Deviation Request Form (DRF)

Directions: The Initiator will complete Sections A through C. Additional continuation pages can be included if necessary.

Initiator	Matthew Wood	**Date**	6/10/2019

A. Requested deviation applies to (Technical Procedure – include specific section):

Technical Procedure for Taser Function Test - Section 5.4

B. Requested deviation:

Remove 5.4.

C. Necessity for the deviation:

The newly updated software automatically syncs the taser date and time with the forensic workstation date and time. All data prior to performing the function test/sync has previously been downloaded.

D. Technical review and Authorization (to be completed by the Quality Manager and/or Technical Leader)
Comments(to include merits and impacts):

Due to a change in the software tool provided by Taser, the taser time automatically syncs with the forensic workstation time, thus, Section 5.4 is no longer necessary.

Approved	☑	Yes	☐	No	Duration	Until next update
Signature	Joshua Hickman Digitally signed by Joshua Hickman Date: 2019.06.11 09:22:43 -04'00'				Date	06/11/2019

E. Quality Assurance Authorization (to be completed by the Quality Manager, Forensic Scientist Manager or designee)

Acceptable within general QA guidelines and good laboratory practice?	☑	Yes	☐	No
Significant negative impact to Crime Laboratory Quality System?	☐	Yes	☑	No

Restrictions/limitations:

☑	Authorized	☐	Rejected	Signature	Joshua Hickman Digitally signed by Joshua Hickman Date: 2019.06.11 09:23:24 -04'00'	Date	06/11/2019

Technical Procedure for Taser Function Test

1.0 Purpose - The purpose of this procedure is to test Tasers that are submitted for analysis to ensure that they are recording the firing information properly.

2.0 Scope - This procedure describes the steps to be taken by personnel of the State Crime Laboratory in function testing Serial and USB connection model Tasers.

3.0 Definitions

- **M26 dataport download kit** – Kit containing the hardware and software needed to download the firing information from a Serial connection Taser.
- **USB data interface module** – Kit containing the hardware and software needed to download the firing information from an USB connection Taser.

4.0 Equipment, Materials and Reagents

- Forensic Tower
- M26 dataport download kit from Taser International
- USB data interface module from Taser International

5.0 Procedure

5.1 Install the download software for the Taser model to be tested on the forensic tower if it is not already installed.

5.2 Verify that the time and time zone information on the forensic tower are correct.

5.3 Download the firing data from the weapon to be tested using the Serial or USB Data Download Procedure (if the data has not been downloaded while working the case).

5.4 Set the time on the Forensic Tower to match the time on the Taser.

5.5 Remove the Taser from the Forensic Tower.

5.6 Place the battery pack into the Taser.

5.7 Discharge the tested weapon by pulling the trigger and holding it for less than 5 seconds. Record the time that the discharge occurred and the length of time that the trigger was held.

5.8 Discharge the weapon by pulling the trigger and holding it for more than 5 seconds but less than 10 seconds. Record the time that the discharge occurred and the length of time that the trigger was held.

Note: The M26 data log shows the trigger pulls in increments of 5 seconds. If the user pulls the trigger once and releases it, the M26 will fire for five seconds and the data log will show one firing. If the user pulls the trigger and holds it for longer than 5 seconds, the unit will continue to fire and the data log will show multiple firings. For example, if the user pulls and holds the trigger longer than 5 seconds but less than 10 seconds, the data log will show two firings. If the user pulls and holds the trigger longer than 10 seconds but less than 15 seconds, the data log will show three firings

5.9 Discharge the weapon by pulling the trigger and holding it for more than 10 seconds. Record the time that the discharge occurred and the length of time that the trigger was held.

5.10 Download the firing data from the weapon to be tested using the Serial or USB Data Download Procedure.

5.11 Compare the known discharge time and durations to the discharge times and durations recorded on the Taser.

5.12 Compare the download data from before and after the function test. Ensure that none of the information on previous firings changed during the function test.

5.13 Standards and Controls - A control disk image with a known hash value is used to ensure the proper functioning of forensic computers used in casework.

5.14 Calibrations - The forensic towers used in casework shall be verified each day that they are used to ensure that the computer hardware and software are functioning properly (see the Computer Performance Verification Procedure).

5.15 Maintenance – N/A

5.16 Sampling - N/A

5.17 Calculations – N/A

5.18 Uncertainty of Measurement - N/A

6.0 Limitations - It is possible that the Taser battery pack may be submitted completely depleted. In this instance, no test firings of the Taser shall be done.

7.0 Safety

7.1 Tasers are high energy weapons and shall be handled with great care.

7.2 If a live cartridge is attached to the front of the weapon, it has the ability to discharge sharp projectiles. These cartridges shall be removed from weapons submitted for examination.

7.3 The Taser may still deliver an electrical shock with the cartridge removed. Analysts shall keep the safety engaged whenever possible, keep finger off the trigger unless test firing, and avoid touching the electrodes on the front of the weapon.

8.0 References

- Operational Use of Logging Program V2.0 (found as the readme file on the diskette in the M26 download kit).
- Taser International Data Port User Manual V.15.5
- Computer Performance Verification Procedure

9.0 Records - N/A

10.0 Attachments – N/A

Revision History		
Effective Date	Version Number	Reason
09/17/2012	1	Original Document
10/31/2013	2	Added issuing authority to header
01/24/2014	3	2.0, 3.0, 5.3, 5.10 - changed M26 and X26 to Serial and USB connection
06/13/2018	4	Header – Updated Section and Changed Issuing Authority