



MEMORANDUM

TO: DMT USERS
FROM: AMANDA BOLDUC, TOXICOLOGY SECTION SUPERVISOR
SUBJECT: DMT REFURBISHMENT.
DATE: OCTOBER 24, 2024

A handwritten signature in black ink, appearing to be "AB", is written over the "FROM:" and "SUBJECT:" lines of the memorandum header.

Over the course of the last year, a number of DMT instruments were removed from the field and were refurbished by the manufacturer, Intoximeters, Inc. The refurbishment includes a hardware and software upgrade. Due to these upgrades and other changes to VFL procedures, instruments that have been refurbished will be, for all intents and purposes, “new” instruments and will follow different testing procedures than the “old” instruments. New instruments are identifiable by the addition of a QR code sticker which will link to the new user manuals on the VFL website. The following is an abbreviated list of changes highlighting the ones that are relevant to an officer using a DMT:

Manuals and Procedures:

DMT Operators collecting evidential breath tests and DMT Supervisors conducting maintenance on “old” instruments will follow the previously approved procedures outlined in TOX_D200_2_ DMT Operator Manual version 2 and TOX_D200_1_ DMT Supervisor Manual version 3, respectively.

DMT Operators and Supervisors using the “new” instruments will follow the current, approved procedures in effect at the time of use. At the time of this writing, these are TOX_D200_2 version 3 and TOX_D200_1 version 4, respectively.

These manuals can be found on the VFL website at <https://vfl.vermont.gov/programs/alcohol/breath>

New Software Features for Operators:

- Updated reporting results
 - Subject sample results between 0.000 and 0.003 g/210 will be reported as “0.000”
 - Results 0.004 – 0.019 g/210L will be reported as “< 0.020”
 - Results 0.020 – 0.360 g/210L will print the actual result
 - Results 0.361 g/210L and above will be reported as “>0.360”
- Clarification to the Place Of Last Drink (POLD) question at the end of the testing sequence
- Added the ability to reset the 15 minute subject observation timer after the quality control checks but prior to subject sample delivery
- Updated the agency location list

New Software Feature for Supervisors

- Simulator solution equilibration time reduced from 30 minutes to 15 minutes
- The quartz disc internal standard (aka “Calibration Check”) has been removed
- Annual Preventative Maintenance check (performed by VFL staff) is now replaced by an annual Calibration which requires the DMT to be returned to VFL once a year for service in-lab rather than on-site.