



12th International JODI Conference

8-10 April 2015, New Delhi, India

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



Global Influence Operators



devon



PIONEER
NATURAL RESOURCES



ExxonMobil



Aramco Services
Company



woodside



Global Influence Operators

devon
PIONEER
Chevron
ExxonMobil

bp
Statoil
Shell

TOTAL

Aramco Services
Company

BR
PETROBRAS

woodside

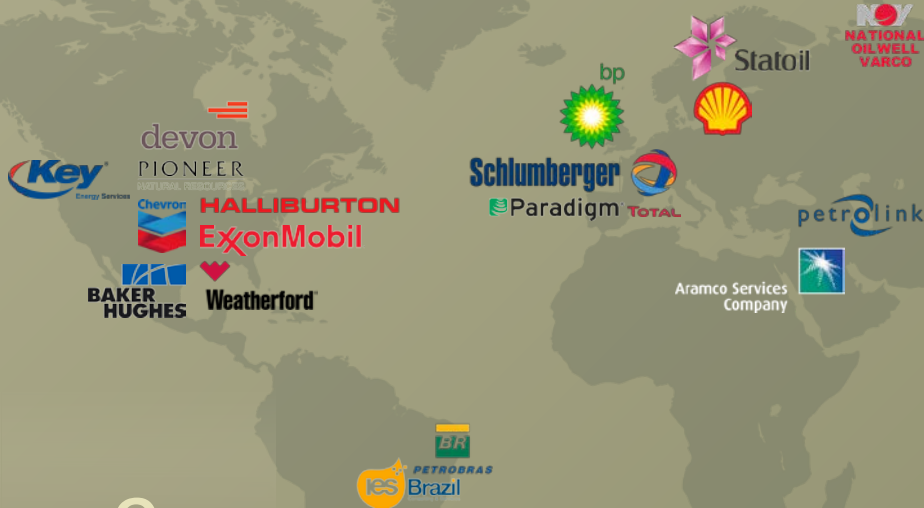
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OPERATORS

Global Influence Oilfield Services



Global Influence Oilfield Services



11

OPERATORS

9

OILFIELD
SERVICES

Global Influence Regulators



Global Influence Regulators



11

OPERATORS

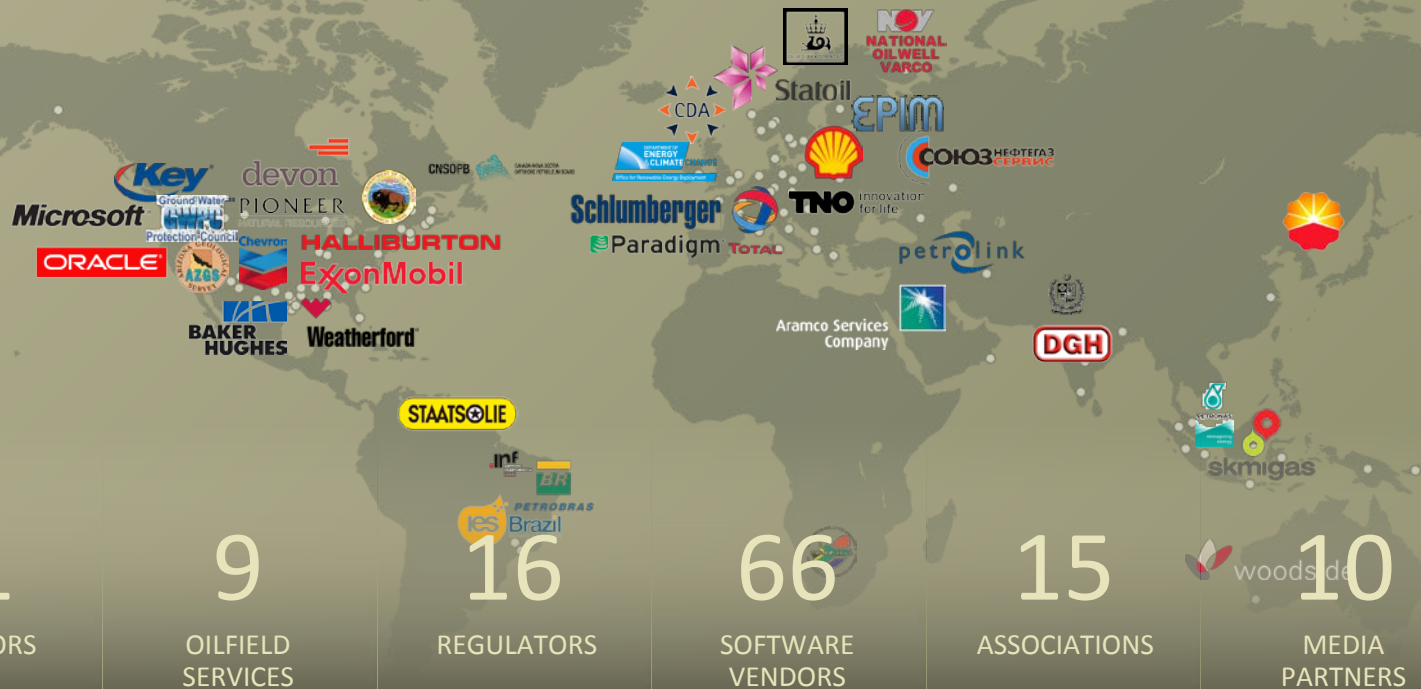
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OILFIELD
SERVICES

16

REGULATORS

Global Influence Industry-wide



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



energistics®
The Energy Standards
Resource Centre

Leading Industry Initiatives

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

The Joint Oil Data Initiative

Mieke Reece
IEA



Trends in the Data Supply Chain

- » Data quality and data volume management
- » Emphasis on real-time analysis and decision-making
- » Ascendancy 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

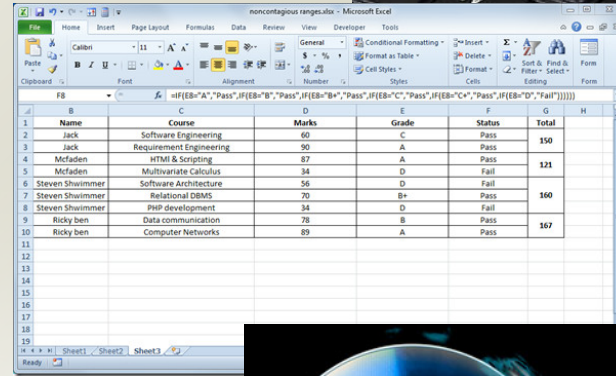
Kinds of Standards

- » De Jure – mandated by an authority



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- » De Facto – wide acceptance but not officially required

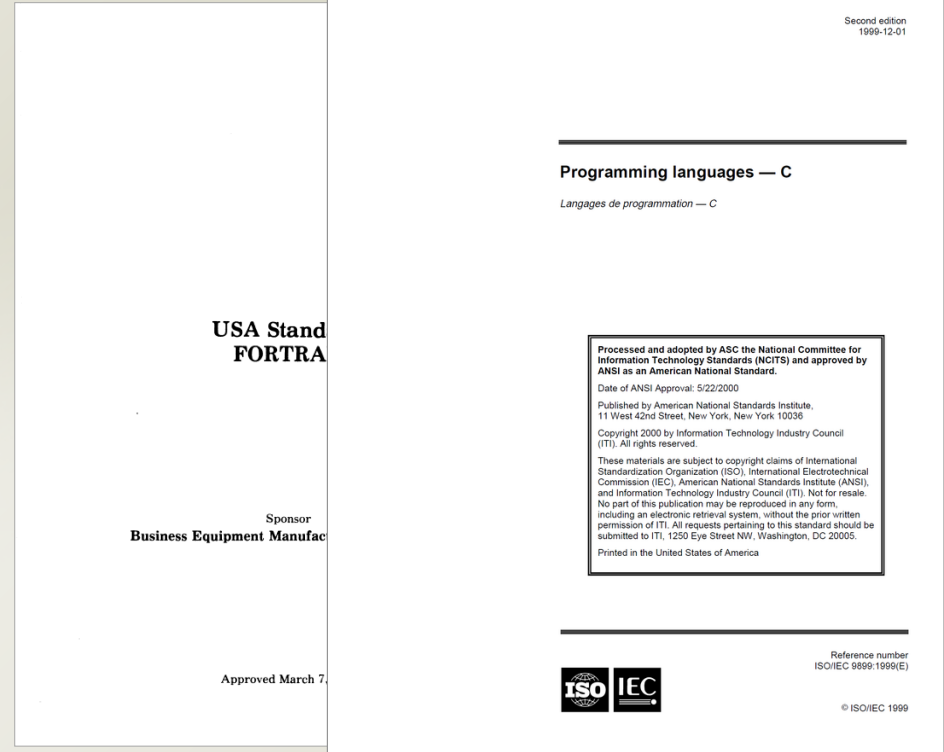


Name	Course	Marks	Grade	Status	Total
Jack	Software Engineering	60	C	Pass	150
Jack	Requirement Engineering	90	A	Pass	
McLaden	HTML & Scripting	87	A	Pass	121
McLaden	Multivariate Calculus	34	D	Fail	
Steven Shuimmer	Software Architecture	56	D	Fail	
Steven Shuimmer	Relational DBMS	70	B+	Pass	160
Steven Shuimmer	PHP development	34	D	Fail	
Ricky ben	Data communication	78	B	Pass	
Ricky ben	Computer Networks	89	A	Pass	167



Kinds of Standards

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



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?