
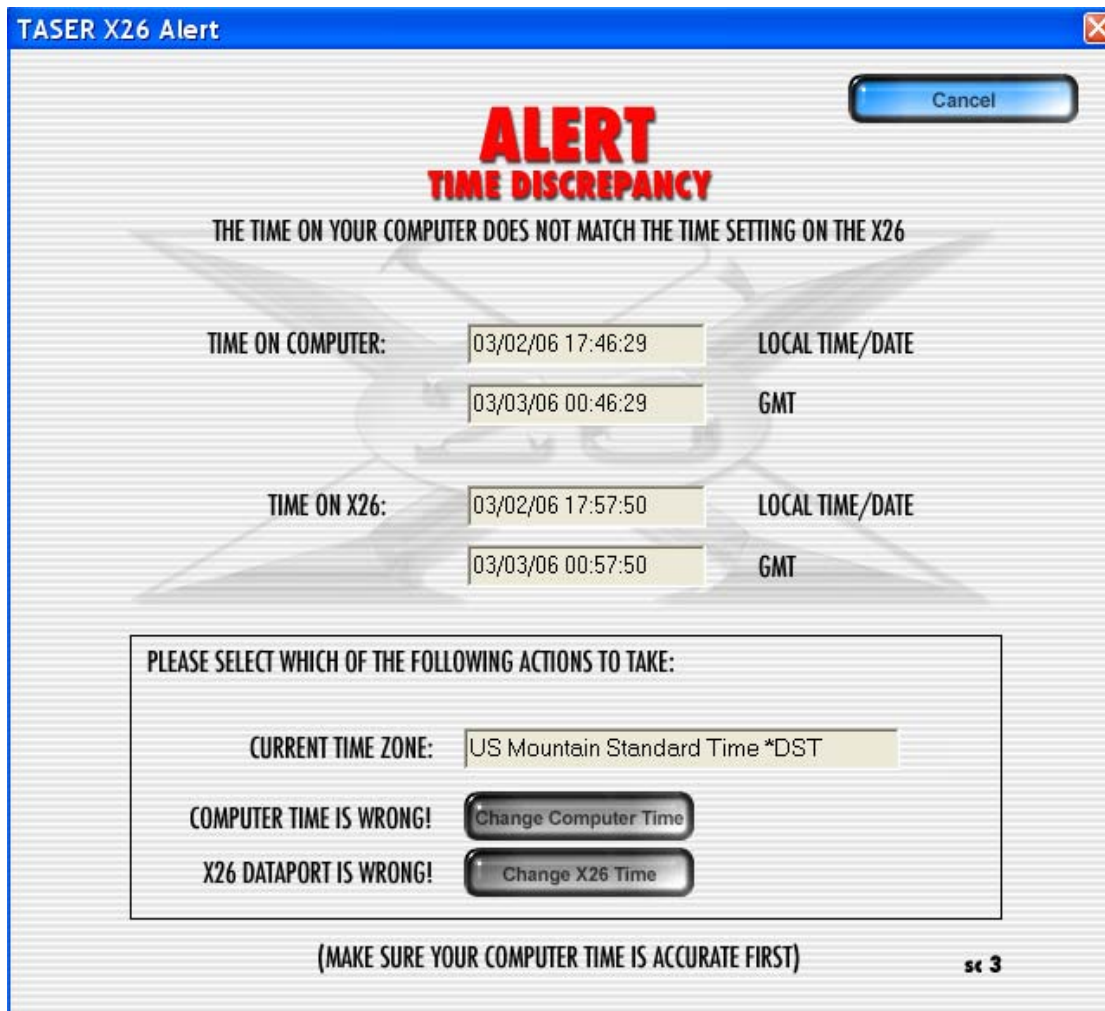
Figure 11

   a. Check the computer time displayed on the ALERT page. If the computer time is incorrect, click **Change Computer Time** to open the Windows Date/Time box and adjust the time. Proceed to step 9.

   b. Check the X26 time displayed on the ALERT page. If the X26 time is incorrect, click **Change X26 Time**.

c. A **PLEASE CONFIRM** dialog box (Figure 12) will appear to verify that you want to change the time in the X26. Changing the time requires the (case-sensitive) password located on the CD case. You also can obtain the password by contacting TASER International Technical Support at 1.800.978.2737.
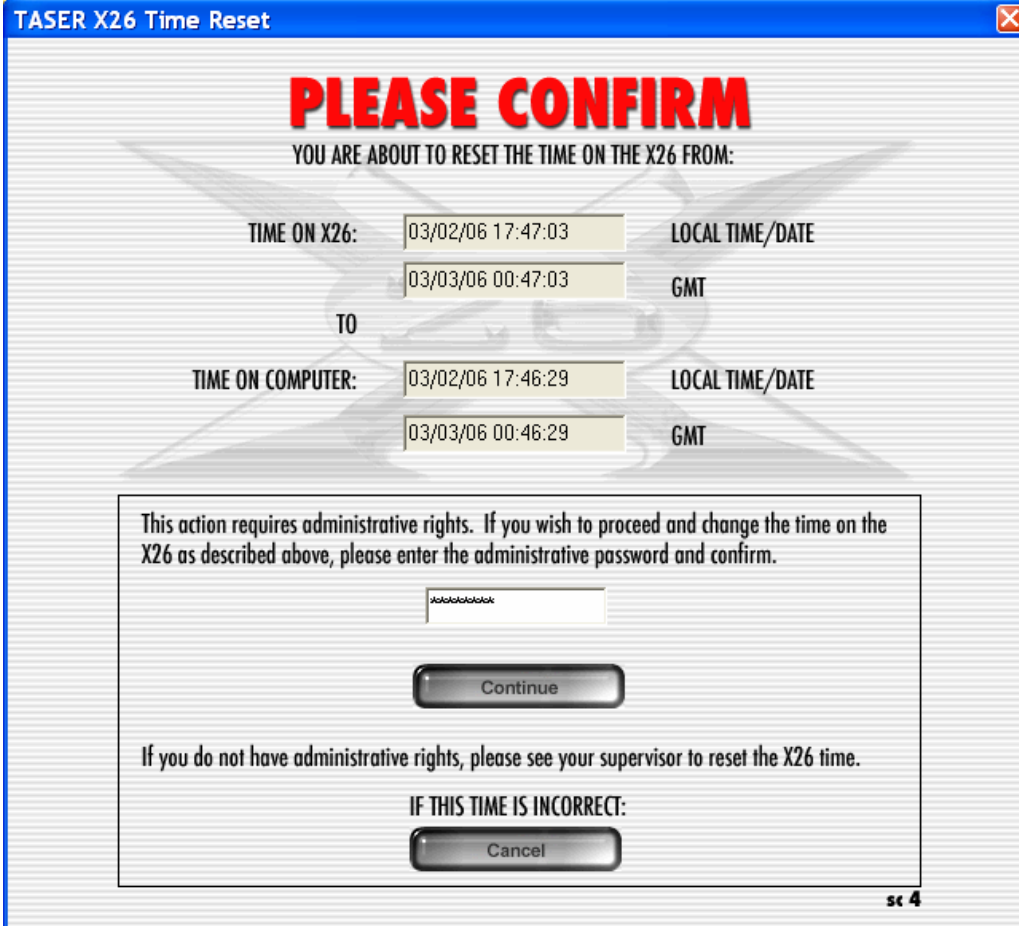
Figure 12

d. Type the password and click **Continue**.

Note: Changing the time on the X26 does not change the time stamp on previous firing records stored in the X26 and both the old (FROM) and new (TO) times are displayed on the firing record.

9. Select the desired date range or **DOWNLOAD ALL FIRING DATA** and click **Continue** (Figure 13).

    Note: If the date range is selected, time change records that overlap dates outside the range may be inaccurate.
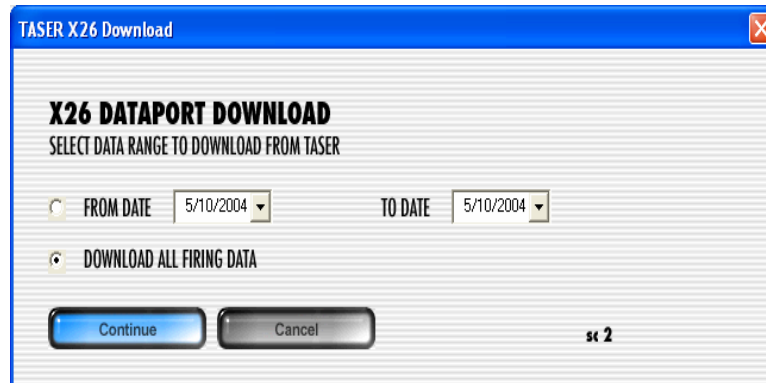
Figure 13

10. The **Download Progress** dialog box will confirm download progress (Figure 14).
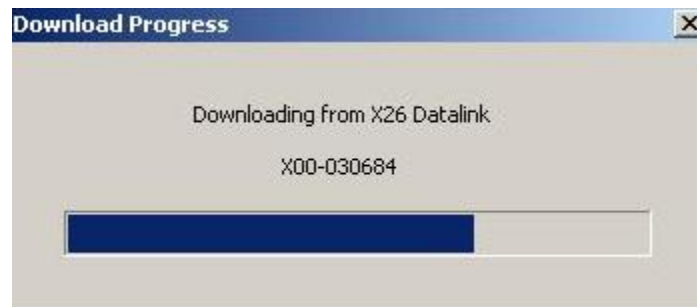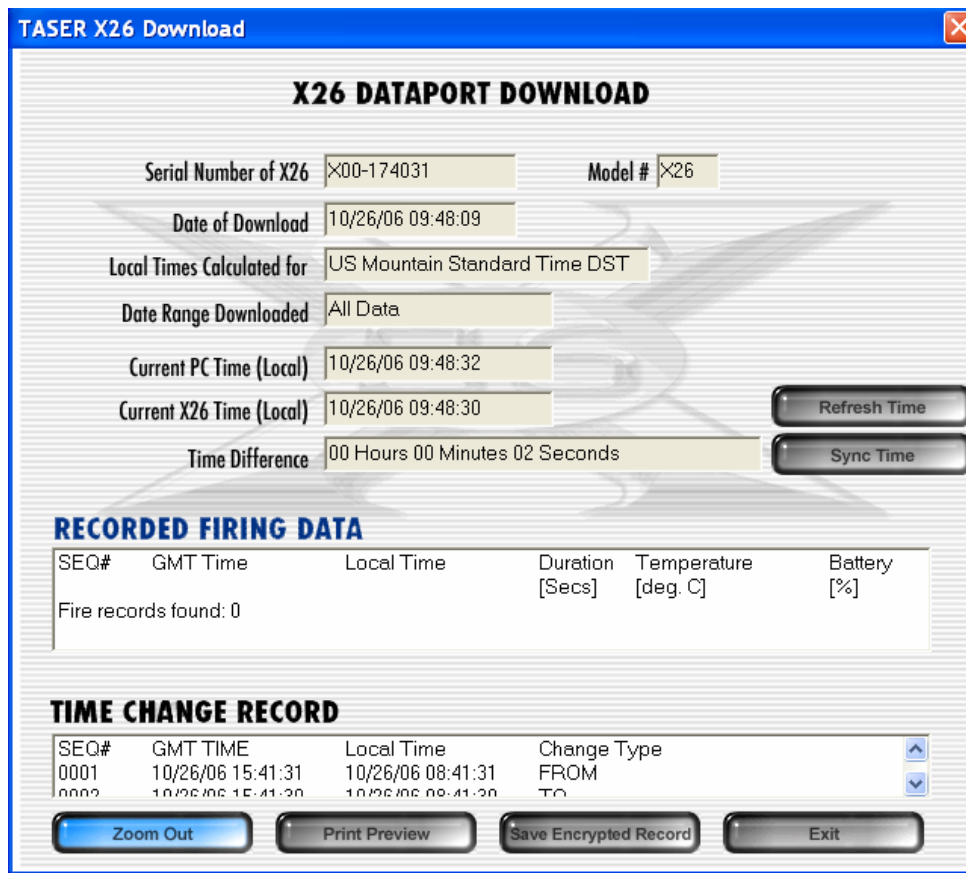
Figure 14

11. The **X26 Dataport Download** screen provides options for refreshing the weapon time, viewing, printing and saving data (Figure 15).

Figure 15

Notes:

- The X26 only records each firing, not each trigger pull. If the trigger is pulled multiple times in one cycle (double tapping) it will not be indicated on the report.

- The time recorded in the download data log represents the end of the firing cycle.

- The temperature is the internal X26 temperature.

- Time changes provide a log of all changes to the X26 internal clock. If the X26 internal clock has never been updated, this area is blank.

12. There are three options for viewing information: **Zoom Out, Print Preview, and Save Encrypted Record** (Figure 15).

13. The **Zoom Out** option (Figure 15) provides an expanded view of the recorded firing data and time change records in separate lists (Figure 16).

Figure 16

14. The **Print Preview** option (Figure 15) provides a preview of printed records in the print format. A dialog box will appear with the option to combine the time records with the firings records in one chronological list (Figure 17).

Figure 17

15. A partial screen will appear showing the heading section of the printout. You can scroll through the entire report if desired (Figure 18).

Figure 18

Note: If the X26 Dataport software cannot download the data associated with a particular firing cycle, "Incomplete Data" will be displayed under the GMT Time column (Figure 19).
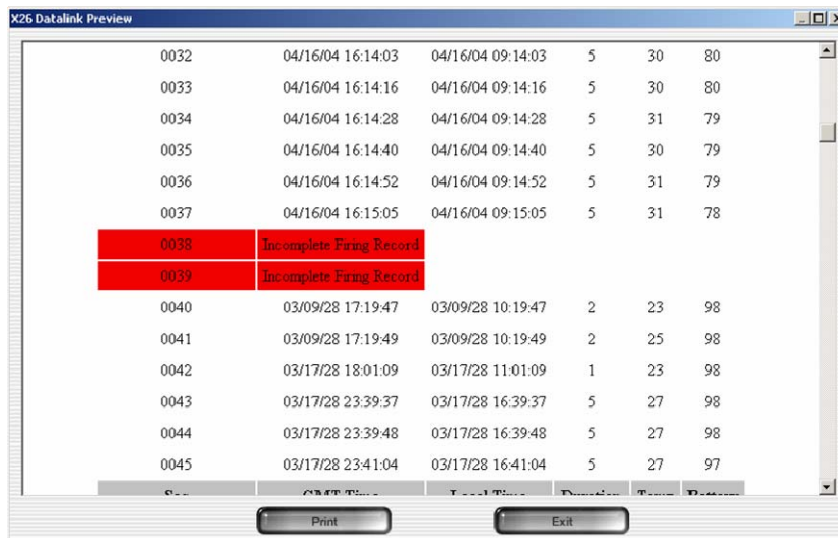
Figure 19

16. Click **Print** (Figure 15) to print the firing report (Figure 20).

TASER INTERNATIONAL®

TASER Information		**Downloaded By**	
Serial #	X00-174031	Name	John Szakach
Model #	X26	Dept	TASER
X26 Software Version	18	Rank	Captain
Dataport CD Version	16.0	Windows Version	Microsoft® Windows NT(TM) Service Pack 2
Record Date Range	All Data		
Computer Time Zone	US Mountain Standard Time	Report Generated	10/26/06 09:51:02 (local)
Using Daylight Savings Time	No		
X26 Warranty Date	10/26/10 State: Active		

Recorded Firing Data

Seq	GMT Time	Local Time	Duration	Temp	Battery
0001	10/26/06 15:41:31	10/26/06 08:41:31	Old Time		
0002	10/26/06 15:41:30	10/26/06 08:41:30	New Time		
0003	10/26/06 15:43:52	10/26/06 08:43:52	Old Time		
0004	10/26/06 15:43:53	10/26/06 08:43:53	New Time		
0005	10/26/06 16:50:09	10/26/06 09:50:09	5	26	45
0006	10/26/06 16:50:22	10/26/06 09:50:22	4	26	45
0007	10/26/06 16:50:35	10/26/06 09:50:35	9	27	45

End of Report.

Figure 20

17. The **Save Encrypted Record** option (Figure 15) stores the record for future access. The file name defaults to the weapon serial number and may be modified if desired. The file is saved as an ".x26" file and can only be viewed using the download software (Figure 21).
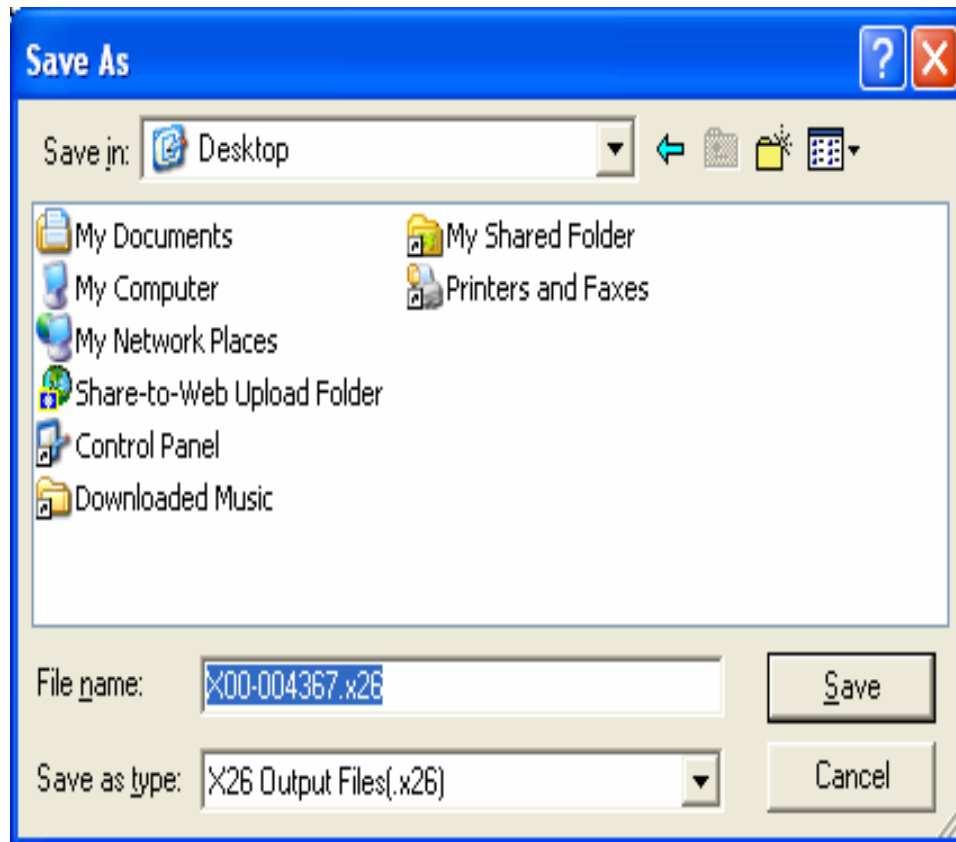

Figure 21

18. The **Refresh Time** option (Figure 15) updates the current time on the download page. Normally, the time on this screen does not increment while viewing.

19. The **Sync Time** option (Figure 15) synchronizes the X26 time to the computer time regardless of the time difference. This feature allows synchronizing the times when the difference is less than 10 minutes. The **Alert Time Synchronization** screen will appear and the instructions are the same as previously described (Figure 22).

20. A **PLEASE CONFIRM** dialog box will appear to verify that you want to change the time in the X26. Changing the time requires the (case-sensitive) password located on the CD

case. You also can obtain the password by contacting TASER International Technical Support at 1.800.978.2737 (Figure 22).

21. Type the password and click **Continue**.

Note: Changing the time on the X26 does not change the time stamp on previous firing records stored in the X26 and both the old (FROM) and new (TO) times are displayed on the firing record.
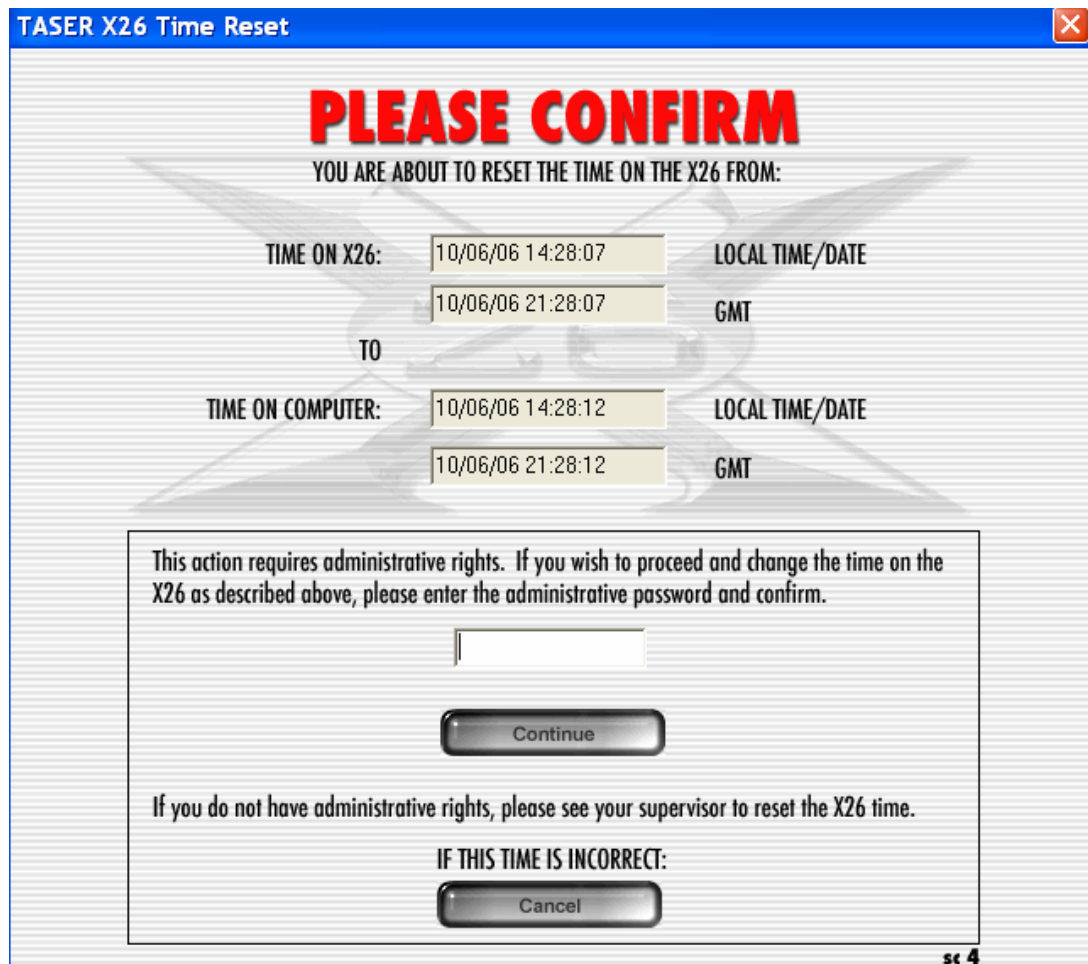

Figure 22

VIEWING A PREVIOUSLY SAVED RECORD

1. To view a previously saved record, select **View Saved Record** from the initial program screen Figure 23).

Figure 23

2. Select the desired file from the appropriate folder (Figure 24).
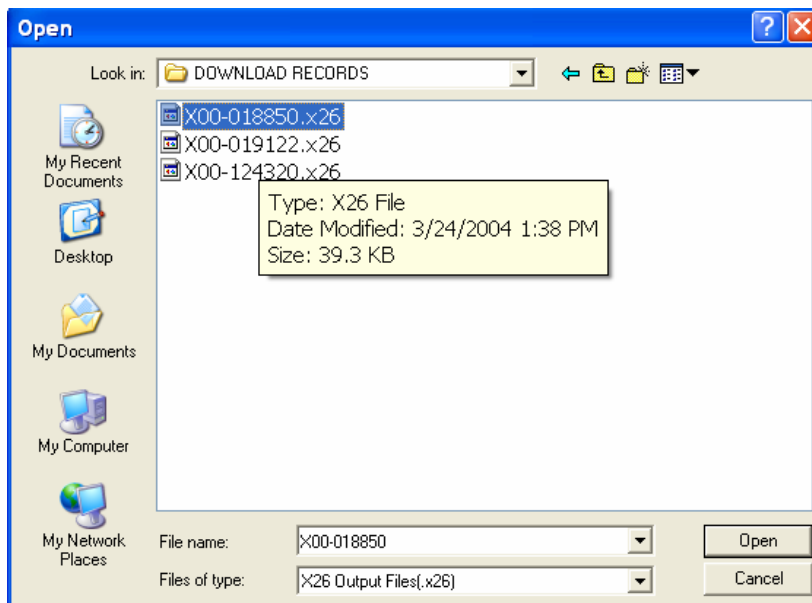
Figure 24

3. The remainder of the screens function the same as during a download (Figure 25).
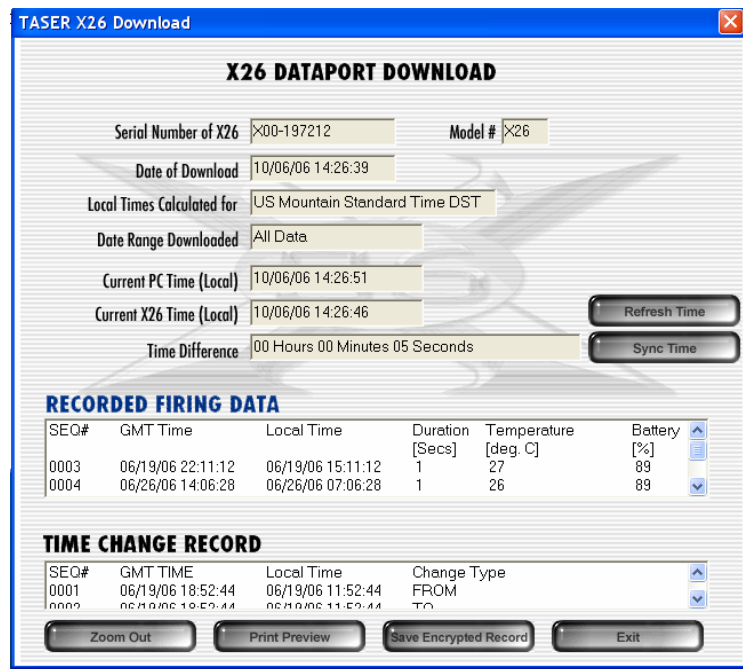
Figure 25

UNINSTALLING PREVIOUS VERSIONS OF THE X26 DATAPORT SOFTWARE AND DRIVERS

Windows 98se, Me

1. Click the **Start** button (located on the lower left corner of the screen).
2. Click **Settings** and then click **Control Panel** (Figure 26).
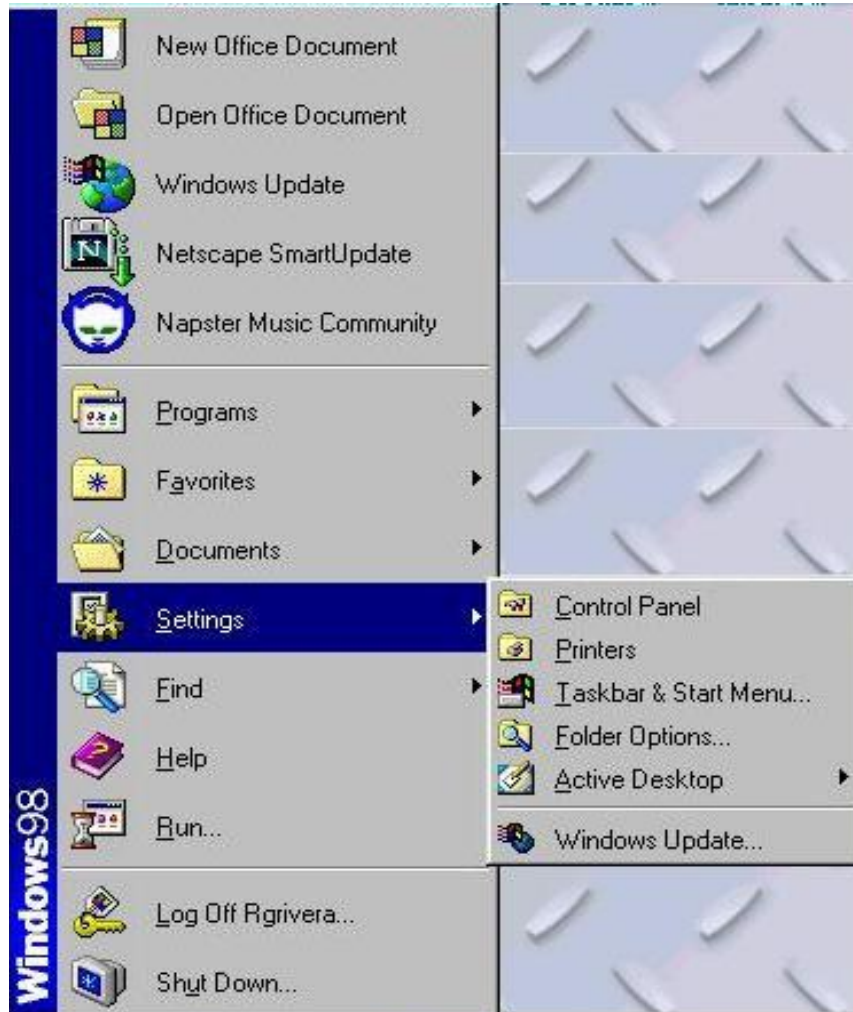
Figure 26

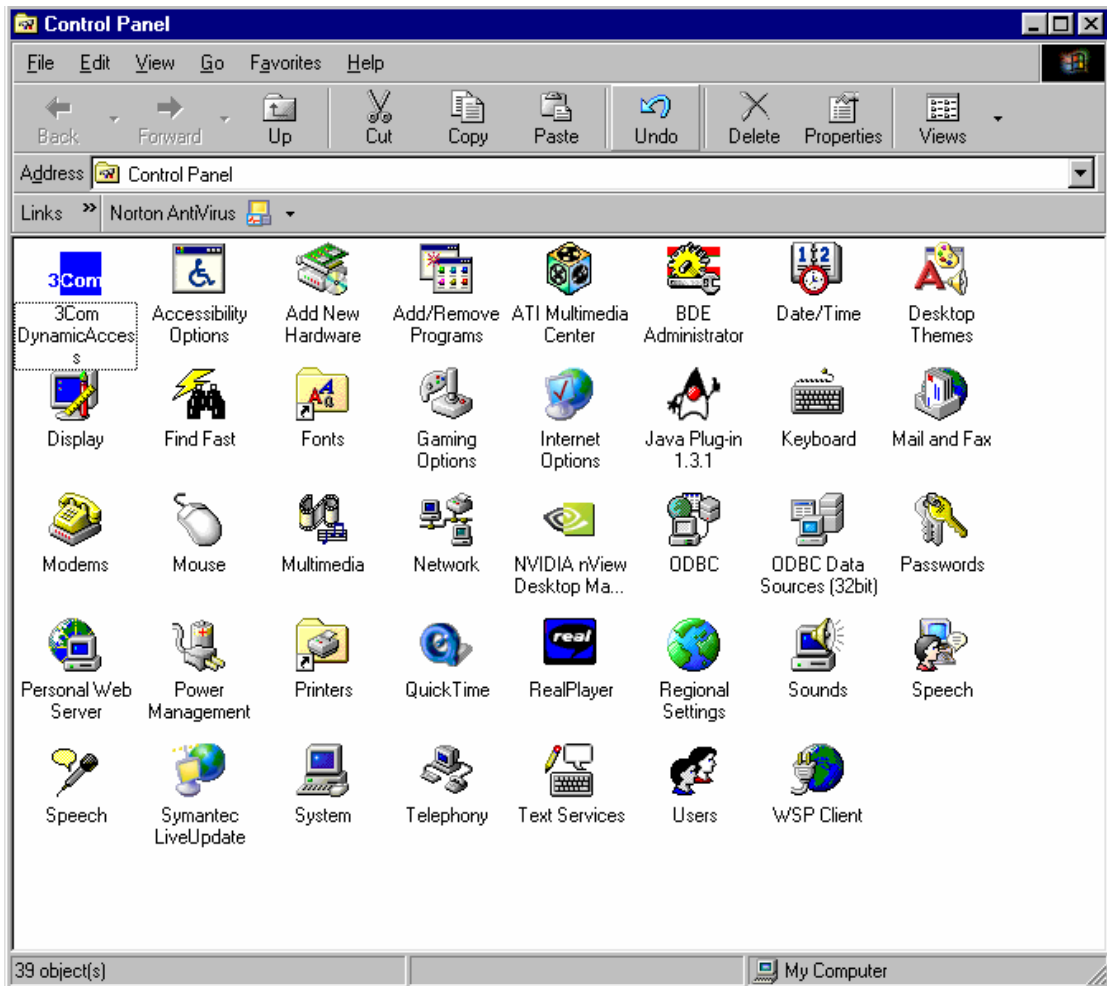3. Double-click the **Add/Remove Programs** icon (Figure 27).

Figure 27

4. Select **FTDI USB-to-Serial Converter Drivers** (Figure 28).
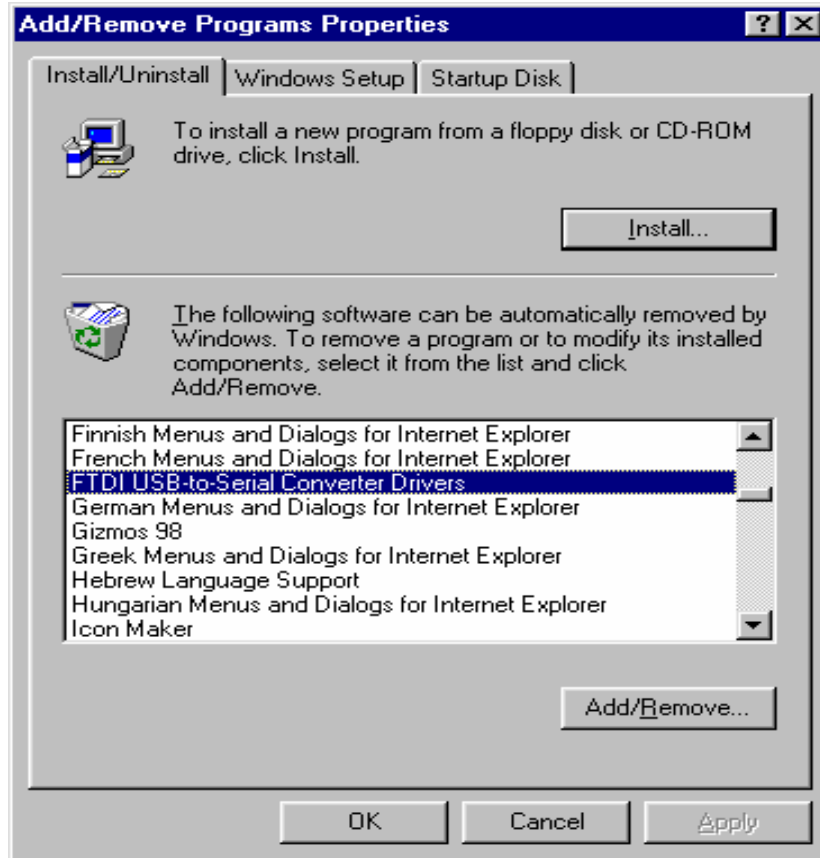
5. Click the **Add/Remove** button (Figure 28).

Figure 28

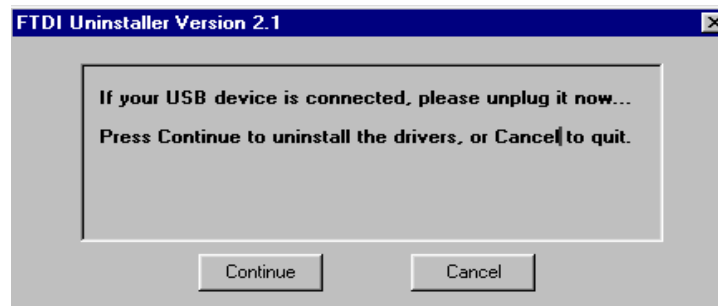6. Click **Continue** on the **FTDI Uninstaller** confirmation panel (Figure 29).

Figure 29

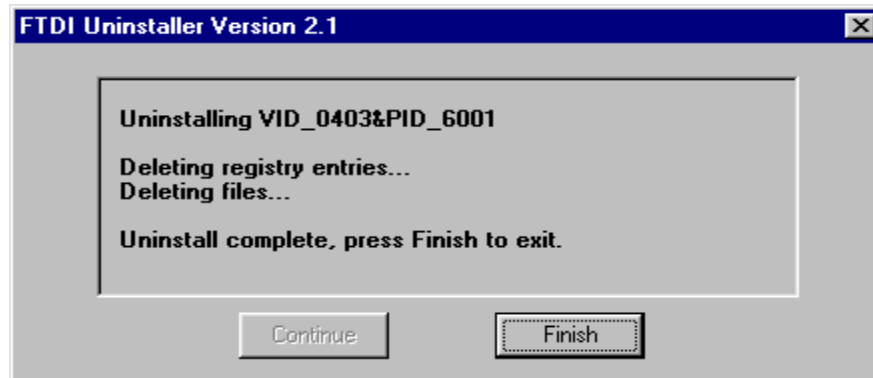7. Select **Finish** (Figure 30).

Figure 30

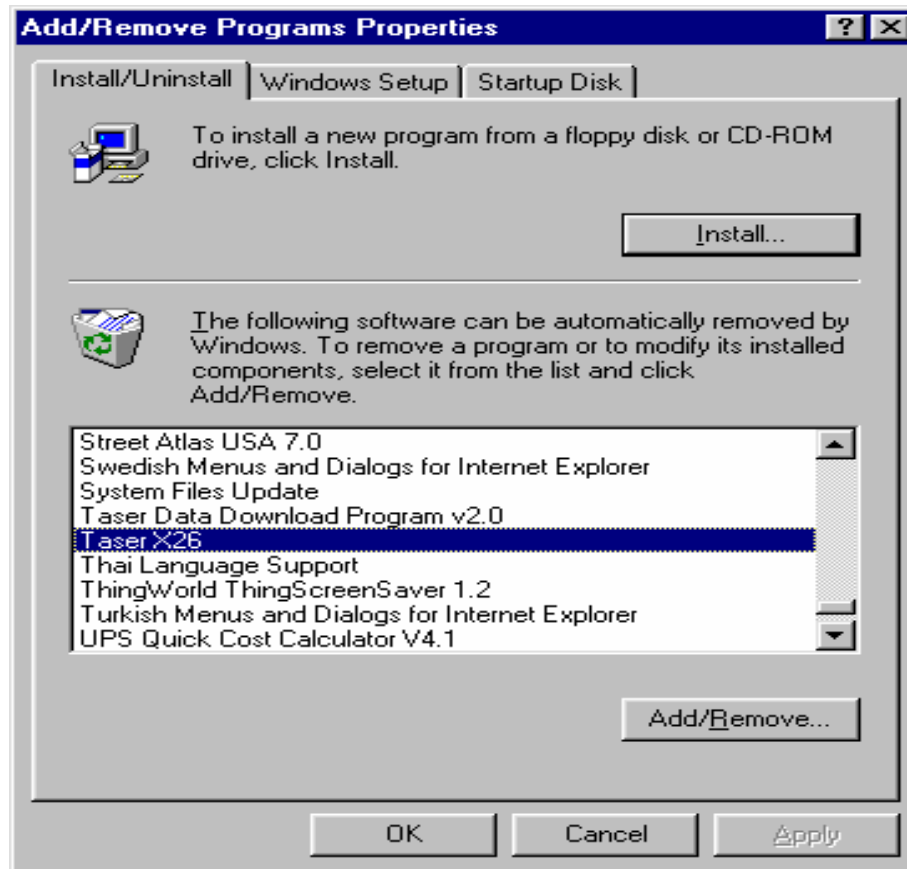8. Select **Taser X26** then click the **Add/Remove** button (Figure 31).

Figure 31

9. Click **Yes** on the **Uninstalling Taser X26** confirmation panel (Figure 32) and click **OK** when the uninstall is finished (Figure 33).
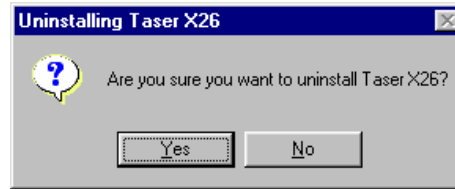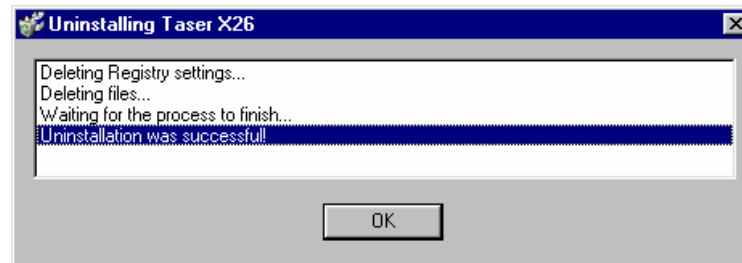

Figure 32

Figure 33

UNINSTALLING PREVIOUS VERSIONS OF THE X26 DATAPORT SOFTWARE AND DRIVERS

Windows 2000 and Windows XP

1. Click the **Start** button (located on the lower left corner).
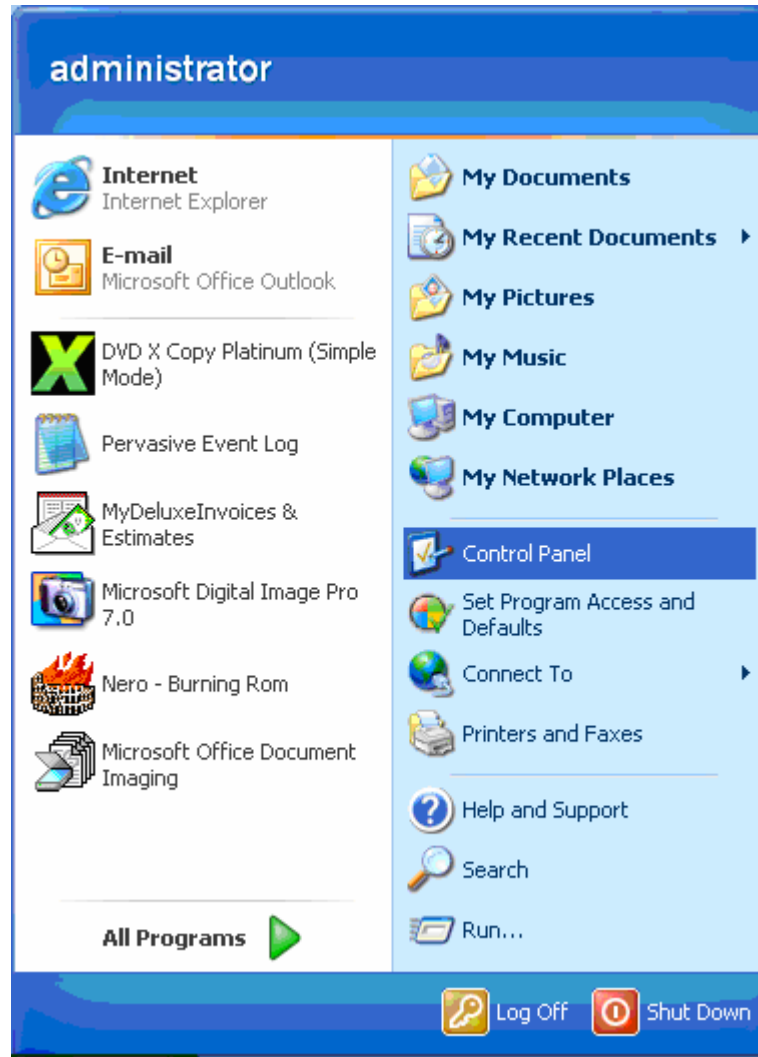2. Click **Settings** and then click **Control Panel** (Figure 34).

Figure 34

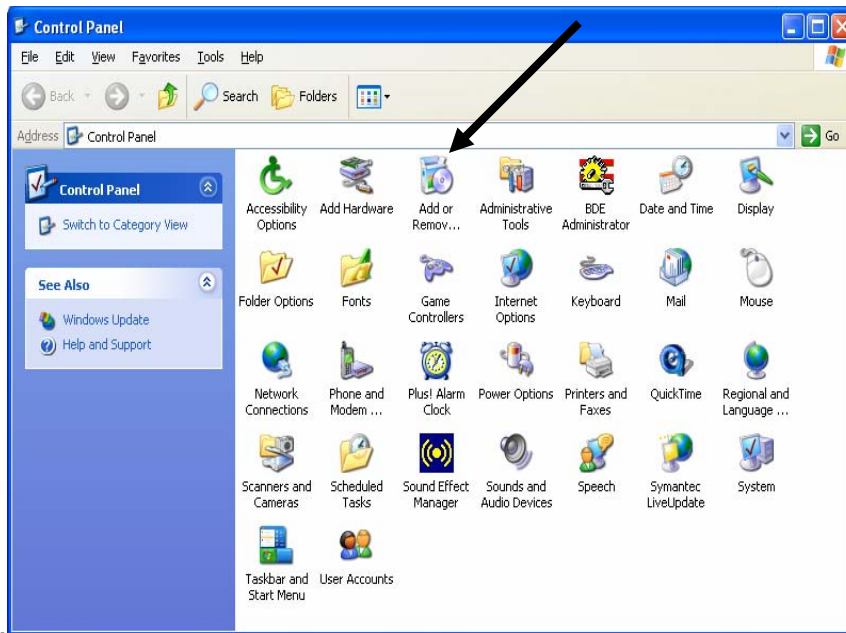3. Double click the **Add/Remove Programs** icon (Figure 35).

Figure 35

4. Click the "Change/Remove" button (Figure 36).

Figure 36

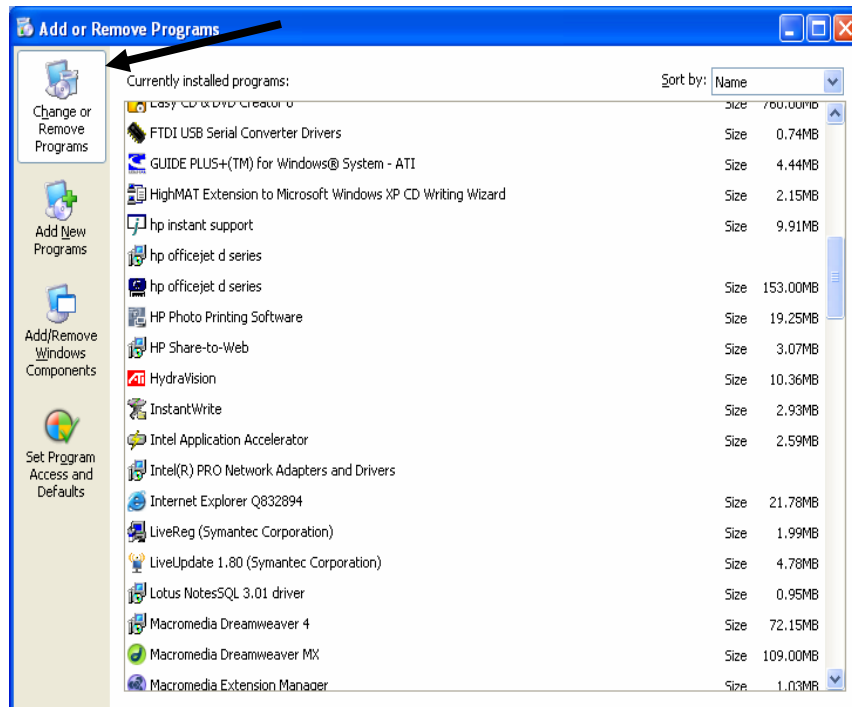5. Click **Change/Remove** in the **FTDI USB Serial Converter Drivers** section. (Figure 37).
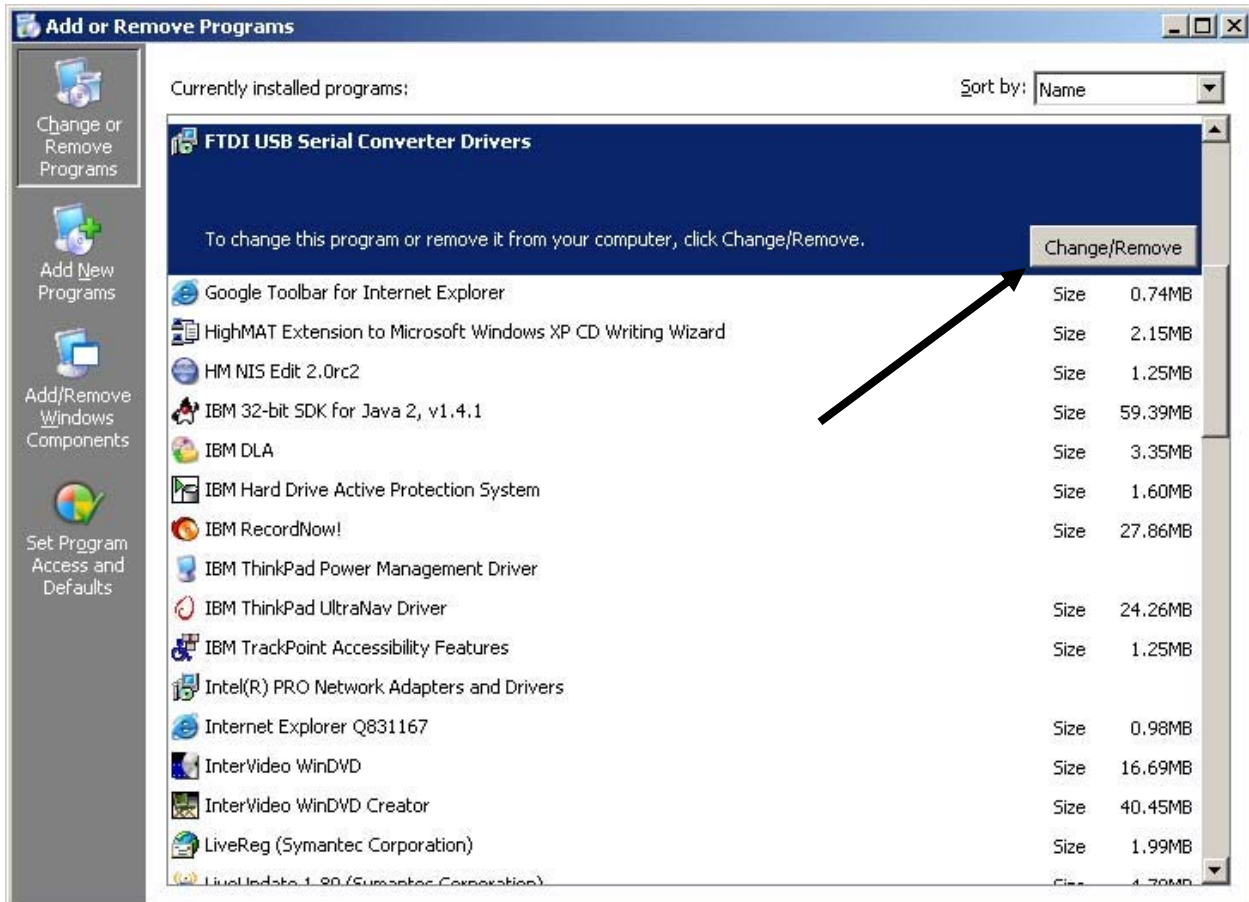
Figure 37

6. Click **Continue** on the **FTDI Uninstaller** confirmation panel (Figure 38).

Figure 38

7. Click **Finish** on the **FTDI Uninstaller** confirmation panel (Figure 39).

Figure 39

8. Select **Taser X26** on the **Remove Programs** page (Figure 40).

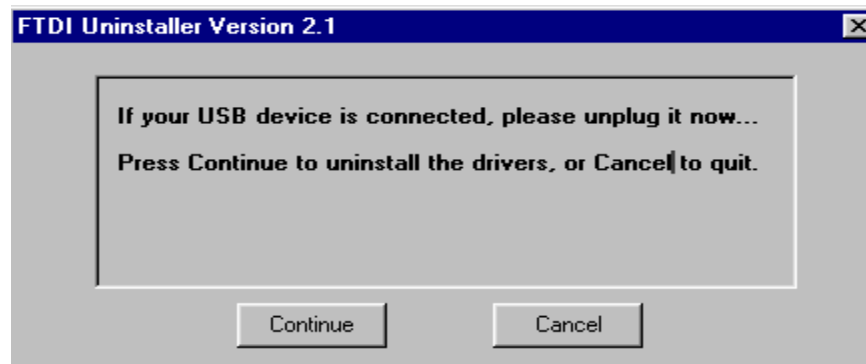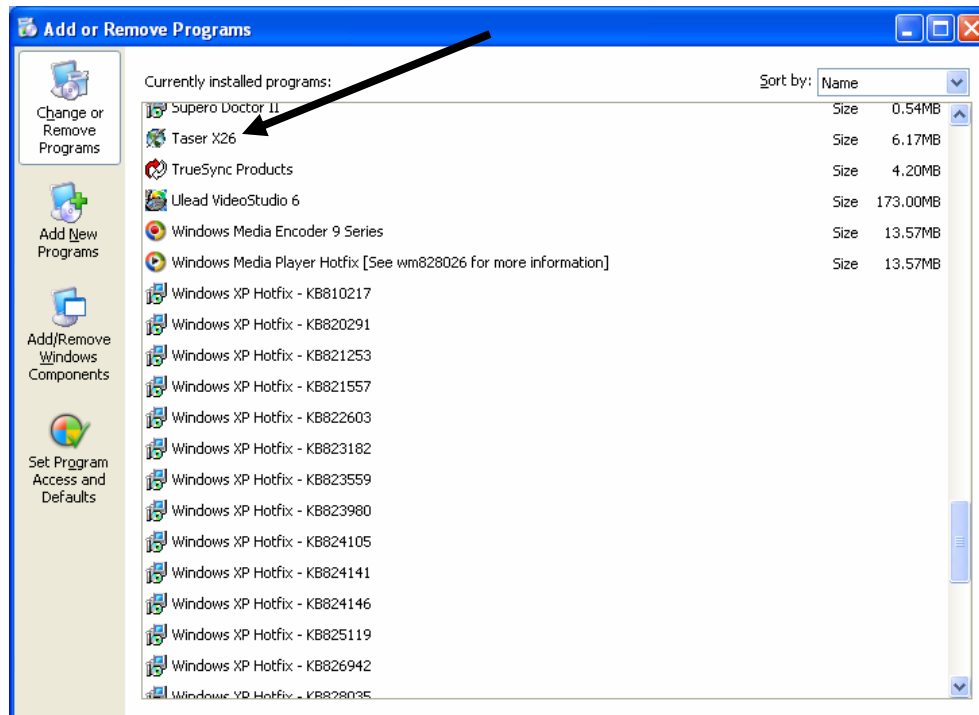**Figure 40**

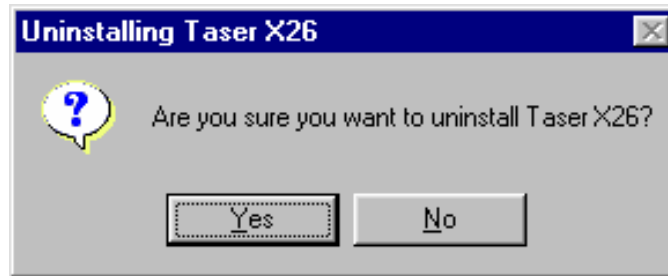9. Click **Yes** on the **Uninstalling Taser X26** confirmation panel (Figure 41).

Figure 41

10. Click **OK** when the uninstall is finished (Figure 42).
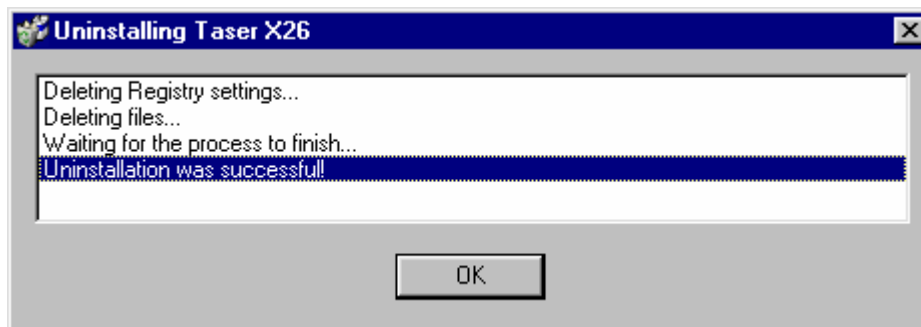
Figure 42

INSTALLING X26 DATAPORT SOFTWARE FROM THE INTERNET:

1. Go to http://www.taser.com/. Click the **LAW ENFORCEMENT** button, click **Support** on the left side of the page, and click the **USB Dataport** download link.

2. Click "USB Dataport (current version)" to download "setup.zip" to your desktop.

3. Close all running programs.

4. Windows XP users must unplug the computer from the network (LAN). Your network cable is similar to a phone cord but has a larger jack and thicker cord.

5. Double-click the **setup.zip** file on your desktop.

6. Double-click the **setup.exe** file and the installation program will begin.

7. Follow the on screen prompts to complete the software installation.

8. Plug the USB cable into the USB port. Do not insert the USB DPM into the weapon until the USB driver installation is complete.

9. The USB cable DPM will illuminate red and the FOUND NEW HARDWARE WIZARD window will appear.

INSTALLING USB DRIVERS FROM THE INTERNET: WINDOWS 98SE, ME, 2000

1. Click **Next** to continue (Figure 43).

Figure 43

2. Check the **Specify a Location** box, uncheck all other boxes, and then click **Next** (Figure 44).
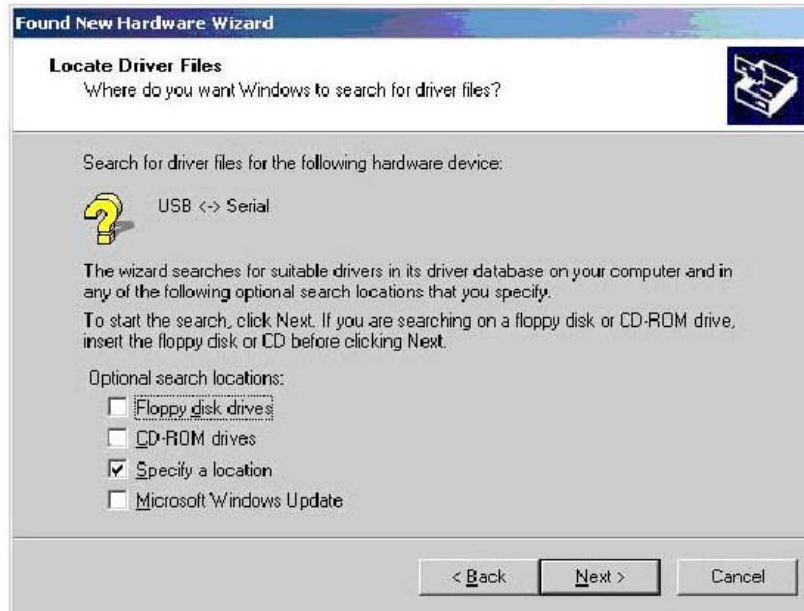
Figure 44

3. In the **Found New Hardware Wizard** dialog box, click the **Copy manufacturer's files** text box.

    a. Type the following line into the text box:

    ## C:\Program Files\Taser X26\X26 Usb Drivers

Figure 45

    b. Click **OK** (Figure 45).

4. Click **Finish** to complete hardware installation Figure 46).

Figure 46

5. Proceed to the *DOWNLOADING DATA FROM the X26* section on page 11.

INSTALLING USB DRIVERS FROM THE INTERNET: WINDOWS XP

1. In the Found New Hardware Wizard dialog box, select **Install from a list or specific location (Advanced)** and click **Next** (Figure 47).

   Note: If the system displays a prompt asking if you want to connect to the internet for a suitable driver, select **No, not at this time** and continue.

Figure 47

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2. Select **Search for the best driver** in these locations and select the **Include this location in the search** check box.

   a. Type the following line into the text box:.

      C:\Program Files\Taser X26\X26 Usb Drivers
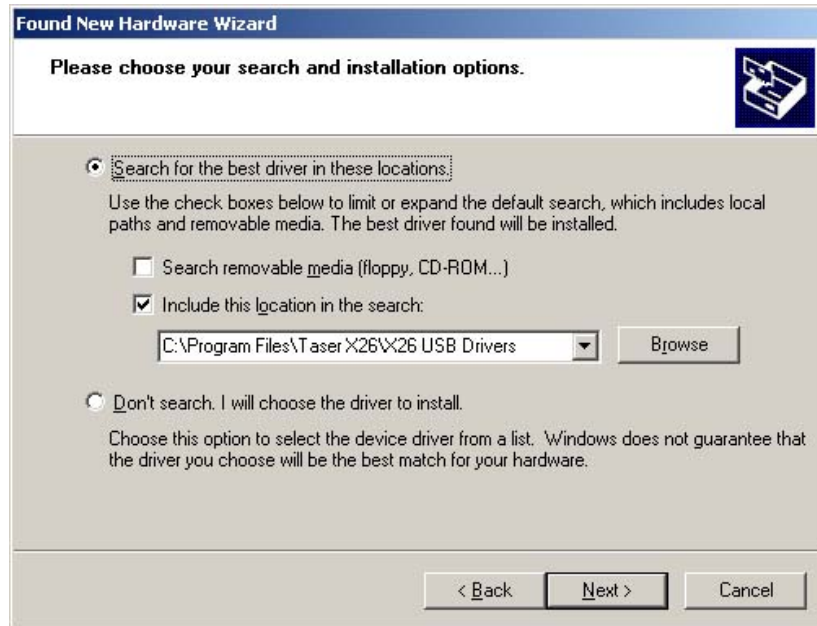
   b. Click **Next** (Figure 48).

Figure 48

3. In the **Hardware Installation** dialog box, click **Continue Anyway** (Figure 49).

Figure 49

4. Click **Finish** to complete the hardware installation (Figure 50).

Figure 50

5. Reconnect your network cable (if applicable).

6. Proceed to the *DOWNLOADING DATA FROM the X26* section on page 11.

TASER INTERNATIONAL USB DOWNLOADING TROUBLESHOOTING GUIDE

Symptom	When the USB cable is plugged into the computer, the USB DPM does not illuminate red. **OR** When the USB cable is plugged into the X26, the USB DPM does not change from red to green and/or the X26 CID does not display a "U".
Possible Cause	Verify the USB/X26 device is connected and that the X26 is powered up. The USB DPM cable may be damaged or a good connection might not have been made between the X26 and the USB DPM.
Remedy	Disconnect the USB DPM from the weapon and the computer. Wait a few seconds and reattach the USB DPM to the computer and then to the X26. If the problem persists, please contact TASER customer support at 800-978-2737.
Symptom	Removed CD before completing the driver installation. **OR** When the X26 Dataport Download software starts one of the following error messages is displayed: **"Error: Can't load USB device driver."** or **"FT_OPEN is not valid."**
Possible Cause	The driver installation was unsuccessful or was not performed during installation.
Remedy	Please refer to the X26 Dataport Download user's manual or contact TASER customer support at 800-978-2737 for help with correct driver installation.
Symptom	When "Download X26" is selected the following error message appears: **"USB device and/or X26 not found."**
Possible Cause	Verify the USB/X26 device is connected and that the X26 is powered up. The USB DPM cable may be damaged or a good connection might not have been made between the X26 and the USB DPM. Or, the driver installation was unsuccessful or was not performed during installation.
Remedy	Disconnect the USB DPM from the weapon and the computer. Wait a few seconds and reattach the USB DPM to the computer and then to the X26. If the problem persists, please refer to the X26 Dataport Download user's manual or contact TASER customer support at 800-978-2737 for help with correct driver installation.

Symptom	Department/company policy prohibits disconnecting the computer from the network (LAN). This applies to Windows XP users only.
Possible Cause	Windows XP users must disconnect from the LAN to prevent the Windows software from attempting to find software drivers on the internet.
Remedy	The LAN cable is typically blue, and is connected to the computer with a jack similar to a standard phone jack. Contact your computer support personnel if unable to determine the proper cable. If department policy prohibits disconnecting the computer from the LAN, contact TASER customer support for Tech Support on installing drivers using an alternative procedure.
Symptom	When I "zoom out" to view firing records, it appears that some sequence numbers are missing.
Possible Cause	This is not an error. The sequence numbers are chronological, and each firing record requires a separate sequence number. In addition, each time change requires two sequence numbers – FROM and TO. Missing numbers in the firing record correspond to time change records.
Remedy	Select the "Print Preview" option, and then select "Yes" to combine time changes and firing records into one sequential display. This format will show all sequence numbers in chorological order.
Symptom	When I load, print, and view previously saved records, the X26 weapon software version number on the printout indicates OO.
Possible Cause	For X26 Dataport Download software versions before 15.5, the weapon software version is not saved with the download file.
Remedy	Upgrade to the current X26 Dataport Download software version available on the TASER International web site or from TASER International customer support.
Symptom	The "Time Discrepancy" dialog is displayed.
Possible Cause	The computer clock and the weapon internal clock differ by more than 10 minutes. Most likely, the computer clock time is wrong, or the computer time zone is incorrect.
Remedy	Follow the on screen prompts to change computer time or time zone. If computer time and time zone are correct, select "Change X26 Time" to change the X26 internal clock. A password is required to change the weapon clock and can be obtained from your administrator or by contacting TASER customer support at 800-978-2737.

Symptom	Data could not be written to this memory location and was therefore moved to the next available location.
Possible Cause	A corruption occurred during the firing cycle that prevented the software from recording the firing record.
Remedy	There is no correction available for this problem. Other records are not affected, and new data will be recorded normally.
Symptom	The "Error: Time Still Not in Sync" dialog is displayed after attempting to synchronize the X26 internal clock.
Possible Cause	A good connection might not have been made between the X26 and the USB DPM or between the USB cable and the computer and/or an older version of the dataport download software is being used.
Remedy	Disconnect the USB DPM from the weapon and the computer. Wait a few seconds and reattach the USB DPM to the computer and then to the X26. Upgrade to the current X26 Dataport Download software version available on the TASER International web site or from TASER International customer support. If the problem persists, please contact TASER International customer support at 800-978-2737.
Symptom	When I click the print button on the "Print Preview" page, nothing happens or the dataport download program and /or Windows locks up.
Possible Cause	All available updates for Windows have not been installed from Microsoft.
Remedy	Connect to the internet and connect to http://windowsupdate.microsoft.com. Download and install all available updates for Windows. This may require administrative privileges and if unable to install updates, contact your computer support personnel.