

12th International JODI Conference

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Recent Developments in Energy Market

DATA EXCHANGE STANDARDS AND TRANSPARENCY

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Chief Technology Officer



STATEMENT OF PURPOSE

Energistics is a global, not-for-profit, membership consortium that serves as the facilitator, custodian and advocate for the development and adoption of technical open data exchange standards in the upstream oil and gas industry.





Energistics membership consists of integrated, independent and national oil companies, oilfield service companies, software vendors, system integrators, regulatory agencies and the global standards user community.



Global Influence

energistics®
The Energy Standards

66 North America 36 Western Europe

Africa

Europe

Asia Pacific Middle East

South Asia

Latin America



Global Influence Operators



















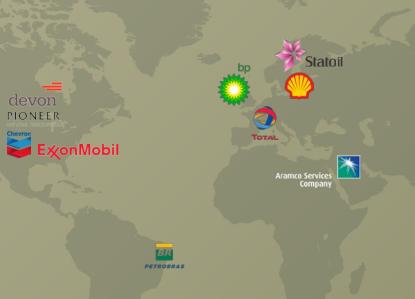








Global Influence
Operators



11
OPERATORS

6

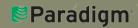


Global Influence Oilfield Services

























Global Influence Oilfield Services





11
OPERATORS

9 OILFIELD SERVICES







Global Influence Regulators

















































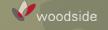




STAATS@LIE







11
OPERATORS

OILFIELD SERVICES

NEW ZEALAND PETROLEIA & MAREDALA



Global Influence Industry-wide



Schlumberger TNO Imposation for life to the Aramco Services Company



11
OPERATORS

OILFIELD SERVICES

16

REGULATORS

66°

SOFTWARE VENDORS

15

ASSOCIATIONS

woods dO

MEDIA PARTNERS



UNIVERSITIES

Standards provide requirements, specifications, and guidelines that are used to ensure that processes, products and services are fit for purpose.





- >> PRODML, WITSML, RESQML
- Standards Leadership Council
- National Data Repository Meeting



The Joint Oil Data Initiative

















Trends in the Data Supply Chain

- Data quality and data volume management
- Emphasis on real-time analysis and decision-making
- Ascendance of "Big Data"
- >> Update of standards as a solution



The Case for Standards

- Data quality and data volume management
- > High risk, high cost development projects
 - Low price regime
- Inconsistent regulatory environment
- Member participation

Kinds of Standards

De Jure – mandated by an authority







Kinds of Standards

- De Jure mandated by an authority
- De Facto wide acceptance but not officially required





Kinds of Standards

- De Jure mandated by an authority
- De Facto wide acceptance but not officially required
- Consensus formal agreement among parties

INTERNATIONAL STANDARD

ISO/IEC 9899

Second edition 1999-12-01

Programming languages — C

Langages de programmation — C

PRA

Processed and adopted by ASC the National Committee for Information Technology Standards (NCITS) and approved by ANSI as an American National Standard.

ANSI as an American National Standard.

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Consensus standards processes

- Closed consensus only members participate
- >> Open source no membership the public creates
- >> Open consensus members and public participate

>> Free or pay to read? Free or pay to use?



The Benefits to JODI for Standards

- Simplified data collection for regulatory reporting
 - Commercial app support
- More consistent nomenclature, units
- Easier to tell apples from oranges



Thank You ANY QUESTIONS?

