

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

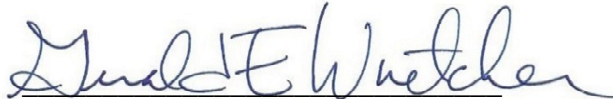
LOGAN TELEPHONE COOPERATIVE, INC.)	
)	
COMPLAINANT)	
)	
v.)	CASE NO. 2021-00248
)	
EAST LOGAN WATER DISTRICT)	
)	
DEFENDANT)	

**EAST LOGAN WATER DISTRICT’S RESPONSE TO
LOGAN TELEPHONE COOPERATIVE, INC.’S SECOND REQUEST FOR
INFORMATION**

East Logan Water District submits its Response to Logan Telephone Cooperative, Inc.’s
Second Request for Information.

Dated: January 27, 2023

Respectfully submitted,



Gerald E. Wuetcher
Stoll Keenon Ogden PLLC
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Lexington, Kentucky 40507-1801
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Counsel for East Logan Water District

CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, and the Public Service Commission's Order of July 22, 2021 in Case No. 2020-00085, I certify that this document was transmitted to the Public Service Commission on January 27, 2023 and that there is currently no party that the Public Service Commission has excused from participation by electronic means in this proceeding.


Counsel for East Logan Water District

EAST LOGAN WATER DISTRICT

**Response to Logan Telephone Cooperative's Second Request for Information
Case No. 2021-00248**

Question No. 1

Responding Witness: Ethan Hudson

- Q-1. Identify the exact date East Logan adopted the written procedures it provided in response to Request No. 1-9 of LTC's First Requests for Information. East Logan's answer should include the date its Board of Commissioners' approved these written procedures and which Commissioners voted to approve or disapprove these procedures.**
- A-1. East Logan Water District has been following the written procedures provided in response to Request 1-9 since on or about September 1, 2022. At the time of my appointment as field manager, the Board of Commissioners had authorized me to take any appropriate actions to ensure the District's distribution facilities were efficiently and effectively operated. These procedures were placed into writing in December 2022. A copy has been provided to all District employees and commissioners. I have informally discussed the procedures that the District's field employees were following on several occasions with Board members since my appointment. The procedures were discussed at the Board of Commissioners' meeting on December 20, 2022 but no formal action on them was taken.

EAST LOGAN WATER DISTRICT

**Response to Logan Telephone Cooperative's Second Request for Information
Case No. 2021-00248**

Question No. 2

Responding Witness: Ethan Hudson/Earn Brown

- Q-2. Identify each East Logan employee, agent, contractor, Commissioner, and representative that has received a copy of the written procedures it identified in response to Request No. 1-9 of LTC's First Requests for Information.**
- A-2. A copy of the written procedures has been provided to each of East Logan Water District's commissioners and all current employees of East Logan Water District.

EAST LOGAN WATER DISTRICT

Response to Logan Telephone Cooperative's Second Request for Information Case No. 2021-00248

Question No. 3

Responding Witness: Ethan Hudson

Q-3. For a fiber-to-the-premises broadband deployment excavation request that East Logan considers a "large project," identify East Logan's procedure for responding and providing a positive response pursuant to KRS 367.4909(5)(f).

A-3. KRS 367.4903(18) defines a "large project request" as "an area of excavation measuring more than two thousand (2,000) feet in length." If such a request is made, East Logan Water District would notify the requesting party within two days of the request that it considers the request to be a large project request and would respond to the request within five working days from the later of receiving notification from the excavator or prior to the scheduled excavation start date for that location if a facility locate agreement is reached with the excavator.

East Logan Water District interprets the provisions of KRS 367.4909(5)(d) to control over the requirements of KRS 367.4909(5)(f) to the extent that a fiber-to-the-premises ("FTTP") broadband deployment excavation request meets the definition of a large project request. Whenever possible, however, it will attempt to respond to the request within four working days.

To ensure that large FTTP broadband deployments are handled in an efficient and cost-effective manner, East Logan Water District requests that Logan Telephone Cooperative, its engineering firm and its contractor hold a pre-deployment conference with East Logan Water District staff at least 60 days in advance of any deployment and discuss the route and other features of the proposed deployment. East Logan Water District further suggest that its staff be consulted during design of the route. In at some, perhaps many instances, potential bottlenecks could be avoided by better coordination. For example, East Logan Water District could indicate which side of a road on which its water mains are located, thus allowing Logan Telephone Cooperative to route its broadband lines on the other side of the road, avoiding the need for locate requests and speeding its FTTP broadband deployment.

EAST LOGAN WATER DISTRICT

**Response to Logan Telephone Cooperative's Second Request for Information
Case No. 2021-00248**

Question No. 4

Responding Witness: Ethan Hudson

- Q-4. Identify the specific date East Logan's interpretation of KRS 367.4909 changed to now "requiring that its facilities be marked to the best of its ability," as stated by East Logan in response to Request No. 1-12 of LTC's First Requests for Information.**
- A-4. It is not possible to provide a specific date. As a practical matter, East Logan Water District field personnel have been attempting to mark facilities to the best of the District's ability since February 2022. Throughout 2022, the members of East Logan Water District's Board of Commissioners, District Staff, and the District's legal counsel on several occasions discussed the requirements of KRS 367.4909. Prior to the issuance of East Logan Water District's Response to Logan Telephone Cooperative's First Request for Information in December 2022, the proposed responses were discussed with the Board of Commissioners.

EAST LOGAN WATER DISTRICT

**Response to Logan Telephone Cooperative's Second Request for Information
Case No. 2021-00248**

Question No. 5

Responding Witness: Ethan Hudson

- Q-5. State whether East Logan's Board of Commissioners unanimously approved its new interpretation of KRS 367.4909 to now "requiring that its facilities be marked to the best of its ability," as stated by East Logan in response to Request No. 1-12 of LTC's First Request for Information, and if not, which Commissioner(s) disapproved.**
- A-5. As of the date of this response, East Logan Water District's Board of Commissioners has not taken a formal vote on the interpretation. As previously noted, Prior to the issuance of East Logan Water District's Response to Logan Telephone Cooperative's First Request for Information in December 2022, the proposed responses were discussed with the Board of Commissioners. No objection to the proposed responses was noted.

EAST LOGAN WATER DISTRICT

Response to Logan Telephone Cooperative's Second Request for Information Case No. 2021-00248

Question No. 6

Responding Witnesses: Ethan Hudson/Earn Brown/Legal Counsel

- Q-6. Identify any and all efforts East Logan made to “search” its records for communications and documents in response to Request No. 1-24, including all East Logan representatives that conducted the search; which files, folders, minutes, reports, or physical or digital depositories were searched; and the specific dates East Logan conducted its “search.” To the extent East Logan searched email accounts, identify each employee email account searched, and all search terms and date ranges used.**
- A-6. In response to this request, East Logan Water District's office staff conducted a second search of office files. During the course of this search, correspondence between East Logan Water District's general manager and various legal counsel was discovered. (During the course of its dispute with Logan Telephone Cooperative regarding the marking of facilities and the location of cooperative facilities near the District's facilities, East Logan Water District had retained three law firms to represent it.) These documents contain privileged attorney-client communications, are protected from disclosure, and are not provided. This second search of office records revealed no other documents relevant to the request except the minutes of the Board of Commissioners Meeting of August 25, 2020. A copy of this document is already in Complainant's possession as it was attached as Exhibit 1 to its Complaint.

The following email accounts belonging to the following persons were searched: Ethan Hudson, Earn Brown, and Courtney Saunders. East Logan Water District does not provide an e-mail account to its commissioners. None of the District's staff can recall its commissioners communicating with them by email or written correspondence. They generally communicated with District Staff in person or by telephone. East Logan Water District does not have access to former General Manager Linda Alexander's email account. (The account is password protected and East Logan Water District has been unable to obtain Ms. Alexander's password.) Mr. Stephen Taylor, former Field Manager, used a private email account that is not accessible to East Logan Water District.

The following search terms were used to search the District's electronic records and e-mail accounts: Logan, Daryl, North and Locate. All available records were searched. As previously noted, Ms. Saunders deleted the files on her e-mail account prior to leaving her employment with East Logan Water District.

EAST LOGAN WATER DISTRICT

**Response to Logan Telephone Cooperative's First Request for Information
Case No. 2021-00248**

Question No. 7

Responding Witness: Ethan Hudson

Q-7. Identify each East Logan employee that received the locate training identified in response to Request No. 1-26 of LTC's First Requests for Information.

A-7. Stephan Taylor and Ethan Hudson. After Mr. Hudson completed the training, he provided training to employees Jerzy T. Jeziorkowski and Crandal C. Barrow.

EAST LOGAN WATER DISTRICT

**Response to Logan Telephone Cooperative's Second Request for Information
Case No. 2021-00248**

Question No. 8

Responding Witness: Ethan Hudson

- Q-8. Identify the specifics of the locate training identified in response to Request No. 1-26 of LTC's First Requests for Information, including the vendor and specific vendor employee(s) that provided the training, any training materials provided, the topics and materials covered, the length of the training, and the cost to East Logan for the training**
- A-8. Mr. Jason Myers of Tracer Electronics LLC provided the training, which lasted approximately six hours. Mr. Myers demonstrated how to operate and maintain the locator equipment. The training was provided at no cost. A copy of materials provided during the training are attached. Mr. Myers also referred to a training video available at [vLoc3-Pro Mode Demonstration - YouTube](#).

VIVAX

METROTECH

5-Watt Transmitter

Loc3 Series Broadband Transmitter

- Built-in AVO meter
- Optional transmitter-to-receiver radio link
- SD mode for positive location in congested areas
- Lightweight - Only 7.15 lbs. / 3.24 kg with Li-ion battery
- AC/DC external power sources

The Loc3 series 5-Watt broadband transmitter has selectable induction and direct connection frequencies from 98Hz to 200kHz, SD mode (Signal Direction), fault find and true resistance measurement up to 1 Mohm. The two inch by one inch dot matrix display with LED backlight shows output current, connection type, volts, resistance, frequency, volume, battery condition and high voltage warnings.

The optional Transmitter Link (Tx-Link) installed in the receiver and transmitter, remote operation of the transmitter from the receiver is possible. The range of the radio transmitter link depends on having a clear "line of sight" between receiver and transmitter but is typically around 985 ft. / 300m.

Signal Direction (SD) mode feature verifies if the line being located is the target that the transmitter is connected to. When a transmitter is connected to a target line, the signal travels along it and finds the easiest way to travel back, usually via the ground and ground stake. However, very often the signal will travel back along adjacent utilities which offer an easier route. As a result, there can be multiple signals radiating from utilities in the area making it difficult to identify the target line. These return signals are typically traveling in the opposite direction than the applied signal. The Signal Direction feature identifies which direction the signal is flowing and hence the target line.

Packaged in a lightweight, rugged, ergonomic IP54 housing, the transmitter provides consistent current output in direct connect, clamp or induction modes and protection against incoming voltages up to 240V.



Loc3-5Tx Transmitter Specifications										
Construction	High impact ABS injection molded housing									
Weight and Dimensions	6.2lbs (2.8kg), 13.1in(L) x 7.2in(W) x7.3in(H) (332mm x 182mm x 185mm)									
Display	2.4in x 1.3in (60mm x 32mm Monochrome-dot-matrix graphic LCD display with LED backlight									
Battery options	Supplied with 8 x D cell alkaline batteries Optional Li-ion rechargeable battery tray with charger									
Battery life	At 70°F (21°C) - continuous use (based on the battery type and quality) <table border="1"> <thead> <tr> <th>Output Power</th> <th>Alkaline</th> <th>Li-ion (Rechargeable)</th> </tr> </thead> <tbody> <tr> <td>1 watt</td> <td>25 hours</td> <td>50 hours</td> </tr> <tr> <td>5 watt</td> <td>6 hours</td> <td>10 hours</td> </tr> </tbody> </table> Li-ion batteries will withstand over 500 charging life cycles	Output Power	Alkaline	Li-ion (Rechargeable)	1 watt	25 hours	50 hours	5 watt	6 hours	10 hours
Output Power	Alkaline	Li-ion (Rechargeable)								
1 watt	25 hours	50 hours								
5 watt	6 hours	10 hours								
Operating Frequencies	Induction - Available frequencies between 98Hz and 200kHz Direct Connection - Available frequencies between 98Hz and 200kHz Clamp - Frequencies between 8kHz to 131kHz									
Operating modes	Induction mode - applies signal inductively using internal antenna Direct connection mode - applies signal directly to the cable by clipping one output lead to the cable, the other to an independent ground Clamp mode - applies signal using an inductive clamp (aka toroid or coupler) that is placed around the target pipe or cable									
Output Protection	Output protected against accidental momentary connection to up to 240V AC									
Environmental	IP54 and NEMA 4									

What's in the box



Popular Accessories



Transmitter Link

Rechargeable battery

DC power lead

Clamps

Live Plug connector

Live cable connector

Compatible Receivers



vLoc3-Pro



vLoc3-5000



vLoc3-9800



vLoc2 receiver series



VM-510FFL+

Local Vivax-Metrotech Distributor:

Authorized Distributor:




**SALES
TRAINING
REPAIR & CALIBRATION**

6981 Eastgate Blvd., Lebanon, TN 37090 / T (615) 285-3952
sales@tracerelectronicsllc.com / www.tracerelectronicsllc.com

Vivax-Metrotech Corporation

3251 Olcott Street, Santa Clara, CA 95054, USA

T/Free: 800-446-3392

Tel: +1-408-734-1400

www.vivax-metrotech.com



V1.0



RTK Set-up Procedure

Before Proceeding: You MUST have an vLoc3-RTK-Pro receiver on hand, AT&T Nano Sim card and an RTK subscription.

Note: This guide is to be used to assist in the SIM activation process. Vivax-Metrotech & Tracer Electronics LLC does not take any liability for any data that may be lost or additional payment that may occur while using AT&T service. Vivax-Metrotech & Tracer Electronics LLC does not provide technical support for any AT&T account management or services or any RTK subscription and cannot answer questions associated with AT&T service or your RTK subscription.

Needs:

- ① Vivax-Metrotech vLoc3-RTK-Pro receiver
- ② AT&T Nano SIM card (can be made active online)
- ③ Installing SIM card (into the vLoc3-RTK-Pro receiver)
- ④ RTK Network subscription (username / password / IP address / Port)
- ⑤ MyLocator3 (download onto PC and plug USB cable into locator)
- ⑥ Set GPS RTK Source (locator menu) - consult RTK network admin
- ⑦ VMMAP.vxmt.com/login (sign-in account / username / password)

vLoc3-RTK-Pro receiver (Vivax-Metrotech)

1



AT&T Nano SIM card

Data is receive and transmitted from the vLoc3 via its AT&T cellular network. Proceed with SIM plan set-up and SIM installation.

2





AT&T Nano SIM card (continued)

- You must purchase a prepaid AT&T card. This SIM is known to be available at BestBuy or Target retailers. For these instructions we used Best Buy.
- See link: <https://www.bestbuy.com/site/at-t-sim-kit/6377453.p?skuld=6377453>
- Links can change, so please Google if above link no longer worked.
- After you receive the AT&T Nano SIM card, please go to <https://www.att.com/prepaid/activations/#/activate.html> to setup an account and activate your SIM card for use. Below is an example of what the set-up page will look like.

Activate your AT&T PREPAIDSM device

Enter device information

Ready to go? Great! First, let's enter your device SIM number, IMEI number, and service ZIP Code.

SIM / ICCID number
20 digits ?

IMEI number
15 digits ?

Service ZIP Code
5 digits ?

Passphrase
QK29KG ?
Enter Passphrase code ?

Need a SIM card?

Want help?

SIM / ICCID number | IMEI number | Replacing your device?

Select your device type
Phone

AT&T PREPAIDSM

ATTENTION: Please see reverse side for important instructions.

8901 245 6789 8745 4321

Look for your SIM / ICCID number on the:

- White label on the device package. It's the number that starts with 8901.
- Small, rectangular card under the battery cover.

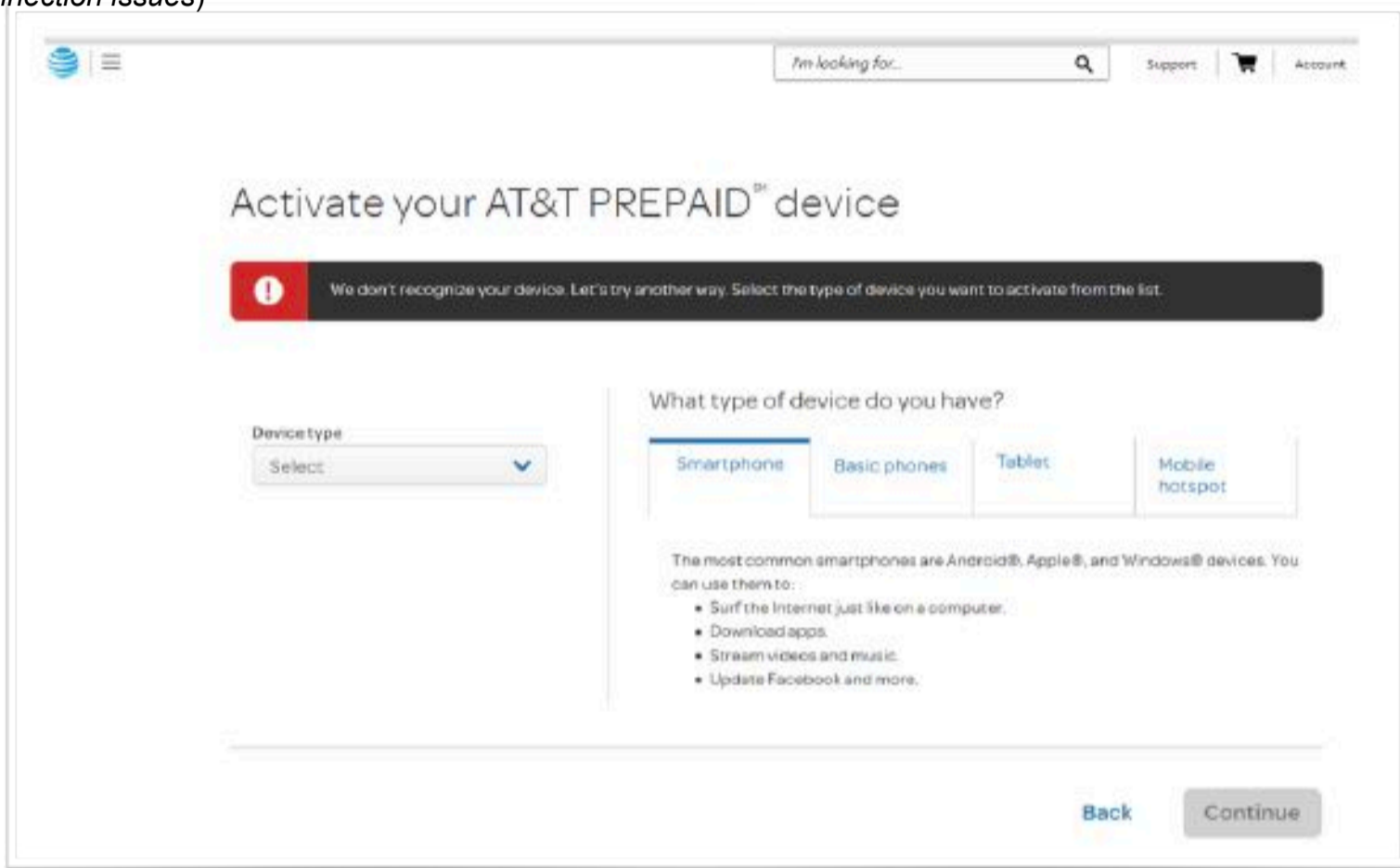
- Your IMEI device number can be found on the "About" menu in your vLoc3-RTK-Pro receiver. (press and hold the "i" button and choose "About").





AT&T Nano SIM card (continued)

- After the required fields are entered you may receive a “device not recognize message”.
- From the “Device Type” drop down menu select “Phone” (NOTE: *selecting anything other than phone may cause connection issues*)



- Select a plan that fits your data needs. You do not need an unlimited plan.
- **IMPORTANT: Please make note of the phone number that AT&T will provide.** You will need this number to set-up an online account so that you can log-on and pay bill, add additional months, etc.

3

Installing SIM card

1. Remove the cover by unscrewing the two retaining screws. The SIM card slot is positioned between the two micro USB sockets. The USB sockets are used in manufacturing only so they can be ignored during this procedure.

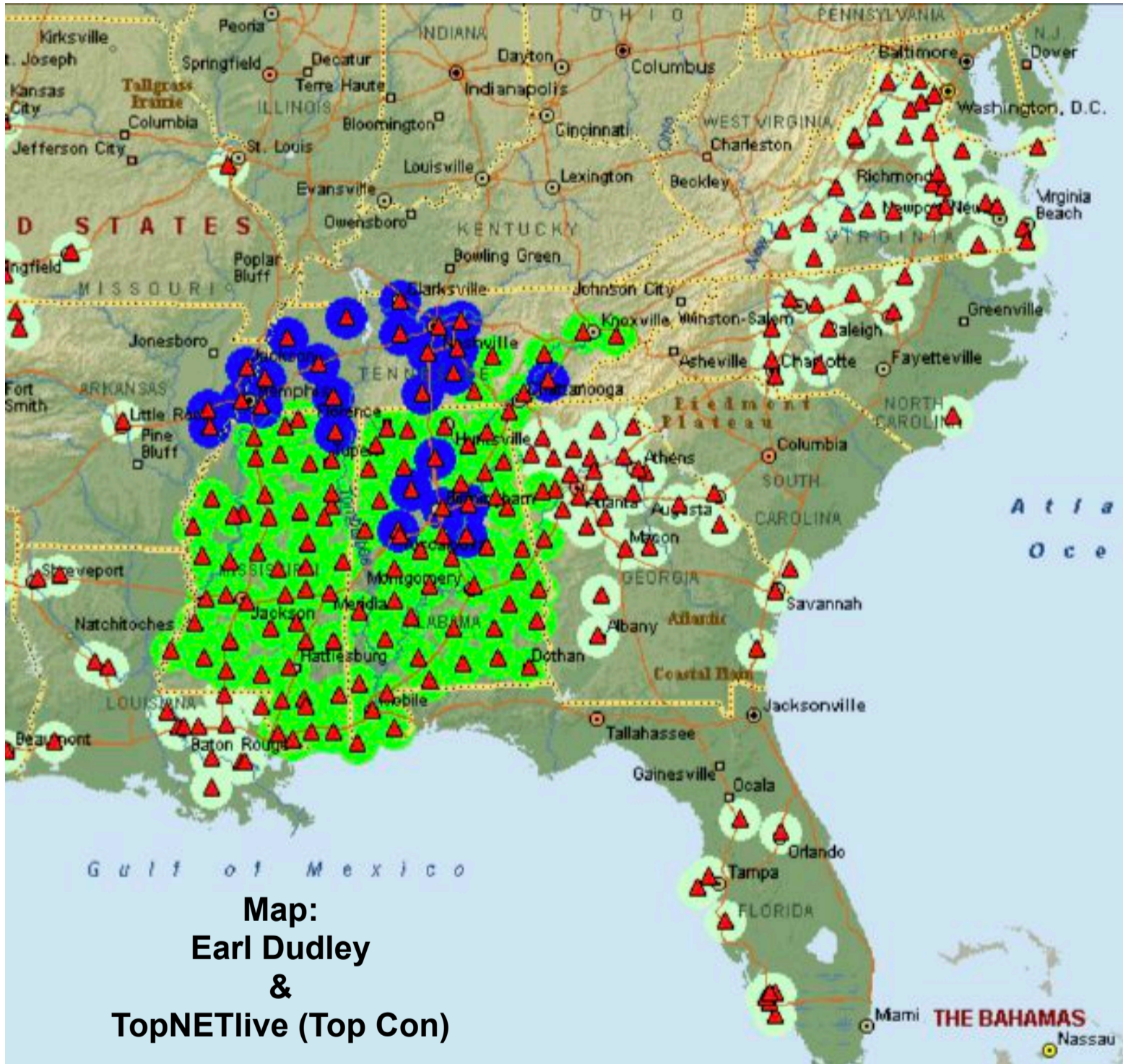




RTK Network Subscription

4

- You will need a subscription or have access to an RTK network correction service. Some networks, such as networks maintained by various state department of transportation (DOT's) are provided for free but require that the user obtains a username and password to use. Other networks such as TopNETlive (from TopCon) are paid subscriptions. Paid subscriptions services typically provide better accuracies and in some cases better coverage. As you can see below a private network such as Earl Dudley RTK network provides excellent coverage for AL & MS.



MyLocator3 (PC software)

5



MyLocator3

- Mylocator3 PC software allows user configurability for any Vivax-Metrotech vLoc3 series locator. For the vLoc3-RTK specifically it provides for the RTK subscription information to be added to your locator. This software also allows users to customize locator frequencies and features and to check for and update locator firmware for enhancements.



MyLocator3 (PC software) (continued)

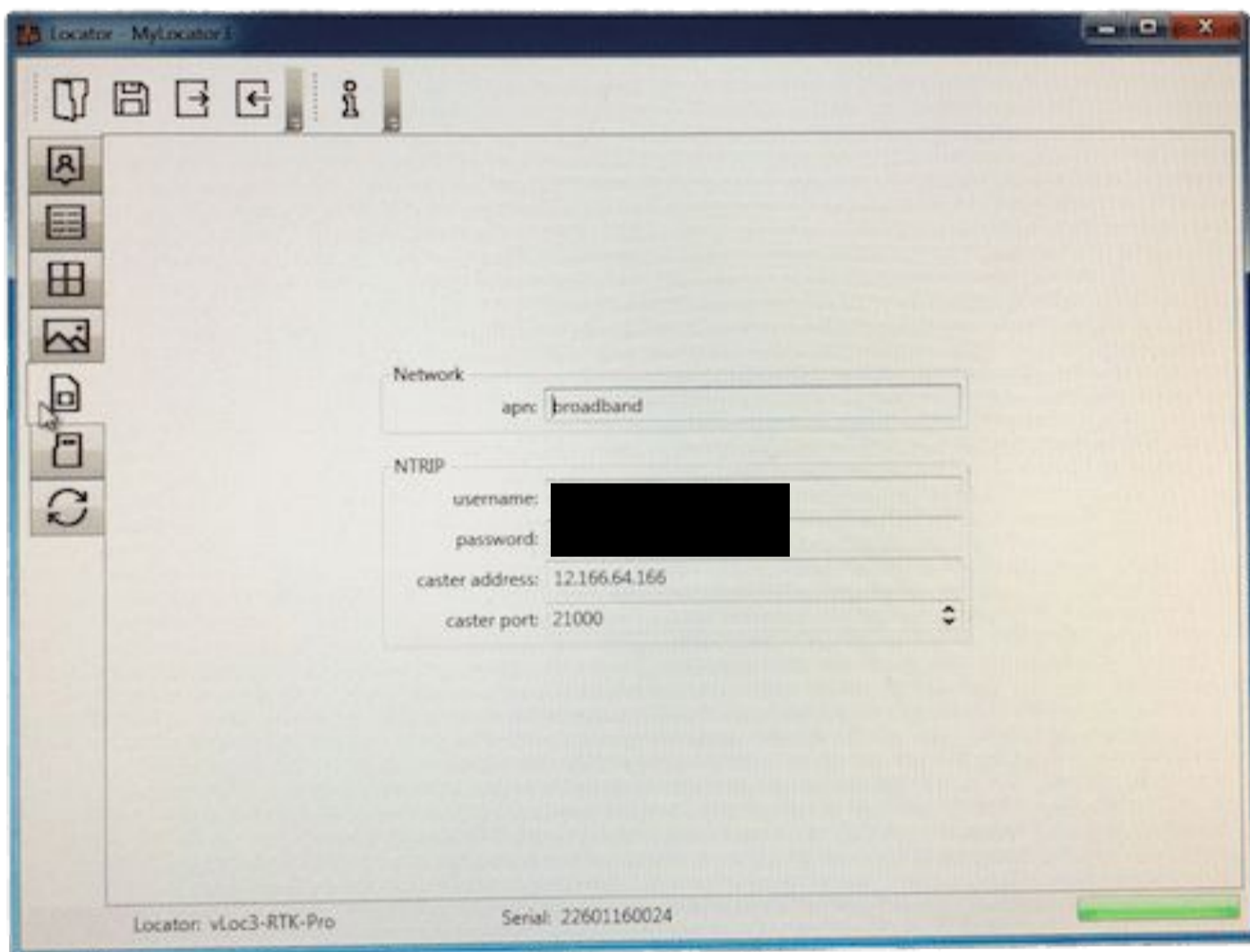


- Download MyLocator3 PC software and install onto PC <https://www.vivax-metrotech.com/support/downloads/>
- Connect vLoc3-RTK-Pro locator into PC using provided USB cable and run MyLocator3 application.
- Turn ON locator and allow MyLocator3 to recognize. If and UPDATE is available, please click on update before proceeding.
- On MyLocator3 click the icon, which allows you to set the RTK/NTRIP settings. A screens similar below will be shown.
- **NETWORK:** Network APN (access point name) will need to be setup so that data can be seamlessly transmitted to the Cloud. Be sure not to add any spaces before or after the APN. If you do not have the APN, it should be possible to do a quick web search on “APN settings for mobile network”.

apn: broadband

NOTE: For AT&T service the APNB is: broadband

- **NTRIP:** On this screen the RTK subscription information will need to be inserted:
username: Tracer Electronics
password: Password
caster address: 12.166.64.166
caster port: 21000



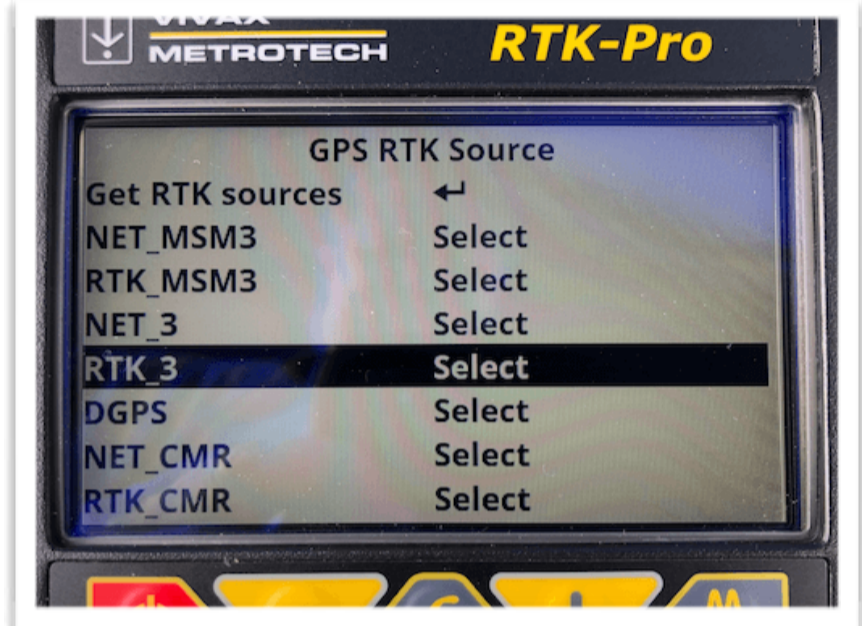
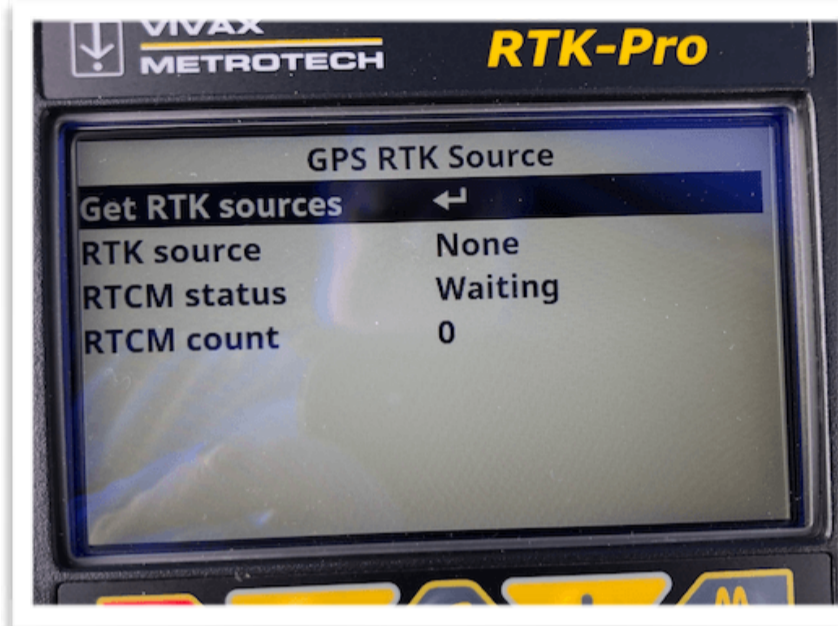
- After completing the above information click on the icon on the toolbar to download settings to the locator. Then UNPLUG locator. Then cycle the power on the locator for the download to take affect.
 - It should now be possible to start using the Locator, but first, a few settings in the locator needs to be setup.
1. Turn ON the vloc3-RTK receiver and enter the user settings by long pressing the “i” button, then selecting “About” from the menu.
 2. There may be a message “Cellular Module searching”.
 3. Cellular SIM **✓AT&T HSPA** ready.
 4. Cellular Network **✓AT&T HSPA** confirms that SIM card is detected and active.
 5. Now you can proceed.



GPS RTK Source (vLoc3 menu)

6

- Please proceed outside where the antenna has clear access to the sky.
- On the vLoc3-RTK-Pro locator and hold down “i” to enter menu and select “**GPS RTK Source**” and select appropriate source to access RTM3 messaging. Consult your RTK provider for which source to select.



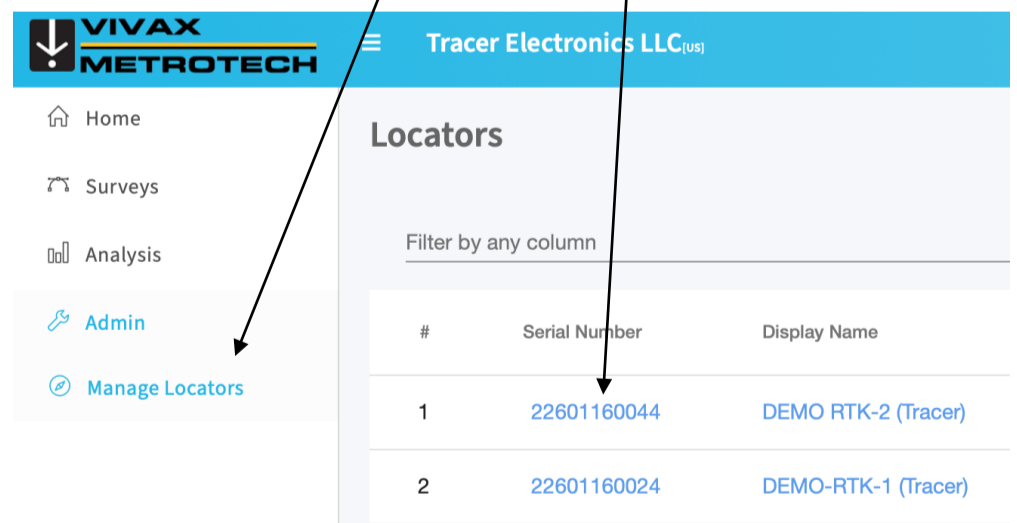
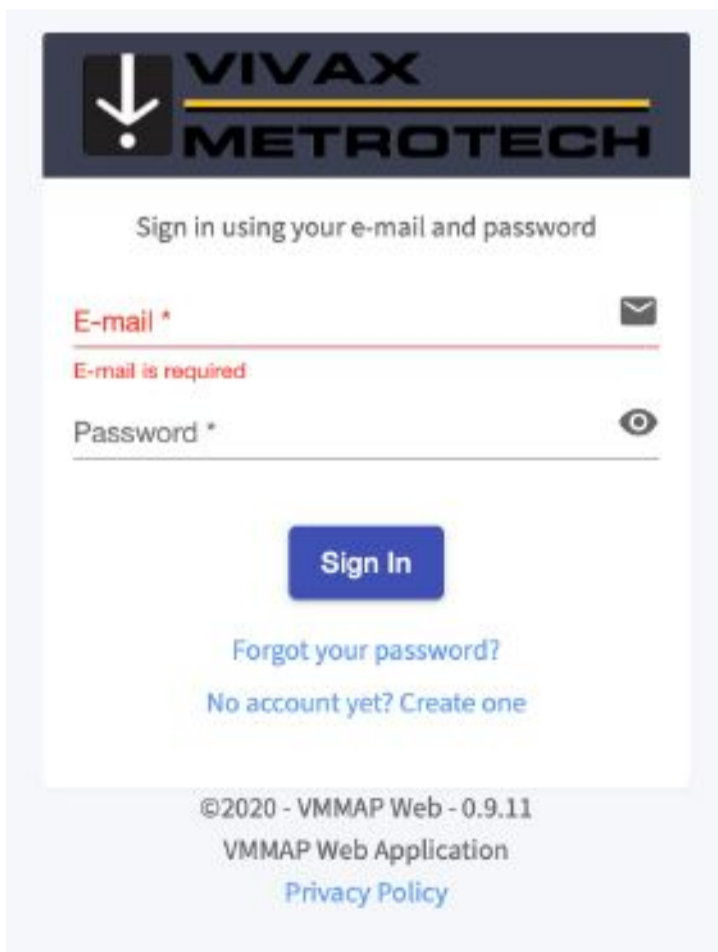
- Select “Get RTK sources” and let populate. This may take a few minutes.
- Select the source that your RTK service admin person recommends for RTM3 messaging. They can provide this information. If you do not complete this task RTK service will not work on the locator.

VMMAP website login (Cloud services)

7

- The last step is to set-up an account and sign-in to the VMMAP website. VMMAP.vxmt.com/login (sign-in account)

After signing in GO TO “Admin” tab and click on “Manage Locators. Add the vLoc3-RTK-Pro locator to your list, by providing its serial number.



Now you are ready to begin your survey. After completing your survey your map will be available on the VMMAP site for review.



VMMAP website login (Cloud services) - Continued

VIVAX METROTECH
Tracer Electronics LLC_(US) Patrick O'Harold

- Home
- Surveys
- Analysis
- Admin

Surveys

Date from * Date to * Get

Filter by any column

#	N:	Receiver Serial Number	Receiver Type	Created ↓	Reading Count	Distance (ft)	Created By	Team
1		T2020-05-12-1589296302008	22601160044	vLoc3	2020-05-12 15:11 (GMT+0000)	12 279.77	Patrick O'Harold	vLoc3
2		T2020-05-12-1589295949567	22601160044	vLoc3	2020-05-12 15:05 (GMT+0000)	0 0.00	Patrick O'Harold	vLoc3
3		T2020-05-11-1589224452174	22601160024	vLoc3	2020-05-11 19:14 (GMT+0000)	17 279.67	Patrick O'Harold	vLoc3
4		T2020-05-11-1589224341706	22601160024	vLoc3	2020-05-11 19:12 (GMT+0000)	1 0.00	Patrick O'Harold	vLoc3
5		T2020-05-11-1589210927001	22601160024	vLoc3	2020-05-11 15:28 (GMT+0000)	14 162.12	Patrick O'Harold	vLoc3
6		T2020-05-11-1589210561526	22601160024	vLoc3	2020-05-11 15:22 (GMT+0000)	14 163.42	Patrick O'Harold	vLoc3
7		T2020-05-08-1588965281150	22601160024	vLoc3	2020-05-08 19:14 (GMT+0000)	22 300,958.89	Patrick O'Harold	vLoc3

Items per page: 25 1 - 7 of 7

VIVAX METROTECH
Tracer Electronics LLC_(US) Patrick O'Harold

- Home
- Surveys
- Analysis
- Admin

Map
Manual Log
Stats
Filters
Export

Map
Satellite
[Full Screen]

Google
Map data ©2020 Imagery ©2020, Maxar Technologies Terms of Use Report a map error

Centimeter Level Accuracy

EAST LOGAN WATER DISTRICT

**Response to Logan Telephone Cooperative's Second Request for Information
Case No. 2021-00248**

Question No. 9

Responding Witness: Ethan Hudson

- Q-9. Identify the equipment purchased by East Logan from the vendor identified in response to Request No. 1-26 of LTC's First Requests for Information and produce all invoices, receipts, and proofs of payment.**
- A-9. See attached purchased order and internal record of check. East Logan Water District issued a check to Tracer Electronics, LLC in the amount of \$10,125.92 on April 16, 2022.



FROM
 Jason Myers
 Tracer Electronics LLC
 6981 Eastgate Blvd.
 Lebanon, TN 37090
www.tracerelectronicsllc.com

FOR
 East Logan Water District

TO
 Stephen Taylor

EMAIL
stephent3171@gmail.com

PHONE
 270-772-0846

QUOTE NUMBER
 6261

DATE
 March 3, 2022

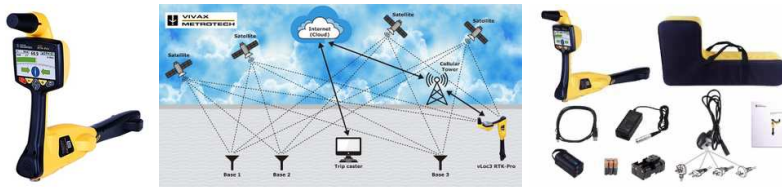
VALID UNTIL
 May 2, 2022 at 2:00 PM

Vivax-Metrotech vLoc3-RTK-Pro

- 1.226.01.00006
vLoc3-RTK-Pro Receiver (a)

Vivax-Metrotech vLoc3-RTK-Pro Receiver (standard) - RTK Network subscription & AT&T cellular network nano SIM card setup is needed for operation.

[Online information](#)



[vLoc3-RTK-Pro-Sales-Sheet-VXMT-Eng-V1.0-8.5X11inch-2020407](#)





[vLoc3 RTK-Pro Technical Specifications Sheet \(English\)_V1.0](#)

[RTK-Pro Features and Benefits V1.0 20200608_1.0](#)

[Tracer-RTK-Instructions](#)

[VM-Sole Source Letter-2022](#)

8,400.00
 x 1
 (as chosen)
 8,400.00

<p><input checked="" type="checkbox"/> IOT SIM CARD-2YR IOT Sim Card-2YR, RTK Pro</p> <p>AT&T IOT Sim Card for RTK Pro (AT&T) - includes: (p/n: SIMCARDATT) - IOT SIM card (\$5.25) and (P/N: 2YEARPLAN-ATT) 2-Year Data Plan - (\$240.00) - No Discounts.</p> <p>Online information</p> 	<p>245.25 x 1 (as chosen) 245.25</p>
<p><input checked="" type="checkbox"/> 1.219.05.00003 Loc3-5Tx Transmitter (5-Watt)</p> <p>Vivax-Metrotech Loc3-5Tx Transmitter (5-Watt) - (Box Dimensions: 16"x13"x9" - 15 lbs.)</p>  <p>Loc3-5Tx-Sale-sheet-brochure-Eng-VMXT-V1.0-20181129</p> <p>Loc3-5Tx-Technical-Specification-VMXT-Eng-V1.0-Publish-20181124</p>	<p>1,355.00 x 1 (as chosen) 1,355.00</p>
<p><input checked="" type="checkbox"/> 2.219.02.00011 Bag, Loc3-Tx</p> <p>Vivax-Metrotech Carry bag (Loc3 Transmitters)</p> 	<p>65.00 x 1 (as chosen) 65.00</p>
<p><input type="checkbox"/> 2.219.02.00024 Rechargeable Battery Tray, Loc3-xxTx Transmitter</p> <p>Vivax-Metrotech Rechargeable Battery Tray, Loc3-5Tx & Loc3-10Tx Transmitter</p> 	<p>404.00 x 1 404.00 Not selected</p>

2.110.01.00020

Battery Charger, Loc3-xxTx Transmitter & MX

Vivax-Metrotech Battery Charger, Loc3-5Tx/Loc3-10Tx Transmitter & MX



124.00
x 1
124.00
Not selected

Shipping - Freight charges will be added to the final invoice

UPS Ground from Lebanon, TN to destination (pre-paid & add to invoice).

 [Tracer-Freight document](#)

Options selected

Total

4 of 6

\$10,065.25

Ordering Information

FOB Origin, Freight Prepaid Lebanon, TN (Freight charges will be added to final invoice)

STATE SALES TAX: If applicable AL/CO/FL/GA/IN/KY/NC/OH/OK/SC/TN sales tax may be added to the invoice unless proof of tax-exempt status is provided.

TERMS OF PAYMENT: a). Cash In Advance, b). Credit Card, c). Net 30-day, subject to credit approval.

PRICE VALIDITY: Prices valid 60 days from date of quote.

DELIVERY: Normal delivery for stock items 1-2 days. 1-2 weeks if not in stock.

ON-SITE TRAINING Only available for the USA states listed: AL/KY/FL/GA/NC/SC/TN.

ORDERING: Call (615) 285-3952 or Email us at sales@tracerllc.com or Fax at (615) 285-3970

MAILING ADDRESS: TRACER ELECTRONICS LLC - 6981 Eastgate Blvd., Lebanon, TN 37090

If you have any questions, please contact us.

Regards,

Jason Myers

AREA SALES MANAGER - KY / TN

(615) 613-6645

jmyers@tracerllc.com

Vivax-Metrotech vLoc3-RTK-Pro

Total \$10,065.25 (4 of 6 options selected)

Additional comments

Order/reference number

PO Verbal Stephen Taylor

Accepted on behalf of Stephen Taylor by Jason Myers on March 9, 2022 at 2:32 PM

4/16/2022

Tracer Electronics, LLC

**10,125.92

Ten Thousand One Hundred Twenty-Five and 92/100*****

Tracer Electronics, LLC
6981 Eastgate Blvd
Lebanon, TN 37090

line locator

Tracer Electronics, LLC
Transmission Expense:Tools

line locator

4/16/2022

10,125.92

General operating che line locator

10,125.92

Tracer Electronics, LLC
Transmission Expense:Tools

line locator

4/16/2022

10,125.92

General operating che line locator

10,125.92

EAST LOGAN WATER DISTRICT

**Response to Logan Telephone Cooperative's Second Request for Information
Case No. 2021-00248**

Question No. 10

Responding Witness: Ethan Hudson

- Q-10. State whether East Logan has purchased the ground penetrating radar it identified in response to Request No. 1-20 of LTC's First Requests for Information, and, if not, state whether East Logan's Board of Commissioners approved the purchase of the ground penetrating radar at its January 2023 meeting.**
- A-10. At the time of this response, East Logan Water District has not yet purchased the ground penetrating radar equipment. The next meeting of East Logan Water District's Board of Commissioners is January 31, 2023. The purchase of the equipment is on the meeting agenda. No objection to the purchase of the equipment was raised when the matter was discussed, but not voted on, at the December 2022 meeting of the East Logan Water District's Board of Commissioners. East Logan Water District will supplement this response after the January 2023 meeting is held.

EAST LOGAN WATER DISTRICT

**Response to Logan Telephone Cooperative's Second Request for Information
Case No. 2021-00248**

Question No. 11

Responding Witness: Ethan Hudson

- Q-11. Regarding Step 3 of East Logan's "Procedures for Locating Underground Facilities" produced in response to Request No. 1-9 of LTC's First Requests for Information, explain how marking "a strip of land four (4) feet wide" complies with East Logan's obligation under KRS 367.4909(7) to mark the approximate location of its facilities.**
- A-11. This step was poorly worded and will be revised. KRS 367.4903(11) defines "approximately location" as "a distance not to exceed the combined width of the underground facility plus twenty-four (24) inches measured from the outer edge of each side of the underground facility." The mark location should be strip of land whose width is equal to the width of the facility plus 24 inches on each side of the located facility.

EAST LOGAN WATER DISTRICT

**Response to Logan Telephone Cooperative's Second Request for Information
Case No. 2021-00248**

Question No. 12

Responding Witness: Ethan Hudson

- Q-12. Regarding Step 6 of East Logan's "Procedures for Locating Underground Facilities" produced in response to Request No. 1-9 of LTC's First Requests for Information, identify how East Logan determines "the location is correct" before shooting the GPS coordinates of the line.**
- A-12. The location is correct if the ground covering was completely removed to locate the facility, or a probe was used to locate the line.

EAST LOGAN WATER DISTRICT

**Response to Logan Telephone Cooperative's Second Request for Information
Case No. 2021-00248**

Question No. 13

Responding Witness: Ethan Hudson

- Q-13. To the extent East Logan has purchased or approved the purchase of ground penetrating radar, identify any changes East Logan has made to its "Procedures for Locating Underground Facilities" produced in response to Request No. 1-9 of LTC's First Requests for Information specifically regarding East Logan's efforts to identify its facilities.**
- A-13. No revisions to the "Procedures for Locating Underground Facilities" have yet been made. Once the ground penetrating radar has been purchased, the procedures will be revised to include its use.

EAST LOGAN WATER DISTRICT

**Response to Logan Telephone Cooperative's Second Request for Information
Case No. 2021-00248**

Question No. 14

Responding Witness: Ethan Hudson

Q-14. Regarding East Logan's "Procedures for Locating Underground Facilities" produced in response to Request No. 1-9 of LTC's First Requests for Information, identify if and at what point East Logan would pot-hole a location to confirm the location of its facilities if East Logan could not identify its facilities by the other methods identified in these Procedures.

A-14. Potholing would only be undertaken if no other step proves reasonably accurate in locating the facility. It would also be use in emergency situations in which the public safety or health or serious service disruptions are likely to occur it the facility is not accurately located.

EAST LOGAN WATER DISTRICT

**Response to Logan Telephone Cooperative's Second Request for Information
Case No. 2021-00248**

Question No. 15

Responding Witnesses: Ethan Hudson/Earn Brown

Q-15. Produce all communications with the Kentucky Rural Water Association (the "Association") regarding the assistance the Association provided as described by East Logan in response to Request No. 1-20 of LTC's First Requests for Information.

A-15. No written communications with Kentucky Rural Water Association ("KRWA") regarding its assistance exist. Mr. Jasper Wyatt provided the assistance on behalf of Kentucky Rural Water Association. He can be contacted at (270) 843-2291 or j.wyatt@krwa.org.

East Logan Water District monthly provides customer information to KRWA to populate and update its mapping system. This information is not relevant to the request, contains confidential customer information, and has not been provided.