

ISO 15926 Realtime Interoperability Network Grid

PCA-FIATECH IDS-ADI iRING

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Bechtel

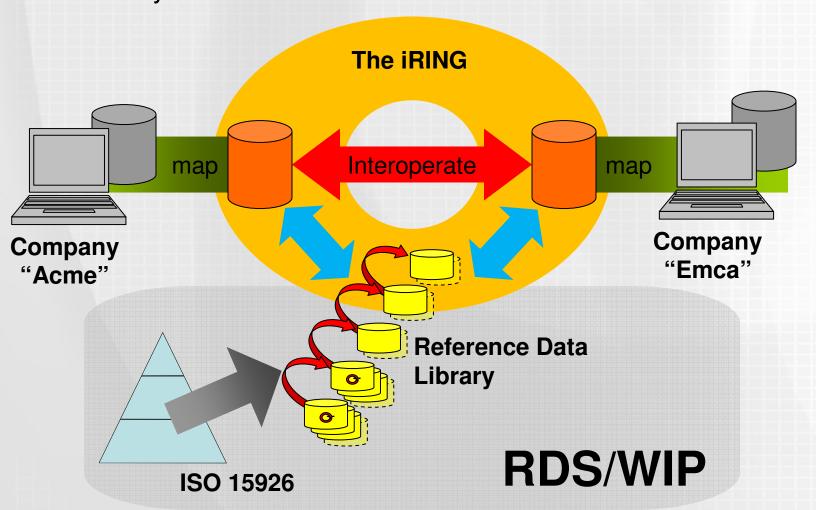
Central Engineering & Technology



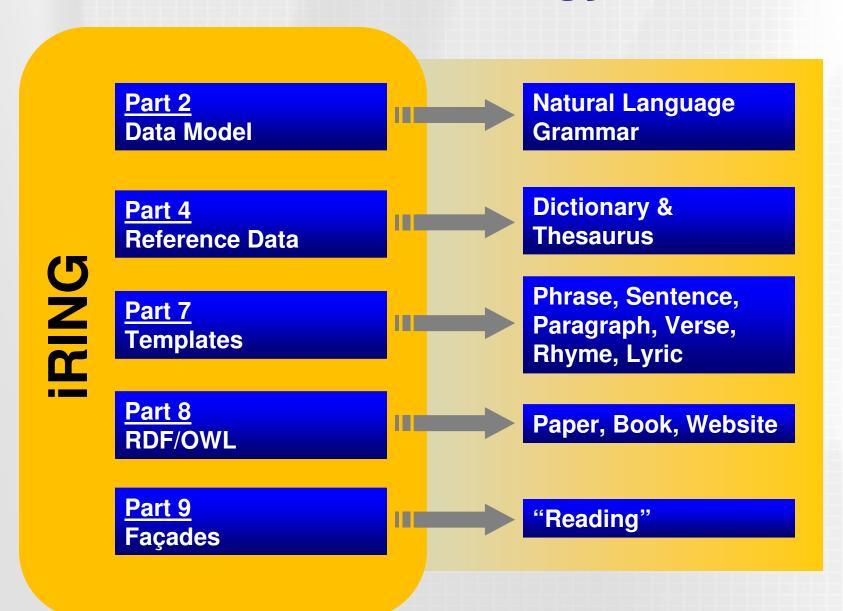
Improve Your Interoperability

Start with ISO 15926!

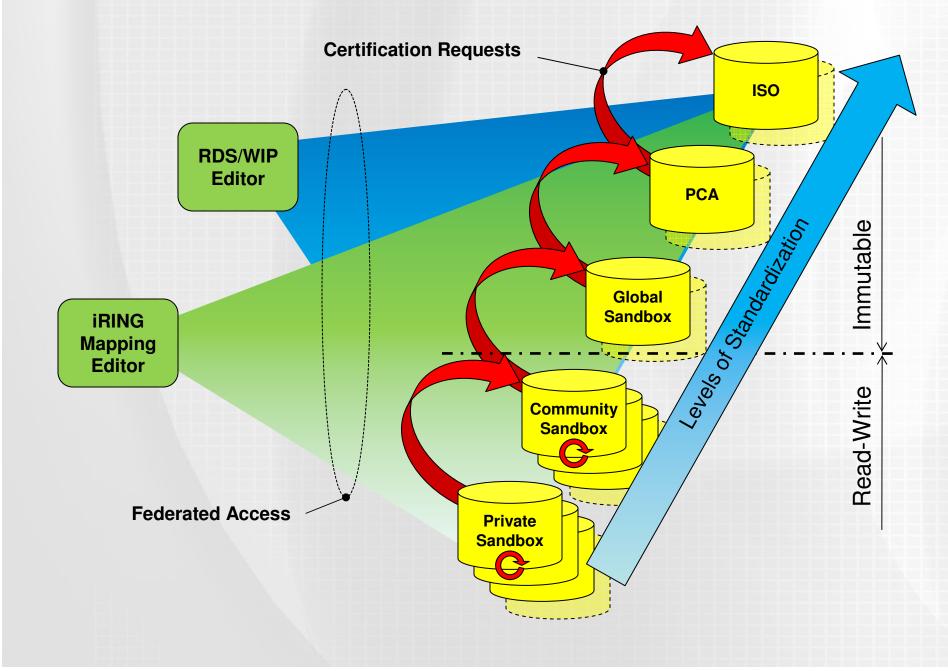
ISO 15926 is a standard for interoperability and the integration of lifecycle information



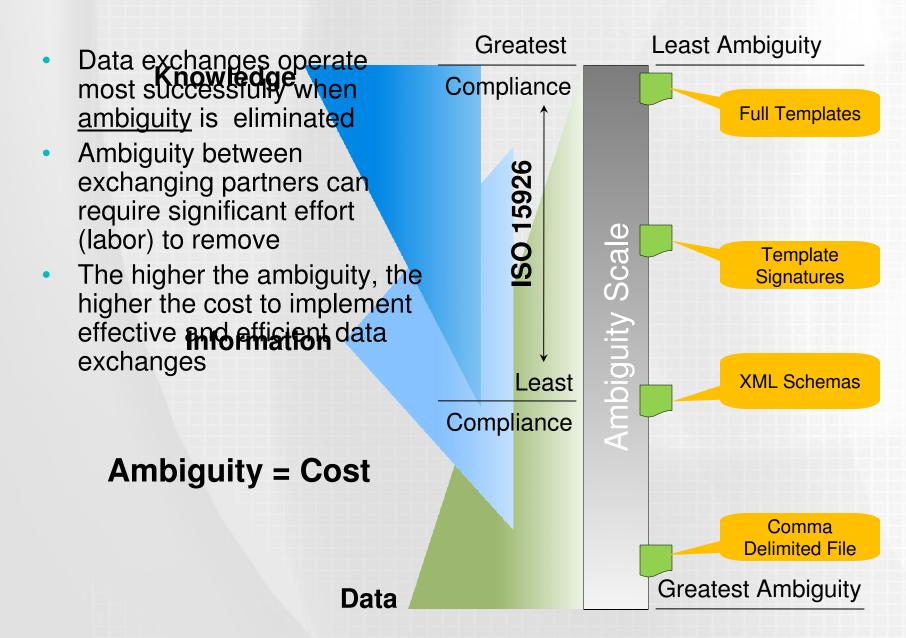
ISO 15926 "Parts" Analogy



Reference Data Federation

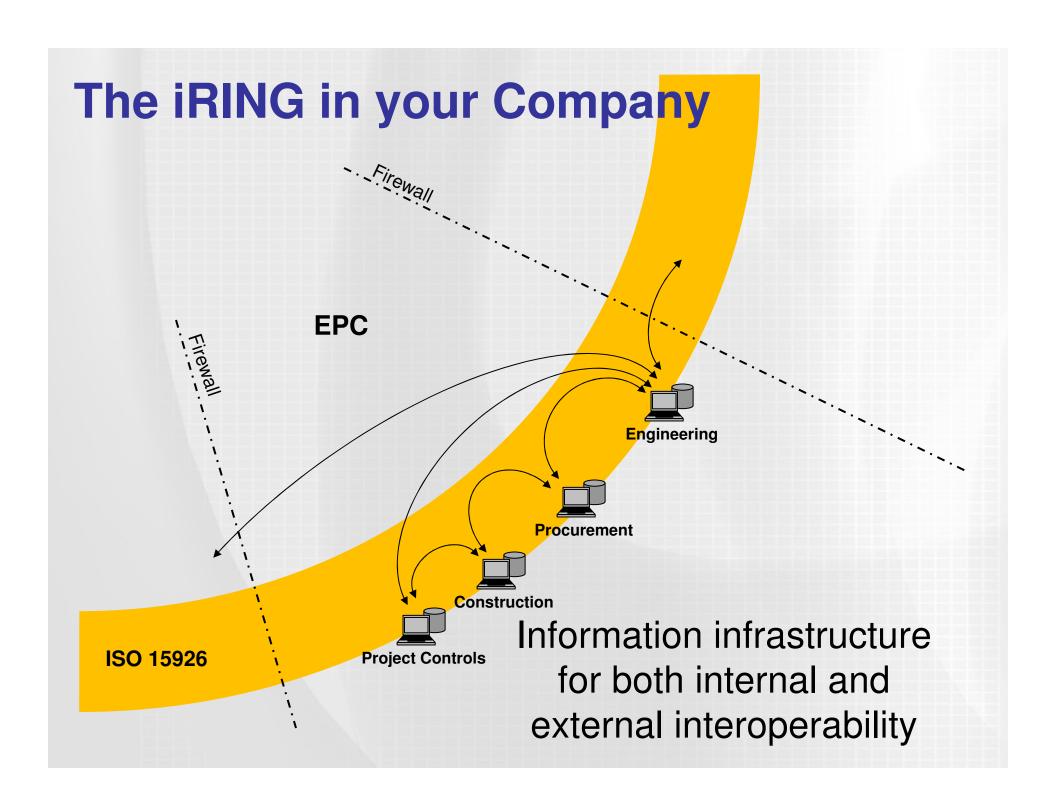


Information Ambiguity





ISO 15926 Realtime Interoperability Network Grid



Collaboration is the Key

- To develop the standard
- To build the reference data
- To develop and test prototypes
- To create production software
- Gain access to the experts
- Share the costs
- Leverage knowledge
- Common problem for all
 - Glass is half full or glass is half empty?

www.iringug.org

iring



iRING – A set of information interoperability and integration protocols and reference data that are compliant with the ISO 15926, Parts 7, 8, & 9 standards, which builds and depends on ISO 15926 Parts 1 - 6.

PING

USER GROUP

http://iringug.org

iRINGUserGroup - An open online community of users, companies, and organizations who use, are considering using, or are developing or deploying iRING protocols.
 The iRINGUserGroup is also responsible for the management, enhancement, and maintenance of iRINGTools and iRINGSandbox.



http://iringtools.org

iRINGTools - A set of free, public domain, open source (BSD 3 license) software applications and utilities that implement iRING protocols. iRINGTools provide users with production ready deployable solutions. iRINGTools also provides technology solution providers with usage patterns for the implementation of iRING protocols in their respective solutions.



http://iringsandbox.org

iRINGSandbox – An internet hosted, publicly accessible and publicly downloadable, *iRING* reference system that will showcase the use of *iRINGTools* and other technology solution provider's products that implement *iRING* protocols. This reference system will also include an example *iRING* community sandbox that will hold ISO 15926 RDL extensions.



Overview

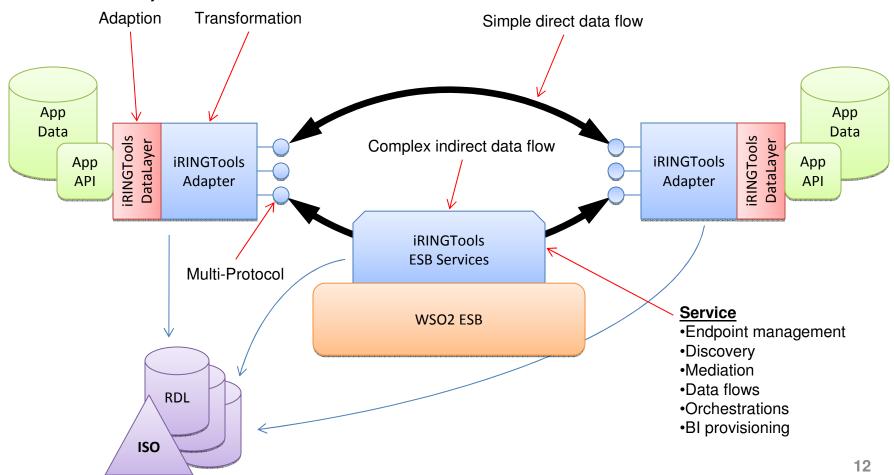
iRINGTools – Big Picture

iRINGTools Products

- •iRINGTools Adapter
- •iRINGTools ID Generator
- •iRINGTools Services
- •iRINGTools DataLayers

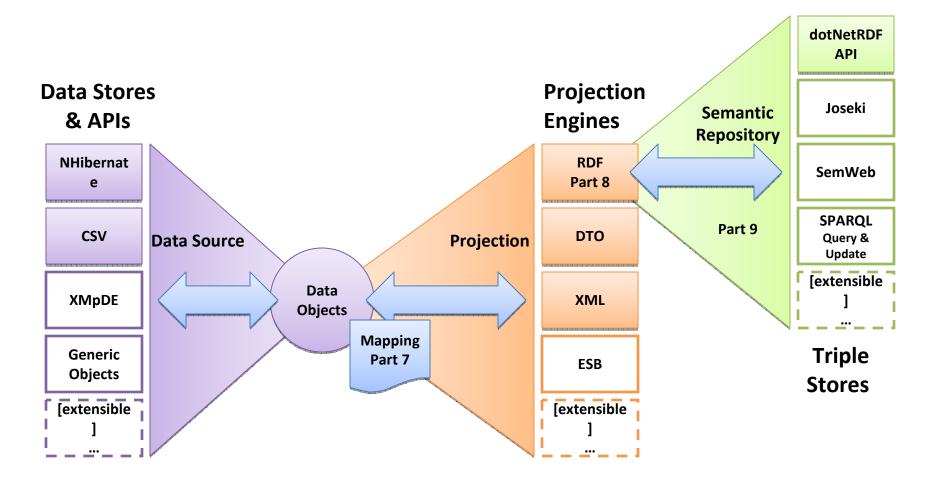
Current DataLayers

- NHibernate
- Excel
- SQL Database





Adapter Framework



2010 Demonstrations

- Digital Plant 2010
 - iRINGUserGroup
 - iRINGTools/Bentley demonstration
- Private Demonstrations
 - Bechtel
 - Hatch
 - Emerson
- FIATECH Conference 2010
 - − Bechtel□ Emerson
 - − Bentley□ Hatch
 - CCC □ Intergraph
 - − CH2M Hill□ TCS
 - Dow

FIATECH iRING Demo





PCA Instrument SIG Workshop

- Two week workshop at Bechtel's office in Frederick,
 MD, USA
- Companies in attendance

BechtelHatch

BentleyPCA

Dow*Rosatom

– Emerson – Sudoexport*

– Fluor*– Tecgraf

— GlencolS* — TechInvestLab*

PCA Instrument SIG Workshop

Objectives

- Harmonize and align ISO 15926 modeling methodologies
- Review existing set of Instrument reference from EqHub and Emerson
- Present the JORD project
- Demonstration of reference data and modeling methodology via iRINGTools
- Scope future Instrument extensions to the reference data

Deliverables

- Beginners Guide to ISO 15926 Modeling
- Active Instrument SIG to consolidate EqHub, Emerson, and others
 Instrument reference data
- https://www.posccaesar.org/wiki/SigInstWorkShops



Comments on SIG's

- We need to establish more SIGs
- SIGs are a community of experts that begin the process to raise newly created reference data towards ISO certification
- SIGs, via the PCA/FIATECH MoU, should be done with wider participation
- If you are interested in ISO 15926 Get engaged in SIGs!
- If you don't find the SIG you are looking for start one!

Questions?