Honeywell

Solution Note

Uniformance® Asset Sentinel
Meter and Measurement Reporting Solution

Honeywell's Uniformance® Asset Sentinel delivers a Meter and Measurement Reporting Solution providing the system of record for meter provings, prover certifications, test equipment certifications, transmitter verification and calibrations. The solution provides visibility, tracking, and compliance reporting on your critical meters, provers, transmitters and test equipment.

Pipeline meters are the "cash register" for oil and gas businesses and the scheduling, tracking, and reporting on meter proving, prover certification, transmitter verification, and test equipment certification is required to meet rigorous API standards for custody transfer of products between companies. Many companies rely on spreadsheets and manual processes for these vital business functions.

Honeywell's Meter and Measurement Reporting solution is being deployed by leading companies to automate the manual processes. The solution uses advanced logic to determine meter proving schedules based API guidelines.

The solution can cost effectively and proactively track:

- Meters current with their proving
- Provers and Test Equipment current with their certifications
- Transmitters current with their verification and calibrations

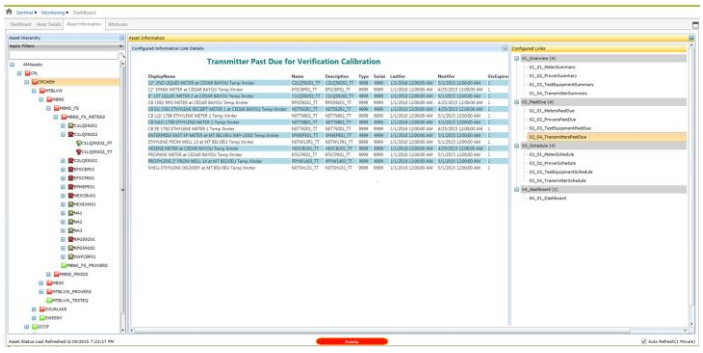

Figure 1: Transmitter Past Due for Verification.

Benefits include:

- Preventing unplanned shutdown due to meter proving issues and meter failures,
- Tracking audit records to demonstrate compliance,
- Reduce time to meet audit requirements, and
- Reduce penalties and charges for failed audits

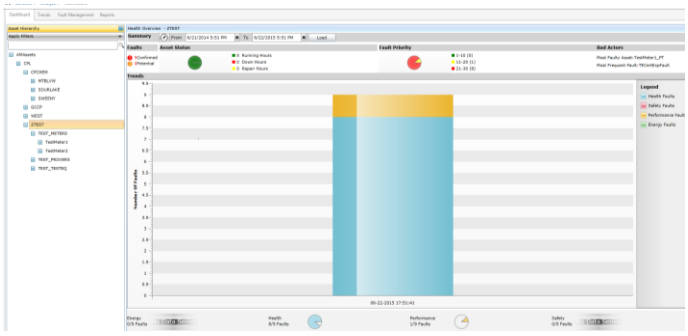

Figure 2: Prover Summary

Key Capabilities

The Asset Sentinel solution collects data for meter, prover, transmitter and test equipment and provides:

- Single point for enterprise visibility and near real-time of monitoring of data from meters
- Scheduling of provings based on defined criteria
- Automated system to store all proving data in one standardized format

- Summarize and report on the proving, certification, verification in the current month.
- Ability to quickly summarize the status of all meters, provers, transmitters, test equipment for a selected node.
- Generate and publish Measurement reports as defined by the business
- Readily available proving data for search and analysis by Measurement Specialist, analyst and management
- Ability to quickly respond to audits
- Seamless integration between applications from multiple metering vendors, applications, and hardware
- Reporting and review or historical production performance
- Configurable and scalable

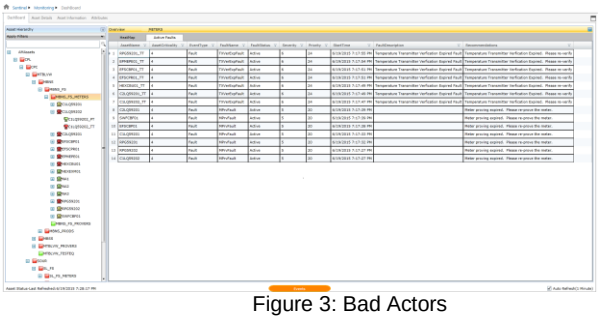

Figure 3: Bad Actors

Alerting Capability Included:

The system includes powerful and flexible alerting capability to provide immediate notification via e-mail or other event notification mechanisms of the following:

- Flow exceeding configured amount
- Meter proving not done on time
- Transmitter verification or calibration not done on time
- Product code change
- Meter factor changed by configured amount alert
- Missing verification document
- Meter factor in same direction

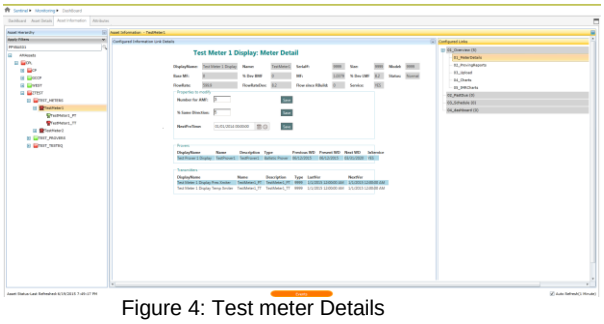

Figure 4: Test meter Details

Summary

Honeywell's Asset Sentinel is a powerful, scalable solution for monitoring and maintaining critical industrial assets including pipeline meters.

In addition to Meter and Measurement Reporting, Asset Sentinel is also able to address all aspects of equipment health monitoring and asset management. It provides an integrated environment where users can view and assess different types and classes of assets across the enterprise. It's a powerful tool to calculate and monitor equipment efficiency and reliability, and ensure a low cost-of-ownership throughout the asset lifecycle.

For More Information
Learn more about how Honeywell's Uniformance® Asset Sentinel can improve the performance of your operations, visit our website www.honeywellprocess.com/software or contact your Honeywell account manager.

Honeywell Process Solutions
Honeywell
1250 West Sam Houston Parkway South
Houston, TX 77042

Honeywell House, Arlington Business Park
Bracknell, Berkshire, England RG12 1EB UK

Shanghai City Centre, 100 Zunyi Road
Shanghai, China 200051

www.honeywellprocess.com

SO-15-13-ENG
July 2015
© 2015 Honeywell International Inc.

Honeywell