PODS Association Update
Lunchtime Webinar

January 11, 2018
PURPOSE:
• Making PODS useful and relevant
• Making the model process simpler, easier to use, and agile
• Notifying our members of what is going on
• Getting our members involved in the process

AGENDA:
• PODS 7.0 Update – Fruits of the Next Gen Effort
• PODS Technical Groups Organizations
• An overview of the Project Team Charters and each scope of work
• Process to Volunteer
PODS 7.0 Call for Volunteers

Andy Morris (DCP Midstream), TCG Chair
January 11, 2018
What is PODS Next Generation (NG)?

- Modular approach to extending the data model
- Multiple RDBMS Support
  - Oracle, SQL Server, PostGIS
- Works with or without ESRI APR
- Data Exchange Specification
  - XML-based data transfer standard
- Modules Dependent only on the Core
- Business Intelligence and Visualization
Next Gen Status & Plan

• PODS Lite Finalization (February 2018 Release for Member Comments)
  § Oracle, SQL Sever, PostgreSQL/PostGIS RDBMS and OpenSpatial Testing
  § Documentation Updates

• PODS Core Release (TBD)
  § ShapeChange Configuration
  § Data Model Overview
  § New Tables (in addition or to complete PODS Lite)
  § Better guidance on implementation
  § PODS 7.0 Geodatabase and RDBMS Documentation

• Data Exchange Specification
• Module Submission Standards
• Project Team Charters, Staffing, and Kickoff
Future - Modules

- ‘Added’ on to PODS Core
- Contain tables, attributes, relationships and domains describing a particular topic.
- Provide operators the option of what they want to include in their module beyond the core
- Depend solely on the core
- Can be developed by operators but there will be official PODS Modules available from the PODS website
  - A working group will develop the standards and validation process for submitted modules
- Priority ranked by the TCDM, NG, and TCG teams
# How We Govern

## PODS Board of Directors
- Overall governance of PODS
- Adopt strategy and policy
- Approve Technical Work Groups/Projects, charters, and Technical Committee/other appointments

## Technical Committee on Governance
- Provides guidance and direction to Work Groups and Project Teams implementing strategic initiatives
- Promotes coordination among groups and teams to advance work
- Provides recommendations to Board based on work results of TC (work groups and project teams)

## PODS Technical Committee for Data Modeling
- Responsible for modeling oversight and structural implementation of PODS Relational and Spatial Model Standards
- Model maintenance and integrity
- Model design changes from Work Groups and Projects (as approved by Board)
- Provides modeling design and advice to projects and work groups

## Work Groups

## Projects

## Supported By:
- Executive Director
- Technical Coordinator
- Release Coordinator
How Project Teams Work

• **Project Teams Are Responsible For:**
  • Developing detailed scope, schedule and deliverables to meet Project Team Charter objectives
  • Performing the work specified and provide regular reports to the TCG
  • Presenting final results to parent Working Group
  • Maintaining core members to respond to comments from TCG, Board of Directors, and Membership reviews

• **Volunteer Commitment**
  • 1 hr. bi-weekly meeting
  • Time commitment average is 4 – 8 hrs./week
How Project Teams Work

• **Volunteer Environment**
  • Onboarding by seasoned PODS volunteers
  • Virtual Meetings. Project Team Chairs may be requested to attend face-to-face meetings.
  • Amazon Web Services environment for modeling and testing
  • Jira for task, issue, and bug tracking.
**Challenge** - To design and document the ILI model and interchange specifications for the storage and management of in-line inspection data to meet the needs of pipeline operators.

- Objective 1 – Develop a “Lite” version of the model to support basic business requirements.

- Objective 2 – Develop a “Complete” version of the model to support robust business requirements.

- Objective 3 – Develop alternate method for storing ILI Schema outside of PODS Schema on different server/schema
ILI & Offline Inspection Data Management Project Team

• 10 Person Team
  • 2 Co-Chairs – 1 Operator and 1 Service Provider
  • 1 Member of Next Gen Working Group (can be a Chair)
  • 1 Member from Technical Committee for Data Modeling

• Qualification: Members seeking approval for participation in this working group should demonstrate capability and skill with three or more of these topics/skill sets:
  • Pipeline Integrity Management particularly Inline Inspection.
  • Geographic Information Systems and data management.
  • Big data or offline data management strategy.
  • Working understanding of Pipeline Data Models including linear referencing.
• **Challenge:** to define the approach, technical considerations and requirements for tracking history in a relational or geodatabase implementation of the PODS Next Generation (NextGen) schema.

• Objective 1 - A LITE schema or implementation. The LITE schema is the bare minimum data required to accurately describe and quantify how History is managed.

• Objective 2 - A COMPLETE schema or implementation for required for the delivery and documentation of a complete standard for managing history will also be delivered.

• Objective 3 - A best-practices and guidance documentation providing instruction on how History data can be managed within the schema of the PODS CORE database and alternatively how these data could be managed in a separate schema repository.
History Project Team

• **8 - 10 Person Team**
  • 2 Co-Chairs – 1 Operator and 1 Service Provider
  • 1 Member of Next Gen Working Group (can be a Chair)
  • 1 Member from Technical Committee for Data Modeling (can be a Chair)

• **Qualifications:** Members seeking approval for participation in this working group should demonstrate capability and skill with three or more of these topics/skill sets:
  • Understanding of pipeline workflows and operations
  • Understanding of pipeline data models including linear referencing
  • Understanding of Geographic Information Systems & database management
  • Big data or offline data management strategy
Volunteering Process

• Visit PODS.org website - www.pods.org/technical-committees/technical-committeescall-for-volunteers
  • Fill out online Questionnaire
  • Download .PDF form and email
  • Submissions will be acknowledged by email
  • Submissions will be reviewed by Next Gen Working Group
  • Project Team Chairs and members will be recommended to TCG for final approval
  • Notification made to Project Team members
Why Volunteer?

- Meet new people and collaborate with some of the sharpest minds in the Industry
- Contribute to our re-imagined open data model
- Learn new skills
- Make a difference
Q & A

Please type your questions into the “Questions” or “Chat” area of the GotoWebinar control panel -or- email Jen at jen.gordon@pods.org....
Thank You for Attending and considering becoming a Volunteer

Upcoming Webinars:
Webinar March 8 (for public)
Member Portal Training Video (for members only) will be available February 8th
# How We Work

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