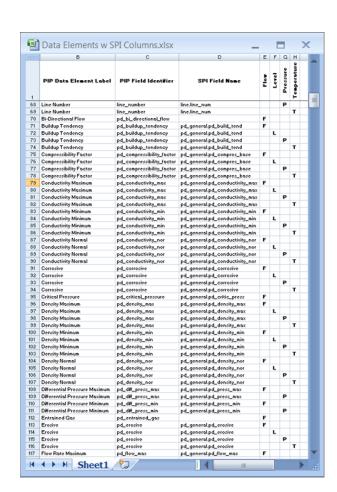
PIP DMDIM001 Instrumentation Metadata Requirements



PIP DMDIM001 Instrument Metadata Requirements

Instrument Design Tool Configuration (IDTC)

- Purpose and Method:
 - Facilitate Data Sharing
 - Create Generic Practice
 - Define a 'Harmonized' Mapping
 - Provide Autonomy to Each Data Contributor
 - Review industry standards (e.g., SPI, ISA, OSI, ISO, NE-100 Etc...) and incorporate instrument datasheets.
 - PIP IDTC Task Team has identified 500+ data elements associated with instrument specification data for instruments of the Flow, Level, Pressure and Temperature process functions
 - They are just now adding Control Valve data elements to the specification
 - Only 20% of theses data elements have a defined data field in the SPI schema.



PIP DMDIM001 Instrument Metadata Requirements

- Houston SPI LTUF is conducting a IDTC Special Interest Group with the following plan of action:
 - 1. Identify data elements from list that exist in SPI
 - 2. Review, consolidate, expand list of data elements not in SPI
 - 3. Assist in developing the Control Valve data elements to the IDTC
 - 4. Provide feedback to the PIP DMDIM001 IDTC committee
 - 5. Provide recommended schema changes to Intergraph
- The Special Interest Group (SIG) was formed to review the 'missing' fields and make a recommendation to Intergraph pending rebuild of the Spec Module in SPI
- The SPI was introduced to Hexagon PPM at HxGN 2017 in Las Vegas and received with much interest:
 - The SmartPlant Instrumentation Spec Module is undergoing a major update to eliminate the need for Infomaker
 - Hexagon is driving an initiative to include WEB API's for external integration in all the tools and this requires a structured Data Dictionary as the bases of all Spec Sheets

PIP DMDIM001 Instrument Metadata Requirements

- Current Houston SPI LTUF SIG Members:
 - Gene Haney, CB&I (SIG Chair)
 - Bob Zerda, PIP
 - Alex Koifman, F.I.R.S.T. CONVAL
 - Betty Alexander, JGC
 - Chris Cordes, Covestro
 - Guillermo Vigna, Endress+Hauser
 - John Dressel, Fluor
 - Kory Johnson, Marathon
 - Nezar Faitouri, Mangan, Inc.
- The efforts of this SIG are ongoing and intended to bring more consistency to the SPI Spec Data Dictionary and PIP DMDIM001
- Gene Haney is seeking more members and participation in the SIG