

1 **ebXML Case Study: DISA Registry**  
2 **Initiative (DRIVE)**

3 **2 April 2003**

4 **Document identifier:**

5 {DRI01}-{JMT}-{DRIVECaseStudy}-{040203} (*Word*)

6 **Location:**

7 <http://www.ebxml.org/>

8 **Contributors:**

9 Alan Kotok, DISA

10 **Abstract:**

11 *The DISA Registry Initiative or DRIVE is a program to deploy the technology outlined in the*  
12 *ebXML specifications (v 2.0) for a standard online index of items needed by companies to do*  
13 *business in particular industries. DRIVE provides such an index for the work of DISA-affiliated*  
14 *organizations.*

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## 35 **1 Executive Overview**

36 *The DISA Registry Initiative or DRive is a program to deploy the technology outlined in the*  
37 *ebXML specifications (v 2.0) for a standard online index of items needed by companies to do*  
38 *business in particular industries. DRive provides such an index for the work of DISA-affiliated*  
39 *organizations.*

### 40 **1.1 Business Need**

41 *DISA had planned on developing a registry of its standards and specifications for some time, but*  
42 *had sought a standards-based rather than a one-off solution. First, DISA's mission is to*  
43 *encourage the development and adoption of e-business standards. Second, a standards-based*  
44 *registry offers opportunities later on to interact with other registries and solutions based on*  
45 *ebXML.*

### 46 **1.2 Project Description**

47 *DISA now has a working DRive prototype online for viewing and comments, at*  
48 *<http://www.disa.org/drive/>. The prototype uses specifications from DISA's vertical industry*  
49 *affiliates. It lists the specifications by general industry category, with additional classification by*  
50 *the North American Industrial Classification System (NAICS) and U.N. Standard Product and*  
51 *Service Code (UNSPSC). DRive indicates the relationship among the specifications, and cross-*  
52 *references the objects to the XML.Org registry operated by OASIS.*

53  
54 *DRive serves a research and development function for the e-business community. We are*  
55 *currently working with UN/CEFACT's Business Process Catalog Work Group (TBG-14) in*  
56 *developing registry classifications for ebXML business processes. We have also offered DRive*  
57 *to the OAG/NIST ebXML Testbed project.*  
58

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## 59 **2 Participants**

### 60 **2.1 Industry**

61 *Data Interchange Standards Association*  
62 *Interactive Financial Exchange (IFX) Forum*  
63 *Mortgage Industry Standards Maintenance Organization*  
64 *Open Travel Alliance*

### 65 **2.2 Users**

66 *Main contact: Alan Kotok. DISA, +1 703-518-4174, [akotok@disa.org](mailto:akotok@disa.org)*

### 67 **2.3 Other**

68 *We thank XML Global for the generous donation of the software for DRive.*

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## 69 **3 ebXML Specifications Used**

70 *OASIS/ebXML Registry Services Specification, v2.0*

71 *OASIS/ebXML Registry Information Model v2.0.*

### 72 **3.1 Other Standards Used**

73 *North American Industrial Classification System (NAICS) and U.N. Standard Product and Service*

74 *Code (UNSPSC).*

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## 75 **4 Technical Description**

76 *DRive is loaded on an Apache/Tomcat server, and built on a MySQL database, running under*

77 *Windows 2000.*

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## 78 **5 Benefits and Challenges**

### 79 **5.1 Business**

80 *DRive enables DISA to provide a consistent public face for its vertical industry standards and*  
81 *specifications.*

### 82 **5.2 Technical**

83 *On the technical details for case study, XML Global provided the software, so I am not really the*  
84 *expert on the technology.*

### 85 **5.3 Lessons Learned**

86 *We are still learning the lessons. DRive is now set up for human, not machine, visitors, and we*  
87 *have our specifications indexed only at the document level. We do have plans for more elaborate*  
88 *and complex message design services that use more capabilities of DRive, but we need to get*  
89 *our customers ready for that step. One of the messages I would like to leave with the participants*  
90 *in our forum session is that we are still figuring out how to make maximum use of a standards*  
91 *registry.*

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## 92 **6 Future Plans**

93 *DISA plans to integrate the emerging XML work of ASC X12, in addition to its vertical industry*  
94 *affiliates. DISA is also taking part in the NIST/OAG ebXML test-bed, and has offered DRive as a*  
95 *testing facility for registry interactions.*

96

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98 **Appendix A. Acknowledgments**

99 *The following individuals were instrumental in the success or progress of this effort:*

- 100 • *David Webber, XML Global*
- 101 • *Zuzana Mosna, XML Global*
- 102 • *Greg Lear, IT Director, DISA*

103

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## Appendix B. Revision History

<b>Rev</b>	<b>Date</b>	<b>By Whom</b>	<b>What</b>
<i>DRI-01</i>	<i>01-02-2003</i>	<i>Alan Kotok akotok@disa.org</i>	<i>Initial version</i>

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105 **Appendix C. Notices**

106 *None provided.*