OpenWay Riva Gas Devices Ordering Guide
Revision 005 July 2019

knowledge to **shape your future**

OpenWay Riva Gas Devices Ordering Guide

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PUB-0117-006
Page 2
Rev. 005

Residential ERT® module: OpenWay Riva 500G Elster American Meter

Order in multiples of 10 (box quantity)

Module	Description	Itron Part Number
	500G ERT Module, Direct Mount	ERG-7000-001 **Factory programmed and secured devices cannot be returned. **Note** Each module comes with one index cover and two tamper seals.

Replacement Parts

Item	Description	Itron Part Number	Notes
	Index Cover	MLD-0200-002	1 cover required per module Covers sold in box quantity of 10
	Tamper Seals	OPT-0002-003	2 seals required per module Seals sold in bag quantity of 20

Accessories

Item	Description	Itron Part Number	Notes
	OpenWay Riva 500G Gas ERT Module Installation Guide, Direct Mount	TDC-1671-00X	

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PUB-0117-006
Page 3
Rev. 005

Residential ERT® module:
OpenWay Riva 500G Sensus (Invensys, Equimeter, Rockwell) 11-Tooth

Order in multiples of 10 (box quantity)

Module	Description	Itron Part Number
	500G ERT Module, Direct Mount	ERG-7000-002 **Factory programmed and secured devices cannot be returned. **Note** Each module comes with one index cover and two tamper seals.

Replacement Parts

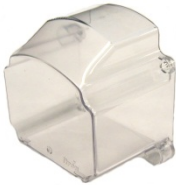| Item	Description	Itron Part Number	Notes
	Index Cover	MLD-0200-006	1 cover required per module Cover sold in box quantity of 10
	Tamper Seals	OPT-0002-003	2 seals required per module Seals sold in bag quantity of 20

Accessories

	Description	Itron Part Number	
	100G Series ERT Module Installation Guide, Direct Mount	TDC-0823-00X	

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PUB-0117-006
Page 4
Rev. 005

Residential ERT® module:
OpenWay Riva 500G Sensus (Invensys, Equimeter, Rockwell) 16-Tooth

Order in multiples of 10 (box quantity)

Module	Description	Itron Part Number
	500G ERT Module, Direct Mount	ERG-7000-003 **Factory programmed and secured devices cannot be returned. **Note** Each module comes with one index cover and two tamper seals.

Replacement Parts

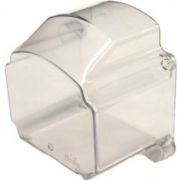| Item	Description	Itron Part Number	Notes
	Index Cover	MLD-0200-006	1 cover required per module Covers sold in box quantity of 10
	Tamper Seals	OPT-0002-003	2 seals required per module Seals sold in bag quantity of 20

Accessories

	OpenWay Riva 500G Gas ERT Module Installation Guide, Direct Mount	TDC-1671-00X	

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PUB-0117-006
Page 5
Rev. 005

Residential ERT® module:
OpenWay Riva 500G Sensus (Invensys, Equimeter, Rockwell) 18-Tooth

Order in multiples of 10 (box quantity)

Module	Description	Itron Part Number
	500G ERT Module, Direct Mount	ERG-7000-004 **Factory programmed and secured devices cannot be returned. **Note** Each module comes with one index cover and two tamper seals.

Replacement Parts

Item	Description	Itron Part Number	Notes
	Index Cover	MLD-0200-006	1 cover required per module Covers sold in box quantity of 10
	Tamper Seals	OPT-0002-003	2 seals required per module Seals sold in bag quantity of 20

Accessories

	Installation Guide, Direct Mount	TDC-1671-00X	

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PUB-0117-006
Page 6
Rev. 005

Residential ERT® module:
OpenWay Riva 500G Itron (Sprague, Schlumberger, Actaris)
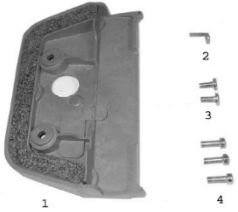
Order in multiples of 10 (box quantity)

Module	Description	Itron Part Number
	500G ERT Module Direct Mount	ERG-7000-005 **Factory programmed and secured devices cannot be returned. **Note** Each module comes with one index cover and two tamper seals.

Replacement Parts

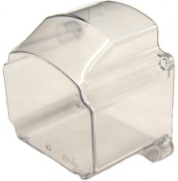| Item	Description	Itron Part Number	Notes
	Index Cover	MLD-0200-014	1 cover required per module Covers sold in box quantity of 10
	Tamper Seals	OPT-0002-003	2 seals required per module Seals sold in bag quantity of 20

Accessories

	Description	Itron Part Number	Notes
	1A Adapter Plate Kit (for flat-faced meters)	CFG-0015-001	One kit required per flat-faced meter Kit includes: Adapter shim plate (1) Index cover mounting screws (4) Drive dog (2) Adapter plate mounting screws (3)
	Installation Guide, Direct Mount	TDC-1671-00X	

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PUB-0117-006
Page 7
Rev. 005

Residential ERT® module:
OpenWay Riva 500G Sprague 175RM

Order in multiples of 10 (box quantity)

Module	Description	Itron Part Number
	500G ERT Module, Direct Mount	ERG-7000-009 **Factory programmed and secured devices cannot be returned. **Note** Each module comes with one index cover, two tamper seals and four mounting screws.

Replacement Parts

Module	Description	Itron Part Number	Notes
	Index Cover	MLD-2400-004	1 cover required per module Covers sold in box quantity of 10
	Tamper Seals	OPT-0002-003	2 seals required per module Seals sold in bag quantity of 20
	Mounting Screws	SCR-0175-002	4 screws required per module Screws sold in bag quantity of 100

Accessories

Module	Description	Itron Part Number	
	Installation Guide, Direct Mount	TDC-1671-00X	

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Page 8
Rev. 005

Residential ERT® module:
OpenWay Riva 500G National (Lancaster)

Order in multiples of 10 (box quantity)

Module	Description	Itron Part Number
	500G ERT Module, Direct Mount	ERG-7000-006 **Factory programmed and secured devices cannot be returned. **Note** Each module comes with one index cover, two tamper seals, four index mounting screws (two styles), and two mounting screws.

Replacement Parts

Item	Description	Itron Part Number	Notes
	Index Cover	MLD-0200-019	1 cover required per module Covers sold in box quantity of 10
	Tamper Seals	OPT-0002-003	2 seals required per module Seals sold in bag quantity of 20
	Index Mounting Screws (for index mounting plate with "legs")	SCR-0017-001	2 screws required per module Screws sold in bag quantity of 22
	Index Mounting Screws (for index back plates with through-holes)	SCR-0037-001	2 screws required per module Screws sold in bag quantity of 22
	Mounting Screws	SCR-0014-004	2 screws required per module Screws sold in bag quantity of 22

Accessories
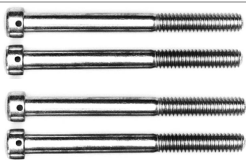
	Installation Guide, Direct Mount	TDC-1671-00X	

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PUB-0117-006
Page 9
Rev. 005

Commercial ERT® module:
OpenWay Riva 500G Elster American Meter

Order in multiples of 5 (box quantity)

Module	Description	Itron Part Number
	500G ERT Module, Direct Mount	ERG-7000-007 **Factory programmed and secured devices cannot be returned. Note: Each box shipment includes CFG-5002-007.

Replacement Parts

Item	Description	Itron Part Number	Notes
	Index cover tamper seals	OPT-0002-005	2 seals required per module Seals sold in bag quantity of 10
	Mounting plate tamper seals	OPT-0004-004	4 seals required per module Seals sold in bag quantity of 20
	Mounting Screws (3.35" length) with tamper holes	SCR-0062-001	4 screws required per module Screws sold in individual quantities
	Internal Tooth Lock Washers (used with metal mounting plate)	WSH-0003-006	4 washers required per module Washers sold in bag quantity of 20

Accessories

	Hardware Kit	CFG-5002-007	One kit accommodates five modules. Kit includes: 20 mounting screws 20 internal tooth washers 20 mounting plate tamper seals 10 index cover tamper seals
	Installation Guide, Direct Mount	TDC-1671-00X	

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PUB-0117-006
Page 10
Rev. 005

Commercial ERT® module:
OpenWay Riva 500G Sensus (Invensys, Equimeter, Rockwell, EMCO)

Order in multiples of 5 (box quantity)

Module	Description	Itron Part Number
	500G ERT Module, Direct Mount	ERG-7000-008 **Factory programmed and secured devices cannot be returned. Note: Each box shipment includes CFG-5002-008.

Replacement Parts

Item	Description	Itron Part Number	Notes
	Index Mounting Screws (2.94" length)	SCR-0062-003	2 screws required per ERT module Screws sold in bag quantity of 10
	Module Mounting Screws with tamper holes (3.63" length)	SCR-0062-002	2 screws required per ERT module Screws sold in bag quantity of 10
	Internal Tooth Lock Washers	WSH-0003-006	4 washers required per module Washers sold in bag quantity of 20
	Steel Flat Washer	WSH-0020-005	2 washers required per module Washers sold in bag quantity of 10
	Cork Flat Washer	WSH-0032-001	2 washers required per module Washers sold in bag quantity of 10

Accessories

	Description	Itron Part Number	Notes
	Hardware Kit	CFG-5002-008	One kit accommodates five modules. Kit includes: 10 Mounting screws 10 Mounting screws 20 Internal tooth washers 10 flat washers 10 cork washers
	Installation Guide, Direct Mount	TDC-1671-00X	

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Page 11
Rev. 005

Remote ERT® module:
OpenWay Riva 500G Datalogging Remote with Encoder Cable
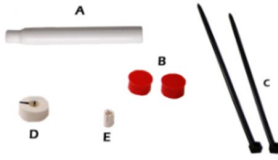
Order in multiples of 20 (box quantity)

Module	Description	Itron Part Number
	500G ERT Module, Remote Mount	ERG-7000-501: 2.5' cable with encoder **Factory programmed and secured devices cannot be returned. *Note: One remote installation kit for encoders, CFG-0081-001, is included for each module. The 013-1723-112 spacing tool is required and must be purchased separately.*

Replacement Parts

Item	Description	Itron Part Number	Notes
	Tamper Seals	OPT-0002-003	2 seals required per module Seals sold in bag quantity of 20

Accessories

Item	Description	Itron Part Number	Notes
	Remote Installation Kit for encoder	CFG-0081-001	One kit accommodates one module. Kit includes: 1 Acetone applicator stick (A) 2 Tamper seals (B) 3 Cable ties (C) **Note** 2 different sizes 1 Magnet hub (D) 1 Magnet hub spacer (E)
	Acetone Applicator Stick	MSC-0020-002	Acetone sticks sold in bag quantity of 10.
	Installation Kit	CFG-0005-003	One kit accommodates one module. Kit includes: 2 Cable ties 2 Tamper plugs 1 Pipe bracket 1 Adapter plate 2 Screws to attach adapter plate to pipe bracket 2 Screws to attach module to adapter plate 2 Band clamps (Note: 2 different sizes)
	Encoder Spacing Tool	013-1723-112	Required for proper placement of encoder to index. Encoder spacing tool may be used for multiple installations. Sold in individual quantities.
	Splice Kit, DBR Tube	OEM-0034-002	Splicing a cable requires this kit; max. cable length should not exceed 300 feet. Minimum order is 10 kits. Kit includes DBR tube, 3 gel connectors (CON-0023-001), and 1 instruction sheet (MAN-0022-001).
	Extension cable	CBA-0067-001	Roll size is 1000 feet. Maximum cable length per module is up to 300 feet including cable extending out of the device. For detailed information on additional cabling to specific module, reference Itron Entity Parameter document, part number TDC-0978-006.
	Installation Guide, Remote Mount	TDC-1678-00X	

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PUB-0117-006
Page 12
Rev. 005

Remote ERT® module:
OpenWay Riva 500G Volume Corrector Remote

Order in multiples of 20 (box quantity)

Module	Description	Itron Part Number
	500G ERT Module, Remote Mount	ERG-7000-502: 5' cable **Factory programmed and secured devices cannot be returned. Customer has the option to receive direct shipments or drop ship modules from Itron to meter or instrument manufacturer. Note: Includes two tamper seals per module.

Replacement Parts

Item	Description	Itron Part Number	Notes
	Tamper Seals	OPT-0002-003	2 seals required per module Seals sold in bag quantity of 20

Accessories

	Description	Itron Part Number	Notes
	Installation Kit	CFG-0005-003	One kit accommodates one module. Kit includes: 2 Cable ties 2 Tamper plugs 1 Pipe bracket 1 Adapter plates 2 Screws to attach adapter plate to pipe bracket 2 Screws to attach module to adapter plate 2 Band clamps (Note: 2 different sizes)
	Splice Kit, DBR Tube	OEM-0034-002	For use with gas remote modules. Splicing a cable requires this kit; max. cable length should not exceed 300 feet. Minimum order is 10 kits. Kit includes DBR tube, three gel connectors (CON-0023-001), and one instruction sheet (MAN-0022-001).
	Extension cable	CBA-0067-001	Roll size is 1000 feet. Maximum cable length per module can be up to 300 feet including cable extending out of the device. For detailed information on additional cabling to specific module, reference Itron Entity Parameter document, part number TDC-0978-006.
	Installation Guide, Remote Mount	TDC-1678-00X	

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PUB-0117-006
Page 13
Rev. 005

Remote ERT® module:
OpenWay Riva 500G Rotary Remote for meters and instruments with factory-installed pulse outputs

Order in multiples of 20 (box quantity)

Module	Description	Itron Part Number
	500G ERT Module, Remote Mount	ERG-7000-503 (with lead wires) **Factory programmed and secured devices cannot be returned.** Customer has the option to receive direct shipments or drop ship modules from Itron to GE Dresser, Sensus, or Romet for connection to new meters. Customer must order ERT-to-meter cable directly from the meter manufacturer. When purchasing modules for GE Dresser meters, the GE Dresser pulser must be version 17 or later to be compatible with the module. Note: Includes two tamper seals per module.

Replacement Parts

Item	Description	Itron Part	Notes
	Tamper seals	OPT-0002-003	2 seals required per module Seals sold in bag quantity of 20

Accessories

	Description	Itron Part	Notes
	Pipe Installation kit	CFG-0005-003	One kit accommodates one module. Kit includes: 2 Cable ties 2 Tamper plugs 1 Pipe bracket 1 Adapter plate 2 Screws to attach adapter plate to pipe bracket 2 Screws to attach module to adapter plate 2 Band clamps (Note 2 different sizes)
	Splice kit, DBR tube	OEM-0034-002	For use with gas remote modules. Splicing a cable requires this kit; max. cable length should not exceed 300 feet. Minimum order is 10 kits. Kit includes DBR tube, 3 gel connectors (CON-0023-001), and one instruction sheet (MAN-0022-001).
	Extension cable	CBA-0067-001	Typical roll size is 1000 feet. Maximum cable length per module can be up to 300 feet including cable extending out of the device. For detailed information on additional cabling to specific module, reference Itron Entity Parameter document, part number TDC-0978-006.
	Installation Guide, Remote Mount	TDC-1678-00X	

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PUB-0117-006
Page 14
Rev. 005

Remote ERT® module:
OpenWay Riva 500G Remote for GE Oil & Gas/Dresser Meters IMC/W2 or MC2, Electronic TC, ETC, or ES3, D800/D1000 Rotary Meter

Order in multiples of 20 (box quantity)

Module	Description	Itron Part Number
	500G ERT Module, Remote Mount	ERG-7000-505 (with lead wires) **Factory programmed and secured devices cannot be returned. Customer has the option to receive direct shipments or drop ship modules from Itron to GE Dresser for connection to new meters or instruments. Customer must order cable directly from the meter or instrument manufacturer. Note: Includes two tamper seals per module.

Replacement Parts

Item	Description	Itron Part Number	Notes
	Tamper Seals	OPT-0002-003	2 seals required per module Seals sold in bag quantity of 20

Accessories

Item	Description	Itron Part Number	Notes
	Installation Kit	CFG-0005-003	One kit accommodates one module. Kit includes: 2 Cable ties 2 Tamper plugs 1 Pipe bracket 1 Adapter plate 2 Screws to attach adapter plate to pipe bracket 2 Screws to attach module to adapter plate 2 Band clamps (Note: 2 different sizes)
	Splice Kit, DBR Tube	OEM-0034-002	For use with gas remote modules. Splicing a cable requires this kit; max. cable length should not exceed 300 feet. Minimum order is 10 kits. Kit includes DBR tube, three gel connectors (CON-0023-001), and one instruction sheet (MAN-0022-001).
	Extension cable	CBA-0067-001	Typical roll size = 1000 feet. Maximum cable length per module can be up to 300 feet including cable extending out of the device. For detailed information on additional cabling to specific module, reference Itron Entity Parameter document, part number TDC-0978-006.
	Installation Guide, Remote Mount	TDC-1678-00X	

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PUB-0117-006
Page 15
Rev. 005

Appendix A: Firmware Functionality				
Part Number	**Global Software Release (GSR) Version**	**FDM Check Endpoint Firmware Version**	**Over-the-Air Firmware Part Number**	**Firmware Functionality**
FMW-7000-006 (direct mount) FMW-7000-506 (remote mount)	4.1	v1.3.15.0	N/A	• Network topology (Star or Mesh) • IPv6 Addressable • 60-minute interval data • 100S Mobile Modes • Firmware download
FMW-7002-008 (direct mount) FMW-7012-008 (remote mount)	4.5	v2.1.14.0	N/A	• GSR 4.1 functionality • 5, 15, 30-minute interval data • High flow alarm • Low battery alarm • Gas Day Take • Local auditing for dial and drive rate
FMW-7002-012 FMW-7012-012	4.5, SP3	v2.2.6	N/A	• GSR 4.1 functionality • 5, 15, 30-minute interval data • High flow alarm • Low battery alarm • Gas Day Take • Local auditing for dial and drive rate
FMW-7004-005 FMW-7014-005	5.0	v4.3.15.0	N/A	• GSR 4.1 functionality • 5, 15, 30-minute interval data • High flow alarm • Low battery alarm • Gas Day Take • Local auditing for dial and drive rate

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PUB-0117-006
Page 16
Rev. 005

Appendix B: Ordering Information

The OpenWay Riva 500G ERT module allows for flexible deployment strategies, giving customers the option to deploy devices in OpenWay Riva Network Mode or legacy Mobile Mode. Devices deployed in Mobile Mode function as 100G DLS ERT modules until they are ready to be read over the OpenWay Riva Network. Taking advantage of a 500G Mobile Mode-first deployment requires a prior knowledge of all future network transition parameters. Operating the 500G in OpenWay Riva Network Mode requires security certificates, ISM files and the manufacturing SSID. Injecting the certificates, files, and SSID into the device requires that the customer's network environment is setup. The network environment information must be provided for manufacturing to inject customer specific certificates and keys at the time of manufacturing. Since injecting security into the endpoints secures them for a specific customer, Itron requires a *First Article* to ensure that the settings are correct for devices ordered with security injected at the time of manufacturing.

If devices are injected with network security credentials, customers who are ready to switch from Mobile to Network Mode can do so via drive by using FCS v4.0.3 or higher. Injecting security into the endpoint is free of charge and saves time in the field, so Itron recommends that all 500G endpoints are ordered with security. Devices deployed in Mobile Mode without security injected at the time they are manufactured require an additional visit to each device making it a costly task.

For customers that want to begin reading over an OpenWay Riva Network at the time of deployment, Itron offers custom programming and security options that allow the customer to deploy 500G modules in OpenWay Riva Network Mode. The custom programming and security options allow the device to automatically join the network when flow is detected. This option is available *only* for meter indexes with an initial read of zero. Field retrofit devices that use existing indexes can be set to join the network at the time of installation. In both scenarios, verify you are ordering modules with factory-injected security.

Determining the configuration that is best for the chosen deployment strategy is very important! Itron is vested in ensuring our customers execute their plan successfully.

Setting/Cert	Description	Secured	Programmed	Secured and Programmed	Build to Stock
		Module has customer specific security information injected at the time of manufacturing. Module will still need to be programmed before use.	Module has been programmed with meter configuration. Will work in mobile mode but will **require a site visit** to inject security before it can join a Network.	Module has security information injected and meter configuration is pre-programmed (zero read only). Can be deployed in mobile or network mode depending on FDM snapshot file parameters	Module has factory default settings. Will need program before deployment. Before the unit can be read by the network it will **require a site visit** to inject security before it can join a Network.
Utility Public Key (from ISM)	Required to inject customer specific keys in module in manufacturing	Required	No	Required	No
Shared Key file (from Itron Security Manager)	Required to inject customer specific keys in module in manufacturing	Required	No	Required	No
AAA Cert (from Network Policy Server)	Required for network authentication	Required	No	Required	No
IoT FND ECC Key Cert (from Cisco Field Network Director)	Required to authenticate commands to the Cisco Field Network Director	Required	No	Required	No
SSID (Number assigned by Itron)	Required to find correct network	Required	No	Required	No
FDM Snapshot/password (from Field Deployment Manager)	Used to program in the meter configuration	No	Required	Required	No
OWOC CM Config (From Collection Manager)	Used to set items configurable by Collection Manager	No	Optional	Optional	No

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PUB-0117-006
Page 17
Rev. 005

Creating a New Order Specification

1. Go to https://access.itron.com and sign in.
2. Click **Orders**.
3. In the left panel, click **Product Specification Requests**.
4. Click **New.**
5. Select OpenWay_Riva_500G_ERT_Module from the drop-down list.
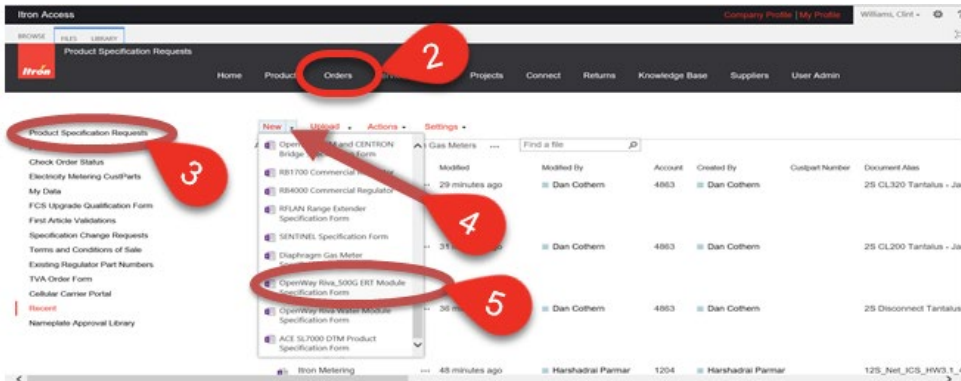
Completing the Form

These instructions are provided as a help to complete the form.

Contact information

1. **Account**: Select your account information from the drop-down list. This is the account name that will have access to this form throughout and after the ordering process. If you are a distributor and you'd like this form available to a customer's Itron Access account, use that account name here. If you do not have an account, contact Itron Support.

2. **Document Name Alias** *(Optional)*. Enter a document name or description that will appear on Itron Access. A document name makes the form easer to search in Itron Access.

3. **Special Requirements** *(Optional)*. List any special requirements to be forwarded to the spec writer. Include any special instructions for your custom part number.

4. Click **Next**.

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PUB-0117-006
Page 18
Rev. 005

Configuration Information

1. **Managed Services.** Select **Yes** or **No** to indicate whether files should be delivered to the Managed Services group. If you do not have an Itron Managed and maintained account, select **No**.

2. **500G Type**. select **Direct Mount** or **Remote Mount** to determine your hardware options.

   - Select your module from the populated list.

3. **Firmware**. Select your firmware version. See Appendix A: Firmware Functionality for firmware information.

4. **Region for Radio Specifications**. Select your region for radio specifications. (This sets the legally required radio parameters for the selected region.)

5. **Custom Programming (FDM)**. Select **Yes** or **No**. Custom Programming provides configuration of the number of dials, drive rate, and other parameters with an FDM Snapshot. Custom Programming does not refer to security settings. For information about creating an FDM Snapshot, see the *FDM Server Client Guide* (TDC-0937), Chapter 9.

   - Attach the FDM snapshot in .xml format.

   - Type in your FDM Snapshot File Password.

6. **Provide Your Own OWOC CM File.** Select **Yes** or **No**. If Yes, upload the relevant file in a .zip format. An OWOC CM file is used to set interval minutes and time adjustment tolerances. If you select No, factory defaults (60 for interval minutes and 5 minutes for time adjustment) will be used.

7. **Already Have SKG ID.** Select **Yes** or **No**.

   - Yes. Enter your SKG ID to use the settings that you previously set up.

     - Enter the SSID and upload the relevant key files. For more information about exporting files, see *Exporting the Utility CA, Utility WiFi CA, and NMS x509 Certificates* (TDC-1763).

       1. Upload your Utility Public Key file in .upk format.

       2. Upload your ISM Shared Key file in .xml format.

       3. Upload your AAA Certificate file in .txt format.

       4. Upload your IoT FND ECC Key Certificate file in .txt format.

   - No. Select whether you want the security keys injected by Itron.

     - If you do not inject security keys at this time, it will require a future site visit to move to OpenWay Riva Network Mode.

8. **Will Endpoints Be Deployed in 100S Mobile Mode**? Select **Yes** or **No**. The response to this question determines settings within the shipping files. This information is passed onto applications when the file is imported.

9. **Special Requirements**. Enter any special requirements or notes for this order.

10. Click **Next**.

11. **Note:** You have the option to click **Back**, **Save and Close**, **Save and Continue**, or **Next**. Back allows you to make changes in the previous screens. Save and Close allows you to return and complete the form later. Save and Continue saves the form and continues the process. Next continues the ordering process without saving your changes.

    If you have any incorrect file formats or other errors, you cannot access the next screen. See any notes at bottom of the screen for an explanation of errors.

Product: OpenWay® Riva 500G ERT Module

Configuration Information 1 **2** 3 4

Managed Services	☑ Yes	○ No
500G Type	○ Remote Mount	○ Direct Mount
Firmware	○ FMW-7002-012 (v2.2.6.0)	
Region for Radio Specifications	Select ▼	
Custom Programming (FDM)	○ Yes	○ No
Provide Your Own OWOC CM File	○ Yes	○ No
Already Have SKG Key ID	○ Yes	○ No
Security Keys Injected by Itron	○ Yes	○ No
SSID		
Utility Public Keys File	🔗 Click here to attach a file	
ISM Shared Key File	🔗 Click here to attach a file	
AAA Certificate Note: Save as .txt file before attaching.	🔗 Click here to attach a file	
IOT FND ECC Key Certificate Note: Save as .txt file before attaching.	🔗 Click here to attach a file	
Will Endpoints Be Deployed in 100S Mobile Mode?	○ Yes	○ No

Special Requirements

[BACK] [SAVE AND CLOSE] [SAVE AND CONTINUE] [NEXT]   1 **2** 3 4

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PUB-0117-006
Page 20
Rev. 005

File Delivery Information

1. **First Article Validator Email**. Enter the address of the person that will be responsible for checking the first article units. For more information, see Appendix C: Completing the First Article Form.

2. **File delivery methods**. This is how Itron will deliver each shipment's shipping and security files.

3. Click **Next**.

Review

1. Review the displayed information.

2. Correct any errors and click **Submit**.

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PUB-0117-006
Page 21
Rev. 005

Appendix C: Completing the First Article Form

1. Go to Itron Access: https://access.itron.com/Pages/home.aspx
2. Click **Orders**.
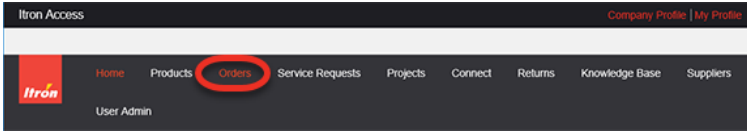
3. On the sidebar, select **First Article Validations**.
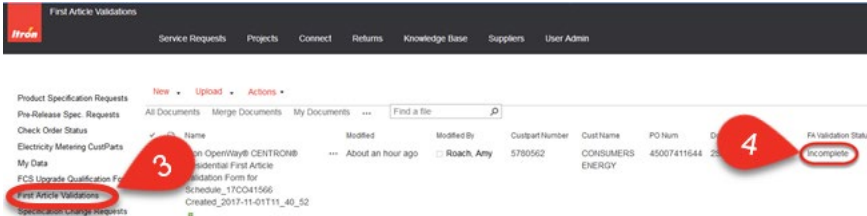
4. Select the appropriate pending or incomplete form.

   After the appropriate First Article Validation form opens, validate the following parameters.

   i. **Box Label**. Inspect the label and select **Approve/Reject** to verify that the box label meets requirements.

   ii. Inspect and confirm the endpoint meets the expected functionality.
      a) **Joins the Network**. Select **Approve/Reject** to verify communications between the Cisco Field Network Direct and OpenWay Operations Center.
      b) **Zero Touch Deployment**. Select **Approve/Reject** to verify the 500G jointed the network after 3 index dials were detected within an hour.
      c) **Switched to OpenWay Riva Network Mode with FCS**. Select **Approve/Reject** to verify the 500G switched to OpenWay Riva Network Mode using FCS (not FDM).
      d) **Programmed Properly**. Select **Approve/Reject** to confirm that a Check Endpoint command verified the drive rate, roll over, and pressure compensation in the 500G were correctly programmed.

   Note: Provide notes for any rejected parameters so the issue can be corrected and new first article modules can be manufactured to meet the specifications.

5. Complete the form by confirming any additional information (**Yes/No**).
6. Click **Agree**.
7. Click **Submit**.

   Important: After you click **Submit**, you can no longer edit this form.

Itron Specification Form

OpenWay® Riva 500G ERT Module First Article Validation

Validation Status: Incomplete

Box Label	This section pertains to the packaging of the modules. Please inspect the box label and confirm the custom programming label has expected information.
Box Label meets requirements:	◉ Approve ○ Reject

Endpoint Functionality	This section pertains to the functionality of the modules. Please inspect and confirm the functionality is as specified.

Joins the network: ○ Approve ○ Reject
Communicate between Cisco Field Network Director and OpenWay Operation Center.

Zero Touch Deployment: ○ Approve ○ Reject
Unit joined after 3 counts were added within one hour (Gas or Water Pulser).

Switched to network mode with FCS: ○ Approve ○ Reject
Do not use FDM to move endpoints to Network Mode.
If not able to use FCS to switch to Network Mode use the Zero Touch Deployment.

Programmed Properly: ○ Approve ○ Reject
Using FDM confirm: drive rate, roll over and pressure compensation are programmed correctly with a check ERT command

File Delivery

Received required files for shipment: ○ Approve ○ Reject
Security key, advanced shipping, network files via email, SFTP, etc.

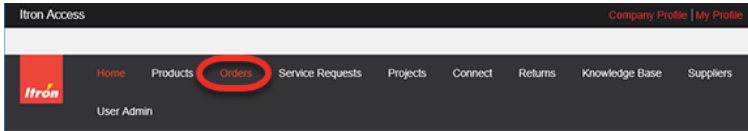**Do you have your own First Article information to provide?** ○ Yes ○ No

By checking "Agree" below and then clicking "SUBMIT" at the bottom of this page, I hereby agree, acknowledge, and certify that: I have read and fully understand the confirmations and questions contained herein; the information provided above by me on behalf of Customer is true, accurate, and complete; and I am an authorized representative of Customer with the necessary power and authority to provide the required validation information and electronically submit this legally binding document.

Agree ☐

◄ BACK **SAVE AND CLOSE**

SUBMIT ►

NOTE: SUBMIT saves this form in 'Rejected' or 'Approved' status and alerts Itron that this validation form is ready to be processed. You will no longer be able to edit this form once it has been Submitted.

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PUB-0117-006
Page 23
Rev. 005

Appendix D: Completing a Specification Change Request

1. Go to Itron Access: https://access.itron.com/Pages/home.aspx
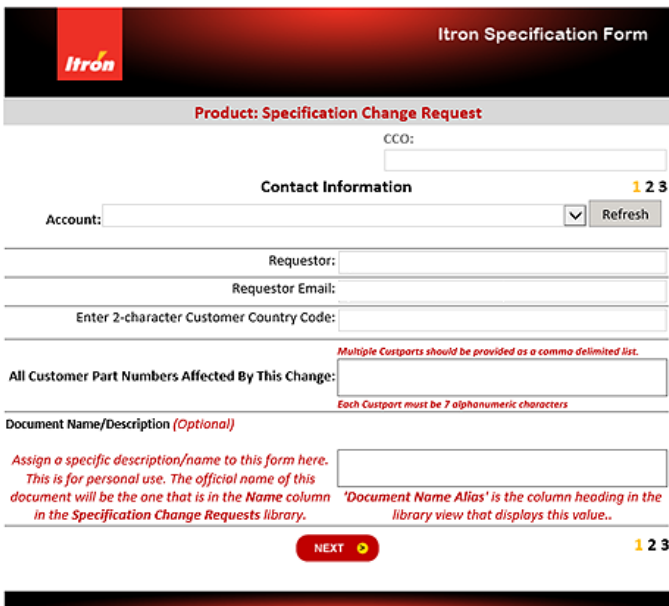2. Click **Orders**.

3. In the sidebar, select **Specification Change Requests.**
4. Select **New** to begin the change request form.
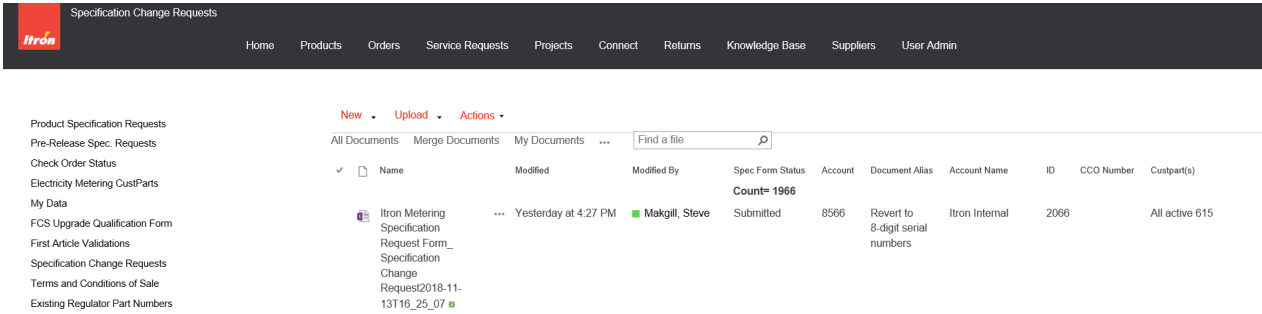
Contact information

1. **Account**: Select your account information from the drop-down list. This is the account name that will have access to this form throughout and after the ordering process. If you are a distributor and you'd like this form available to a customer's Itron Access account, use that account name here. If you do not have an account, contact Itron Support.

2. **Enter 2-Character Country Code** Enter the appropriate Country Code for your location. Example: United States has a 2-Character Country Code of US. If you do not know your Country Code a quick Google search of '2-Character Country Codes' will list the appropriate codes.

3. **All Customer Part Numbers Affected By This Change:** Enter your 7 alphanumeric custom part number that you are wanting to change. If making multiple changes, use commas to separate out the different part numbers.

4. **Document Name/Description** *(Optional)*. Enter a document name or description that will appear on Itron Access. A document name makes the form easer to search in Itron Access.

5. Click **Next**.

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PUB-0117-006
Page 24
Rev. 005

Change Specifications

1. **Configuration File** Select **No,** as this option doesn't pertain to gas modules.
2. **Additional File(s)** Select **Yes** or **No**. If Yes, upload the relevant file in a .zip format.
3. **NAMEPLATE** Select **No,** as this option doesn't pertain to gas modules.
4. **Customer Serial Numbers** Select **No,** as this option doesn't pertain to gas modules.
5. **Provide Description of Change:** Enter in the change you are trying to make to your part number(s). This will give Itron insight to your end goals, and provide enough information to help achieve those goals
6. **Provide Reason for Change:** Enter why you are wanting to make this change.
7. Click **Next.**

Review

1. Review the information entered in previous sections.

2. Correct any errors and click **Submit**.