

1 **OASIS ebXML Registry**

2 **Proposal: Specification for getPath Method in**  
3 **ClassificationNode**

4 **Category: Improvements to existing specifications**

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7 **Status of this Document**

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

9 **1 Abstract**

10 The RIM 1.1 specification defines a getPath method for ClassificationNode class  
11 to return a String representing an absolute path from the ClassificationScheme to  
12 a specific ClassificationNode for the purposes of identifying the  
13 ClassificationNode. Unfortunately there is some missing details on the syntax of  
14 the path returned by the getPath method.

15 This document proposes to provide the missing details and clarity to the syntax  
16 used in RIM 1.1 to identify a specific ClassificationNode.

17 **2 Motivation**

18 The following motivations drive this proposal:

19

- 20 1. Define detailed specification of a canonical path representation that is  
21 returned by the getPath method of ClassificationNode

22

23 **2.1 Assumptions**

24 The following assumptions are made in this proposal:

- 25 1. Issues dealing with multiple co-operating registries are not considered.  
26 These issues are deferred to the Inter Registry Cooperation (IRC) team.

27 **3 Changes to RIM 1.1**

28 Replace existing section 10.2.4 with 3.1.1 and add 3.1.2 and its subsections  
 29 below:

30 **3.1.1 Method Summary**

31 In addition to its attributes, the ClassificationNode class also defines the following  
 32 methods.

33

Method Summary of ClassificationNode	
	<Any other methods besides getPath below are unaffected by this proposal>
	...
String	<a href="#">getPath()</a> Gets the canonical path from the ClassificationScheme of this ClassificationNode. The path syntax is defined in 3.1.2.

34

35 Note that methods inherited from the base classes of this class are not shown.

36 **3.1.2 Canonical Path Syntax**

37 The getPath method of the ClassificationNode class returns an absolute path in a  
 38 canonical representation that uniquely identifies the path leading from the  
 39 ClassificationScheme to that ClassificationNode.

40 The canonical path representation is defined by the following BNF grammar:

41

```

42 canonicalPath ::= '/' schemeld nodePath
43 nodePath     ::= '/' nodeCode
44              | '/' nodeCode ( nodePath )?
45
    
```

46 In the above grammer, schemeld is the id attribute of the ClassificationScheme  
 47 instance. In the above grammar nodeCode is defined by NCName production in  
 48 <http://www.w3.org/TR/REC-xml-names/> .

49 **3.1.2.1 Example of Canonical Path Representation**

50 The following canonical path represents what the getPath method would return  
 51 for the ClassificationNode with code 'United States' in the sample Geography  
 52 scheme in section 3.1.2.2.

53

54 /Geography-id/NorthAmerica/UnitedStates

55 **3.1.2.2 Sample Geography Scheme**

56 Note that in the following examples, the ID attributes have been chosen for ease  
 57 of readability and are therefore not valid URN or UUID values.

58

59 <ClassificationScheme id='Geography-id' name="Geography"/>

60

61 <ClassificationNode id="NorthAmerica-id" parent="Geography-id" code="NorthAmerica" />

62 <ClassificationNode id="UnitedStates-id" parent="NorthAmerica-id" code="UnitedStates" />

63

64 <ClassificationNode id="Asia-id" parent="Geography-id" code="Asia" />

65 <ClassificationNode id="Japan-id" parent="Asia-id" code="Japan" />

66 <ClassificationNode id="Tokyo-id" parent="Japan-id" code="Tokyo" />

67