



PIPELINE OPEN DATA STANDARD

*PODS: The Industry
Data Model Standard*

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*

PODS Board of Directors: Officers

- *President: Mike King, BP*
- *Vice President: JW Lucas, Enterprise*
- *Treasurer: Ron Brush, New Century Software*
- *Secretary: Sarah Johnson, Sunoco Logistics*

PODS

PIPELINE OPEN DATA STANDARD



*PODS & APDM have formed a
working relationship*



PIPELINE OPEN DATA STANDARD

NACE International & the PODS Association have united efforts to develop a joint ECDA standard for the pipeline industry



PIPELINE OPEN DATA STANDARD

PODS 4.0.1 Final Release

Available to PODS
Association Members

The PODS Data 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

The PODS Data Model

- An open standard
- The intellectual property of the PODS Association
- Designed by PODS members – industry leaders who volunteer their time

The PODS Data Model

- Meeting the requirements of our industry
- Available in Oracle or SQL DDL format
- 1,000 pages of documentation available in rtf and html format

Working Groups

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*
- **David Cullom, Washington State U&T Commission**
- *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

Spatial Implementation Committee

Chairman: Mike King, BP

Reports to: Board of Directors

ESRI and Oracle Spatial Committees



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Working Groups

**Inline Inspection Integrity Data Interchange –
ILI Data Interchange Data Standard (ILI IDX)
Chairman: Ron Brush, New Century Software
Reports to: Technical Committee**

ILI Working Group Members

- *Kinder Morgan*
- *Sunoco Logistics*
- *Williams*
- *Buckeye*
- *DCP Midstream*
- *Dominion*
- *Enterprise*
- Rosen Inspection
- Hunter McDonnell Pipeline Services
- Enduro Pipeline Services
- Magpie Systems
- Quorum Business Solutions
- National Oilwell Varco
- GE



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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

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
- China Petroleum Pipeline Engineering

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!



PIPELINE OPEN DATA STANDARD

PODS Data Model

Do you have ideas and suggestions to
change the data model?

Ask us about starting a Working Group.

PODS Membership

- *24 Operators*
- *53 Service Providers*
- *2 Government Agencies*
- *1 Association*

More than 350,000 miles of pipe

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 ***

** International Members*

*** Members with International Assets*

Countries Represented by Members

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

** New Members within the past year*

New Members

28 new members
since July 1, 2006

39% increase
in membership

New Members

- Electrical Systems Consultants, Inc
- *Xcel Energy*
- Beijing Antu Pipe Information Co, Ltd *
- 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*

** International Members*

Operators in the PODS Data Model

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



PIPELINE OPEN DATA STANDARD

*Third Annual
PODS User Group Meeting*

Thursday

September 27, 2007

(after GITA's GIS for Oil & Gas Conference)



PIPELINE OPEN DATA STANDARD

PODS Social

Wednesday

September 26, 2007

(after GITA's GIS for Oil & Gas Conference)



PIPELINE OPEN DATA STANDARD

*Third Annual
PODS User Group Meeting*

Call for Papers

Deadline for abstract submittal is
June 25, 2007



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The PODS Association

866-460-PODS

www.pods.org