

EcoStruxure Geo SCADA Expert 2019

Software for Telemetry and Remote SCADA Solutions

License Procurement Guide
December 2019

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Introduction

The Geo SCADA Expert procurement guide is a reference for both sales and administrative personnel within the Schneider Electric launched countries tasked with the sale and procurement of Geo SCADA Expert.

Outlined are the basics surrounding the Geo SCADA Expert product offering, key type options, delivery options, annual service & support, along with relevant part numbering and order requirements.

Geo SCADA Expert is managed by the Schneider Electric - Telemetry and Remote SCADA Solutions (TRSS) Team in Kanata, Ontario, Canada. Contact information for the TRSS team is listed at the end of this guide.

Licensing Options

Geo SCADA Expert offers two licensing options; **USB key and software key**. Each license has a unique serial number assigned to it that is used to track and activate the software.

License Key Type & Delivery Options

USB Key – Delivery Options

This option is a physical key that plugs into the USB port of the machine that is hosting the Geo SCADA Expert software. If a USB key chosen, the following option is required for **each** ViewX **and** Server license:

USB Key - Shipment from TRSS: This license key is programmed by TRSS with the desired server I/O size, optional clients and driver connectivity being purchased and shipped from the factory. This option requires a ship-to address to be provided along with any courier preferences.

| Part Number | Description |
|------------------|---|
| TBUCLIC-TRS01USB | GEO SCADA, 1 USB KEY - SHIPMENT FROM TRSS |

Software Key – Delivery Options

Software keys use a license file to validate Geo SCADA Expert using a unique code called the machine ID. The machine ID is generated on the host machine and sent to the TRSS team by email and a software license file is returned to the user.

NOTE – To transfer a software license from one machine to another, a new license file will need to be generated by TRSS.

If a software key is chosen, one of the two following options is required for **each** ViewX, Virtual ViewX Web Server **and** Server license:

- 1) **Software Key - Shipment from TRSS:** The software is shipped from TRSS with a serial number included. The machine ID is then sent by email to TRSS and license file is returned to the user. This option requires a ship-to address to be provided along with any courier preferences.

| Part Number | Description |
|------------------|--|
| TBUCLIC-TRS01SWK | GEO SCADA, 1 SOFTWARE KEY - SHIPMENT FROM TRSS |

- 2) **Software Key - Remote Activation:** This option is for customers who want to download a copy of the software, and does not require a physical shipment. Upon receipt of a PO, TRSS will assign a serial number.

| Part Number | Description |
|------------------|---|
| TBUCLIC-RMT01SWK | GEO SCADA, 1 SOFTWARE KEY - REMOTE ACTIVATION |

Software and USB license keys are shipped from TRSS with the latest release of Geo SCADA Expert and corresponding key support version.

Server Options

- Server licenses are sold based upon fixed data point sizes ranging from 250 to 1,000,000 I/O points
- Servers are available in either USB or software license keys
- Each Geo SCADA Expert server includes one embedded ViewX client license which is available on the machine hosting the server

| Part Number | Description |
|----------------|--------------------------------------|
| TBUCSR-0250PT | GEO SCADA SERVER - 250 POINT |
| TBUCSR-0500PT | GEO SCADA SERVER - 500 POINT |
| TBUCSR-1500PT | GEO SCADA SERVER - 1,500 POINT |
| TBUCSR-5000PT | GEO SCADA SERVER - 5,000 POINT |
| TBUCSR-010KPT | GEO SCADA SERVER - 10,000 POINT |
| TBUCSR-025KPT | GEO SCADA SERVER - 25,000 POINT |
| TBUCSR-050KPT | GEO SCADA SERVER - 50,000 POINT |
| TBUCSR-075KPT | GEO SCADA SERVER - 75,000 POINT |
| TBUCSR-100KPT | GEO SCADA SERVER - 100,000 POINT * |
| TBUCSR-150KPT | GEO SCADA SERVER - 150,000 POINT * |
| TBUCSR-250KPT | GEO SCADA SERVER - 250,000 POINT * |
| TBUCSR-500KPT | GEO SCADA SERVER - 500,000 POINT * |
| TBUCSR-750KPT | GEO SCADA SERVER - 750,000 POINT * |
| TBUCSR-1000KPT | GEO SCADA SERVER - 1,000,000 POINT * |

* Please consult your sales manager prior to quoting these server sizes to ensure optimal application performance and support.

Each server license requires the selection of an additional part number which determines the key type and delivery option required for the license.

The Geo SCADA Expert Database Manager allows users to create and run multiple instances of Geo SCADA Expert on a single machine. The cumulative license requirements (including I/O points, floating clients, web base server, and connectivity options) for running Geo SCADA Expert database instances must be licensed via the purchase of one or more Server licenses. Exceeding the cumulative capacity of the purchased license(s) across multiple database instances is not allowed.

Server Point Upgrades

Server point size upgrades are available in fixed increments relative to server size offerings:

| Part Number | Description |
|--------------------|---|
| TBUCUPG-0250S0500 | GEO SCADA UPGRADE, 250 POINT TO 500 POINT SERVER |
| TBUCUPG-0500S1500 | GEO SCADA UPGRADE, 500 POINT TO 1,500 POINT SERVER |
| TBUCUPG-1000S5000 | GEO SCADA UPGRADE, 1,500 POINT TO 5,000 POINT SERVER |
| TBUCUPG-5000S010K | GEO SCADA UPGRADE, 5,000 POINT TO 10,000 POINT SERVER |
| TBUCUPG-010KS025K | GEO SCADA UPGRADE, 10,000 POINT TO 25,000 POINT SERVER |
| TBUCUPG-025KS050K | GEO SCADA UPGRADE, 25,000 POINT TO 50,000 POINT SERVER |
| TBUCUPG-050KS075K | GEO SCADA UPGRADE, 50,000 POINT TO 75,000 POINT SERVER |
| TBUCUPG-075KS100K | GEO SCADA UPGRADE, 75,000 POINT TO 100,000 POINT SERVER |
| TBUCUPG-100KS150K | GEO SCADA UPGRADE, 100,000 POINT TO 150,000 POINT SERVER |
| TBUCUPG-150KS250K | GEO SCADA UPGRADE, 150,000 POINT TO 250,000 POINT SERVER* |
| TBUCUPG-250KS500K | GEO SCADA UPGRADE, 250,000 POINT TO 500,000 POINT SERVER* |
| TBUCUPG-500KS750K | GEO SCADA UPGRADE, 500,000 POINT TO 750,000 POINT SERVER* |
| TBUCUPG-750KS1000K | GEO SCADA UPGRADE, 500,000 POINT TO 1,000,000 POINT SERVER* |

*Please consult your sales manager prior to purchasing such item to ensure optimal application performance.

WebX Base Servers and Concurrent WebX Connections

- WebX Base Servers and Concurrent WebX connections are currently available for Geo SCADA Expert 2019 but will not be available to purchase for future Geo SCADA Expert releases.
- New customers are encouraged to purchase the Virtual ViewX license (shown on page 6) instead of the WebX Base Servers and Concurrent WebX connections.
- WebX are “thin” clients that are enabled by the server license.
- Enabling WebX requires a base server, which is chosen based on the server I/O size.
- WebX Base Server and concurrent connection options can be purchased with the server or added to an existing server

Base server options must be purchased for any server that is to host WebX connections

| Part Number | Description |
|-----------------|---|
| TBUCWEB-0250SRV | GEO SCADA WEBX, 250 POINT BASE WEB SERVER LICENSE |
| TBUCWEB-0500SRV | GEO SCADA WEBX, 500 POINT BASE WEB SERVER LICENSE |
| TBUCWEB-1500SRV | GEO SCADA WEBX, 1500+ POINT BASE WEB SERVER LICENSE |

Web connection options

| Part Number | Description |
|-----------------|---|
| TBUCWEB-0001CWC | GEO SCADA WEBX, 1 CONCURRENT WEB CONNECTION |
| TBUCWEB-0010CWC | GEO SCADA WEBX, 10 OR MORE CONCURRENT WEB CONNECTIONS |
| TBUCWEB-0025CWC | GEO SCADA WEBX, 25 OR MORE CONCURRENT WEB CONNECTIONS |
| TBUCWEB-0050CWC | GEO SCADA WEBX, 50 OR MORE CONCURRENT WEB CONNECTIONS |

Sales of Concurrent Webx connections are eligible for a discount based on quantity brackets. These are recommended discounts only and are not mandatory.

The price breaks are only applicable on a per server per order basis. If a customer owns ten existing Concurrent WebX connections and wants to purchase an additional five, the sale would need to be processed using the one Concurrent webX connection part number and cost. If a customer wants to purchase ten Concurrent WebX connections and orders three servers with an order, they cannot use the 10 or more discount pricing bracket.

WebX base web server incremental upgrade options

| Part Number | Description |
|-------------------|---|
| TBUCUPG-0250W0500 | GEO SCADA UPGRADE, 250 PT WEBX SERVER TO 500 PT WEBX SERVER |
| TBUCUPG-0500W1500 | GEO SCADA UPGRADE, 500 PT WEBX SERVER TO 1500+ PT WEBX SERVER |

Each part number, from current point size to the desired point size, is to be purchased for the upgrade to be processed.

Virtual ViewX Licenses

- New customers are encouraged to purchase the Virtual ViewX license instead of the WebX Base Servers and Concurrent WebX connections.
- The Virtual ViewX license is used as a client application to connect to a Geo SCADA Expert database via Microsoft Internet Explorer, Google Chrome, Firefox and Safari HTML5 browsers.

Purchase of New Virtual ViewX Licenses

- A new purchase of a Virtual ViewX license should include the software key (TBUCLIC-RMT01SWK), Virtual ViewX web server (TBUCVVS-SRV01) and the required number of Virtual ViewX concurrent connections needed for your system.
- You can also add additional Virtual ViewX concurrent connections after the initial install by purchasing the required number of Virtual ViewX concurrent connections.

Exchange of Concurrent WebX Connections for Virtual ViewX Licenses

- Customers who are using Geo SCADA Expert can exchange WebX Base Servers and Concurrent WebX connections for Virtual ViewX web servers and Virtual ViewX concurrent connections.
- One Concurrent WebX connection can be exchanged for one Virtual ViewX concurrent connection.
- WebX Base Servers can be exchanged for Virtual ViewX web servers (TBUCVVS-SRV01) as a one to one exchange rate.
- Customers in a valid support contract would be required to purchase a reprogramming fee for the exchange.
- Customers whose contract has lapsed would be required to purchase a reprogramming fee for each server and connection being exchanged.

Specific examples of exchanges outlined on Appendix 3.

| Part Number | Description |
|-----------------|--|
| TBUCVVS-SRV01 | GEO SCADA VIRTUAL VIEWX, 1 WEB SERVER LICENSE |
| TBUCVVS-0001CWC | GEO SCADA VIRTUAL VIEWX, 1 CONCURRENT CONNECTION |
| TBUCVVS-0010CWC | GEO SCADA VIRTUAL VIEWX, 10 OR MORE CONCURRENT CONNECTIONS |
| TBUCVVS-0025CWC | GEO SCADA VIRTUAL VIEWX, 25 OR MORE CONCURRENT CONNECTIONS |

ViewX Client Options

- Standalone ViewX clients require a delivery option part number to be selected.
- Floating ViewX clients can be purchased with the initial server or added post-sale as an update to an existing server license. These clients also serve as a single seat client license; however they are enabled on the server license and remotely distributed to workstations within the Geo SCADA Expert system.
- Sales of ViewX clients are eligible for a discount based upon predetermined quantity brackets. These are recommended discounts only and are not mandatory.

| Part Number | Description |
|-------------------|---|
| TBUCVWX-0001CLL | GEO SCADA VIEWX CLIENT, 1 CLIENT LICENSE** |
| TBUCVWX-0010CLL | GEO SCADA VIEWX CLIENT, 10 OR MORE CLIENT LICENSES** |
| TBUCVWX-0025CLL | GEO SCADA VIEWX CLIENT, 25 OR MORE CLIENT LICENSES** |
| TBUCVWX-0001FLL | GEO SCADA VIEWX CLIENT, 1 FLOATING LICENSE* |
| TBUCVWX-0010FLL | GEO SCADA VIEWX CLIENT, 10 OR MORE FLOATING LICENSES* |
| TBUCVWX-0025FLL | GEO SCADA VIEWX CLIENT, 25 OR MORE FLOATING LICENSES* |
| TBUCVWX-CLFRED | GEO SCADA VIEWX CLIENT, FLOATING LICENSE, REDUNDANT SERVER*** |
| TBUCVWX-001FLLCLL | GEO SCADA VIEWX TRANSFER, 1 FLOATING TO FIXED**** |
| TBUCVWX-010FLLCLL | GEO SCADA VIEWX TRANSFER, 10 FLOATING TO FIXED**** |
| TBUCVWX-025FLLCLL | GEO SCADA VIEWX TRANSFER, 25 FLOATING TO FIXED**** |

*Floating ViewX clients are purchased using the same example steps listed under the WebX and connectivity options sections at time of sale or as an addition to an existing server. Please see these examples when purchasing this option.

**Standalone ViewX client licenses can be purchased using the same example steps listed under the server section, without the client or connectivity options.

***Redundant Floating ViewX Client licenses are only available for redundant Geo SCADA Expert server license purchases where existing ViewX floating licenses are purchased on the Main Geo SCADA Expert server instance. Redundant ViewX licenses cannot be used to extend the systems concurrent user capacity beyond the number of floating ViewX licenses purchased. The number of redundant ViewX licenses on each redundant server instance is limited to the number of ViewX licenses on the Main server instance.

The price breaks are only applicable on a per order per server basis. If a customer owns ten existing client licenses and wants to purchase an additional five, the sale would need to be processed using the one client part number and cost. Or, if a customer wants to purchase ten floating clients and orders three servers on an order, they cannot split the ten floating clients amongst the three servers and receive the bulk discount.

****When transferring a floating ViewX client to a Standalone ViewX client, the customer must provide the serial number of the original server which is losing the floating ViewX. A license delivery method must also be included with the purchase.

Each standalone ViewX client license requires the selection of an additional part number which determines the key type and delivery option (not required for floating ViewX clients).

Geo SCADA Mobile

Geo SCADA Mobile is an Android™ and Apple IOS based mobile client and server application for Geo SCADA Expert. It brings mobility to SCADA operations, allowing technical staff and managers alike to obtain real time information on the performance of the system, even while working in remote locations.

Geo SCADA Mobile is sold in fixed packages consisting of the server, system connection(s) and the mobile device connection(s). For each additional Geo SCADA Expert database you want to connect to, you must purchase an additional database connection. Devices and system connections are enabled on a single license key provided upon purchase of the mobile package.

The Geo SCADA Mobile Configurator, which is the interface to manage licensing and distribution of device connections is available for installation via the Geo SCADA Expert DVD. The application file for each mobile device can be downloaded for free from the respective Google or Apple application store.

Geo SCADA Mobile server packages:

| Part Number | Description |
|---------------|---|
| TBUCMBL-STR05 | GEO SCADA MOBILE STARTER PACK – 1 SERVER, 1 SYSTEM CONNECTION, 5 DEVICE |
| TBUCMBL-PRF10 | GEO SCADA MOBILE PROFESSIONAL PACK – 1 SERVER, 1 SYSTEM CONNECTION, 10 DEVICE |
| TBUCMBL-FLL15 | GEO SCADA MOBILE FULL PACK – 1 SERVER, 1 SYSTEM CONNECTION, 15 DEVICE |

Additions and upgrades to existing license packages are listed below:

| Part Number | Description |
|--------------------|---|
| TBUCMBL-DEV01 | GEO SCADA MOBILE FULL PACK – 1 ADDITIONAL MOBILE DEVICE CONNECTION* |
| TBUCMBL-DBC01 | GEO SCADA MOBILE DATABASE SYSTEM CONNECTION (INCLUDES REDUNDANCY) |
| TBUCMBL-UPGSTR-PRF | GEO SCADA MOBILE UPGRADE – STARTER PACK TO PROFESSIONAL PACK |
| TBUCMBL-UPGPRF-FLL | GEO SCADA MOBILE UPGRADE – PROFESSIONAL PACK TO FULL PACK |

*Additional mobile device connections are only available once the Geo SCADA Mobile Full Pack level has been purchased.

Geo SCADA Mobile packs are subject to the same annual service and support guidelines and policies that apply to production Geo SCADA Expert licenses.

No key type / delivery option is required for Geo SCADA Mobile licenses. Geo SCADA Mobile license keys are machine ID based soft key files.

Driver Options – OPC Clients, Realflo, Siemens S7, Crystal Reports, WITS, Oil and Gas EFM Suite

- The OPC client option allows Geo SCADA Expert to act as an OPC server for other OPC clients to connect with and to extract data from the Geo SCADA Expert server. The license allows for a fixed number of 256 connections upon single purchase.
- Realflo is a proprietary gas flow calculation tool enabled on the Geo SCADA Expert server. The license option allows for unlimited flow runs and usage of the FlowCal export driver upon single purchase.
- The WITS-DNP3 is a set of standardized extensions to the DNP3 protocol which provides a vendor-independent way of configuring and deploying extended RTU functionality.
- Siemens S7 PLC driver is available for customers who use Geo SCADA Expert to interface with Siemens S7 PLC's.
- These drivers can be purchased with the server or added to an existing server.

| Part Number | Description |
|------------------|------------------------------------|
| TBUCDRV-SIEMENS7 | GEO SCADA DRIVER, SIEMENS S7 PLC |
| TBUCLIC-OPC | GEO SCADA OPC SERVER, OPC CLIENTS |
| TBUCLIC-WITS | GEO SCADA DRIVER, WITS DNP3 |
| TBUCLIC-FLO | GEO SCADA REALFLO, REALFLO LICENSE |

Connectivity options are interchangeable with I/O size, key type, delivery option and are to be repeated for each server that requires such functionality. When ordering drivers for existing Geo SCADA Expert servers the serial number must be included with the initial order.

NOTE – It is only necessary to purchase one of any of the driver options once per server to give the user functionality.

Crystal Reports

Access to the embedded Crystal Reports functionality within Geo SCADA Expert requires purchase of a Crystal Reports Runtime license. Schneider Electric is required to purchase this runtime license from SAP on behalf of our customers, which is available using the following part number.

Selecting not to purchase the following Crystal Reports Runtime license will mean that the embedded Crystal Reports functionality (previously provided at no charge) of generating and exporting Crystal Reports is NOT available.

| Part Number | Description |
|-----------------|---------------------------------|
| TBUCLIC-CRYSTAL | CRYSTAL REPORTS RUNTIME LICENSE |

A Crystal Reports runtime license is interchangeable with I/O size, key type, and delivery option, and is to be repeated for each server that requires it. When ordering drivers for existing Geo SCADA Expert servers the serial number must be included with the initial order.

NOTE – It is only necessary to purchase one of any of the driver options once per server to give the user functionality.

Oil and Gas EFM Suite

The Oil and Gas Electronic Flow Measurement Suite is comprised of the ABB Total Flow Computer, the Emerson Roc Plus Flow Computer and the Emerson FloBoss Flow Computer.

| Part Number | Description |
|-----------------|----------------------------|
| TBUCDRV-OGSUITE | GEO SCADA O&G DRIVER SUITE |

NOTE – It is only necessary to purchase one of any of the driver options once per server to give the user functionality.

Academic and Partner Licenses

Academic licenses are available for recognized higher education institutions. Partner licenses come included in the Alliance Telemetry Program enrollment kit. Additional keys are available for purchase using the part number at the end of this section.

- Each of these license types is programmed to demonstrate the features that are commercially available with Geo SCADA Expert:
 - 50,000 point server
 - Embedded ViewX client license for the machine hosting the server
 - Two Floating ViewX clients
 - OPC Server
 - WebX Base Server and two WebX connections
 - Virtual ViewX licenses are not provided – Customers may use the online free trial licenses
 - Realflo driver
 - Siemens S7 Driver
 - Native driver suite
 - Oil and Gas EFM Suite
 - Main/stand-by redundancy enabled
 - 12 hour license run-time
 - Current version support and backward licensing compatibility
 - Renewed on a yearly basis

Annual support is not required when purchasing Academic or Partner licenses; however, renewal of Partner licenses is conditional on continued ATP membership. To renew the Academic license for another year, a purchase order must be submitted for the appropriate part below. The Partner licenses are only renewed if a Telemetry Alliance member renews their membership.

| Part Number | Description |
|------------------|----------------------------|
| TBUCLIC-ACADEMIC | GEO SCADA ACADEMIC LICENSE |
| TBUCLIC-PARTNER | GEO SCADA PARTNER LICENSE |

Each academic license requires the selection of an additional part number which determines the key type and license delivery option (Refer to Licensing Options)

Geo SCADA Expert Demo DVD's

Copies of Geo SCADA Expert demo DVD's are also available for sales personnel to distribute to prospective customers:

| Part Number | Description |
|------------------|-------------------------------|
| TBUCKIT-050DEMCD | GEO SCADA DEMO DVDs (50 PACK) |

Demo DVD packs do not require the selection of a key type as they are not used for commercial applications. A ship to address will still need to be confirmed with the purchase order. Individual DVD's or quantities less than 50 are not available.

License Key Type Exchange and Replacement

Key type exchange and replacements are available; however, they are subject to an administration fee.

| Part Number | Description |
|-----------------|-------------------------------|
| TBUCEXC-KEYTYPE | GEO SCADA KEY TYPE EXCHANGE |
| TBUCEXC-USBREPL | GEO SCADA USB KEY REPLACEMENT |

License key exchanges and replacements require an additional part number which determines the key type and delivery option required for the license key (Refer to Licensing Options)

Annual support is not required when purchasing a license key exchange. TRSS may require signed documentation from the end user prior to processing a key type exchange or replacement. To confirm such details prior to placing the order, an email stating the license key serial number can be sent to the Geo SCADA Expert team email address listed at the end of this document.

Customers who are changing from a dongle to a soft license must confirm that their dongle has expired by showing screenshots of the dongle expiration date. Once the dongle is confirmed expired, the software license can be provided.

Reprogramming Fee

This fee is charged for any post sale reconfiguration of an existing server, which is when a customer changes the make-up of their server or transfers specific features from one license to another. Not subject to this fee are server I/O upgrades and annual support version updates.

Customers are not allowed to change a specific feature from one kind to another. For example, a customer is not able to turn a WebX connection into a floating ViewX or change Crystal Reports into an OPC server regardless of their support status. Changing a standalone ViewX client into a floating ViewX client is the only change involving different parts / features that is allowed and for this the reprogramming fee would apply

| Part Number | Description |
|-----------------|------------------------------------|
| TBUCLIC-PROGFEE | GEO SCADA LICENSE REPROGRAMING FEE |

End User Test & Development Licenses

End User Test & Development licenses are available for the purpose of temporary offline development and testing activities, and to SIs and Partners for development and demonstration purposes.

End Users must have previously purchased a full Geo SCADA Expert Server license which is still operational (i.e. not obsolete) to be eligible for the below subscription license. This is to prevent abuse of this subscription as a “cheap replacement” for full purchase of standard Geo SCADA Expert Server Licenses.

A 12-month subscription license is programmed to allow all of the features that are commercially available with Geo SCADA Expert for offline development and testing including:

- Selection of 50K, 250K, 500K or 1000K data points
- Embedded ViewX Client license for the machine hosting the server
- Qty 2 Server-side Floating ViewX clients
- Full OPC client connectivity
- WebX Base Server and Qty 2 concurrent connections
- Virtual ViewX licenses are not provided – Customers may use the online free trial licenses
- Native driver Suite
- Crystal Reports Driver
- Realflo Driver
- Siemens S7 Driver
- O&G driver Suite
- Main stand-by / redundancy enabled
- Full version support and backward licensing compatibility
- 240 hour (10 day) runtime
- 12 month expiry

This is also available for purchase by SI or other partners.

There are no annual support fees associated with this purchase, however the subscription requires an annual renewal, ordered using the same Part Number. A subscription license allows for 10 days of continuous run-time and expires 12 months from the date of purchase.

| Part Number | Description |
|--------------------|--|
| TBUCLIC-TSTDEV050K | GEO SCADA TEST AND DEV SUBSCRIPTION – 50K POINTS |
| TBUCLIC-TSTDEV250K | GEO SCADA TEST AND DEV SUBSCRIPTION – 250K POINTS |
| TBUCLIC-TSTDEV500K | GEO SCADA TEST AND DEV SUBSCRIPTION – 500K POINTS |
| TBUCLIC-TSTDEV1.0M | GEO SCADA TEST AND DEV SUBSCRIPTION – 1000K POINTS |

Each license requires the selection of an additional part number which determines the key type and license delivery option (Refer to Licensing Options)

Geo SCADA Expert Annual Service & Support

Membership in the annual service & support program provides the access to technical support and version updates at no additional cost. Servers, clients and drivers purchased are subject to annual support.

Support is sold in fixed cost units, with each Geo SCADA Expert part having a predetermined number of units associated with it. The cost is then calculated by multiplying the number of units required by the fixed support unit cost.

| Description of Products Ordered | Unit QTY | Support QTY | List Price | Total |
|--|----------|-------------|------------|--------------------|
| GEO SCADA SERVER - 1,500 POINT | 1 | 81 | \$ 12.00 | \$ 972.00 |
| GEO SCADA VIEWX CLIENT, 1 FLOATING LICENSE | 2 | 58* | \$12.00 | \$ 696.00 |
| GEO SCADA OPC SERVER, OPC CLIENTS | 1 | 11 | \$ 12.00 | \$ 132.00 |
| GEO SCADA, 1 USB KEY - SHIPMENT FROM TRSS | 1 | 0 | - | \$ - |
| | | | | \$ 1,800.00 |

*Support is doubled because two floating ViewX clients were ordered.

End user sites do not have the choice of purchasing support on only a subset of the Geo SCADA Expert products that they own. Support must be either accepted or declined for the entire order.

When ordering new parts for an end user that is in a support contract, the one year's support needs to be purchased. At the time of the next support renewal, the support units are prorated into the upcoming support term. For example, when the customer adds another WebX connection 11 months into their support contract, they will purchase 16 units of support at the time of purchase. Then on their next renewal the 16 units will be prorated and they will only be billed for one month of support on that WebX client.

Although annual support is not mandatory for new end users, except in the USA, it is highly encouraged to take advantage of this program to ensure timely access to the program benefits and TRSS resources.

Annual support agreements are renewed on a yearly basis. The one-year term begins on the date in which the first items are invoiced. The part number listed above is also used for renewals.

A customer can renew their support term or purchase their initial licenses with more than one year of support. For this to happen take the number of support units and multiply by the desired number of support years to get the new total of required support units. Note that purchasing three years of support going forward is the maximum term allowed.

A listing of unit quantities has been included in Appendix 1.

Annual Support Reinstatement

When an end user wants to purchase support and the annual support contract has lapsed, or support was not originally purchased, they are subject to a retroactive support payment, maximum three years, in addition to the upcoming year.

In summary – each annual support reinstatement PO will require both of the support part numbers and the respective quantities.

- TBUCSUP-REINST – To cover the lapsed time on the items under the annual support agreement up to the start date of the new term.
- TBUCSUP-UNIT – To cover the year moving forward from the start date of the new term.

| Part Number | Description |
|----------------|---|
| TBUCSUP-REINST | GEO SCADA SUPPORT REINSTATEMENT - 1 UNIT* |
| TBUCSUP-UNIT | GEO SCADA ANNUAL SERVICE & SUPPORT - 1 UNIT |

Purchase Order Requirements (PO)

Upon submission of a purchase order to the TRSS team in Kanata, please include the following information:

Part Numbers

Valid part numbers for the required product(s), key type and delivery options, along with the respective price(s) are required for PO acceptance.

End User Information & License Profile Form

End user contact information, along with the allocation of purchased client and/or driver options to a server license, is required by TRSS to ensure that license keys are programmed to the desired specification and the appropriate end user personnel are on file for support and notification purposes. This form is also used to confirm whether the end user wants to purchase support. This option has been removed in the USA as support is mandatory for new users.

A standardized form to assist with the collection of this information has been included in Appendix 2. This information is required prior to the acceptance of each PO by TRSS.

Industry

TRSS has four industry classifications for customer orders and one must be identified with every purchase order submission. These classifications are:

- Water / Waste Water
- Oil & Gas
- Power & Power Utility
- Other (to be used for applications that do not fall under any of the above)

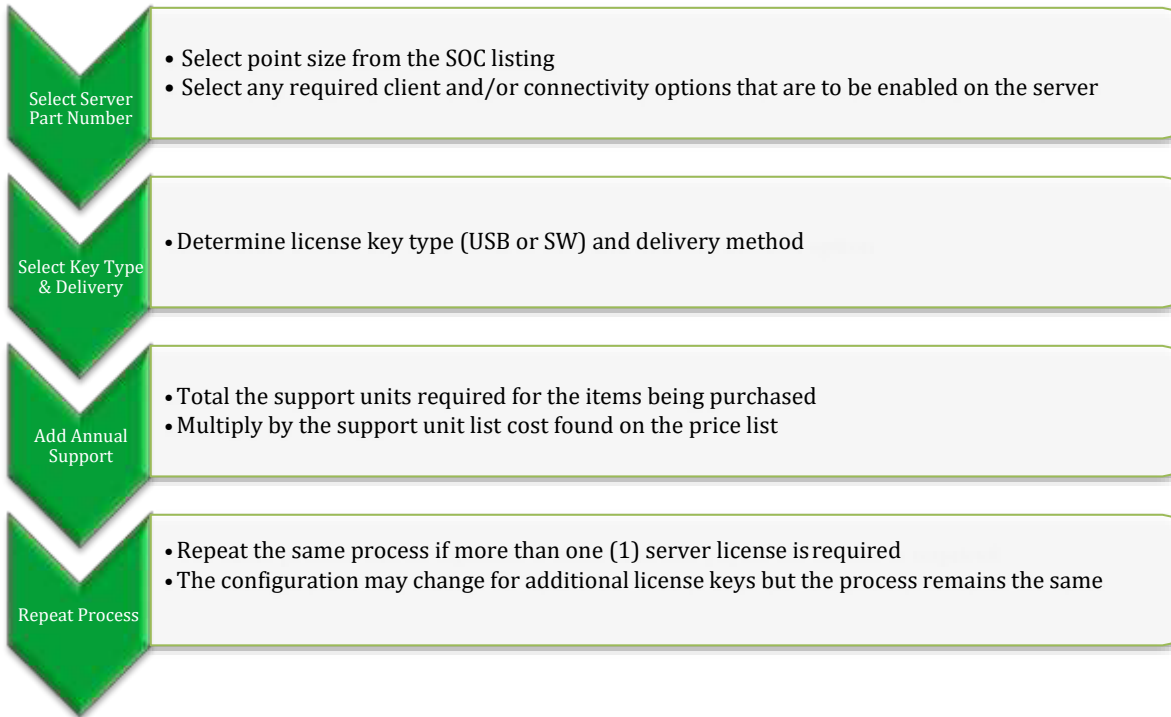
Serial Numbers

The serial number is a unique identifier that TRSS assigns to each Geo SCADA Expert license (server, standalone ViewX and Virtual ViewX Web Server) key. A sample Geo SCADA Expert serial number is "D100999". Serial numbers are located in the following locations:

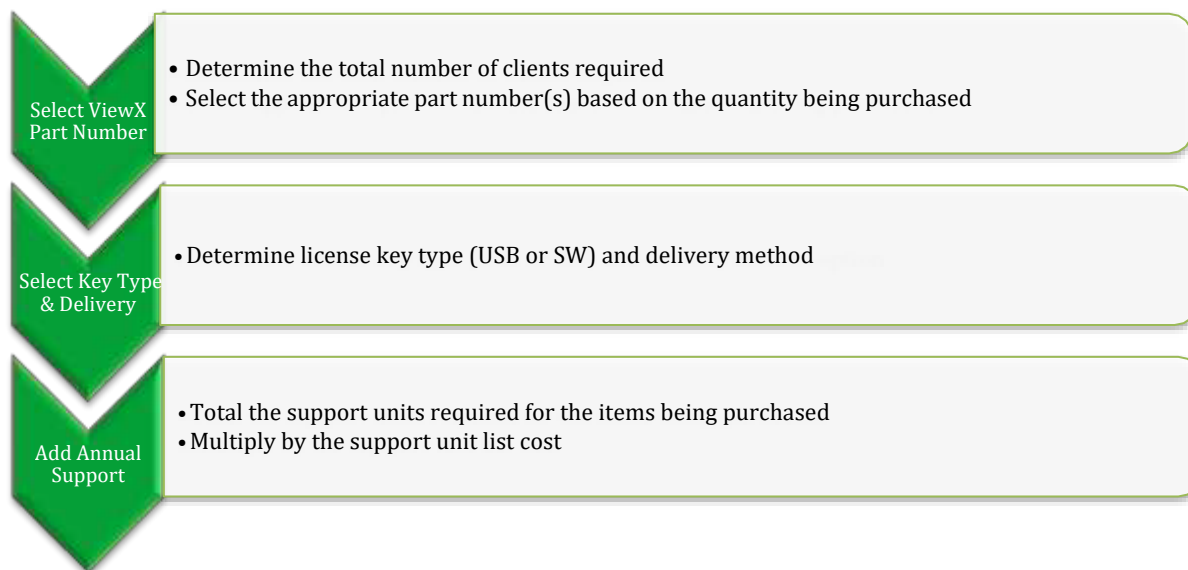
- Back of the Geo SCADA Expert installation DVD case
- Affixed to the USB key
- The name of the software key license file

Serial numbers must be included with the submission of a PO for additional options, upgrades and/or reprogramming of a license. Do not confuse Serial Numbers (DXXXXXX) with the Virtual ViewX Serial Number (ZZZZ-ZZZZ-etc) – the latter are used as part of the Virtual ViewX licensing process.

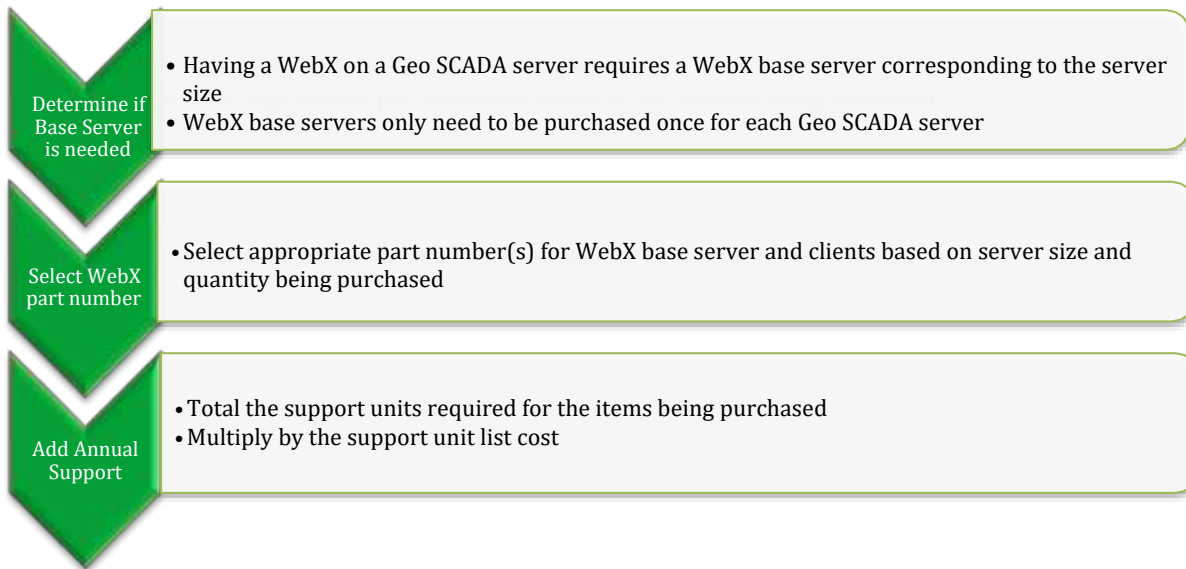
How to Purchase – Servers



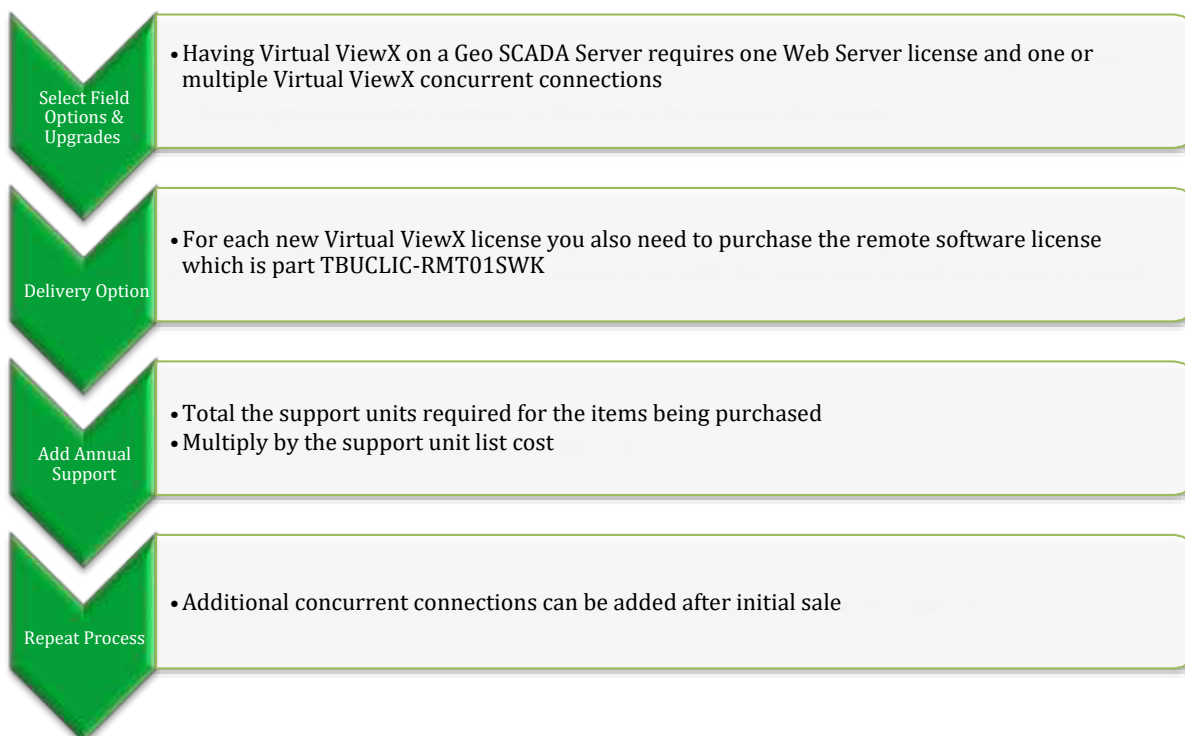
How to Purchase – Standalone ViewX Clients



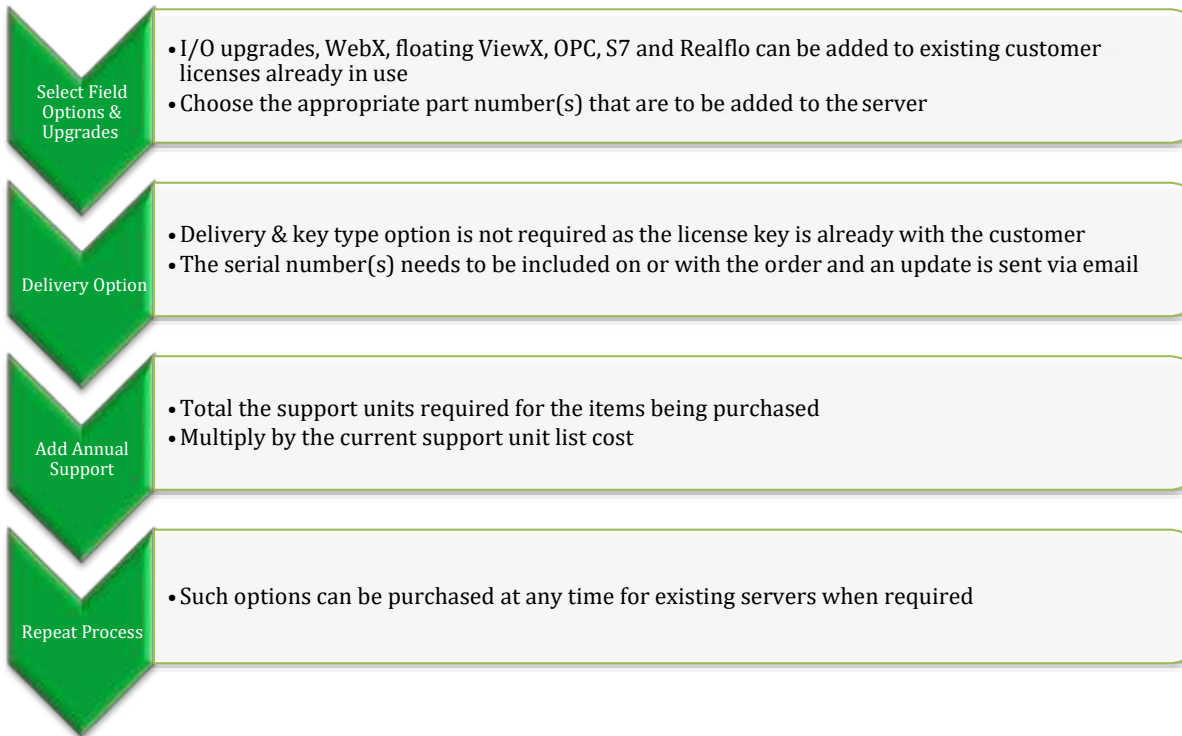
How to Purchase – WebX Clients



How to Purchase – Virtual ViewX Licenses



How to Purchase – Additional Options & I/O Upgrades for Existing Keys



TRSS Contact Information

| | |
|---|---|
| Email: OrdersTRSS@se.com | Phone (Direct Worldwide): + 1 (613) 591-1943 |
| URL: Geo SCADA Expert – Official Website | |

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Appendix 1: Annual Support Unit Quantities

| Part Number | Description | Units |
|--------------------|---|-------|
| TBUCSR-0250PT | GEO SCADA SERVER – 250 POINT | 27 |
| TBUCSR-0500PT | GEO SCADA SERVER – 500 POINT | 54 |
| TBUCSR-1500PT | GEO SCADA SERVER – 1,500 POINT | 81 |
| TBUCSR-5000PT | GEO SCADA SERVER – 5,000 POINT | 115 |
| TBUCSR-010KPT | GEO SCADA SERVER – 10,000 POINT | 135 |
| TBUCSR-025KPT | GEO SCADA SERVER – 25,000 POINT | 169 |
| TBUCSR-050KPT | GEO SCADA SERVER – 50,000 POINT | 201 |
| TBUCSR-075KPT | GEO SCADA SERVER – 75,000 POINT | 251 |
| TBUCSR-100KPT | GEO SCADA SERVER – 100,000 POINT | 307 |
| TBUCSR-150KPT | GEO SCADA SERVER – 150,000 POINT | 395 |
| TBUCSR-250KPT | GEO SCADA SERVER – 250,000 POINT | 540 |
| TBUCSR-500KPT | GEO SCADA SERVER – 500,000 POINT | 873 |
| TBUCSR-750KPT | GEO SCADA SERVER – 750,000 POINT | 1356 |
| TBUCSR-1000KPT | GEO SCADA SERVER – 1,000,000 POINT | 1840 |
| TBUCVWX-0001CLL | GEO SCADA VIEWX CLIENT, 1 CLIENT LICENSE | 31 |
| TBUCVWX-0010CLL | GEO SCADA VIEWX CLIENT, 10 OR MORE CLIENT LICENSES | 31 |
| TBUCVWX-0025CLL | GEO SCADA VIEWX CLIENT, 25 OR MORE CLIENT LICENSES | 31 |
| TBUCVWX-0001FLL | GEO SCADA VIEWX CLIENT, 1 FLOATING LICENSE | 29 |
| TBUCVWX-0010FLL | GEO SCADA VIEWX CLIENT, 10 OR MORE FLOATING LICENSES | 29 |
| TBUCVWX-0025FLL | GEO SCADA VIEWX CLIENT, 25 OR MORE FLOATING LICENSES | 29 |
| TBUCVWX-CLFRED | GEO SCADA VIEWX CLIENT, FLOATING LICENSE, REDUNDANT SERVER*** | 4 |
| TBUCVWX-001FLLCLL | GEO SCADA VIEWX TRANSFER, 1 FLOATING TO FIXED | 2 |
| TBUCVWX-010FLLCLL | GEO SCADA VIEWX TRANSFER, 10 FLOATING TO FIXED | 2 |
| TBUCVWX-025FLLCLL | GEO SCADA VIEWX TRANSFER, 25 FLOATING TO FIXED | 2 |
| TBUCWEB-0250SRV | GEO SCADA WEBX, 250 POINT BASE WEB SERVER LICENSE | 7 |
| TBUCWEB-0500SRV | GEO SCADA WEBX, 500 POINT BASE WEB SERVER LICENSE | 20 |
| TBUCWEB-1500SRV | GEO SCADA WEBX, 1500+ POINT BASE WEB SERVER LICENSE | 34 |
| TBUCWEB-0001CWC | GEO SCADA WEBX, 1 CONCURRENT WEB CONNECTION | 16 |
| TBUCWEB-0010CWC | GEO SCADA WEBX, 10 OR MORE CONCURRENT WEB CONNECTIONS | 16 |
| TBUCWEB-0025CWC | GEO SCADA WEBX, 25 OR MORE CONCURRENT WEB CONNECTIONS | 16 |
| TBUCWEB-0050CWC | GEO SCADA WEBX, 50 OR MORE CONCURRENT WEB CONNECTIONS | 16 |
| TBUCVVS-SRV01 | GEO SCADA VIRTUAL VIEWX, 1 WEB BASE SERVER LICENSE | 34 |
| TBUCVVS-0001CWC | GEO SCADA VIRTUAL VIEWX, 1 CONCURRENT CONNECTION | 16 |
| TBUCVVS-0010CWC | GEO SCADA VIRTUAL VIEWX, 10 OR MORE CONCURRENT CONNECTIONS | 16 |
| TBUCVVS-0025CWC | GEO SCADA VIRTUAL VIEWX, 25 OR MORE CONCURRENT CONNECTIONS | 16 |
| TBUCDRV-SIEMENS7 | GEO SCADA DRIVER, SIEMENS S7 PLC | 11 |
| TBUCLIC-OPC | GEO SCADA OPC SERVER, OPC CLIENTS | 11 |
| TBUCLIC-CRYSTAL | CRYSTAL REPORTS RUNTIME LICENSE | 11 |
| TBUCLIC-FLO | GEO SCADA REALFLO, REALFLO LICENSE | 27 |
| TBUCUPG-0250S0500 | GEO SCADA UPGRADE, 250 POINT TO 500 POINT SERVER | 27 |
| TBUCUPG-0500S1500 | GEO SCADA UPGRADE, 500 POINT TO 1,500 POINT SERVER | 27 |
| TBUCUPG-1000S5000 | GEO SCADA UPGRADE, 1,500 POINT TO 5,000 POINT SERVER | 34 |
| TBUCUPG-5000S010K | GEO SCADA UPGRADE, 5,000 POINT TO 10,000 POINT SERVER | 20 |
| TBUCUPG-010KS025K | GEO SCADA UPGRADE, 10,000 POINT TO 25,000 POINT SERVER | 34 |
| TBUCUPG-025KS050K | GEO SCADA UPGRADE, 25,000 POINT TO 50,000 POINT SERVER | 32 |
| TBUCUPG-050KS075K | GEO SCADA UPGRADE, 50,000 POINT TO 75,000 POINT SERVER | 50 |
| TBUCUPG-075KS100K | GEO SCADA UPGRADE, 75,000 POINT TO 100,000 POINT SERVER | 56 |
| TBUCUPG-100KS150K | GEO SCADA UPGRADE, 100,000 POINT TO 150,000 POINT SERVER | 88 |
| TBUCUPG-150KS250K | GEO SCADA UPGRADE, 150,000 POINT TO 250,000 POINT SERVER | 145 |
| TBUCUPG-250KS500K | GEO SCADA UPGRADE, 250,000 POINT TO 500,000 POINT SERVER | 333 |
| TBUCUPG-500KS750K | GEO SCADA UPGRADE, 500,000 POINT TO 750,000 POINT SERVER | 483 |
| TBUCUPG-750KS1000K | GEO SCADA UPGRADE, 750,000 POINT TO 1,000,000 POINT SERVER | 484 |
| TBUCUPG-0250W0500 | GEO SCADA UPGRADE, 250 PT WEBX SERVER TO 500 PT WEBX SERVER | 14 |
| TBUCUPG-0500W1500 | GEO SCADA UPGRADE, 500 PT WEBX SERVER TO 1500+ PT WEBX SERVER | 14 |

| | | |
|--------------------|---|-----------|
| TBUCDRV-OGSUITE | GEO SCADA O&G DRIVER SUITE | 39 |
| TBUCMBL-STR05 | GEO SCADA MOBILE STARTER PACK - 1 SERVER, 1 SYSTEM CONNECTION, 5 DEVICES | 75 |
| TBUCMBL-PRF10 | GEO SCADA MOBILE PROFESSIONAL PACK - 1 SERVER, 1 SYSTEM CONN., 10 DEVICES | 109 |
| TBUCMBL-FLL15 | GEO SCADA MOBILE FULL PACK - 1 SERVER, 1 SYSTEM CONNECTION, 15 DEVICES | 130 |
| TBUCMBL-UPGSTR-PRF | GEO SCADA MOBILE UPGRADE - STARTER PACK TO PROFESSIONAL PACK | 34 |
| TBUCMBL-UPGPRF-FLL | GEO SCADA MOBILE UPGRADE - PROFESSIONAL PACK TO FULL PACK | 21 |
| TBUCMBL-DEV01 | GEO SCADA MOBILE FULL PACK - 1 ADDITIONAL MOBILE DEVICE CONNECTION | 2 |
| TBUCMBL-DBC01 | GEO SCADA MOBILE DATABASE SYSTEM CONNECTION (INCLUDES REDUNDANCY) | 14 |
| TBUCLIC-RMT01SWK | GEO SCADA, 1 SOFTWARE KEY - REMOTE ACTIVATION | Not Req'd |
| TBUCLIC-TRS01SWK | GEO SCADA, 1 SOFTWARE KEY - SHIPMENT FROM TRSS | Not Req'd |
| TBUCLIC-TRS01USB | GEO SCADA, 1 USB KEY - SHIPMENT FROM TRSS | Not Req'd |
| TBUCXC-KEYTYPE | GEO SCADA KEY TYPE EXCHANGE | Not Req'd |
| TBUCXC-USBREPL | GEO SCADA USB KEY REPLACEMENT | Not Req'd |
| TBUCLIC-PROGFEE | GEO SCADA LICENSE REPROGRAMING FEE | Not Req'd |
| TBUCLIC-ACADEMIC | GEO SCADA ACADEMIC LICENSE | Not Req'd |
| TBUCLIC-TSTDEV050K | GEO SCADA TEST AND DEV SUBSCRIPTION – 50K POINTS | Not Req'd |
| TBUCLIC-TSTDEV250K | GEO SCADA TEST AND DEV SUBSCRIPTION – 250K POINTS | Not Req'd |
| TBUCLIC-TSTDEV500K | GEO SCADA TEST AND DEV SUBSCRIPTION – 500K POINTS | Not Req'd |
| TBUCLIC-TSTDEV1.0M | GEO SCADA TEST AND DEV SUBSCRIPTION – 1000K POINTS | Not Req'd |
| TBUCSUP-UNIT | GEO SCADA ANNUAL SERVICE & SUPPORT - 1 UNIT | Not Req'd |
| TBUCSUP-REINST | GEO SCADA SUPPORT REINSTATEMENT - 1 UNIT | Not Req'd |

Appendix 2: GeoSCADA End User & License Profile

The below fields are required by Schneider Electric TRSS with the purchase of Geo SCADA Expert software. This information will ensure that license keys are programmed to the desired end user specification and the appropriate personnel are on file for support and notification purposes.

Information for all fields denoted with an asterisk is a mandatory requirement with your Geo SCADA Expert purchase.

| End User Site* – Please list the company that assumes final delivery and is the ultimate user of the software. | | | | | |
|--|-----------|---------------|------------------|-----------------|--|
| Company Name* | | | Primary Contact* | | |
| # / Street* | | | Phone Number(s)* | | |
| City* | | | Email* | | |
| State* | | | Country* | Zip* | |
| Industry of Usage* | Oil & Gas | Water / Waste | Power Utility | Other (Specify) | |

| Systems Integrator – Please list any systems integrator or contractor involved with the license(s) being purchased. | | | |
|---|--|--|-----------------|
| Company Name | | | Primary Contact |
| Phone Number(s) | | | Email |

| Server License Profile* – Please provide the following information to ensure each server license key(s) gets programmed to the desired specification. The option(s) should match those from your purchase order. | | | | | | | | | | |
|--|----------------------|------------------------------|--|-----------------------------|--------------------------------------|----------------------------------|-----------------|----------------|-------------------|-----|
| Server Details | | | Floating ViewX, WebX and Virtual ViewX | | | Connectivity Options (Yes or No) | | | | |
| Serial Number (if applicable) | Key Type (USB or SW) | Point Size (250 – 1,000,000) | Floating ViewX Clients | Concurrent WebX Connections | Virtual ViewX concurrent connections | OPC Server | Crystal Reports | Realflo Driver | Siemens S7 Driver | |
| Example | D10023 3 | USB | 1,500 | 3 | 2 | 0 | Yes | No | No | Yes |
| Key 1 | | | | | | | | | | |
| Key 2 | | | | | | | | | | |
| Key 3 | | | | | | | | | | |
| Key 4 | | | | | | | | | | |
| Key 5 | | | | | | | | | | |
| Key 6 | | | | | | | | | | |
| Key 7 | | | | | | | | | | |
| Key 8 | | | | | | | | | | |
| Key 9 | | | | | | | | | | |
| Key 10 | | | | | | | | | | |

Important Note – The above fields are designated for server license key(s) configuration. Standalone ViewX client(s), USB or software, do not need to be listed on this document as they are not configurable.

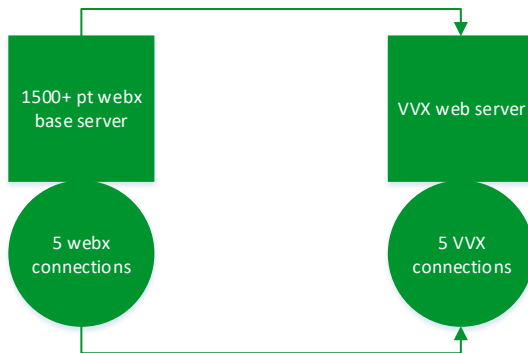
Once complete, please send this document and accompanying purchase order(s) to OrdersTRSS@se for processing.

Appendix 3: Virtual ViewX Exchange Examples

Customers who are in a valid support contract can exchange their Webx items into Virtual Viewx items for the cost of one reprogramming fee (TBUCLIC-PROGFEE). Customers who are not in a valid support contract would pay a reprogramming fee for each server and connection exchanged.

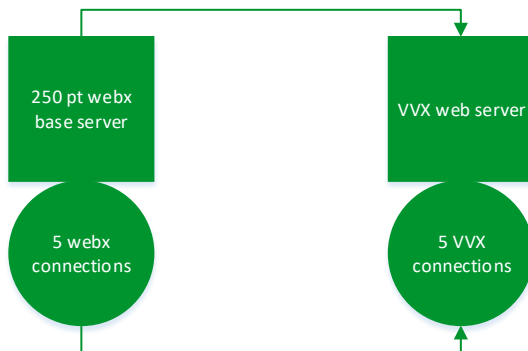
Here are five common examples for exchanges between Webx items and Virtual Viewx items.

- A 1500+ Webx Base Server with 5 Webx connections changing into a Virtual Viewx web server with 5 Virtual Viewx connections



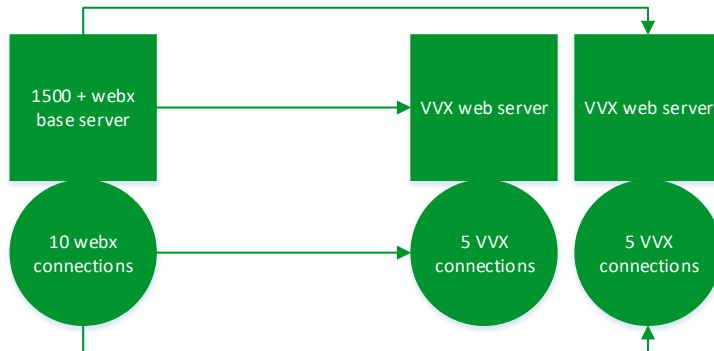
In Support: 1 @ TBUCLIC-PROGFEE
Out of Support: 6 @ TBUCLIC-PROGFEE

- A 250 Webx Base Server with 5 Webx connections changing into a Virtual Viewx web server with 5 Virtual Viewx connections



In Support: 1 @ TBUCLIC-PROGFEE
Out of Support: 6 @ TBUCLIC-PROGFEE

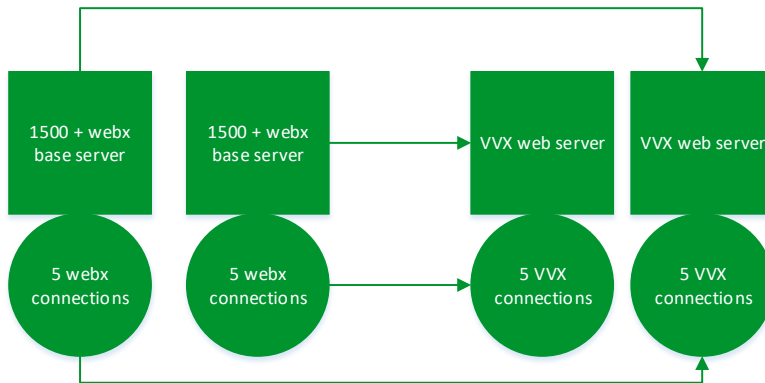
- A 1500+ Webx Base server with 10 Webx connections changing into 2 Virtual Viewx web servers with 5 Virtual Viewx connections each



In Support: 1 @ TBUCLIC-PROGFEE, 1 new VVX web server (TBUCVVS-SRV01), a remote activation for the new VVX web server (TBUCLIC-RMT01SWK) and applicable support

Out of Support: 11 @ TBUCLIC-PROGFEE & 1 new VVX web server (TBUCVVS-SRV01) and a remote activation for the new VVX web server (TBUCLIC-RMT01SWK)

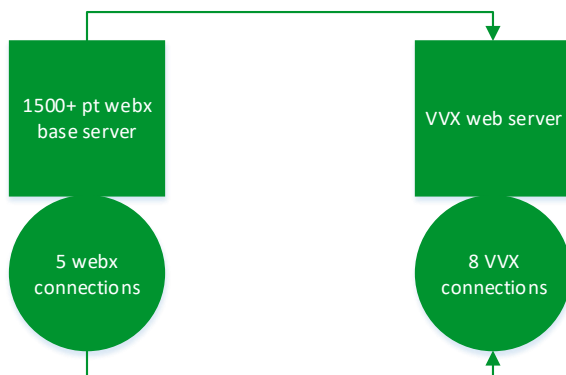
- 2 1500+ Webx Base servers with 5 Webx connections each, changing into 2 Virtual Viewx web servers with 5 Virtual Viewx connections each



In Support: 1 @ TBUCLIC-PROGFEE

Out of Support: 12 @ TBUCLIC-PROGFEE

- A 1500+ Webx Base server with 5 Webx connections changing into a Virtual Viewx web server with 8 Virtual Viewx connections



In Support: 1 @ TBUCLIC-PROGFEE, 3 new VVX connections (TBUCVVS-0001CWC) and applicable support

Out of Support: 6 @ TBUCLIC-PROGFEE & 3 new VVX connections (TBUCVVS-0001CWC)