OAGi Meeting
November 8, 2006
AIAG
Global eCommerce Strategy
Volunteers Define Best Practices:
- Solve business problems
- Develop technical solutions
- Validate

Examples:
- Material Replenishment
- Ergonomics
- Safety
- Warranty
- Technology
  - Bar Coding
  - EDI/XML
  - RFID
  - STEP

Automotive Implementation Guideline
- Process
- Data Formats
- Technical Solutions

Regional Standards and Standards Development Organizations
- ANSI
- SASIG
- OASIS
- WS-I
- OAGi

International Standards
- UN/CEFACT
- ISO
- ITU
- IEC
- WTO
- WCO

Global Companies
- Resources
- Standards to Run Business
- Compliance

Government Regulation (US, EU, Japan)

Integration Cost
Compliance Costs
Trading Partner Collaboration
B2B Communication Framework – Lack of Interoperability

XML, XML Schema, WSDL 1.1/1.2, XSLT.

ebXML Registry, CPP/CPA, UDDI 2.0/3.0


SOAP 1.1, 1.2, SOAP with Attachments, DIME, WS Addressing, WS Routing, ebXML Messaging

DOM, Java Beans, JAX(X), .NET, SAX, Portal frameworks and related specs WSRP, JSR168, etc.

UBL, OAGIS BODS, UNSPSC, VICS, PIDX, GISB, xCBL, etc.

SNMP, JMX, WBEM, note: standards gaps exist in all areas of Change, Operational, Service Level, and Audit Management

WSC, BPML, ebXML BPSS, WS-BPEL, Business Transaction Protocol, WS-Transaction

J2EE, .NET
AIAG Automotive B2B Vision

• Use consistent standards to 1) express business process design, 2) define data entities and 3) the XML schema documents
• Build an Automotive Data Model that will eventually provide consistent data vocabularies and models for all business transactions
• Mutual testing of solutions by product providers
• Virtual library of artifacts at the industry level
## Electronic Commerce Toolkit

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<th>Core Components – ISO UN/CEFACT</th>
<th>Operational Planning Process</th>
<th>Consistent Work Templates</th>
<th>POC Testing Environment</th>
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<tr>
<td>XML Schema – OAGIS BODs</td>
<td>GEFEG EDIFIX Tool</td>
<td>Joint Automotive Data Model</td>
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<tr>
<td>Modeling - UML/UMM</td>
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<td>AIAG JAMA/JAPIA</td>
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<td>Odette STAR</td>
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</tbody>
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*GEFEG, EDIFIX, Tool*
• OAGIS BODs
• RAMP
• UN/CEFACT Technologies
• Inventory Visibility
• Mfg Convergence
• Workgroups at AIAG
• JADM
• Athena Involvement
Joint Automotive Industry (JAI)  
Established March, 2005

- AIAG, JAMA/JAPIA, Odette and STAR have signed a Memorandum of Understanding to use consistent standards to 1) express business process design, 2) define data entities and 3) the XML schema documents
Joint Automotive Data Model (JADM)

- Global harmonization of business vocabularies
- Building a virtual library containing:
  - Business process models (activity flow diagrams, use case scenarios)
  - Data models
  - Schema
  - Implementation guidelines
- Current content:
  - EDIFACT order-to-cash global data
  - STAR schema for parts distribution
JAI Repository

- Joint Automotive Data Model
- Global Messages

- Maintain (1) master source code that all sites can link to
- Members can access through regional organizations or directly
- Maintain all other documentation at the regional websites
- Grow repository content based on consensus decisions
JAI Global Content

- Business Process and Data Models
  - Use Case
  - Activity Diagrams
  - Sequence Diagrams
  - Class Diagrams
- Data Requirements
- Messages - OAGIS Schema or EDIFACT syntax
- Link to Regional sites for implementation guidelines
### JADM Big Picture - Alignment of Content Using International Standards

<table>
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<tr>
<th>OAGi</th>
<th>Automotive</th>
<th>UN/CEFACT</th>
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<tr>
<td>CCTS and UML/UMM</td>
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<td>TBG17 Harmonization</td>
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<td>OAGIS 9.0</td>
<td>JADM</td>
<td>TBG1 Supply Chain</td>
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Diagram showing alignment of JADM with other international standards and frameworks.
Strategic Integrations: Canonical Model Integrations for A2A or B2B

Current Point-to-Point Approach --- n(n-1)

Future Canonical Approach --- 2n

Core Components, Message Formats

Global Canonical Standard

Savings