

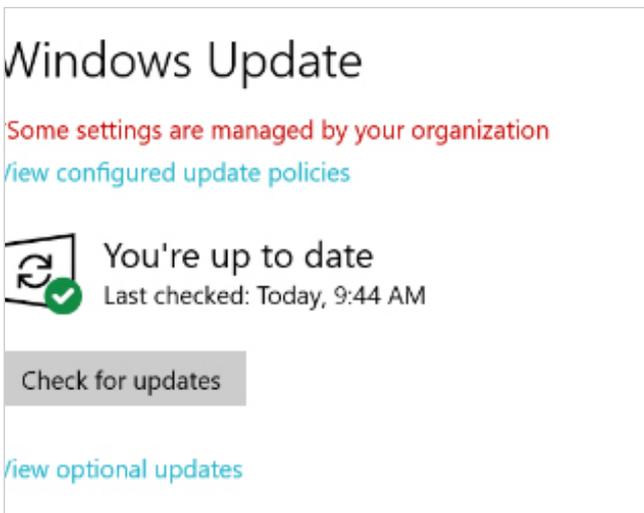
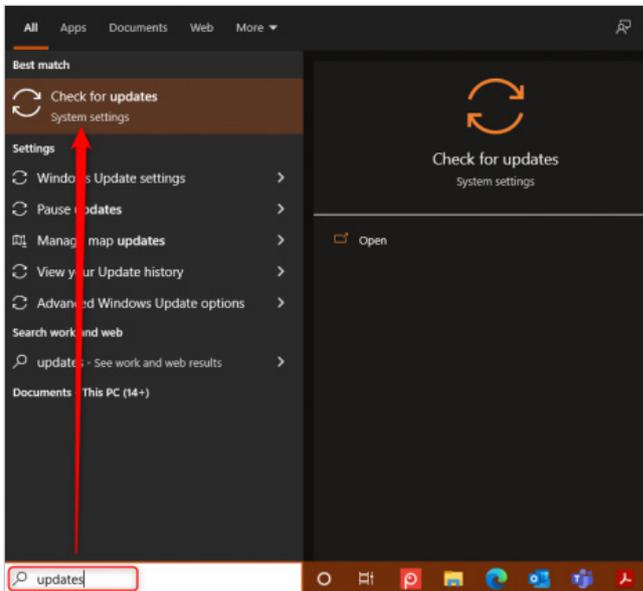
# VeriCure<sup>®</sup>

Curing Monitoring System

## BEST PRACTICES BEFORE INSTALLING CIPP



- 1. PRIOR TO INSTALL, MAKE SURE COMPUTER/PC/LAPTOP HAS EXECUTED ALL MICROSOFT UPDATES:**  
With Wi-Fi signal, preferably in an office where internet speed is faster versus a hotspot in the field, update Windows.



*Note: For **Remote Desktop Support** purposes, we recommend having a wireless hotspot on-site to enable real-time troubleshooting.*

- 2. REVIEW OF THE PRE-CCTV REPORT**

**3. TEST FIBER SPOOL WITH VFL:**

- Hook VFL to extension cable.
- Turn on laser.
- Verify laser at end of fiber.
  - No laser – (possible brake in fiber)
    - > Check blue box adapter - make sure green connector is connected inside spool (call representative for proper method).
      - a. Disconnected – reconnected and repeat test.
      - b. Connected – move onto next steps.
    - > Replace fiber (if additional fiber spool on-site).
    - > Troubleshoot with software (see Figure 7).
  - Yes laser – fiber is good (NO BRAKES).



Figure 3: VFL- Visual Fault Locator

**4. CLEANING PEN:**

Clean all connectors and adapters (see operation manual).

- Clean CMS unit adapter.
- Clean extension cable connectors.
- Clean fiber spool blue box adapter.

**5. CONNECT CMS UNIT TO FIBER SPOOL WITH EXTENSION CABLE**

**6. CONNECT CMS UNIT TO POWER**

CMS will automatically turn on.

**7. MAKE SURE COMPUTER DATE AND TIME ZONE ARE CORRECT** (bottom right-corner of screen, Figure 4).

Update if needed (see Figure 5 - Figure 6).

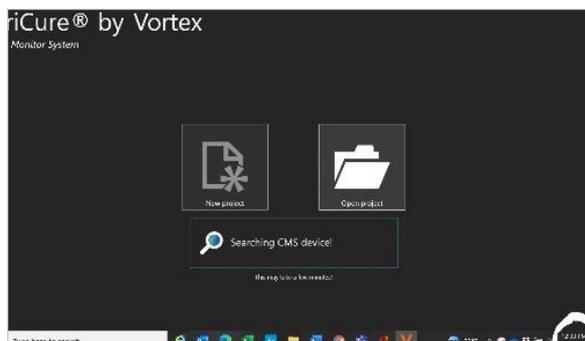


Figure 4



Figure 5

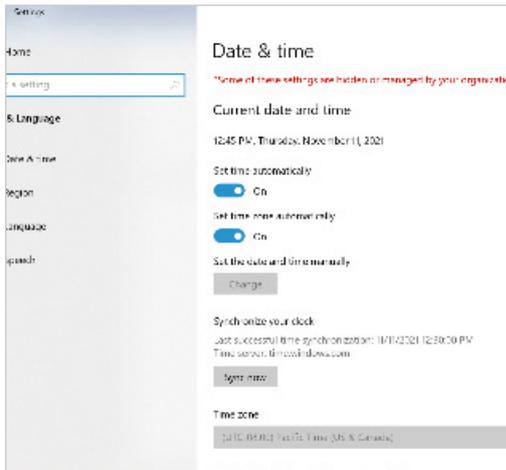


Figure 6

**8. TESTING CONTINUITY BETWEEN CMS UNIT AND FIBER OPTIC-THEN CALIBRATE FIBER FOOTAGE**

- Click on new project icon – see Figure 4.
- Click on calibration icon – see Figure 7 and 8.
- In this screen you will calibrate your fiber footage on spool and extension cable and if fiber has any warnings or errors (decibel loss) throughout fiber.
  - Yes - warnings (yellow) errors (red) contact representative for procedure.
  - No warnings - fiber is ready to be installed and project parameters can be entered.
  - Click on paper/pen icon which will take you to Figure 7 fill out project parameters.
  - Click back on calibration icon – enter liner footage on top - click green check, then click green check bottom right Figure 8) which will then save information and move to QR Code information.

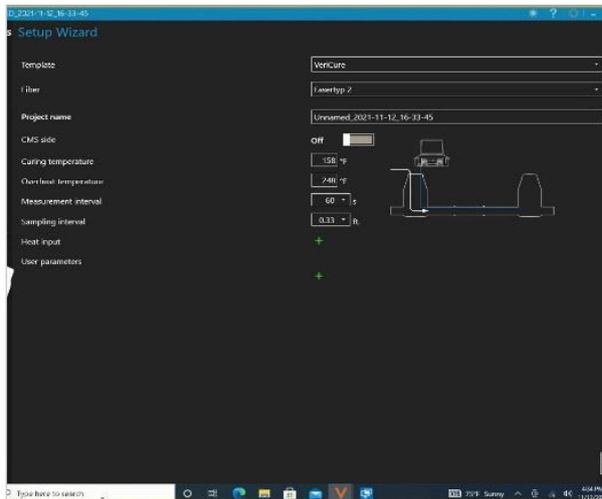


Figure 7: Calibration Icon

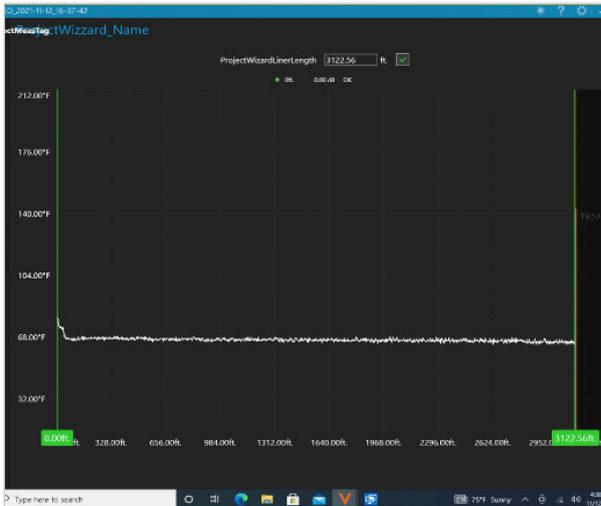


Figure 8: Calibrate fiber footage

#### 9. INSTALLATION OF FIBER:

- Best practice is to install fiber opposite of liner installation.
  - CMS unit is at opposite end as inverter/shooter.
  - Tape end of fiber and attached to either camera or jetter - camera is preferred, as you can perform pre-CCTV at same time.
  - Recommend performing pre-CCTV in same direction as fiber installation (footage will match).
  - Fiber can be installed before or after continuity check (either way is ok - if fiber is bad you will have to replace).

**REMEMBER AT ANYTIME YOU NEED HELP, CLICK THE BLUE BOOK AT TOP RIGHT CORNER OF SCREEN (ON EVERY SCREEN), AND YOU WILL FIND USER MANUALS (See figure 3).**

#### 10. CONTINUE WITH PROJECT SET-UP AND HAPPY MONITORING!

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