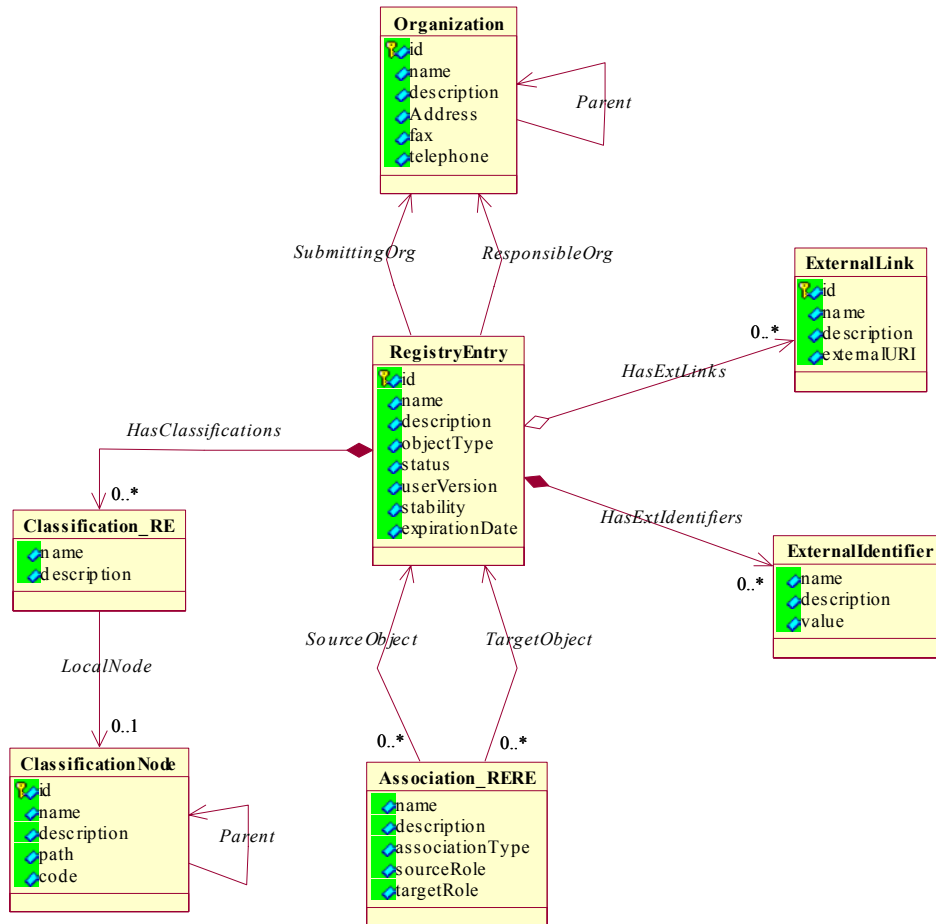# Sub-model of proposed ebRIM Model – 24 August 2001

This diagram is a specialized subset of the proposed ebRIM model. It is consistent with that model and does not violate any of its provisions.

1) Classification_RE is a specialized subtype of Classification that only classifies RegistryEntry instances.

2) Association_RERE is a specialized subtype of Association that requires both the sourceObject and the targetObject to be RegistryEntry instances.

3) HasExtLinks is a specialized subtype of Association that highlights one-to-many associations from a RegistryEntry instance to zero or more ExternalLink instances.

4) HasExtIdentifiers is a specialized subtype of Association that highlights one-to-many associations from a RegistryEntry instance to zero or more ExternalIdentifier instances.

5) The existing FilterQuery specification of RegistryEntryQuery in the Registry Services document (ebRS Section 8.2.2) is based on this diagram.

6) Static 128-bit UUID's for Classification, Association, and ExternalIdentifier are NOT required. Maybe even UUID for ExternalLink and ClassificationNode could be hidden and not required.

NOTE: The major attraction of using this UML diagram over the more general ones is that every UML association pictured in the diagram is either a single-valued UML association or a one-to-many UML association. This makes it straight-forward to visualize an XML representation of the content as a nested tree structure supported by the XML Document Object Model (DOM). The FilterQuery approach also uses this implied tree structure as the basis of its definition. All joins among classes are implicitly invoked by nested XML clauses -- there is no need for the user of FilterQuery to struggle with explicit join conditions among classes.