



PIPELINE OPEN DATA STANDARD

*Welcome to the  
PODS User Group Meeting*

# *PODS Board of Directors*

## *Operators*

- *Mark Goodman, ONEOK*
- *Kenneth Greer, CenterPoint Energy*
- *Scott Hills, Chevron*
- *Sarah Johnson, Sunoco Logistics*
- *Mike King, BP*
- *JW Lucas, Enterprise*
- *Terrie Spicer, Kinder Morgan*

## *Vendors*

- *Dan Colby, Sentinel USA*
- *Ron Brush, New Century Software*
- *Scott Moravec, Eagle Information Mapping*

## *GRI Representative*

- *Keith Leewis, P-PIC*

## *The PODS Model*

- A comprehensive pipeline data model
- Primarily used for operations and integrity management
- Designed for gas and liquids
- Designed for gathering, distribution, and transmission lines
- Open data model

## *Industry Standards*

- Data Storage
  - The PODS Model
  - PODS Spatial
- Data Exchange
  - PODS NACE IDX
  - ILI
  - New Construction (in development)

## *The PODS Association*

- 26 Operators
- 52 Service Providers
- 2 Government Agencies
- 1 Association

**82 members**

## *Operator Members*

- *CenterPoint Energy*
- *Kinder Morgan \*\**
- *ConocoPhillips \*\**
- *Chevron \*\**
- *DCP Midstream*
- *Dominion Resources \*\**
- *Vectren Corporation*
- *Xcel Energy*
- *Anadarko Petroleum Corp \*\**
- *Air Liquide \*\**
- *Southwest Gas Corp*
- *Alinta Asset Management \**
- *Koch Pipeline \*\**
- *BP \*\**
- *Enterprise/TEPPCO*
- *ONEOK*
- *Boardwalk Pipelines*
- *Sunoco Logistics*
- *CITGO Petroleum*
- *Williams*
- *Total Infrastructure Gaz France \**
- *Red Cedar Gathering Co*
- *Talisman Energy \**
- *ExxonMobil \*\**
- *PSNC Energy*
- *Piedmont Natural Gas*

*\* International Members*

*\*\* Members with International Assets*

# *Countries Represented by Members*

- Argentina \*
- Austria
- Australia \*
- Canada \*
- China \*
- France \*
- Greece \*
- Germany
- India \*
- Indonesia
- Norway
- Russia
- United States

*\* New Members within the past year*



PIPELINE OPEN DATA STANDARD

## *New Members*

*30 new members*

since September 1, 2006

*39% net increase*

in membership

## *New Members*

- Intergraph Corp
- *Anadarko Petroleum Corp*
- *Total Infrastructures Gaz France \**
- Baker Hughes PMG \*
- TRC Solutions
- Ubisense, Inc
- *Air Liquide Large Industries US*
- *Southwest Gas Corp*
- *Red Cedar Gathering Co*
- Autodesk
- Business Industrial & Technical Software
- *Alinta Asset Management \**
- *Talisman Energy, Inc \**
- Unistal Systems Pvt Ltd \*
- Bentley Systems, Inc
- DeLorme
- James W Sewall Co
- Willbros Engineers, Inc
- ESRI
- Geonamic Systems, Inc
- Diversified Energy Services, Inc
- Guardian ProStar, Inc
- GIE SA \*
- Microline Technology Corp
- *Exxon Mobil*
- *Piedmont Natural Gas*
- *PSNC Energy*
- CCC \*
- S & B Infrastructure
- Bridge Solutions

*\* International Members*



*Operators in the  
PODS Association  
have more than  
350,000 miles of  
pipe – enough pipe  
to circle the earth  
14 times at the  
equator*



*Operators in the  
PODS Association  
have more than  
350,000 miles of  
pipe – enough pipe  
to reach the moon  
and return half  
way back to earth*

## *Operators Using the PODS Data Model*

- CenterPoint Energy
- Kinder Morgan
- ConocoPhillips
- Chevron
- DCP Midstream
- Southwest Gas
- Koch Pipeline
- BP
- Enterprise
- ONEOK
- Boardwalk Pipelines
- Xcel Energy



# 11

*Member operators  
have had their  
pipe in the PODS  
model for  
3 years or more*



*Member operators  
have nearly  
270,000 miles of  
pipe in the PODS  
model – enough  
pipe to circle the  
earth 10 times at  
the equator*



*Member operators  
have nearly  
270,000 miles of  
pipe in the PODS  
model – more than  
enough pipe to  
reach the moon*



PIPELINE OPEN DATA STANDARD

# *Technical Committee Update*

## *Technical Committee*

Responsible for the PODS Data Model

*Chairman: Gary Hoover, Enterprise*

Co-Chairman: Costas Kotzabassis, BITS

Reports to: Board of Directors

## *PODS Technical Committee*

- *Gary Hoover, Enterprise*
- *John Chioles, Chevron*
- *Michael Ray, Boardwalk Pipelines*
- *Jay Williams, ConocoPhillips*
- *Leith McDonald, BP*
- *Costas Kotzabassis, BITS*
- *Rod Burden, Moore Resources*
- *Kirk Cameron, New Century Software*
- *Rodger Weller, GE*
- *Teresa Young, GeoFields*
- *Yan Wang, Geonamics*
- *Inga Olgerman, Fluor*



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# *Working Groups*



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## *Working Groups*

**Spatial Implementation Committee**

*Chairman: Mike King, BP*

Reports to: Board of Directors

ESRI and Oracle Spatial Committees



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## *Working Groups*

**NACE/PODS ECDA Integrity Data Interchange –  
External Corrosion Direct Assessment Data  
Interchange Standard (ECDA IDX)**

NACE Chairman: Steve Biagiotti, Structural Integrity  
PODS Chairman: Ron Brush, New Century Software  
Reports to: NACE TG 357 and PODS Technical  
Committee

# *ECDA Working Group Members*

- *Dominion*
- *DCP Midstream*
- *Florida Gas Transmission*
- *Marathon Pipeline*
- *Southwest Gas*
- *Williams*
- *Equitable Resources*
- *Mears*
- *Moore Resources*
- *Structural Integrity*
- *New Century Software*
- *American Innovations*
- *CC Tech*
- *Corrpro*
- *CTS Middleast*
- *Elk Engineering*
- *Enbridge*
- *GeoFields*

## *Working Groups*

### **One Call**

Developing tables for One Call data

*Chairman: Katie Hellfritz, Xcel Energy*

Reports to: Technical Committee

# *One Call Working Group Members*

- *Xcel Energy*
- *DCP Midstream*
- *ONEOK*
- USA North One Call Center
- PA One Call
- Utility Notification Center of Colorado
- Sentinel USA
- Coler & Colantonio
- Kendrick Consulting
- Witten Technologies
- Petris
- Guardian ProStar
- New Century Software
- Ubisense Consulting
- Breining Consulting
- Irth Software
- **Planet Underground Magazine**

## *Working Groups*

### **New Construction Data Exchange**

*(in development)*

Developing data exchange standards between operators and engineering/construction companies

Proposed Chairman: Rob Brook, ESRI

Reports to: Technical Committee

# *New Construction Interested Members*

- *Kinder Morgan*
- *Boardwalk Pipelines*
- *ONEOK*
- *ExxonMobil*
- ESRI
- Willbros
- Michael Baker Corp
- Gulf Interstate Engineering
- Amec Paragon
- China Petroleum Pipeline Engineering
- eWam
- New Century Software

## *Working Groups*

### **Russian Regulatory Requirements** (in development)

Creating tables to address the regulatory requirements of the Russian Federation

Creating tables for One Call data

Proposed Chairman: to be determined

Reports to: Technical Committee

**We need volunteers!**

## *Working Groups*

Do you have ideas and suggestions to enhance or expand the standards?

Ask us about starting a Working Group.