



PIPELINE OPEN DATA STANDARD

## PODS News November 2006

### Membership Renewals

Membership renewals are due January 1, 2007. Please note that operator membership has been increased to \$3000 per year. Vendor/service providers and associations are still \$1000 and government agencies are still \$500. PODS accepts credit cards or checks. If you have any questions about payment, please don't hesitate to contact us. We are excited about your renewal and active participation in the PODS Association.

### Welcome to the following new members:

- Southwest Gas Corp
- Red Cedar Gathering Co
- Autodesk, Inc
- Business Industrial & Technical Software (BITS)
- Alinta Asset Management

### Copyright News

PODS 4.0 now has its own copyright. Because PODS is a non-profit association, the use of tables in PODS 4.0 is limited to association members. If you would like to use the tables, please contact us about membership. Your membership is welcome and needed.

### Board Elections

Annual Board of Director elections will be held in January. Four seats are up for re-election/election. Board membership is for two years and requires active involvement in the organization. Please watch for emails regarding nominations and voting.

### PUG 2007

Look for us at the ESRI Petroleum User Group Conference in Houston, February 2007.

## Member Information Needed

Are you a member of the PODS Association? We need your information! Many people call the PODS Association requesting information about service providers and vendors. Because we are vendor neutral, we refer inquiries to our member webpage. **If you will send us information about your company, including services you provide, we will post the information on the PODS website.** The sooner you send it – the faster we'll post it! Please keep your descriptions brief.

We will also post information for pipeline operators, government agencies, and associations.

## Reviewing PODS Releases

Before the PODS 4.0 release, the Technical Committee requested that members review and comment on the database. The request for review and comment went to the primary contact listed with the PODS Association. Unfortunately, the primary contact is often not the person who would actually review the data. **We request, therefore, that each company submit a technical contact. The technical contact will be the person responsible for reviewing the next release.** Please send your technical contact information to [sheila.wilson@pods.org](mailto:sheila.wilson@pods.org). We appreciate your help in the review and comment process.

**Question: How many miles of pipeline are operated by PODS Association members?**

**Answer: More than 235,000 Miles of Pipeline**

## Oil IT Journal

The PODS User Group Meeting (September 2006) is featured in the October, 2006, Oil IT Journal at [www.oilit.com](http://www.oilit.com).

PODS is the pipeline industry database standard. The Board of Directors is composed of pipeline industry leaders who volunteer their time to manage the PODS Association. The database is developed by the Technical Committee which is also composed of industry leaders who volunteer their time.

## Value of Membership

The Board of Directors is actively addressing the following areas:

- Integrity Management/Compliance
- Repair Information
- Spill/HCA Modeling
- Compliance/Status Reporting
- Data Exchange/Views
- Data Model Documentation

## Help Wanted

Are you interested in developing the database standard?  
Are you interested in developing data exchange standards?  
We need your help. If you have an area of specialty, interest, or need, please contact us about joining or forming a Working Group.

## Attention International Users

The PODS Association currently has 67 members in the following countries:

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

The PODS Association would like to develop the database standards to accommodate the regulatory requirements of each country represented. If you are interested in developing a Working Group, please contact us.

**We have had a special request for PODS users in Australia and Canada. If you are currently using the PODS data model or are interested in implementing the standard, please contact us for more information.**

## Tips for PODS Implementation

Understanding your needs before you start any implementation will help you to better develop a reasonable solution. Here are some thoughts to consider:

What are your business objectives?

- An enterprise solution?
- Business processes?
- Data collection and maintenance?
- A stand-alone solution?

Identify your goals early:

- In what applications do you want to use your data?
- How do you want to use your data?
- What are your needs?

Understand your data and how it will affect meeting your goals:

- What data is required to meet your goal?
- What is the accuracy of your data?
- Do you need to collect new or more data?

## PODS Fine Grain Security

The PODS Fine Grain Security Working Group is developing a recommended practice for the addition of security to the PODS data model. The Working Group needs members who are actively using SQL Server for their PODS platform. Please contact Kenneth Greer at [kenneth.greer@centerpointenergy.com](mailto:kenneth.greer@centerpointenergy.com).

## Domain Tables

The Technical Committee has classified the domain tables into 4 groups:

1. Required and must be populated with standard values.
2. Not required but if these tables are used must be populated with standard values.
3. Not required but if used, use a list of recommended values.
4. Tables are open or user defined.

We are developing domain ranges for many of the tables. If you would like to contribute to this process, please send domain table values to Sheila Wilson ([sheila.wilson@pods.org](mailto:sheila.wilson@pods.org)).

## Technical Committee Tip: PODS Equation View

Here is one example of a database view solution to represent series\_id changes as point locations.

```
CREATE VIEW V_Equation AS
SELECT T1.LINE_ID, T1.BEGMEASURE, T2.ENDSTATION AS
BCK_STATION,
T1.BEGSTATION AS AHD_STATION FROM
(
SELECT SER.LINE_ID,
SER.BEGSTATION AS BEGSTATION,
SER.ENDSTATION AS ENDSTATION,
SPBEG.MEASURE AS BEGMEASURE,
SPEND.MEASURE AS ENDMEASURE
FROM STATION_POINT SPBEG (nolock), EPC_SERIES SER
(nolock), STATION_POINT SPEND (nolock)
WHERE SER.LINE_ID IN (SELECT LINE_ID FROM EPC_SERIES
(nolock)
GROUP BY LINE_ID
HAVING COUNT(SERIES_ID) > 1)
AND SER.SERIES_ID = SPBEG.SERIES_ID
AND SER.SERIES_ID = SPEND.SERIES_ID
AND SER.BEGSTATION = SPBEG.STATION
AND SER.ENDSTATION = SPEND.STATION
AND SPBEG.CURRENT_INDICATOR_LF = 'Y'
AND SPEND.CURRENT_INDICATOR_LF = 'Y') AS T1,
(SELECT SER.LINE_ID,
SER.BEGSTATION AS BEGSTATION,
SER.ENDSTATION AS ENDSTATION,
```

```
SPBEG.MEASURE AS BEGMEASURE,
SPEND.MEASURE AS ENDMEASURE
FROM STATION_POINT SPBEG (nolock), EPC_SERIES SER
(nolock), STATION_POINT SPEND (nolock)
WHERE SER.LINE_ID IN (SELECT LINE_ID FROM EPC_SERIES
(nolock)
GROUP BY LINE_ID
HAVING COUNT(SERIES_ID) > 1)
AND SER.SERIES_ID = SPBEG.SERIES_ID
AND SER.SERIES_ID = SPEND.SERIES_ID
AND SER.BEGSTATION = SPBEG.STATION
AND SER.ENDSTATION = SPEND.STATION
AND SPBEG.CURRENT_INDICATOR_LF = 'Y'
AND SPEND.CURRENT_INDICATOR_LF = 'Y') AS T2
WHERE T1.BEGMEASURE = T2.ENDMEASURE
AND T1.BEGSTATION <> T2.ENDSTATION
AND T1.BEGMEASURE <> 0
```

The result set looks like this:

<u>LINE ID</u>	<u>MEASURE</u>	<u>AHD STA</u>	<u>BCK STA</u>
583	125.00	3227524.00	3227542.00
583	4691.00	3232108.00	3232151.00
583	8504.00	3235964.00	3235958.00
583	13265.00	3240719.00	3240481.00
583	18696.00	3245912.00	3245900.00
583	24498.00	3251702.00	3251706.00
583	29397.00	3256605.00	3256599.00
583	47727.00	3274929.00	3274934.00
583	57144.00	3284351.00	3284343.00

## PODS 4.0 – Release

PODS 4.0 was released September 2006 at the GIS Oil & Gas Conference. The PODS 4.0 Release contains the ddl files for SQL and Oracle, the E-R Diagram, and documentation. For everyone requesting documentation, the PODS Technical Committee has developed 988 pages of documentation with more to be released soon. The PODS 4.0 model is available to all active members. If you have not received your copy, please contact Sheila Wilson at [sheila.wilson@pods.org](mailto:sheila.wilson@pods.org). The release is available on cd and will be mailed on request. If you are not currently a member, we encourage you to join to receive your copy.

## Contact PODS

The PODS Association now has a toll free number. Effective immediately, the Executive Director will be available Monday through Friday from 8 am to 5 pm, Central Time. You may reach Sheila Wilson at:

918-246-9343  
866-460-PODS (7637)  
[sheila.wilson@pods.org](mailto:sheila.wilson@pods.org)

Don't forget to view the PODS website at  
[www.pods.org](http://www.pods.org)

## Board of Directors

President: Alan Herbison, Kinder Morgan  
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