

Product Supplement for Field Apps

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Introduction

Field Measurement Applications are enterprise applications used to manage gas and liquid meter inspection and calibration results. The Field Measurement Applications consist of five available offerings: TESTit, PROVEit, PYCit, ANALYZEit, and CALCit.

Software License Options and Metrics

This document defines the Standard Functionality with applicable license metrics that are available for Customer's access under mutually agreed Field Measurement Applications SaaS and/or Self-Hosted (where made available) Subscription Order(s). Such Order(s) shall specify the selected Add-On(s) and authorized license metric quantity.

Vendor may update or revise this Product Supplement from time to time. Updates will be made available within this document including the date of change as well as the changes made. New versions will be effective immediately upon addition to this document, except for any ongoing annual or committed Subscription Term, for which the previous version will apply until the end of such ongoing term, subject to the terms of the Agreement and Order. Customer should review the Product Supplement prior to using the Software to stay informed about the applicable license metrics. Capitalized terms are defined herein, in the Order, or the Agreement for the purchase of the Subscription(s).

Metric Definitions

- **Named Users:** The criteria for where specific individuals are identified by the Customer, limiting access to those named user accounts.
- **Meter Count:** the point where hydrocarbons and other products are measured and the measurement affects the calculation, accumulation, and/or inventory of volume and mass. A meter can have many purposes, including but not limited to production volumes across one or more wells, custody transfer, allocations, etc.
- **Field Application Servers:** the centralized hub for all meters requiring scheduling of field tasks, assignment to technicians and consolidation of remote field activities
- **Field Laptop Application:** a software application for single user installations of field applications meant primarily for remote data collection. The Field Laptop Application is often integrated with a server counterpart providing a hub and spoke approach to managing field-related tasks for gas and liquid hydrocarbon measurement.
- **Licensed Operation:** a physical facility or infrastructure (ultimately as determined by Vendor in case of uncertainties) where there is a need to consolidate, validate, correct, balance, and/or report gas and liquid measurement data, and which is identified as (or as part of) the Licensed Operation in the Order.

Description of Field Measurement Applications Standard Functionality

Field Measurement Application Standard Functionality

The Field Measurement Applications Standard Functionality is the foundation of the software and has applications across the entire hydrocarbon value chain that includes Exploration and Production, Midstream, and Distribution segments. The features in the Standard Functionality focus on gas and liquid measurement and includes the following:

Measurement Field Applications

- **CALCit:** functionality for the User to perform spot calculations for gas volume, plate size, liquid correction factors, speed of sound, and more. CALCit assists in equipment sizing and validation of other systems with the ability to view, save, and print the results of multiple calculations based on different input values.
- **PROVEit:** is a comprehensive and integrated software package used to prove, track, and manage liquids meter performance data based on the American Petroleum Institute's (API's) Chapter 12.2. Its features include (i) a stand-alone or networked database which utilizes the latest API and Gas Processors Association (GPA) algorithms to calculate meter factors for liquid measurement, and (ii) PYCit, an additional functionality included with PROVEit for Users to conduct Density Meter Proving and save those results in a database for reporting and exchanging that data with other PYCit users and FLOWCAL.

- **TESTit:** functionality for advanced progression of automation tools that manage gas and liquid meter inspection and calibration results, manage testing and sample schedules, and conduct field calculations for flow rate.

TESTit is a prerequisite for the Add-On(s) listed below:

- **ANALYZEit:** functionality for comprehensive validations, calculations, and reporting of gas chromatograph analyses. Validations include min and max limits, radical changes of components and properties, and standard deviation from historic data. ANALYZEit features calculates analysis properties such as relative density, heating value, and liquefiable content (GPMs) at ideal and real conditions, and at configurable pressure bases. HCDP phase envelopes and liquid dropout warnings are also produced.

Infrastructure Enhancements

- **Secure Gateway:** functionality for Customers with hosted subscriptions to securely access Field Application databases via VPN. Customers can run third-party applications to query data from measurement databases.
- **TESTit/PROVEit Integration:** Enables the management of gas and liquid meter calibration/proving activities from a single application. For the proving technician, additional capabilities are available such as scheduling, form configuration, custom forms and transmitter inspections.
- **Extra Field Apps Environment:** option for customers to have additional environments beyond the included production and test environments. Customers may have a variety of different scenarios requiring this option for non-production environments. Note – customers with a need to segregate data within one database would be a candidate for the multi-system extension. Customers with a desire to totally separate different assets by environment would be a candidate for a new overall Field Apps system.

General Field Measurement Application Licensing Terms

The Field Measurement Application Software is licensed according to the licensing scheme described in the Agreement and the Order (including this Product Supplement).

Subject to the terms of the Order, a Field Application Software Subscription entitles Customer to receive access to the Standard Functionality identified in the Order for the term of the Order in connection with and for the benefit of the Licensed Operation(s) operated by Customer as defined in the Order. The Standard Functionality are licensed under a scheme where the Named Users, Meter Points and subsequent Add-Ons of the Customer's Licensed Operation(s) are used to determine the annual Subscription Fee.

The Standard Functionality, selected Add-On(s), Licensed Operation, and the applicable initial Named Users, Meter Points are identified in the Order together with any special terms agreed between the Parties.

Changes to Named Users and/or Meter Points

Renewal Terms: Prior to each renewal term, Vendor will review Customer's actual Meter Points and Named Users in the Software for the previous twelve (12) calendar months ("Actual Meter Points") to determine the Fees for the next renewal term. If Customer's Actual Meter Points on each day in such period are less than the licensed Meter Points, the applicable annual price adjustment (in accordance with the terms of the Agreement and Order) will be applied for the renewal term. If Customer's Actual Meter Points on any day exceeds the licensed Meter Points, the applicable Fees for the renewal term shall be calculated based on the Actual Meter Points using the Vendor's then-current pricing formula.

Exceeding Licensed Meter Points: The Licensed Materials may be used to manage no more than the Meter Points level specified in the Order. Customer will be charged for additional Meter Points that exceeds the licensed quantity, at Vendor's then-current pricing in effect at the time the additional Meter Points are added.

Increasing Meter Points During a Subscription Term: Customer may increase the licensed Meter Points during an ongoing Subscription Term upon request and subject to (i) payment of an increase in Subscription Fees, calculated

at Vendor's then-current rates at the time of the increase and (ii) execution of an amendment to the Order and/or new Order confirming the increased Meter Points level and agreed Fees. When increasing the licensed Meter Points level during an ongoing Subscription Term, additional Subscription Fees will apply as of the date set forth in the applicable amendment to the Order and remain in effect through the remainder of the ongoing Subscription Term and will be invoiced in full the month after setting the higher Meter Points level. Thereafter, the applicable Subscription Fee(s) will be invoiced annually with the other Subscription Fees.

No Decreases to Meter Points During a Subscription Term: Customer may not decrease the licensed Meter Points during any ongoing Subscription Term.

Delivery of the Software: The Software Subscription(s) will be delivered to the Customer on or before the License start date specified in the Order. Delivery shall be deemed to occur upon the Software being made available to the Customer, including but not limited to the physical delivery of media, provision of a download link, provision of login credentials, the issuance of license keys or any other means by which the Software is made available to the Customer. If access to the Software includes access to Module(s) or Add-On(s) of the product suite for which Customer has not procured a Subscription, Customer is not entitled to extend the use of the Software to such additional Module(s) or Add-On(s) without procurement of additional Subscription(s). Any hardware and software needed for the Customer to access the Software shall be at the Customer's responsibility to acquire, install, and maintain.

An Order for the relevant Software Subscription must be in place before starting any design, configuration, and/or implementation activities in the Software.

Change Log

Date of Change	Details of changes
April 05, 2024	Initial Release
October 24, 2024	Delivery of Software Update