XML Book Industry Transaction Standards

July 23, 2002

Raw Materials supplier

Component Supplier

Publisher

Book Manufacturer
AGENDA

• Opening
  – Summary of May 7 meeting
  – XBITS Organization
  – XBITS transactions (A, B, & C groups)
• IDEAlliance
  – Introduction
  – Benefits of XBITS
  – papiNet Structure
  – How to Join
• papiNet
  – papiNet briefing
  – Message Development Methodology
• Message Development
  – Volunteers
  – First meeting date Aug 6, 7, 8 McGraw-Hill
• Q&A
• Closing
Do you think the XBITS objectives have merit? 100%

Would you recommend your company join XBITS? 95%

Do you support the Organization Structure for the first year of XBITS? 95%

Should we proceed with the finalization of the contract to affiliate with IDEAlliance/papiNet? 90%
Formed as an informal group of publishers, printers, and component suppliers that recognize the need to provide more efficient and timely information throughout the entire supply chain via XML electronic data transactions.

Now XBITS is a formal IDEAAlliance Working Group developing open transaction standards for the entire book manufacturing supply chain building on the papiNet standards.
Objectives

• Define the supply chain business processes
• Identify XML transactions that will facilitate these processes
• Work with IDEAlliance and papiNet to develop open transaction standards using their proven development methodology and relationships that have created synergies between customers, producers, system providers, and other supply chain partners
• Provide a structure for managing and maintaining the transactions to ensure integrity
• Provide a distribution channel for the standards that is freely available to all companies within the supply chain, not just members
Meetings in January, March and May of 2002 to define objectives and develop transaction specifications

Established working groups
- Purchase Order Group
- Invoice Group
- Specifications Group
- Common Definitions Group
Current Participants

- The McGraw-Hill Companies
- Pearson Education
- Time Inc.
- Xerox
- RR Donnelley & Sons Company
- Courier
- Quebecor World
- MeadWestvaco
- Von Hoffman
- HarperCollins.com
- Prentice Hall
- Evatone
- ZENPLEX.org
<table>
<thead>
<tr>
<th>XBITS Group</th>
<th>XBITS Transaction</th>
<th>papiNet Transaction</th>
<th>Comments</th>
<th>Priority</th>
<th>Industry Review</th>
<th>Publication</th>
</tr>
</thead>
<tbody>
<tr>
<td>PO</td>
<td>Planned Order</td>
<td>Purchase Order</td>
<td>Complete, papiNet uses order type of “Reservation Order”, Level of elements (header vs. detail) is not the same as papiNet</td>
<td>A</td>
<td>November 2002</td>
<td>January 2003</td>
</tr>
<tr>
<td>Firm Order</td>
<td></td>
<td></td>
<td>Complete, see notes for Planned Order</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>PO</td>
<td>Order Reply</td>
<td>Order Confirmation</td>
<td>No detail transaction specifications, use papiNet standard</td>
<td>A</td>
<td>November 2002</td>
<td>January 2003</td>
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<tr>
<td>PO</td>
<td>Order Status</td>
<td>Order Status</td>
<td>Complete, certain elements do not follow papiNet standard; Level of elements (header vs. detail) is not the same as papiNet</td>
<td>A</td>
<td>November 2002</td>
<td>January 2003</td>
</tr>
<tr>
<td>Invoice</td>
<td>Ship Notice</td>
<td>Delivery Message</td>
<td>Complete, follows papiNet standard</td>
<td>A</td>
<td>November 2002</td>
<td>January 2003</td>
</tr>
<tr>
<td>Specs</td>
<td>Specifications</td>
<td>NA</td>
<td>Complete, no existing papiNet transaction, papiNet development team will have to structure the transaction. Detailed business use cases will be needed to test the completeness of this transaction.</td>
<td>B</td>
<td>February 2003</td>
<td>August 2003</td>
</tr>
<tr>
<td>Invoice</td>
<td>Invoice</td>
<td>Invoice</td>
<td>Complete, certain elements do not follow papiNet standard; Level of elements (header vs. detail) is not the same as papiNet</td>
<td>B</td>
<td>February 2003</td>
<td>August 2003</td>
</tr>
<tr>
<td>Invoice</td>
<td>Usage</td>
<td>Usage</td>
<td>Complete, certain elements do not follow papiNet standard; Level of elements (header vs. detail) is not the same as papiNet</td>
<td>B</td>
<td>February 2003</td>
<td>August 2003</td>
</tr>
<tr>
<td>XBITS Group</td>
<td>XBITS Transaction</td>
<td>papiNet Transaction</td>
<td>Comments</td>
<td>Priority</td>
<td>Industry Review</td>
<td>Publication</td>
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<tr>
<td>PO</td>
<td>RFQ</td>
<td>RFQ</td>
<td>Complete, but not some element names and locations do not agree with the papiNet standard</td>
<td>C</td>
<td>June 2003</td>
<td>August 2003</td>
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<tr>
<td>PO</td>
<td>Quote</td>
<td>RFQ Response</td>
<td>No detail transaction specifications, papiNet standard will require some modifications.</td>
<td>C</td>
<td>June 2003</td>
<td>August 2003</td>
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<tr>
<td>Invoice</td>
<td>Information Request</td>
<td>Info Request</td>
<td>No detail transaction specifications. papiNet transaction is used for both Order Status and Inventory Status. May need modifications to include information for components.</td>
<td>C+</td>
<td>June 2003</td>
<td>August 2003</td>
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<tr>
<td>Invoice</td>
<td>Inventory Status</td>
<td>Inventory Status</td>
<td>Complete, will need additional codes for components. Completed sections, etc.</td>
<td>C+</td>
<td>June 2003</td>
<td>August 2003</td>
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<tr>
<td>Invoice</td>
<td>Acknowledgement</td>
<td>Business Acknowledgement</td>
<td>No detail transaction specifications, use papiNet standard</td>
<td>C</td>
<td>June 2003</td>
<td>August 2003</td>
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<tr>
<td>Invoice</td>
<td>NA</td>
<td>Inventory Change</td>
<td>XBITS did not plan to use, but should make available to complete inventory transaction set. Additional codes will be needed.</td>
<td>C</td>
<td>June 2003</td>
<td>August 2003</td>
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</tbody>
</table>
Benefits of Involvement

• Complete supply chain involvement will legitimize and facilitate adoption of standards more rapidly
• Capitalize on the work that has been done to-date
• Broad participation lowers cost for everyone
• Build the level of expertise within the group to encompass the entire supply chain
• Participation ensures requirements specific to your company are addressed
Summary

- Strategically important open industry effort
- Based upon freely available standards
- Extensive work has been accomplished in a very short time
- XBITS needs complete supply chain participation to accelerate the development and implementation of transactions at a low cost for each participant
- Working within IDEAlliance and papiNet enables us to take advantage of their extensive global experience and expertise, leveraging their procedures and documentation