PPDM Version 3.8
Roadmaps

The PPDM Association is a not-for-profit organization that develops and maintains data management standards for the Resource Industry.

With over 100 member companies comprised of petroleum businesses, governments, data vendors, software vendors and service firms, the Association provides a roundtable process to bring experts together to build useful, business-driven data management standards.
About the PPDM Association

Support Modules
4 Additives Catalogue: Describes drilling additives used during field operations.
4 Areas: Areas of any type, such as geographic, jurisdictional or project.
4 Entitlements: Describe the rights you have to data and information.
4 Equipment: Describe equipment used in the field, lab or office.
4 Finances: Summarize cost information from your accounting systems.
4 Rate Schedules: Outline fee schedules for functions and services.
4 Source Documents & Bibliographies: Bibliographic reference for source documents.
4 Spatial Descriptions: Geographic and other location information for business objects.
4 Work Orders and Requests: Tracks work orders that support business operations.
5 Business Associates: Companies, people or organizations you do business with.
5 Coordinate Systems: Geographic and cartographic spatial reference systems.
5 Products and Substances: Composition of hydrocarbons and other substances.
5 Projects: Capture and track task lists for operational activities.

Data Management and Units of Measure
6 Data Management: Business rules, mappings, audit histories, QC history, metrics and more.
7 Unit of Measure: Supports measured values in PPDM, and conversions between unit systems.
7 Volume Regimes: Hydrocarbon volumes by temperature and pressure regimes.

Stratigraphy and Lithology
8 Stratigraphy: Detailed descriptive information about stratigraphic units, such as formations.
8 Lithologic Samples: Sample collection, preparation and usage summaries.
9 Lithology: Lithologic characteristics from rock analysis, such as color, porosity, grain size etc.
9 Sample Analysis: Supports water, oil and gas sieve screen analysis details.

Production and Reserves
10 Fields: Summary information about fields.
10 Pools: Summary information about geologic or regulatory pools.
10 Production Entities: Business objects that are directly involved in hydrocarbon production.
10 Production Related Facilities: Describe facilities such as pipelines, storage tanks, or batteries.
10 Production Reporting: Volumes reporting for all products, time periods, activities or methods.
10 Production Strings: Describes the conduit between a hydrocarbon source and the surface.
11 Reserves Reporting: Summarizes reserves information, including forecasts.
11 Reporting Hierarchies: Aggregated reporting, such as production reporting or reserves forecasts.

Wells
12 Wells: Detailed life cycle information about wells and well bores.

Product Management and Classifications
14 Classification Systems (Taxonomies): Faceted taxonomies for classifying records.
15 Records, Product and Information Management: Fully functional librarian module.

Seismic
16 Seismic: Life cycle management for seismic, from acquisition to divestment.

Operations Support
18 Applications: Requests to obtain authorization to do work or complete an operation.
18 Notifications: Details about notifications to partners or other parties.
18 BA Licenses: Authorization for general operations, such as aerial surveys.
18 Consultations & Negotiations: Discussions between various parties.
18 Contests and Disputes: Summary information about legal disputes and their outcomes.
18 Facility Licenses: Regulatory authorizations for facility related operations.
18 Consents: Non-regulatory agreements between parties to conduct operations.
18 Well Licenses: Regulatory authorizations for well related operations.
18 Seismic Licenses: Regulatory authorizations for seismic related operations.
19 Support Facilities: Descriptive information about support facilities such as rigs, roads or vessels.
19 Health, Safety and Environment: Incident reporting summaries.

Land and Legal Management
20 Contracts and Legal Agreements: Legal documents that govern operations.
20 Obligations: Conditions that must be fulfilled, such as fees to be paid or work to be done.
20 Interest Sets and Division of Interests: Partnerships and division of interests.
20 Instruments: Documents that physically document an interest or describe a legal entity.
20 Restrictions: Environmental or operational limitations on operations.
21 Land Rights: Rights held to an area of the earth, onshore or offshore, surface or mineral.

Paleontology and Biostratigraphy
22 Paleontology: Results of a paleontological study of fossils found in lithologic samples.
22 Interpretation
22 Ecozones and Environments: Paleontological ecozones or environment definitions.
23 Fossils: Describes fossils and their discovery during analysis.
The PPDM Association was formed in 1989 by a consortium of industry companies and incorporated as a Not-for-Profit Society in 1991. Visit us at www.ppdm.org for information about joining our community.

How PPDM Is Used

Our members use PPDM Data Models in many ways to satisfy their business requirements:

- E&P companies use PPDM in corporate Master Data Management strategies, so that open standards form the core of their data management strategy.
- Members use PPDM as the System of Record for key corporate information systems, so that essential company data is managed in an open standard form, and is not dependent on proprietary vendor specifications.
- E&P companies use PPDM as the data store for a transactional or analytical system, so that working data stores can communicate effectively with each other for life cycle management strategies.
- Software vendors use PPDM to ensure their products meet industry standards, and to shorten their time to market with a high quality product or service.
- In GIS strategies, PPDM allows spatial data to share authenticated attribute information with authorized systems.

About The PPDM Association

Through the PPDM Association, world-wide industry experts gather together in a collaborative, round table approach to engineer business driven, practical data management standards that will meet today’s and tomorrow’s needs. PPDM Version 3.8 is an open, practical and usable standard that is supported by over 100 members.

Supported by strong volunteer participation, the PPDM Association’s low membership fees encourage a large number of companies involved in the oil and gas business to develop data management standards through a structured, open process. Each member is encouraged to be an active participant in the evolution of PPDM standards and participates in determining the business acceptability of each model.

With over 1700 tables in more than 52 subject areas, PPDM Version 3.8 is robust, flexible and powerful. Its module based structure allows users to implement just a few tables or the entire model.

The PPDM Association provides classroom and workshop based training that will prepare teams to understand and implement the PPDM open standards solution.
Units of Measure

Volume Conversions

Exception Management
Reserves Reporting

Reserve Classifications

- Reserve Class
  - Reserve Classification
    - Reserve Class Formula
    - Reserve Class Calc
    - Reserve Class

Reserve Entities

- Reserve Entity
  - Reserve Product
    - Reserve Prod Property
    - Reserve Component
    - Reserve Use
    - Reserve

Reserve Summaries

- Reserve Vol Summary
  - Reserve Vol Revision
    - Reserve Revision Cat

Economics

- Reserve Eco Run
  - Reserve Eco Schedule
  - Reserve Eco Volume

Volume Conversions

- Reserve Vol Rev
  - Reserve Vol Regime

Reporting Hierarchies

- Reserve Hier Type
  - Reserve Hier Desc
  - Reserve Report Base
  - Reserve Report Hier
  - Reserve Report Level
  - Reserve Report Use

Report Hier Type

- Report Hier Desc
- Report Hier
- Report Hier Alias
- Report Hier Level
- Report Hier Use

IHS

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Fugro Data Solutions is a well established international provider of information and data management products and services for the upstream oil and gas industry. We serve our clients from fully staffed offices located in 7 countries with in excess of 250 data management specialists, and have undertaken projects in more than 50 countries over the last 3 years. We have offices based in North Wales, Scotland and the southeast of England, the United States, Canada, Asia, The Netherlands, India, Singapore and the Middle East.

Solutions include: Intelligent Data Storage; National Data Repositories; Data Distribution; Data Hosting; Data Conditioning; Licensing Round Promotion; Enterprise GIS and Training.

Services include: Storage; Inventory and Cataloging; Scanning; Log and Map Digitizing, Processing and Quality Control; Seismic Vectorizing, Post Vectorizing and Quality Control; Tape Transcription and Copying; Data Remediation and Clean-up; Data Loading; Training and Technology Transfer; GIS, Web, Database and Application Development; Strategic High Level Data Management Consultancy.

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