SPIRENT TECH-X FLEX

FIELD MANAGEMENT SYSTEM

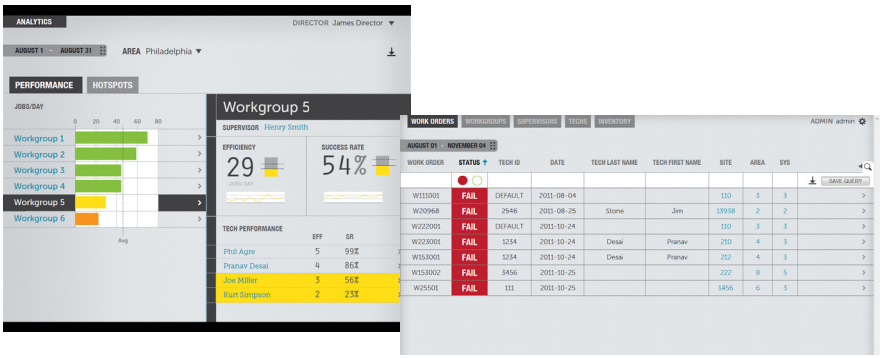
A **single** application providing seamless integration between the Tech-X Flex®, field technicians and operations management.

FEATURES AND BENEFITS

- HTML5-based modular architecture allows deploying a non-proprietary solution best suited to your needs
- Inventory Manager—maintains status for the deployed inventory, firmware, repair and calibration activity
- Custom Test Results—creates reports by site, region, technician etc.
- Easy to learn GUI—easy to search, save and export results all from one location
- Test Reports Manager with historical test results and trend tracking enables assessment of worker productivity as well as cable plant health
- OTA downloads allows loading firmware, channel plans, thresholds etc., using either Wi-Fi, 10/100 or DOCSIS connections

The Field Management System (FMS) is an open standards-based management system for the Tech-X Flex product line. It integrates Test Reports Management, Inventory Management, Fault Analysis and Trend reporting in an easy-to-use modular platform. Trend reporting helps to identify and resolve problems quickly. This saves costly truck rolls and enhances the customer's Quality of Experience.

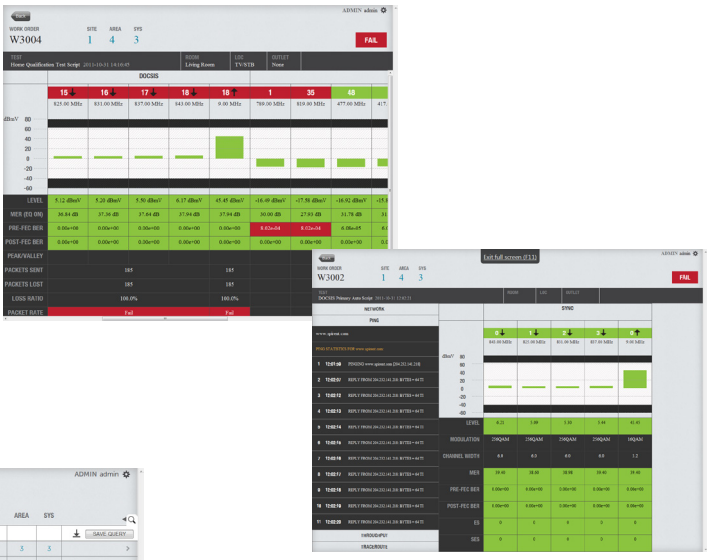
Due to its open implementation and XML-based roots, the FMS can be implemented on any hardware server. It supports multiple role-based profiles for field technicians and supervisors with each profile being customized according to the needs of the user.



It features a HTML5-based interface which can be accessed using your favorite PC or mobile-based browser. This ensures productivity—even for the field technician on the move—and lessens his reliance on a laptop for viewing test results, work orders, etc. In addition it features a single screen workspace which allows sorting, searching and exporting reports based on test results/inventory which makes a smooth learning curve.

TEST RESULTS MANAGEMENT

FMS features test results management from a single screen. The Home Qualification test ensures standardization of results being uploaded by field technicians. A single workspace allows the user to sort and search and compile reports based on test results from the same screen. This easy-to-use nature of the FMS ensures a really smooth and gradual learning curve for everyone.



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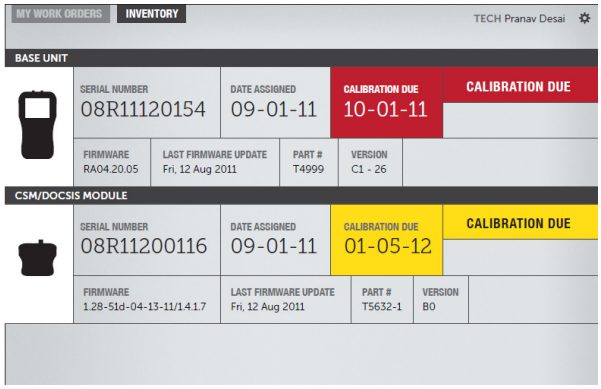
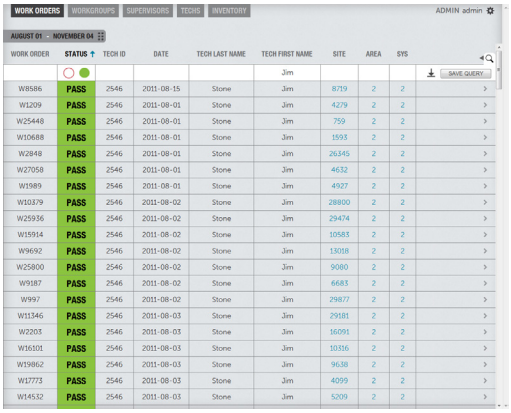
INVENTORY MANAGEMENT

Tracking Inventory items and keeping a record of its users, version of firmware they are running, calibration, and repair is a time-consuming, yet, critical process. The Inventory Management function in the FMS lets you keep track of your inventory base as well as track licenses, firmware versions, repair and calibration cycles.



REPORTING

The FMS allows users to create reports based on their custom-defined criteria. Reports could be created as shown in the example below based on Site Performance, Technician Performance, Passed results in a date range, as well as several combinations of the above. Reports could further be exported to a CSV file or exported in a PDF format for additional data mining.



OVER-THE-AIR (OTA) DOWNLOADS

The OTA downloads feature allows the field technician to download firmware, channel plans and threshold files—even while on the move. With support for Wi-Fi, Ethernet and DOCSIS as well as a notification mechanism—this feature ensures connectivity to the latest version of any file type required in the field. This feature also allows an admin/supervisor/qualified technician to edit channel plans and threshold files—and have the ability to set the latest version of firmware required for testing.

OPEN ARCHITECTURE

The FMS features an open standards-based architecture. The GUI is HTML5 compliant which ensures compatibility with PC-based browsers as well as browsers like those found on tablets and mobile phones.

A Linux server with a MySQL database and open architecture allow you to extend and deploy the FMS based on your requirements. Openness also ensures you can export XML-based results to a system of your choice or integrate the FMS with the Operational Support/Billing system of your choice.

ORDERING INFORMATION

PRODUCT NUMBER	PRODUCT NAME	DESCRIPTION
T5000-7610—Base	Results Server Database	Results Server Database provides a repository for field test results
T5000-7610—Tech	Tech-X Flex Results DB License per Technology (i.e., Copper, DSL, DOCSIS)	Per Technology Server License
T5000-7610—Unit	Tech-X Flex Results DB License Per Test Set	Per user Server License
T5000-7610—Dash	Tech-X Flex Reporting Dashboard	Dashboard which provides reporting, trends and results management framework GUI

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