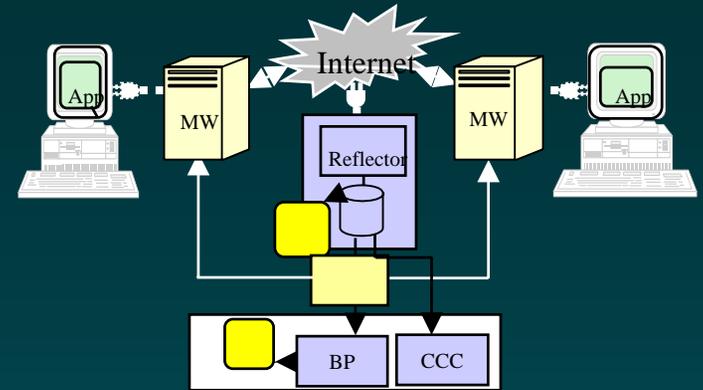


OAG/NIST B2B Testbed Overview



Meeting with ETeB Delegation
November 24, 2003

Nenad Ivezic, Serm Kulvatunyou, Buhwan Jeong, Simon Frechette, Al Jones
Manufacturing Systems Integration Division
National Institute of Standards and Technology, USA

An Industry Business Case: Inventory Visibility and Interoperability

Cost Avoidance if AIAG Recommendations are Implemented

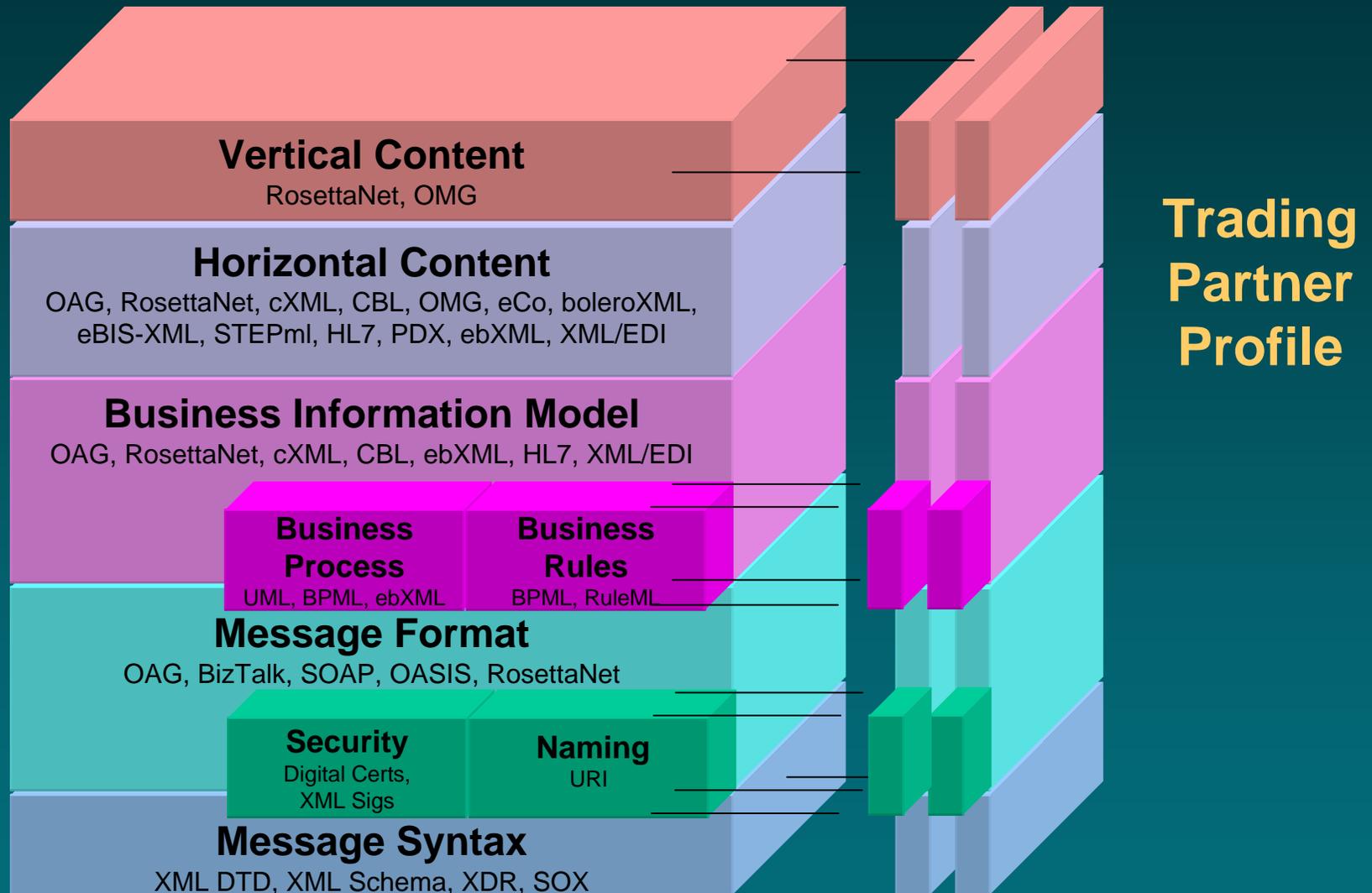
Yearly Cost Avoidance	Net Incremental Savings
Subscription Costs to Support	\$386,640,000
Implementing and Admin of Multiple Visibility Tools	\$112,620,000
Integrating Visibility Tool into ERP	\$17,147,200

Potential Savings Once AIAG Recommendations are Released

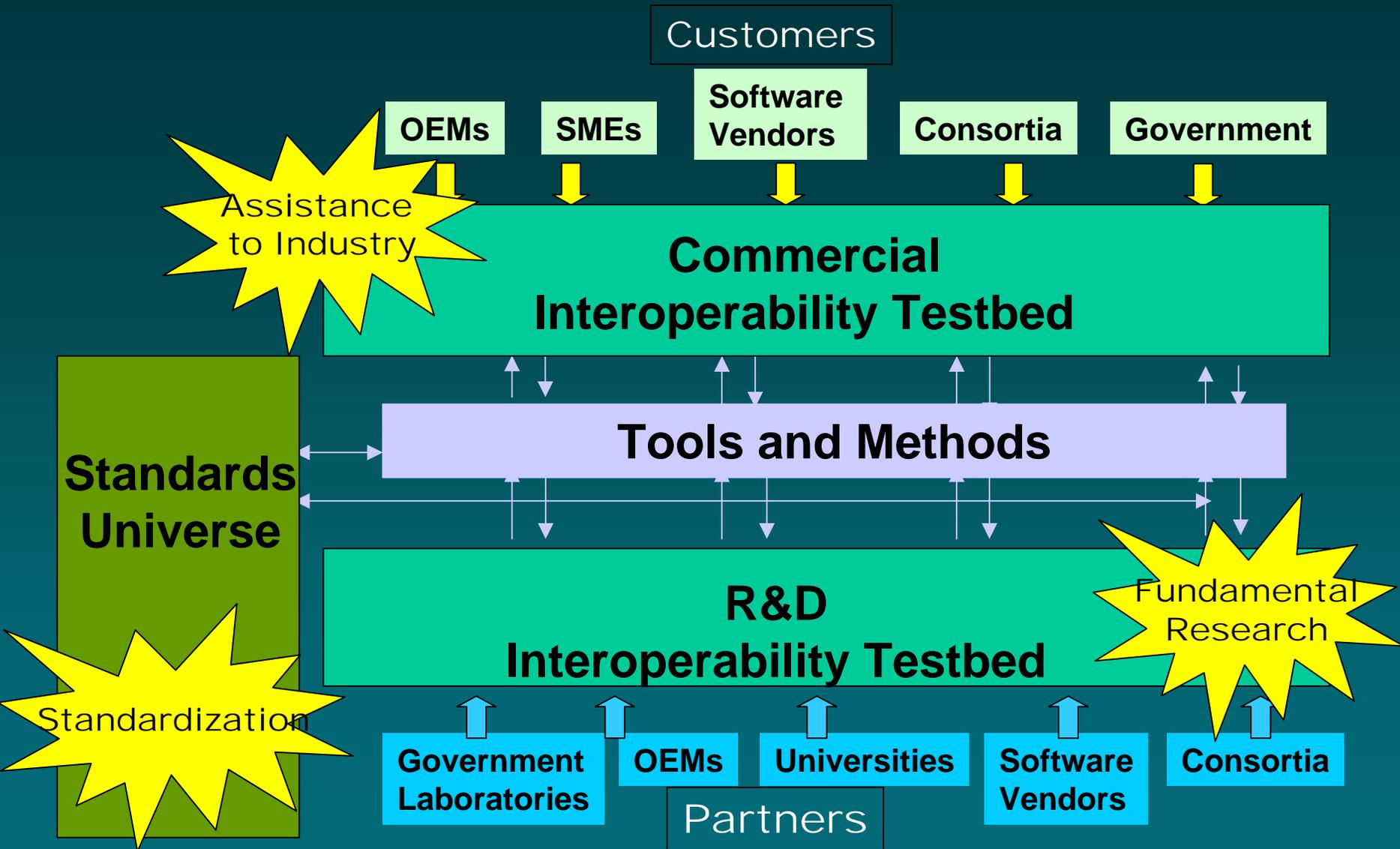
Cost Savings	Net Savings
Reduction of Premium Freight	\$ 20,922,000
Savings on Reduction in Inventory	\$274,000,000

Based on Work Group estimates

Multiple and competing standards



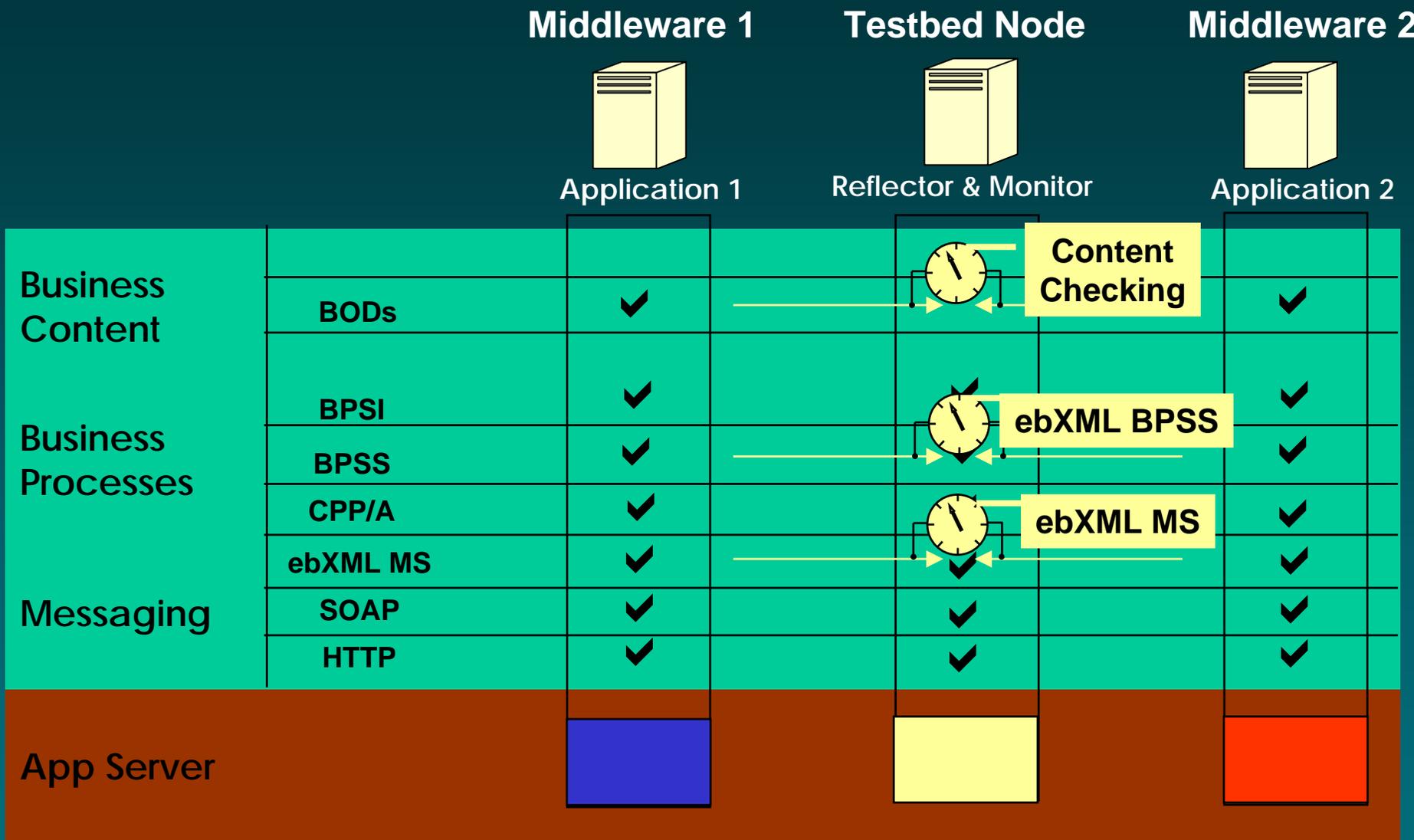
Overall NIST Testbed



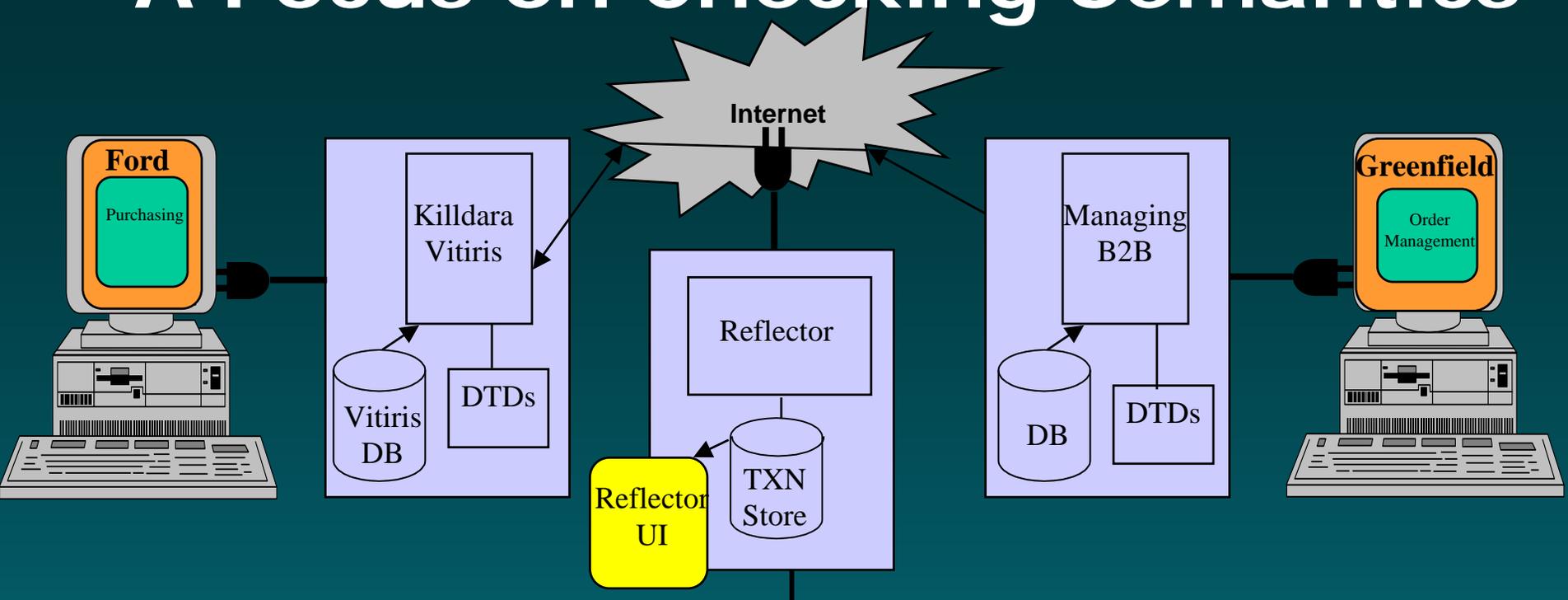
OAG/NIST Testbed Participants

- **Vendors**
 - BC Emergis
 - Fujitsu
 - QAD
 - SAP
 - Sterling Commerce
 - Sun
 - Sybase
 - Accordare
 - Drake Certivo
 - Digital Evolution
 - iWay
 - Yellow Dragon
 - Procede
- **Standards Organizations**
 - OAG
 - ebXML IIC TC (OASIS)
 - UN/CEFACT
- **Users**
 - Covisint
 - GM
 - Ford
 - Nissan
 - Toyota
 - Lockheed Martin
- **Industry Consortia**
 - AIAG
 - STAR/XML
- **Government**
 - USAF
 - NIST

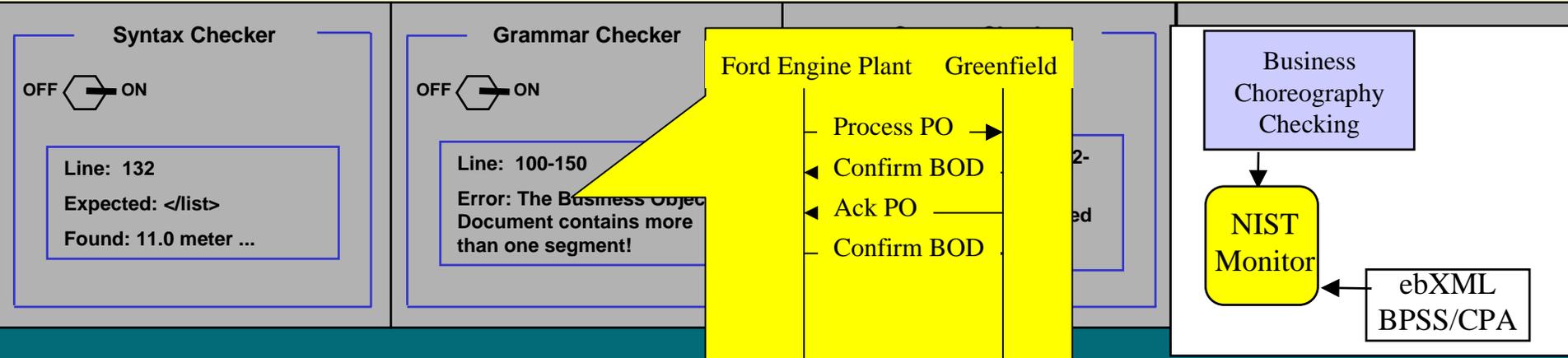
Testbed Interoperability Stack



A Focus on Checking Semantics



INFORMATION FLOW MEASUREMENT INSTRUMENT

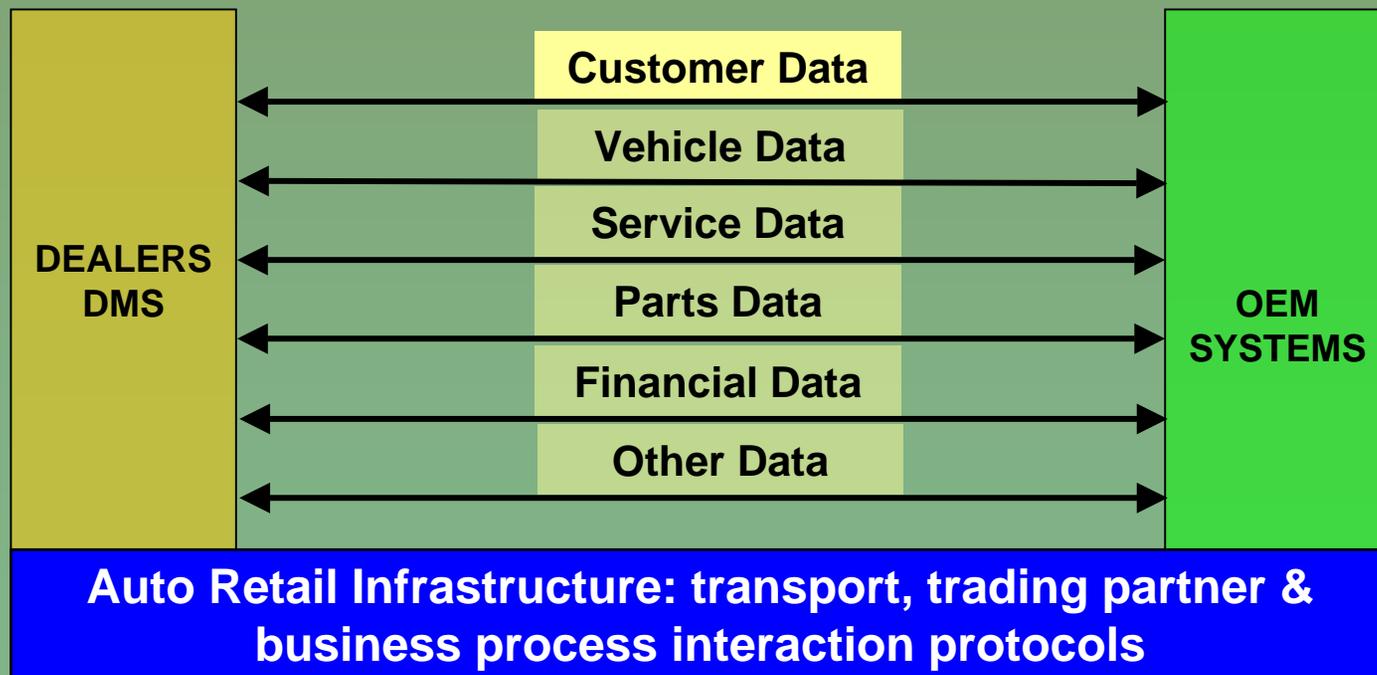


OAG/NIST Testbed Case Studies

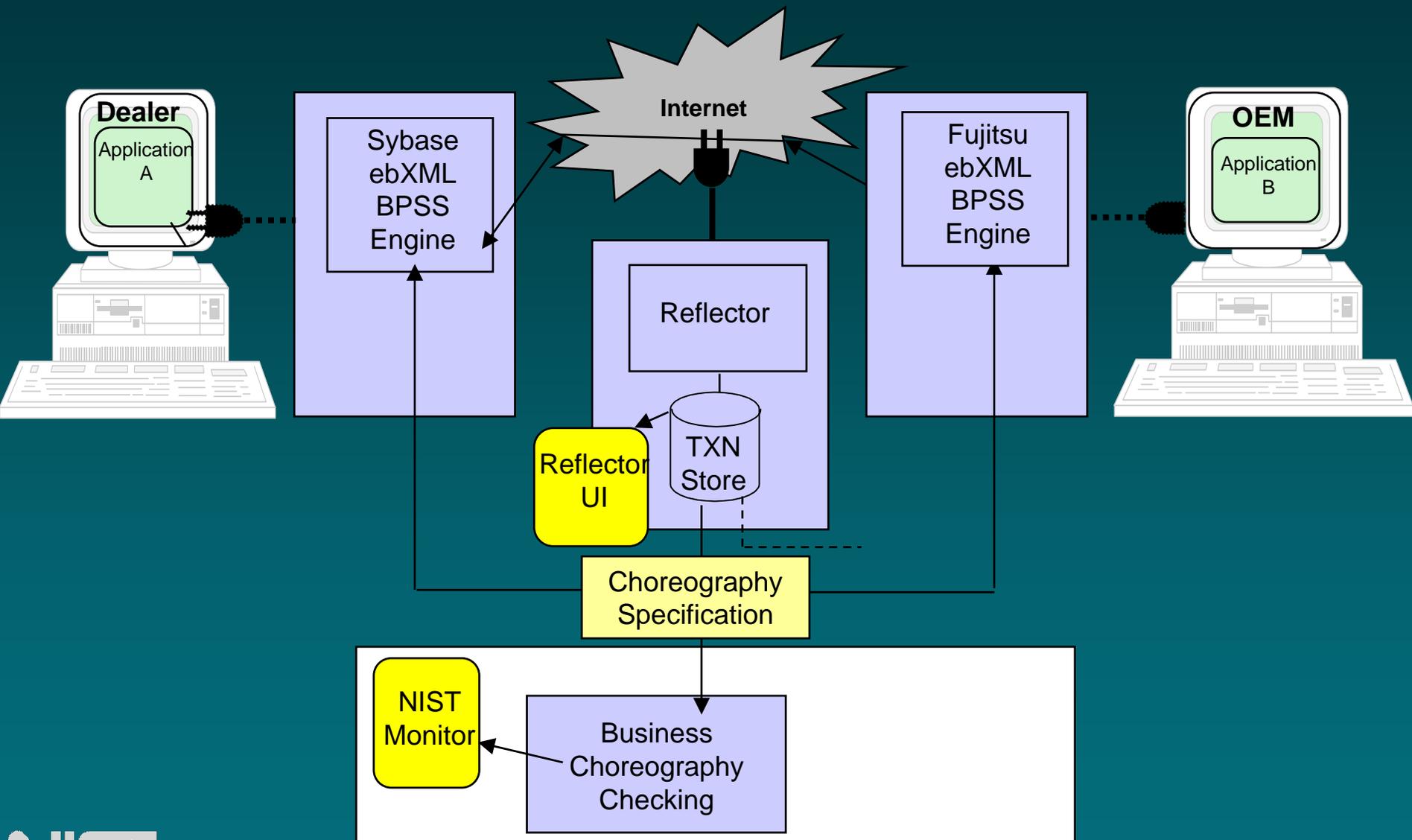
- STAR ebXML BPSS Pilot Test
- Auto-Tech 2003 Demo
- USAF Schema Design Quality Checking
- Automotive Inventory Visibility and Interoperability

Assessing B2B interoperability: STAR XML

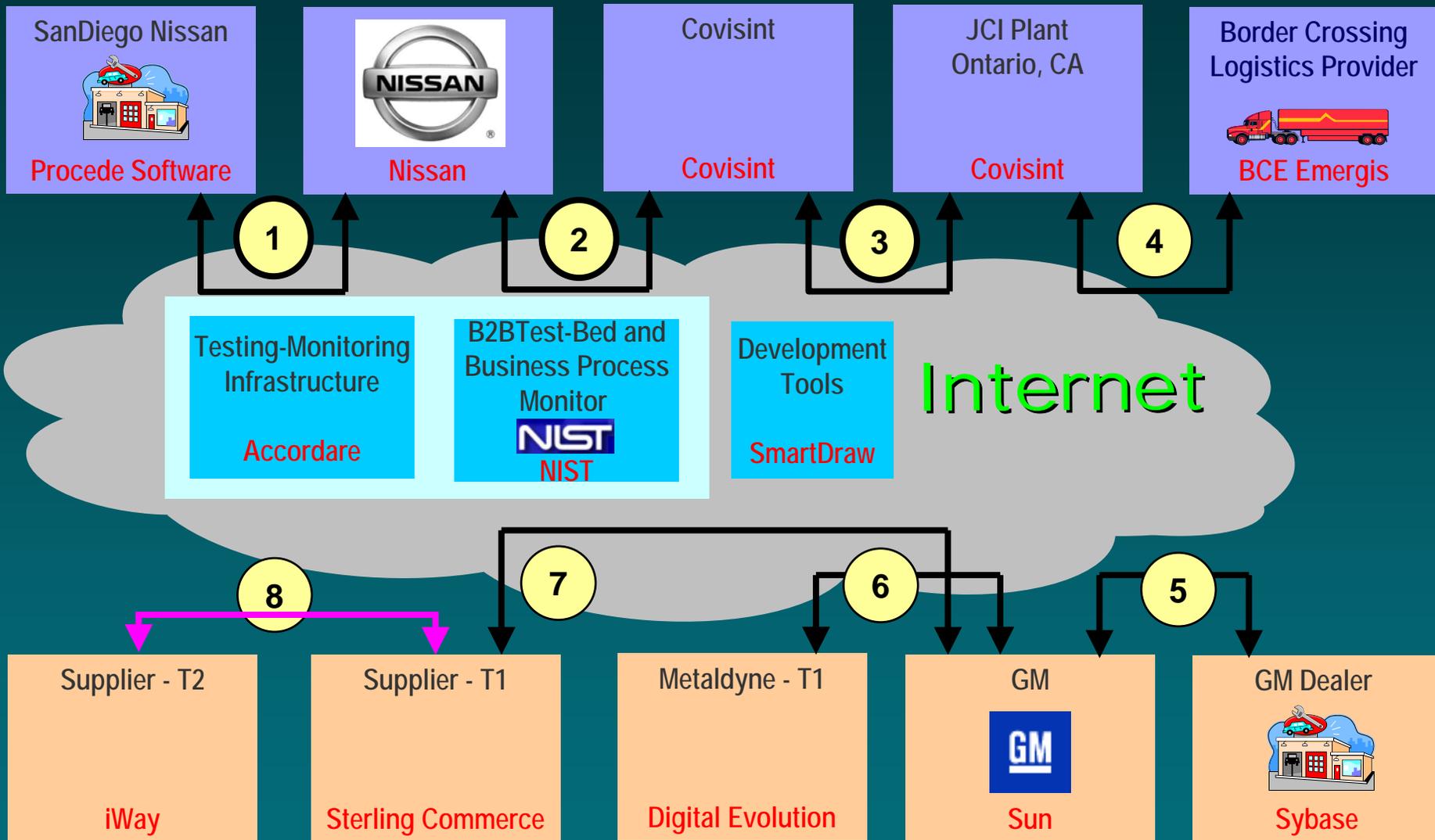
Focus: Secure, automated interchange of auto retail business data over a TCP/IP-based infrastructure using industry consensus protocols



STAR/XML BPSS Test Architecture

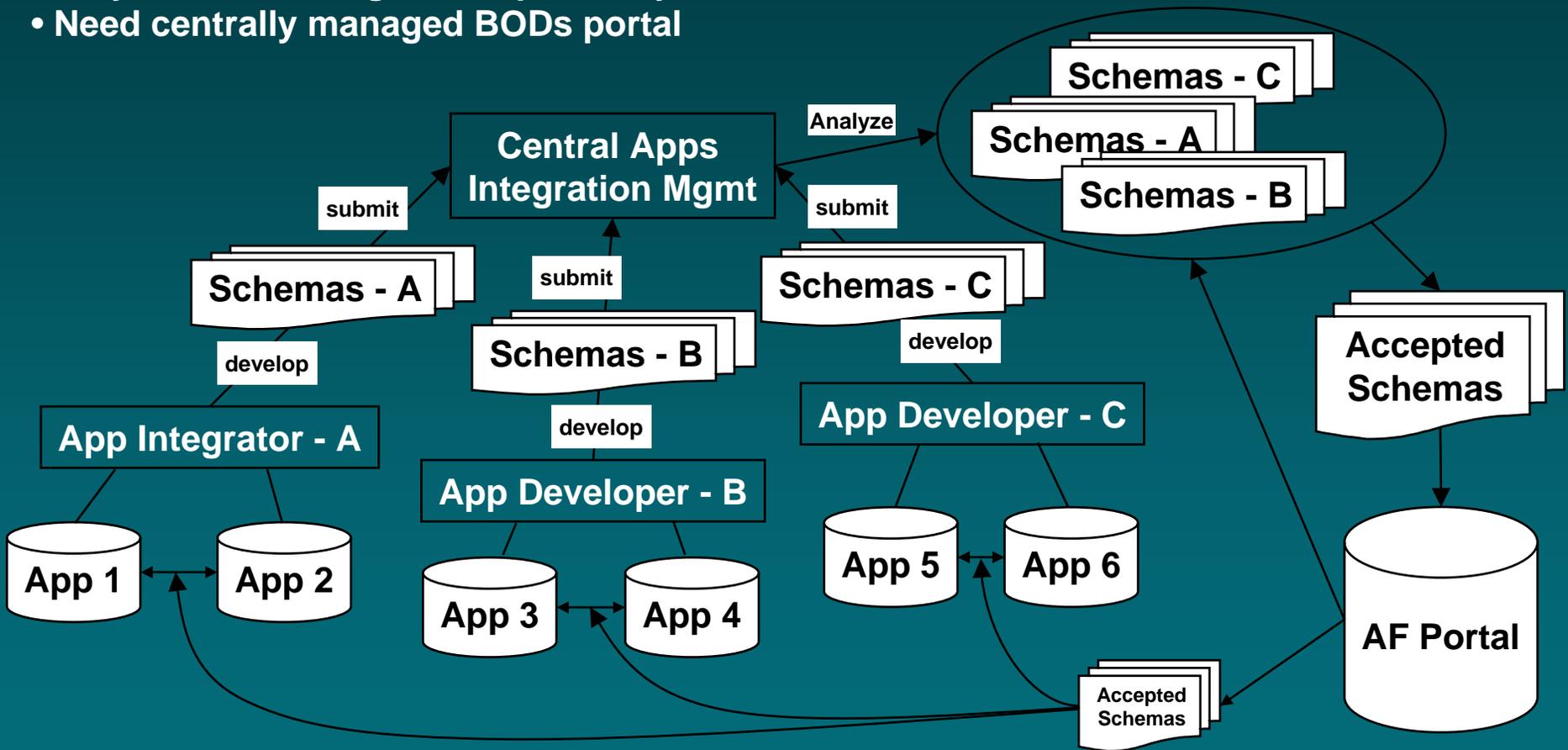


Auto Tech 2003 Demo

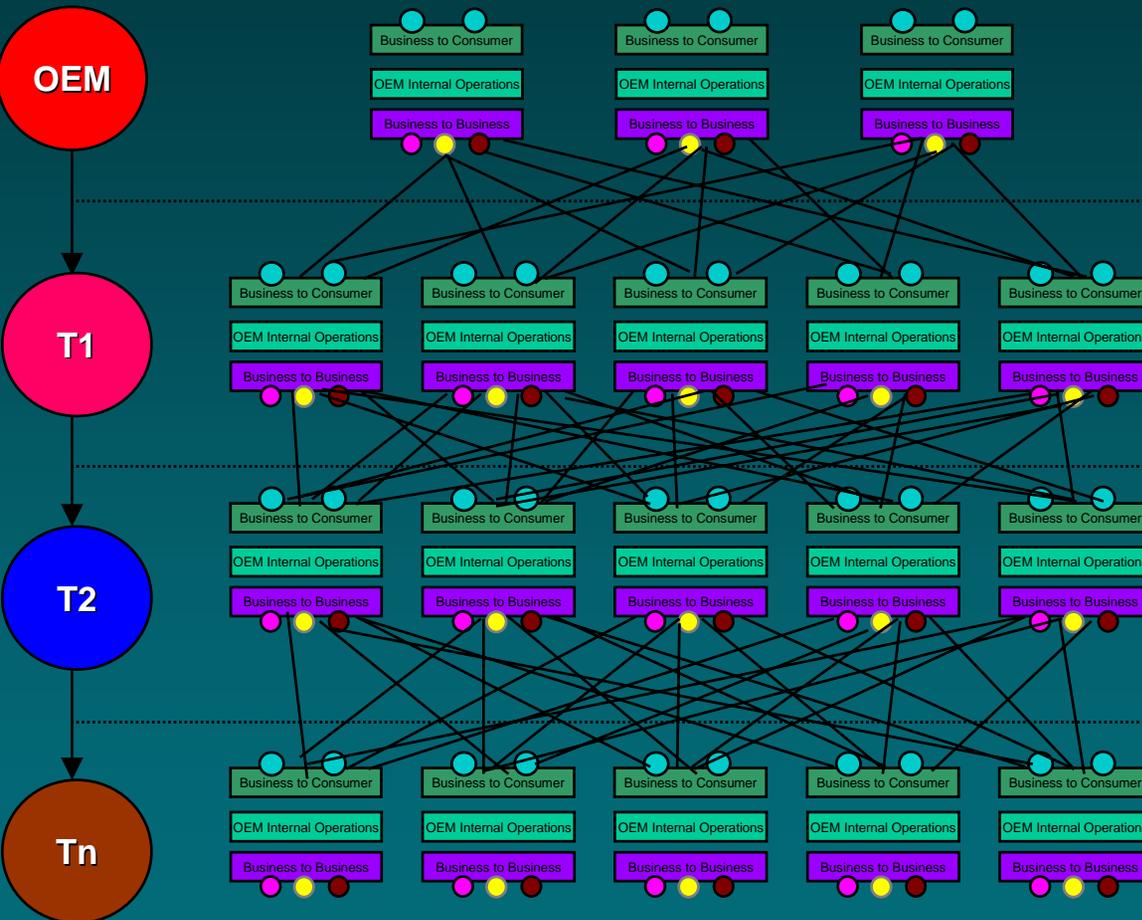


USAF Schema Quality Check Motivation

- AF Logistic Integration
- At least 78 systems in the Supply and Maintenance functional pillar only -> 1500 p2p
- AF logistics has 15 functional pillars
- Very hard to manage interoperability
- Need centrally managed BODs portal



A Current Project: Inventory Visibility and Interoperability

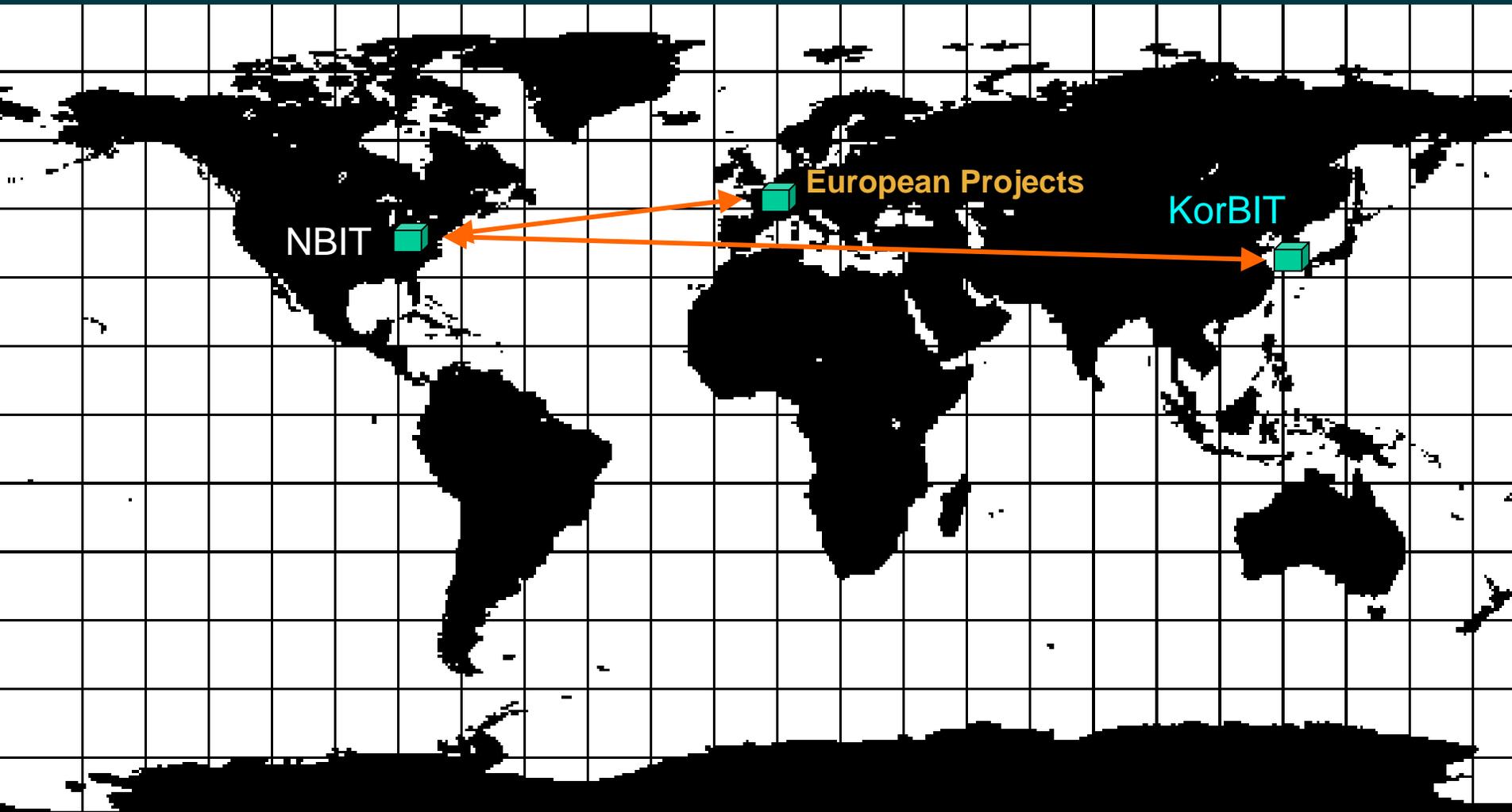


Customers allow suppliers visibility to key data to make operational decisions and support customer build.

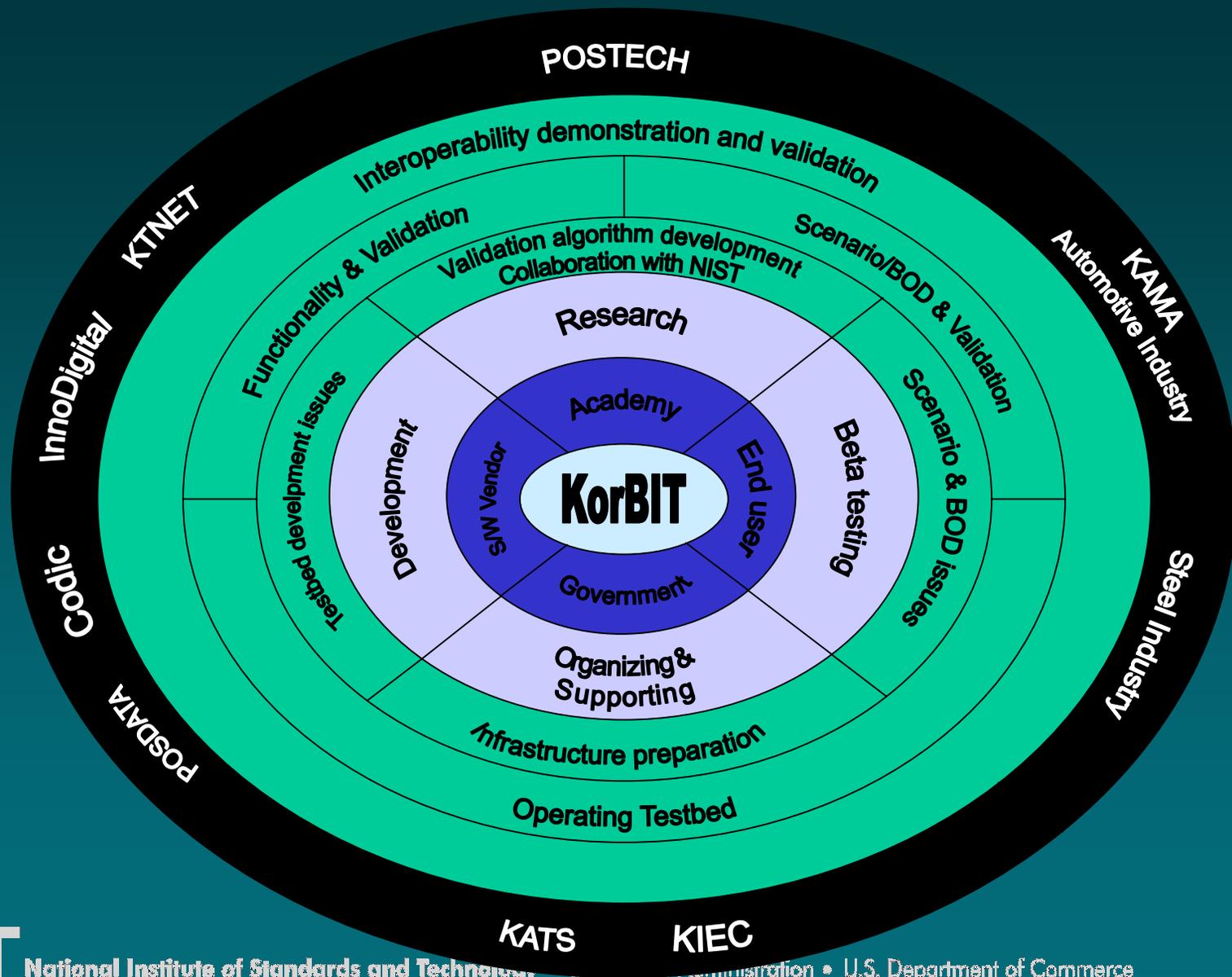
Facilitate/simplify the use of inventory visibility tools through interoperability, allowing companies to subscribe to a single tool of their choice

Source: CGEY, January, 2003

International Collaboration



Korean B2B Interoperability Testbed Consortium



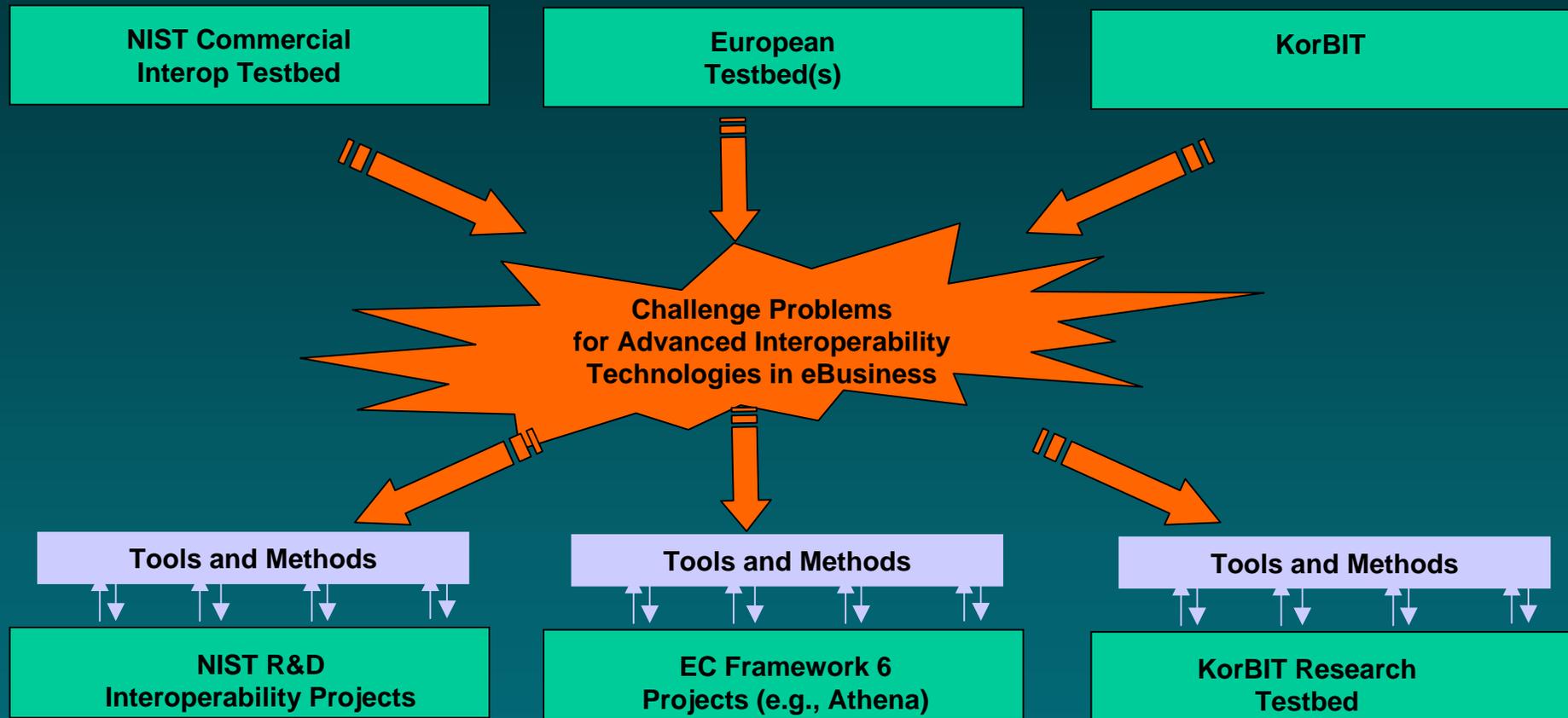
Ultimate Goal



Potential European Collaborations

- Framework 6 Projects: Athena, Interop
- DG Enterprise Testbed Projects
- ETeB Project

A Proposed International R&D Collaboration



Conclusion

- Value proposition
 - Minimize cost of demonstrating/testing interoperable B2B solutions
 - Maximize collaboration and cost sharing
- International collaboration supports global interoperability