Breakout Session: Next Gen Modules and Beyond

Chad Corcoran (Andeavor), PODS Board Member
• Current Release Schedule – PODS 7.0/PODS LITE
• What is a Module?
• Current Modules and Scheduled Modules
• Planning for Future Modules
• Need feedback from PODS Community
  - Ideas
  - Charters
  - Participation and Membership
• Open Discussion
Timeline

- **Spring 2018**: PODS Lite 1.1 Release, ILI Workgroup Start
- **Summer 2018**: History Workgroup
- **Fall 2018**: PODS 7.0, PODS Lite 7.0
- **Winter 2018**: Additional Module Workgroups
- **Beyond**:
Module Development Process

1. Next Gen outlines workgroup charter
2. TCG formalizes and approves the charter
3. Call for volunteers
4. Volunteers reviewed and selected by NextGen
   • One *should* be on the TCDM team
5. Module sub-group co-chairs are selected
   • One *should* be on the NextGen team
6. On-boarding meeting
7. Module sub-group kick-off meeting
What is a Module?

- ‘Added’ on to PODS Basis
- 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
Current Modules

- Current Modules
  - Inline Inspection and Offline Storage of Large Amounts of Inspection Data
  - History – How do we manage history? What information do we track? What is history? (an audit trail of changes made to records in the database).
- Suggested Modules
- But is there more than modules?
ILI & Offline Inspection Data Management Project Team

• Challenge
  • To design and document the Inline Inspection (ILI) model for the storage and management of in-line inspection data to meet the needs of pipeline operators.
  • To effectively store and manage massive amounts of ILI data in a ‘offline’ mode

• **10 Person Team has been formed and will begin work within the month**
  • 2 Co-Chair-people – 1 Operator and 1 Service Provider
  • 1 Member of Next Gen Working Group (co-chairperson)
  • 1 Member from Technical Committee for Data Modeling
  • 3 ILI vendors, 3 service providers, 4 operators.
History Project Team

• Challenge:
  • To define the approach, technical considerations and requirements for tracking history in a relational or geodatabase implementation of the PODS 7.0 schema.
  • Will investigate and document, offline history, inline history, geodatabase archiving and other RDBMS-specific techniques

• 8 - 10 Person Team – Committee is forming – we are still looking for volunteers
  • 2 Co-Chairs – 1 Operator and 1 Service Provider
  • 1 Member of Next Gen Working Group (co-chairperson)
  • 1 Member from Technical Committee for Data Modeling
Future Modules – Ideas needed?

• Not just about ‘what to store in the model’ but it has branched out to
  - ‘how to store data?’
  - ‘why do we store this data?’
  - ‘when do we store the data?’
Module \ Data Model Working Group Suggestions

• Data source & provenance – where did the data come from, how was it verified (TVC)
  - A single ‘source’ attribute is insufficient
  - Needs to be tied to documents
• Business Intelligence – how do we present data in PODS to users?
  - Are there standard views?
  - Are there standard web-maps?
  - Should PODS specify how to submit NPMS, or Annual Reports?
  - Is there any other way to visualize this data?
• Standard Data Modules (as shown on previous slide)
Discussion

• We Need feedback from the PODS Community
  - Ideas for Modules or Working Groups to
  - Help writing charters and defining the content of a module
  - Participation and membership in the working groups to design the modules
  - Testing modules and validating the model

• Open Discussion:

  What are the priorities for modules or working groups?
  What do you think are the content\scope of these modules and/or working groups?
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