

1 **OASIS ebXML Registry**

2 **Proposal: Content-based Queries**

3 **Category: New functionality to draft specifications**

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6 **Status of this Document**

7 This document is a draft proposal whose purpose is to solicit additional input.

8 **1 Abstract**

9 This document proposes focused enhancements to the ebXML Registry Services
10 specification that will allow registry queries (focused, filtered and SQL) to be able
11 to predicate on repository item content in addition to registry entry metadata, in a
12 normative manner.

13 Currently a high level, non-normative description exists in Appendix D of [ebRS].

14 The proposal is to provide a normative specification for content-based queries
15 that is a refinement of the current non-normative definition.

16 **2 Motivation**

17 The primary motivation is make the ebXML registry more capable and useful by
18 providing more powerful discovery mechanisms. Content-based queries are a
19 compelling feature that builds upon the advanced repository and query
20 capabilities of the ebXML Registry V1.

21 **3 Proposed Deliverables**

22 The following concrete deliverables are proposed:

- 23 1. Updating ebRIM to include new interfaces (e.g. ClassificationIndex). This
24 change is backward compatible.
- 25 2. Re-writing current Appendix D into a new normative section in [ebRS].

26 It is anticipated that the effort involved will be relatively small in the execution of
27 this proposal since a nor-normative definition already exists.

28 **4 Use Cases**

29 The use cases are as open-ended as the types of repository item that may be
30 stored in an ebXML Registry. They are all very real business oriented use cases.
31 A few are listed as samples.

32 **4.1 Find All CPPs Where Role is Supplier**

33 An ebXML registry client is attempting to discover all computer parts
34 manufactures that have a Collaboration Protocol Profile [CPP] in the registry with
35 a Role that is "Supplier". Note that Role is content within the CPP and not
36 metadata.

37 **4.2 Find All WSDL Descriptions with a SOAP Binding**

38 An ebXML registry client is attempting to discover all repository items, that are
39 WSDL descriptions that have a SOAP binding defined. Note that SOAP binding
40 related information is content within the WSDL document and not metadata.

41 **4.3 Find All Business Process Specification with Specified 42 BusinessPartnerRole**

43 An ebXML registry client is attempting to discover all repository items, that are
44 ebXML Business Process Specifications as defined by [ebBP] such that they
45 contain a specific BusinessPartnerRole (e.g. "Credit Authority"). Note that the
46 BusinessPartnerRole is content within the WSDL document and not metadata.