PODS 7: Data Management for Reporting

2025 TX RRC Regulatory Conference – Round Rock, Texas – July 15, 2025

PODS™
Pipeline Open Data Standard

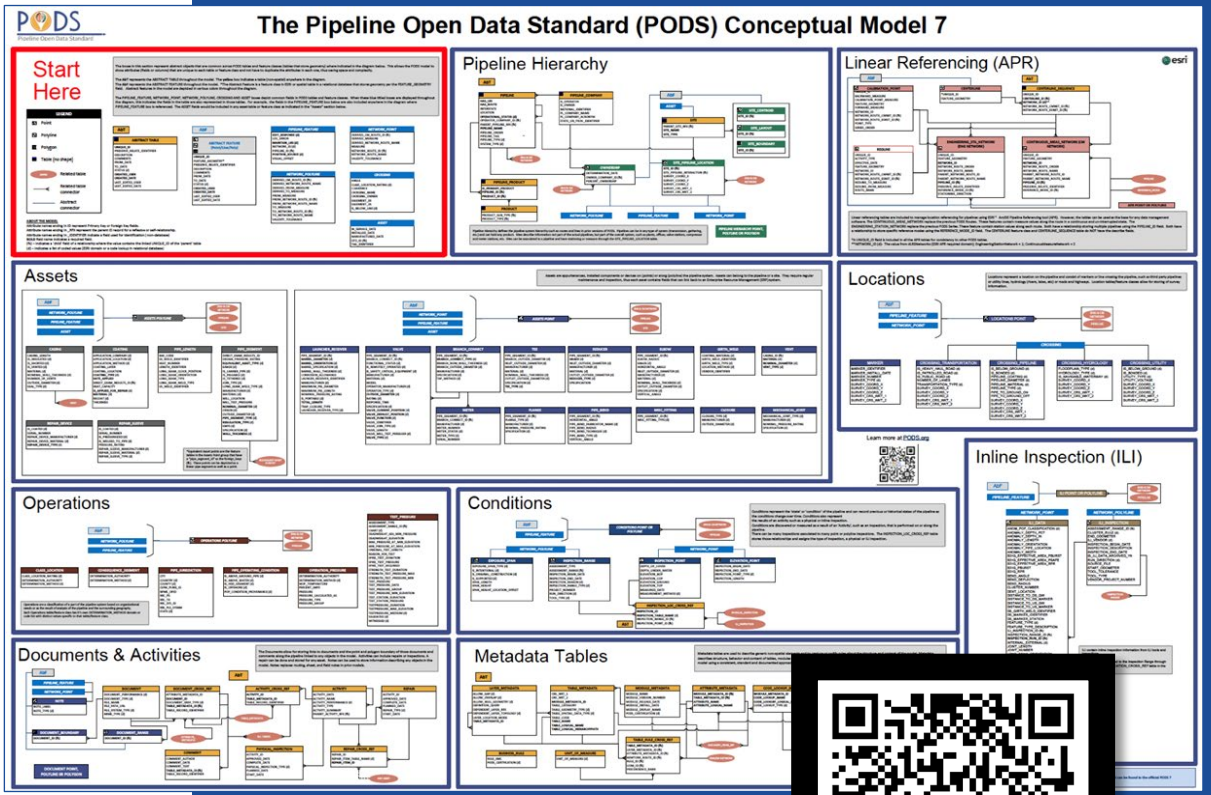
THE Industry Standard and Community for Efficient Pipeline Data Management

Agenda

PODS Overview
- Our Community
- The Value
- Some Metrics

PODS Models
- PODS 7 + APR
- PODS 7 UNET + APR

PODS Integrity & Regulatory Module
- What is it?
- Why create it?
- What's in it?
- How does it help us use GIS to execute IMP?
- Compliance IN ACTION



Welcome Panel

Chad Hultman
ONEOK

Marissa Anderson
Magnolia River

Josh Cox
Williams

Moderator
Monique Roberts
PODS Association

PODS COMMUNITY

The Pipeline Open Data Standard (PODS) Association is a non-profit member-driven community providing the exclusive data model standard built by and for pipeline operators. Over the past 25 years, the PODS standard has been adopted by pipeline operators, service providers, vendors, and regulatory agencies for managing pipeline spatial data worldwide.

PODS members are thought leaders and innovators who share knowledge and expertise to build and maintain the only geospatial data model specifically designed by and for pipeline operators.

PODS Impact: Providing a Pipeline Community Focused on Pipeline Safety & Asset Knowledge Management

200+ Pipeline Operators • 39+ Countries • 3 Million+ Miles of Pipeline Assets and Systems

PODS Data Model Benefits

- Open ESRI Compatible Platform
- Database Architecture for a Linear-Referenced Database
- Standardizes and Modernizes Data Management and Reporting
- A Business, Risk, Compliance and Decision-Making Tool
- Pipe-centric Approach to Managing Pipeline Data in a Single Data Repository

Operator designed to comply with regulations, support specific pipeline operations and decrease risk through the digital twin/asset knowledge management.

Benefits of PODS 7 - Metrics

Money: Large Multi-State Operator

"We are optimizing our pipelines to create value. Our modeling group is responsible for optimizing the flow of products through our pipelines. Previously, they had to manually connect our system and run their model, which took months of work to complete, limiting their ability to perform this task to a few times a year. With PODS 7 and the Utility Network, they now have a fully connected system to work with daily. This enables them to run their models daily and make more informed decisions that optimize efficiency, resulting in increased profitability. Basically, better, more reliable information is available for confident decision making which we have tracked metrics to show savings of $2+ Million per month."

Time: Large Multi-State and Multi-Country Operator

"Bad Data = Bad Decisions = More Time and Money. We have been able to extend the data model's modular design, allowing us to easily expand and adapt the GIS data structure to accommodate new regulatory requirements or enhancements to existing modules for Pipeline Integrity. We have also been able to execute faster nightly ETL, our past approach spatialized data on-the-fly while PODS 7 Spatial will eliminate the need for this. We are estimating direct time savings of hundreds of hours per month within the GIS and IT Teams with an in-direct time savings of thousands of hours enterprise wide in all business units and in all locations for our end users."

Resources: Small Operator in US

"Using PODS 7 we were able to simplify our data model, enabling our data managers and data analysts the ability interact with the data more easily which supports increasing stakeholder and regulatory needs. Previously our Pipeline Integrity and Regulatory teams spent months and increasing reliance on 3rd party resources to hunt down data to file our annual reports and upload to NPMS each year. Not only have we seen a decrease in the amount of time for reporting but HR is now reporting a higher score on employee job satisfaction. Also related to resource training, a large driver for the success of our new GIS system is end-user adoption and use. To drive higher levels of user-engagement, the GIS Team uses a variety of training methods and forums. Past data models required that multiple training efforts be developed for each distinct business use and that end-users be retrained if they move from one business unit to another. A consolidated data model allows training to be consolidated and end-users to move from system to system with minimal learning curves."

Two Core
PODS 7 Models

APR

Utility Network

PODS Modules

IR - Integrity Regulatory

Traces how IMP activities drive the repairs in the field while supporting submission of annual reports (192, 195 and TXRRC) thus improving project prioritization, identifying why you performed a task, and supporting risk analysis and calculations.

Fall 2025

TVC - Traceable, Verifiable, Complete

Organizes data for calculation of operating pressure in compliance with Gas Mega, Gathering and proposed Distribution Rules as well as Hazardous Liquids Rules.

ILI - Inline Inspection

Stores all ILI data with millions of data points, allowing run-to-run analysis no matter the vendor tool.

Fall 2025

CP - Cathodic Protection

Integrates reporting features for in-depth cathodic protection analysis for optimized operations, while meeting the reporting requirements outlined by PHMSA.

SL - SCADA Link

Includes physical ties to sensor locations along a pipeline system, such that the volume factors for line pack calculations can be automated via a Unique ID that links back to SCADA.

Spring 2026

OFF - Offshore

Houses and standardizes data attributes specific to offshore pipeline systems for the first time, allowing links to 3D data for the ability to “walk the line” thousands of feet below sea level.

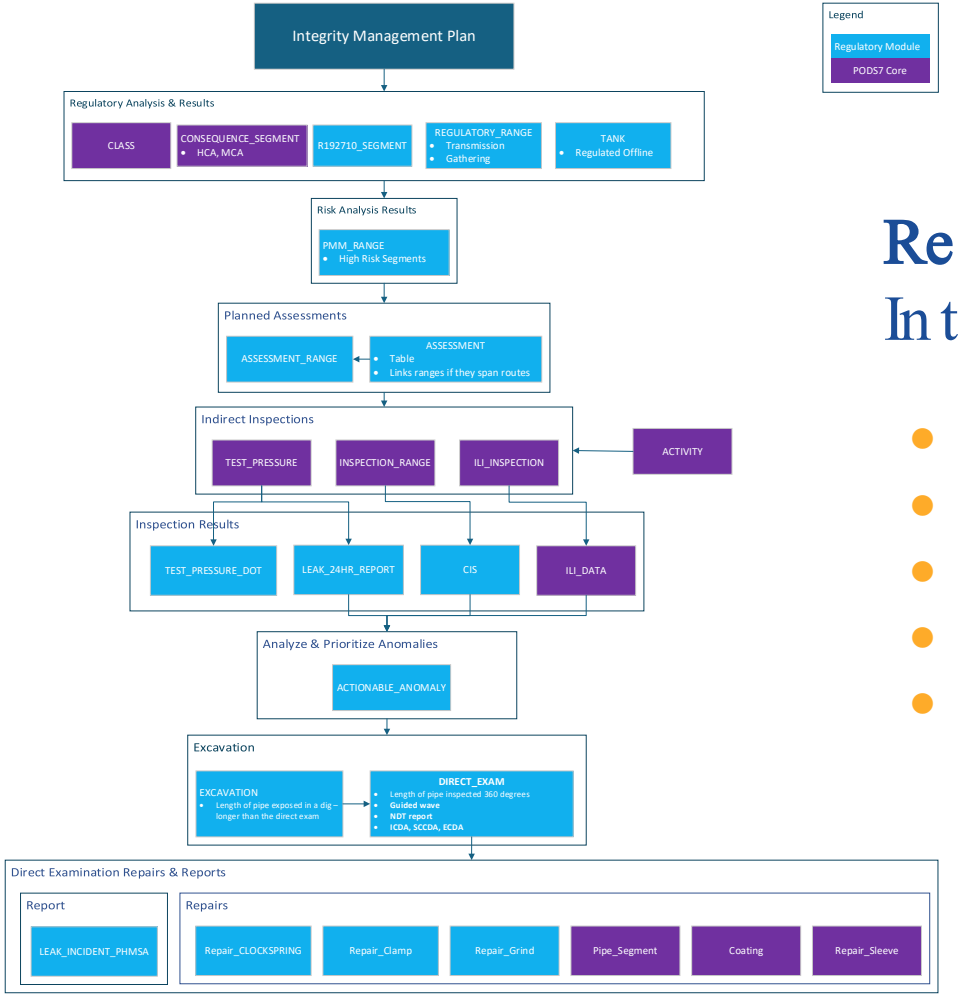
Regulatory Module: Integrity Assessment Data Overview

- What is this data module?
- Traces how IMP activities drive the repairs in the field while supporting submission of annual reports (192, 195 and TX RRC) thus improving project prioritization, identifying why you performed a task, and supporting risk analysis and calculations.

Regulatory Module – Integrity Assessment Data Overview

WHY Did we create it?

- Extract PODS data for reporting
  - PHMSA Annual Reporting
  - PHMSA NPMS Submissions
  - Federal Pipeline Safety Requirements
  - State Reporting
  - Track integrity assessment data for regulated gathering and transmission pipelines
- Single source of truth
  - Mileage
- Data Standard
  - Store regulatory pipeline categories
- Annual Updates
  - Ensure compliance with the new valve rule



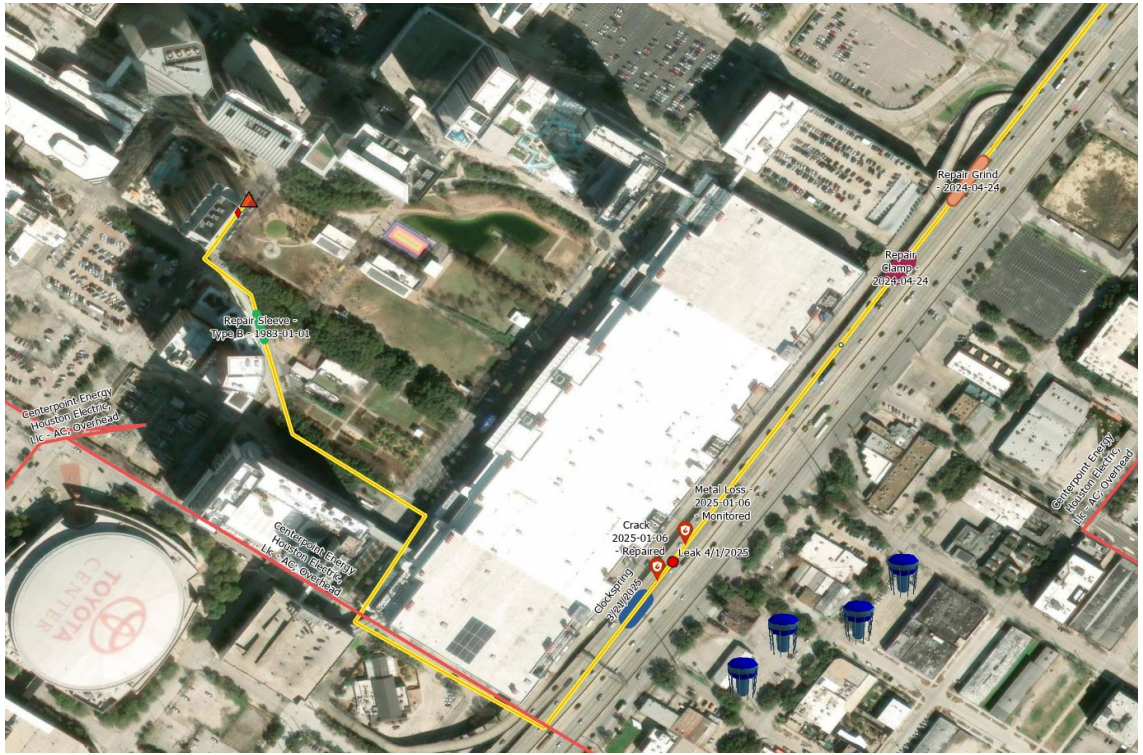
PODS™
Pipeline Open Data Standard

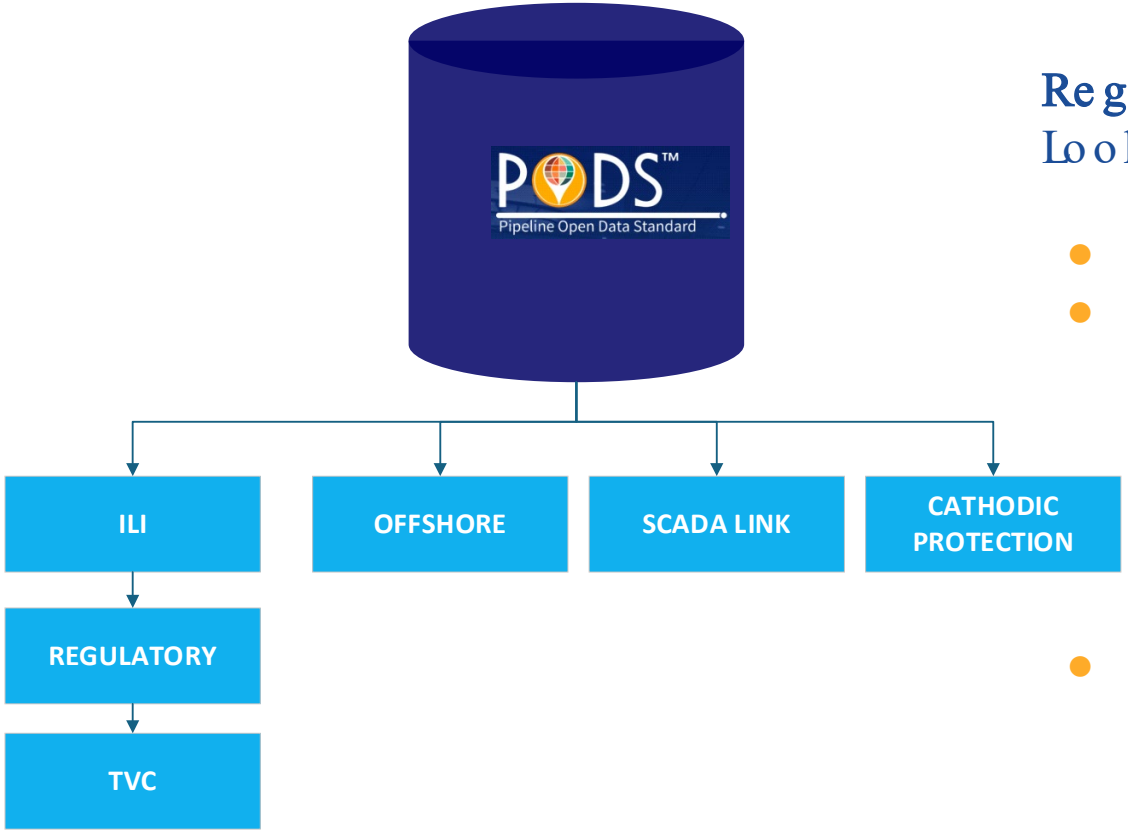
Regulatory Module
Integrity Assessment Data

- PHMSA Regulatory data
- Baseline Data & Gaps
- Extract Annual Report Data
- NEW feature classes and tables
- UPDATES to Existing feature classes and tables

Regulatory Module – GIS Integration

- Integrity & Regulatory Data Standard
- Integrate with Pipeline Asset Data
- One Source of Truth
- Data Consistency
- Efficiency
- Meet & Track Deadlines
- Resilience
- Cost Control
- Time & Money





Regulatory Module
Looking Ahead

- Available on PODS member portal
- Annual Workshops
  - Review latest regulatory updates
  - 2025 Workshop
    - NPMS
    - RRC
- Annual updated release
  - Update module for new users
  - Change log for existing users
- Regulatory is dependent on ILI

Save the Date

Fall Forum

October 21, 2025

Will send out emails for a call for topics for the Fall Forum

Fall Forum and Joint Social with ESRI will be at Top Golf West in Houston

PODS COMMUNITY EVENTS

- PODS Operator Only Online Event - July 30
- GTI's SAGE (Statistics, Analytics, and GIS for Energy) Conf - Chicago - Aug 13-14
- PODSCast: Leveraging PODS to Support Adv. Risk Ass. with Geonamic – Sept 10
- Esri Pipeline Seminar Denver - September 17
- Esri Pipeline Seminar Tulsa - September 24
- AGA Fall Committee Meetings - Orlando - Sept 29 - Oct 3
- Esri Pipeline Seminar Pittsburgh - October 8
- PODS Fall Forum - Houston - October 21
- Esri Pipeline Seminar - Houston - October 22
- Esri ERGIS EU - London - November 4-5
- PTC Asia - Kuala Lumpur, Malaysia - November 11-13
- PPIM – Houston January 19 – 22, 2026
- PTC Berlin – April 27-30
- PSIG Annual Conference – Amsterdam, Netherlands - May 5-8
- Esri ERGIS – Houston – May 18-20
- PODS Spring Forum – Houston – May 20-21

Conclusion

- Extract Annual Report data
- Relate integrity assessments back to repairs
- Annual updates to store most Federal and State data requirements
- Contact us
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- Questions?