

Emerging Instrumentation Technologies

- **Wireless Sensor Networks (WSN)**
 - Interoperability, Security, Battery Life
- **Industrial Ethernet (IE)**
 - Interoperability, Network Separation, Protocols
- **Internet of Things (IoT)**
 - Cloud Based Software as a Service (SaaS), Application Programming Interfaces (API)
- **Business Intelligence (BI) and Artificial Intelligence (AI)**
 - Data Visualization, Predictive Analysis, Big Data Mining, Reporting

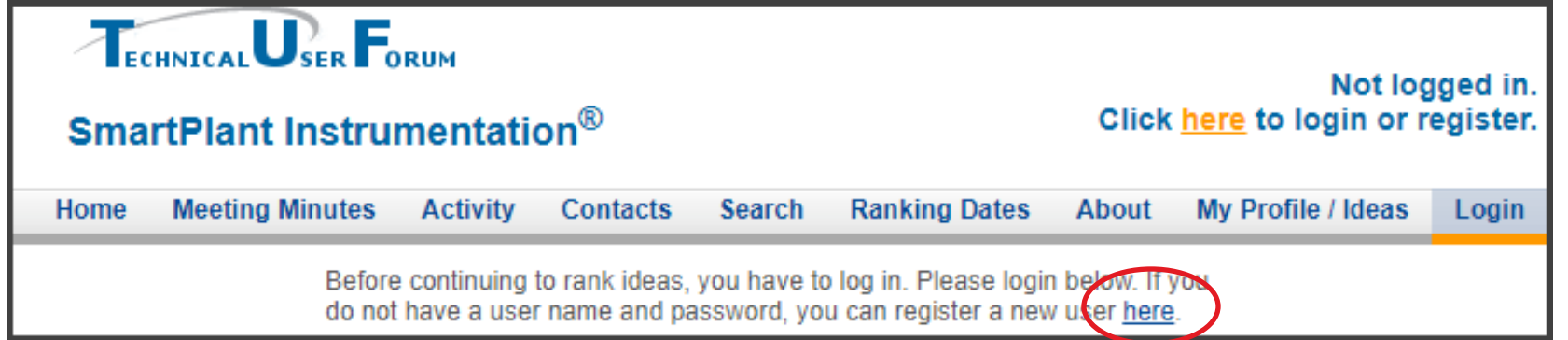
Smart Instrumentation Spec Sheet management

- **Out of the Box SI Spec Sheets**
 - Usability, Functionality
- **Custom Spec Sheets**
 - Library maintenance, Upgradability
- **Vendor Spec Sheets**
 - Documenting in Smart Instrumentation
- **Smart Form Generator**
 - Impact, Migration, User acceptance, Capabilities

Major user concerns about maintaining their form libraries in the cloud with no copies or mechanisms to keep their intellectual properties within their networks

Smart Instrumentation Houston SI Wish List

Login to: <http://spi.sptuf.com> or link from: <http://spi-ltuf.org> to rank the Wish List Items



Smart Instrumentation Houston SI Wish List

The following Wish List Items developed at the Houston SPI LTUF May 14, 2019 and have been published to the CR Ranking website for members to rank.

- WL-000056 ID# 226 - In the Engineering Data Editor - Make a Standard EDE property for Component Table Record_ID so it can be used for management of change in outside applications
- WL-000057 ID# 227 - Allow a method of seeing the actual field names from within the Engineering Data Editor (EDE)
- WL-000058 ID# 228 - In the Administration Module - Make a report for the Plant Hierarchy so it can be exported as an external file
- WL-000059 ID# 229 - Create a method to import the Plant Hierarchy from an external file
- WL-000060 ID# 230 - Create a method of saving User Rights to an external file
- WL-000061 ID# 231 - Create a method of importing User Rights from an external file

Smart Instrumentation Houston SI Wish List

- WL-000062 ID# 232 - Change the name of SPI Administration Module to Engineering Manager for consistency across other tools
- WL-000063 ID# 233 - Access rights expanded for Query Builder and Engineering Data Editor for additional granularity when assigning users to groups
- WL-000064 ID# 234 - Create a method of saving folders in the Reference Explorer to an external file for engineering reuse of reference data
- WL-000065 ID# 235 - Create a method of importing saved external data and folders into Reference Explorer for engineering reuse
- WL-000066 ID# 236 - Create a reference data interface similar to SPEL so the reference data can be reused from project to project.
- WL-000067 ID# 237 - Create a method of saving the Instrument Types with Profile data to an external file.

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- WL-000068 ID# 238 - Create a method of importing Instrument Types with profile data from an external file
- WL-000069 ID# 239 - Provide multiple profiles for instrument types for additional granularity
- WL-000070 ID# 240 - Add Criticality table specific to instruments not just Loop
- WL-000071 ID# 241 - Publish the Smart Instrumentation Data Dictionary as part of the documentation.
- WL-000072 ID# 242 - Publish the “Normalized” SFG Data Dictionary so it may be incorporated with other standards
- WL-000073 ID# 243 -Online Hexagon PPM Intergraph Knowledgebase for viewing documentation and data dictionary
- WL-000074 ID# 244 - For As-built - show origin of item field to identify parent of checked out items
- WL-000075 ID# 245 - Incorporate PIP DMDIM001 Standard data dictionary into Smart Instrumentation as the basis for SFG and Instrument Spec Sheets

Smart Instrumentation Houston SI Wish List

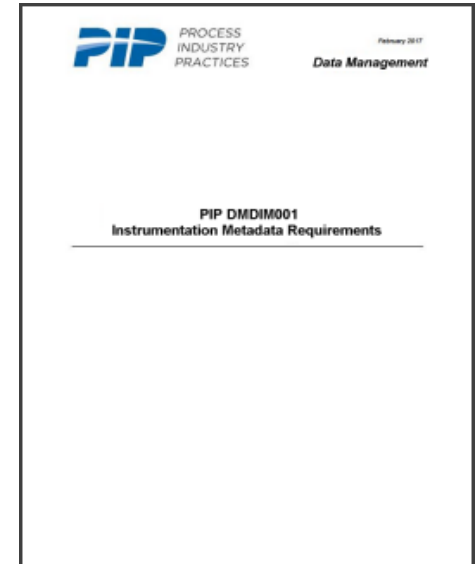
- WL-000076 ID# 247 - Provision to export and Import the Spec Sheet UDF Data Tables to and from an external File to allow users to create their own standardized spec data dictionary

Additional Submissions from Houston Smart Instrumentation Local Technical User Forum???

Gene Haney (SIG Chair) is attending the PIP committee meeting today to get an update on the progress of PIP DMDIM001 Instrument Metadata Requirements Practice

Nezar Faitouri expressed an interest in assisting Gene in future SIG activities

The intent is to restart the SIG by the next LTUF meeting



PIP DMDIM001 Instrument Metadata Requirements SIG Update

- Current Houston SPI LTUF SIG Members:
 - Gene Haney, McDermott (SIG Chair)
 - Bob Zerda, PIP
 - Alex Koifman, ProLytX
 - Betty Alexander, JGC
 - Chris Cordes, Covestro
 - Guillermo Vigna, Endress+Hauser
 - John Dressel, Fluor
 - Kory Johnson, Marathon
 - Nezar Faitouri, Mangan, Inc.
 - Brian Shefler, Flowserve
 - Daryl Konen, WorleyParsons
 - Dee Dee Honea, Eichleay
 - Eric Rangel, Shell
 - Ahmed Esaklul, McDermott
 - Jose Farach, Oxy
 - Lawrence Addison, Shell
 - Maria Cunningham, Chevron
 - Oliver Nava, Chevron
 - Phillip Rumler, Endress+Hauser
 - Scott Gallagher, Phillips 66
 - Sharon Wildey, Bechtel