OASIS ebXML Registry Technical Committee -- Query sub-team

Subject: Submitting and Responsible Org methods for ebRIM

Version: 1

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Type: ebRIM Proposal

Introduction

During our team's discussion on the FilterQuery proposal, it has become clear that it would be best if there were a closer connection between the XML "Branch" elements specified in FilterQuery and explicit methods defined in ebRIM.

This proposal adds getSubmittingOrganization() methods to RegistryEntry, Classification, and ExternalIdentifier, because the FilterQuery proposal assumes that there is a link from instances of each of those classes to the organization that submitted it.

This proposal adds a getResponsibleOrganization method to RegistryEntry, because the FilterQuery proposal assumes that the submitting organization for a repository item can name the organization responsible for its definition, approval, and/or maintenance. The notion of responsible organization is specified in ISO/IEC 11179 and was explicitly approved for inclusion in ebRIM at our Vancouver meeting last winter. Right now the existence of responsible organization information is buried under abstract Association instances between RegistryObject and Organization that are not explicitly visible in ebRIM.

This proposal does NOT add an explicit getSubmittingOrganization() method to Association, or to other ebRIM classes, because it is clear from the context who the submitting organization is in each case. In particular, there has been a long-standing assumption that the submitting organization for an Association instance is the same as the submitting organization of the object identified by the sourceObject attribute of that association.

Proposal

1. In ebRIM version 1.1, section 6.4, Class RegistryEntry

Add a new sub-section, 6.4.x, titled "RegistryEntry Method Summary", with the same introductory sentence as every other Method Summary section, and with the following table as the content of the section:

ReturnType	Method
	getSubmittingOrganization()

Organization	Gets the Organization instance of the organization that submitted the given RegistryEntry instance. This method returns a non-null result for every RegistryEntry. For privilege assignment, the organization returned by this method is regarded as the owner of the RegistryEntry instance.
Organization	getResponsibleOrganization() Gets the Organization instance of the organization responsible for definition, approval, and/or maintenance of the repository item referenced by the given RegistryEntry instance. This method may return a null result if the submitting organization of this RegistryEntry does not identify a responsible organization or if the registration authority does not assign a responsible organization.

2.   In ebRIM version1.1, Section 6.8, Class ExternalIdentifier

Add a new sub-section, 6.8.x, titled "ExternalIdentifier Method Summary", with the same introductory sentence as every other Method Summary section, and with the following table as the content of the section:

ReturnType	Method
Organization	getSubmittingOrganization() Gets the Organization instance of the organization that submitted the given RegistryEntry instance. This method returns a non-null result for every RegistryEntry. For privilege assignment, the organization returned by this method is regarded as the owner of the ExternalIdentifier instance.

3.   In ebRIM version 1.1, Section 10.3, Class Classification

Add a new sub-section, 10.3.x, titled "Classification Method Summary", with the same introductory sentence as every other Method Summary section, and with the following table as the content of the section:

ReturnType	Method
Organization	getSubmittingOrganization() Gets the Organization instance of the organization that submitted the given RegistryEntry instance. This method returns a non-null result for every RegistryEntry. For privilege assignment, the organization returned by this method is regarded as the owner of the Classification instance.