<Pattern Name>, Version <m.n>

URL

{Specify the URL for this document.}

Contributor

{Specify the name of the person or organization that contributed this pattern to the catalog or pattern community.}

Structural Classification

{State the structural classification of this pattern. Current structural classifications consist of *Macro pattern*, *Domain pattern*, and *Micro pattern*.}

Usage Category

{State the usage category of this pattern. Current usage categories consist of: *Interchange*, *Mapping*, *Typing*, *Extension*, *Interpretation*, *Generation*, and *Structural*.}

Intent

{Describe in one sentence the overall intent of this pattern. This facilitates browsing through a pattern catalog by users looking for a pattern to solve a particular problem.}

Also Known As

{Provide any other well-known synonyms for this pattern.}

Motivation

{Describe in some detail the metadata interchange problem that this pattern solves.}

Applicability

{Describe situations in which this pattern might be applied.}

Projection

{Describe the M2-level projection used to establish a semantic context for interchange. Illustrate the metamodel projection, if possible.}

Figure 1: <Pattern Name> Projection

Restriction

{Describe the M2-level constraints used to restrict or limit the extent of instances of the projection. Where possible, use OCL to express the constraints.}

Usage

{Describe the general usage conventions for instances of this pattern, including values assigned to instance attributes and subclass substitutions.}

Parameters

{Define the set of formal parameters that are used to realize an instance of this pattern. These generally follow from the Usage description. They are M1-level values that have the effect of binding the pattern to a particular realization, thereby tailoring the pattern for a specific use. Parameters are most easily specified using a table like the one below.}

M2 Parameter	**M1 Value**	**Comments**
<M2 Parameter name>	<M1 Value>	<comment>

Commentary

{Provide any other commentary that might be helpful in describing how this pattern should generally be used.}

Consequences

{Describe the various ramifications and tradeoffs, both positive and negative, in the application of this pattern.}

Known Uses

{Cite any known examples of actual software systems employing this pattern.}

Related Patterns

{List any other metadata interchange patterns that this pattern is closely related to, collaborates with, or is composed from. Include any URLs pointing to these pattern descriptions.}

Sample Solution

{Provide an example of using this pattern in solving a metadata interchange problem. If possible, use instance diagrams and equivalent XMI fragments to illustrate the solution.}

Figure 2: <Pattern Name> Example: Instance Diagram

Figure 3: <Pattern Name> Example: XMI Fragment