

Enterprise Interoperability Centre (EIC)



***Addressing the Challenges of
Business Process Interoperability***

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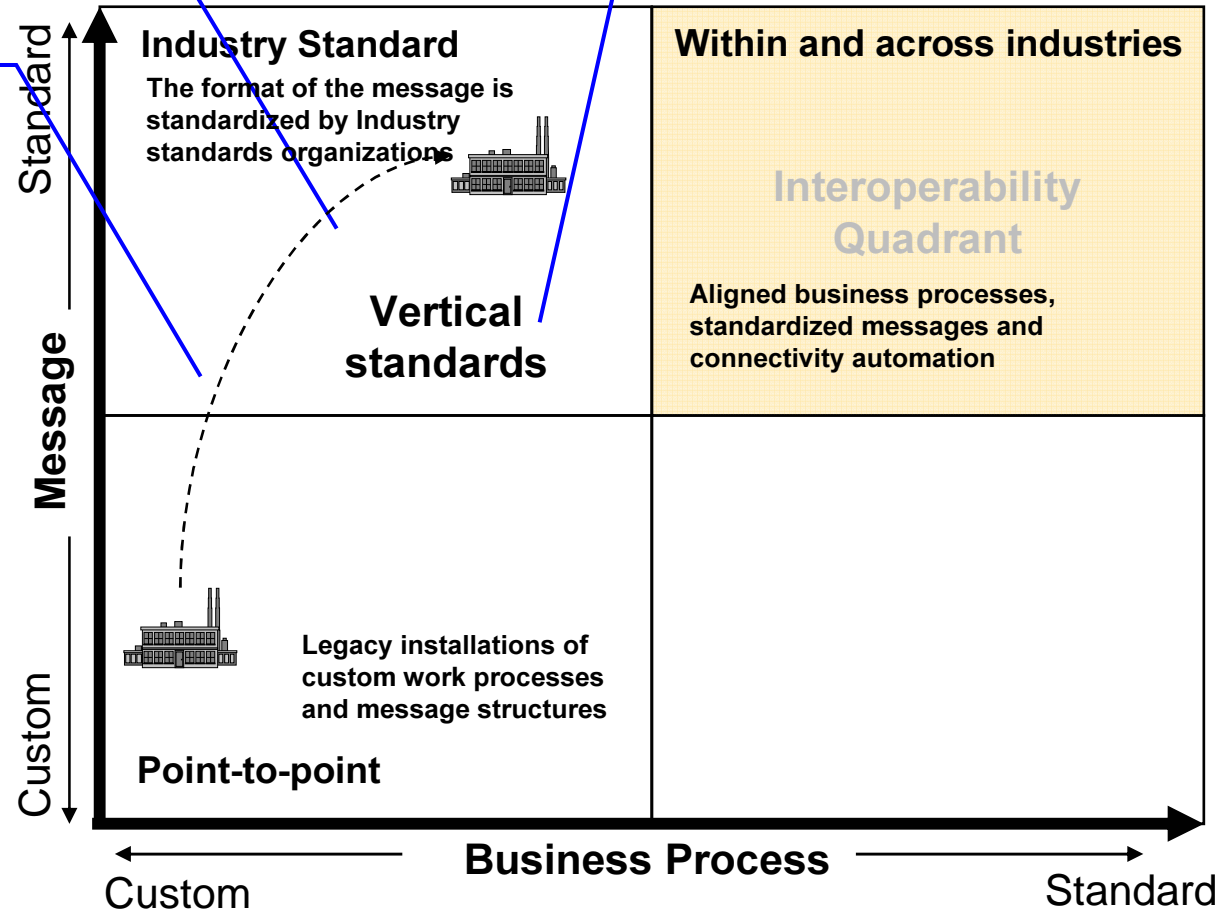
Framing the Problem

1. Vertical standards organizations move companies so far along this line

2. Other companies must follow the same path for this to work

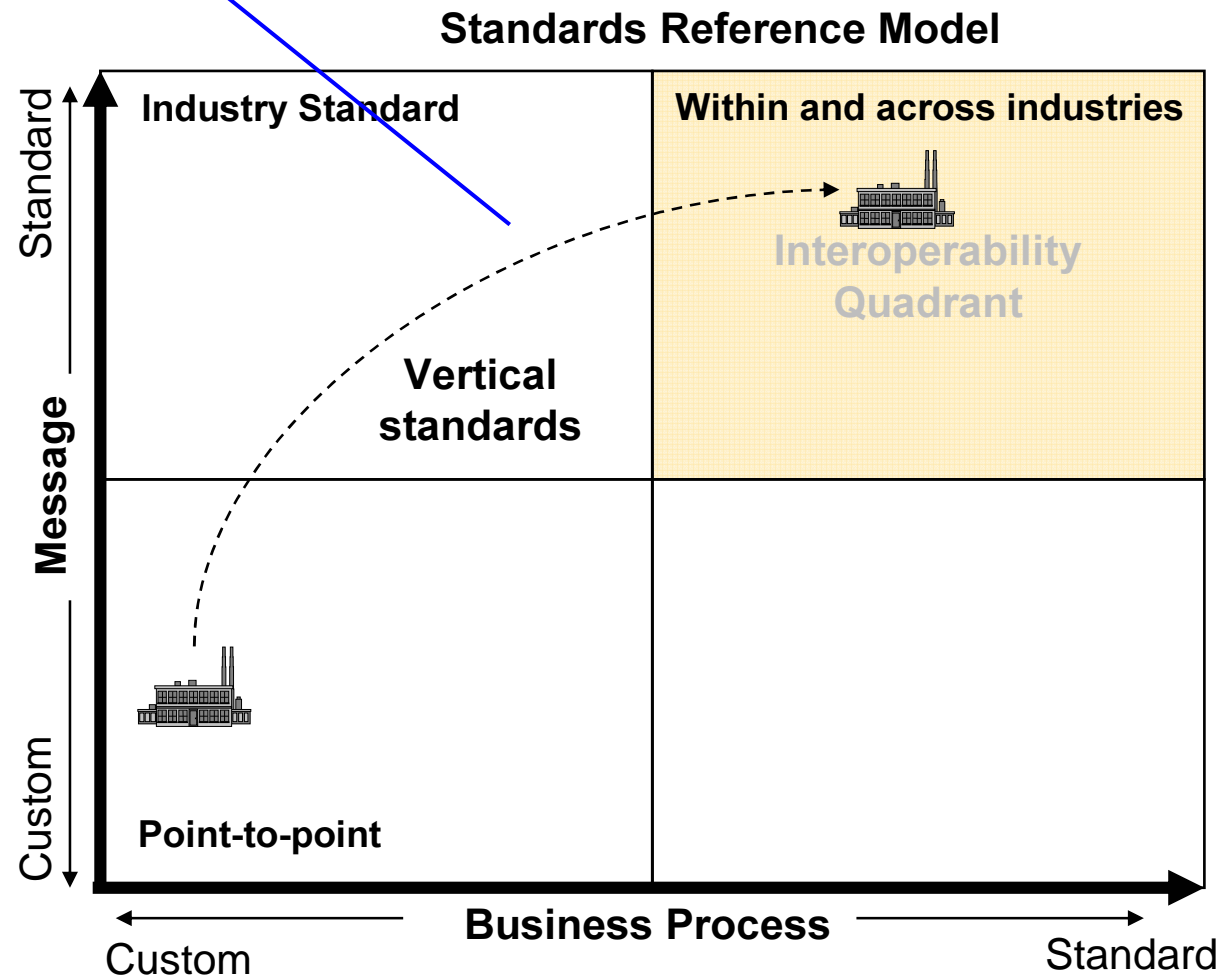
3. The proliferation of vertical standards has made even this movement difficult

- The reference model aligns the critical factors of integration on two axis – messages (semantics) and business processes
- To simultaneously address cost and complexity, both messages and processes must be standardized




Standards and the EIC

The EIC defines a standardized business process and also selects the optimal vertical industry standards by defining a profile



The Enterprise Interoperability Center (EIC)

The EIC defines and applies integration methodology and tools leveraging existing standards where possible to define common public business processes for achieving interoperability of networked organizations across multiple industries.

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- Addressing the business and technical aspects of a common public process
 - Leveraging existing technology, applications, research and standards
 - Defining architectures, methodologies, guidelines, best practices, semantics and interfaces
 - Validating an Interoperability Profile by building prototype implementations of real-world business scenarios defined by precise requirements
 - Promoting a community for training, conformance testing, analysis and other services to facilitate broad adoption in the community

Profiling – Standards Interoperability

□ Major goals:

- Identification and selection of open business standards to be combined for a particular end-to-end process scenario
- Facilitate interoperability between standards
- Identification of standardisation gaps and feedback into SDOs to trigger standards initiative for closing the respective gaps
- Reference implementations

□ Process for identification of standards for a profile:

- Selection of standards
 - ◆ Select most appropriate standards amongst those addressing a particular concern
 - ◆ Focus on marketplace needs and requirements
- Composition approaches
 - ◆ Specify minimal set of combinations that is useful to meet the requirements
- Feature alternatives
 - ◆ Select between alternative features or alternative composition approaches

Development Process for Interoperability Profiles

Solution Providers

Business Forums

- Profiling
 - Identifying business process requirements
 - Producing Interoperability Profiles defining solutions to business process requirements
- From vertical to cross-industry

Use case:

- Scenarios that convey how the various participants in a system should interact to achieve a specific business goal
- Typically avoids technical jargon, preferring instead the language of the end user or domain expert

Business Process:

- Recipe for achieving a result
- Contains inputs, method and outputs
- Not intended to be the “definitive” business process but must be a complete one that satisfies the scenarios described in the use case

Interoperability Profile:

- Describes a set of standards and profiles for solution to business process to be created
- Describes deficiencies in standards, including any messages specified - three categories: 1) problems within a specific standard; 2) interaction between standards; 3) missing standard

Users, Interest Groups

Process Abstraction Concept

