

FairPoint/Wisor Exchange Link Connectivity Guide

FairPoint/Wisor System Documentation

FairPoint/Wisor-Connectivity Guide

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Target audience: FairPoint/Wisor Application End Users

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FairPoint/Wisor Exchange Link Connectivity Guide

1.1 Introduction

This document provides assistance to the FairPoint Wholesale Customers in choosing connectivity options based on the transaction type. This document also provides information on the connectivity process.

1.1.1 In order to gain access to Wisor, the Wholesale Customer must be assigned a user ID and Password. To obtain a User ID and Password, complete the Virtual Front Office (VFO) Access form (located immediately after this document on the website) and send it to fairpointcmp@fairpoint.com

1.2 Supported Transaction Types

The following transaction types are supported:

- Local Preorder transactions (based on LSOG).
- Local Order transactions (based on LSOG).
- ASR Preorder transactions (based on ASOG).
- ASR Order transactions (based on ASOG).
- Trouble Administration transactions for POTS, designed and non-designed circuits.

1.3 Connectivity Options

Two modes of connectivity options are supported: Wholesale Customer

1. Business-to-business (B-B) electronic transport.
2. Online end user interface – Virtual Front Office (VFO).

In B-B electronic transfer Wholesale Customers can use their front end and electronic exchange data with FairPoint/Wisor Exchange Link Service Bureau using industry supported transport protocols. FairPoint/Wisor Exchange Link also provide online web based front office interface, which provides Wholesale Customers the ability to send and receive transactions mentioned in section 1.2.

1.3.1 Business-to-Business Electronic Transport

For business-to-business electronic transport the following connectivity options are supported:

- Dedicated Line TCP/IP connection (T1 or Ethernet)
- VPN over internet
- SOAP/HTTPS over internet (conditions apply)

1.3.1.1 Dedicated Line TCP/IP connection

A Dedicated Line TCP/IP connection can use either a T1 or dedicated Ethernet from the Wholesale Customer facility to Wisor Exchange Link data center. Wisor data center personnel will install and maintain equipment in the Wisor data center at the Wholesale Customer's cost. The Wholesale Customer is responsible for ordering the dedicated line and paying for all installation and monthly charges. Dedicated facilities are Wholesale Customer specific and the needs vary depending on the distance between the two facilities, desired connection speeds, and other network parameters. Wisor recommends the utilization of the same equipment Wisor uses to prevent compatibility issues.

T1 lines support speed from 56kbs to 1.5mps. There is a one-time fee of \$2,000 for equipment/ labor/cross-connect charges. Wholesale Customers should contact the OSS manager for additional information and related connectivity documents.

Wholesale Customers can provide a dedicated ethernet drop. There is a one-time fee of \$1,000, for equipment/labor/cross-connect charges. Wholesale Customers should contact the OSS manager for additional information and related connectivity documents.

1.3.1.2 VPN Over Internet Connection

Wisor Exchange Link facilitates establishing a VPN tunnel between the Wholesale Customer facility and Wisor Exchange Link data center. Wisor Exchange Link data center uses a Checkpoint Firewall/VPN 1. It is the Wholesale Customer's responsibility to set up and maintain an Internet connection and VPN server on the Wholesale Customer's side. There is no additional cost involved with the VPN over the Internet connectivity. Wholesale Customers should contact the OSS manager for additional information and related connectivity documents.

1.3.1.3 SOAP/HTTPS over Internet

Wholesale Customers can send and receive transactions over the Internet using SOAP/HTTPS. Not all the transaction types listed in 1.2, are supported in this interface. Wisor supports one way/two way SSL. Wisor Exchange Link bureau uses Verisign 128-bit digital certificate that will be provided to the Wholesale Customer customers. Wholesale Customers will provide a digital certificate obtained by a recognized certificate authority. There is no additional cost involved with SOAP/HTTPS over the internet connectivity. Wholesale Customers should contact the OSS manager for additional information and related connectivity documents.

Note: Digital Certificates are required for Electronic Transport SOAP/HTTPS only.

1.3.2 Online End-User Interface – Virtual Front Office (VFO)

Virtual Front Office (VFO) is an online application provided by Wisor data center that allows Wholesale Customers to send and receive transactions (as indicated in section 1.2) using a web browser.

VFO is accessible via the Internet using HTTPS. The Wholesale Customer must have access to the Internet. It is the Wholesale Customer's responsibility to set up and maintain an Internet connection. VFO supports Internet Explorer 6.0 and above. Internet Explorer must be configured to allow cookies. Wholesale Customers will be provided with an ADMIN Account to manage users and user groups. Wholesale Customers should contact the OSS manager for additional information and related connectivity documents.

1.4 Connectivity Options – for each Transaction Types

1.4.1 Local Order and Preorder Transactions

Wholesale Customers can send and receive Local Service Request (LSR) transactions (order and preorder) using Virtual Front Office – online GUI or EDI (version 4050) message type via Interactive Agent (Issue 2 or Issue 3) transport protocol (for business-to-business).

Virtual Front Office – online GUI access is over a dedicated (TCP/IP) connection or VPN over internet or HTTPS over Internet.

Interactive Agent (IA) is a protocol based on TCIF-98-006 Issue 2, Revision 1/ TCIF-98-006 Issue 3, Revision 2 Interactive Agent Functional Specification. Basic EDI message format for establishing secure direct socket connections between machines using digital certificates for authentication. IA runs on top of SSL3, which provides the basic authentication and encryption services. IA supports the exchange of EDI transactions between trading partners.

IA transport is available through a dedicated (TCP/IP) connection or VPN over the internet.

1.4.2 Access Order and Preorder transactions

Wholesale Customers can send and receive Access Service Request (ASR) transactions (order and preorder) using Virtual Front Office – online GUI or MECH SPEC/DLR message type via Connect: Direct Wholesale Customer (only for ORDER transaction; for business-to-business) or UOM XML via tML (SOAP/HTTPS) Web Service (for business-to-business).

Virtual Front Office – online GUI access is over a dedicated (TCP/IP) connection or VPN over internet or HTTPS over internet.

Connect: Direct transport is available over a dedicated (TCP/IP) connection or VPN over internet. Note only ASR order transactions can be submitted using this protocol.

tML (SOAP/HTTPS) Web Service transport is available over a dedicated (TCP/IP) connection or VPN over the internet or just over the internet using secured access (SSL3). tML specification documents can be purchased by Wholesale Customers from ATIS.

1.4.3 Trouble Administration Transactions

Wholesale Customers can send and receive trouble administration request transactions using Virtual Front Office – online GUI or UOM XML via tML (SOAP/HTTPS) Web Service (for business-to-business).

Virtual Front Office – online GUI access is a dedicated (TCP/IP) connection or VPN over the Internet or HTTPS over the Internet.

tML (SOAP/HTTPS) Web Service transport is available over a dedicated (TCP/IP) connection or VPN over the internet or just over the internet using secured access (SSL3). tML specification documents can be purchased by Wholesale Customers from ATIS.