

Hendryx

Hendryx & Associates

**Welcome to the OMG
Business Rules Working Group**

Orlando, Florida June 24, 2002

Purpose of the BRWG

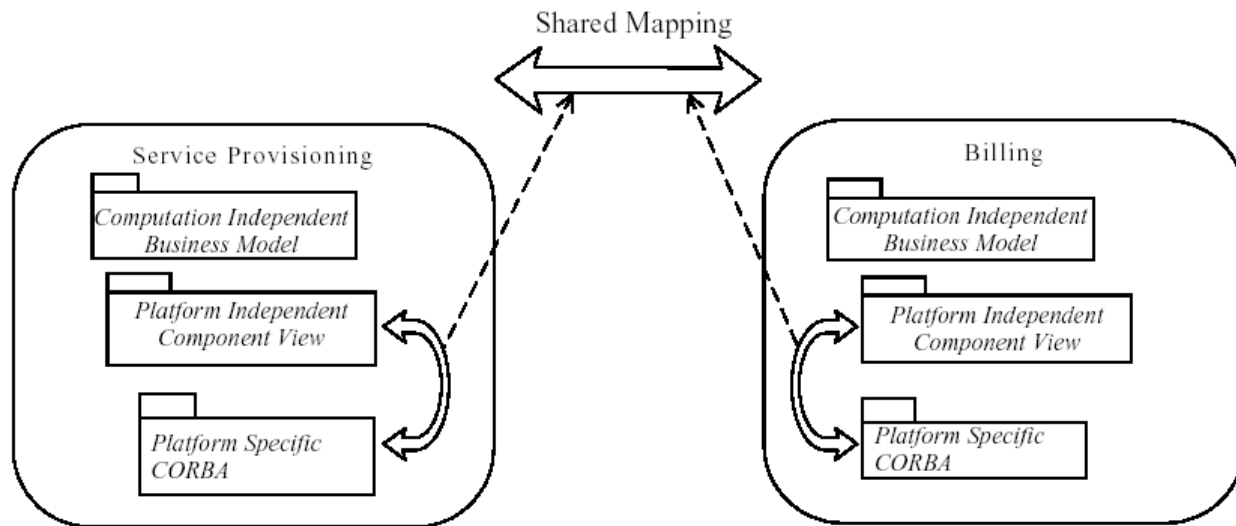
- **Explore the addition of business rule modeling capabilities to the UML.**
- **Draft RFP's for consideration by the OMG.**
 - RFP for a Business Rule Expression extension to the UML.
 - RFP for modeling Business Rule Management in the UML.

Goals of this meeting

- **Provide motivation for adding business rule capabilities to the UML.**
 - Provide some definition around the term “business rules.”
 - Give some case histories that illustrate the potential usefulness of business rule extension of the UML.
- **Show current approaches to modeling business rules.**
- **Outline the scope and content for RFP’s for business rule extensions of the UML.**
 - Business Rule Expression RFP
 - Business Rule Management RFP

Status of Business Rules in MDA

- Business Model is optional (ormsc/2001-07-01).
- Although PIM and PSM must not violate domain knowledge in the Business Model (CIM), neither MDA nor the UML provide formalisms for business modeling or mappings from business models to PIM.



Business Rules in the UML today

- **Constraints, nominally expressed using OCL.**
 - Can be applied to any model element.
- **Actions, conforming to Action Semantics Specification, written in an unspecified action language.**
- **Rules implied by model structures**
 - Class diagrams: object classes, attributes, associations
 - Activity diagrams, Use Cases, Collaboration Diagrams
- **Cannot conveniently specify attributes that serve to identify objects.**
 - Limits use of the UML for Business Modeling.
- **No support for rule expressions in English.**
 - Limits use of the UML for Business Modeling.

Needed: A *lingua franca* for CIM, PIM, PSM

- **Extending the UML so it can be used for CIM as well as PIM and PSM will enable MDA to deliver on its promise.**
 - Enable model aggregation repositories that include CIM, PIM, PSM.
 - Support for CIM → PIM → PSM automated transformations.
 - Standard support for model interchange of CIM, PIM, PSM.
- **UML augmented with business modeling capabilities is the best candidate for a CIM–PIM–PSM lingua franca.**

Agenda

Stan Hendryx, Hendryx & Associates	Welcome to BRWG	9:00 AM
Henry Bowers, ILOG	Case Study	9:18 AM
Jos Warmer, Klasse Objecten	OCL update	9:51 AM
	Break	10:24 AM
Donald Chapin, Business Semantics	Business Modeling	10:39 AM
David Cuyler, Sandia National Laboratories	ORM+MOF	11:12 AM
	Lunch	12:00 PM
Carole-Ann Matignon, BlazeSoft	Case Study	1:00 PM
Ron Ross, Business Rule Solutions	Business Rule Mgmt	1:33 PM
Donald Chapin	Case Study	2:16 PM
	Break	2:49 PM
(Business Rule Working Group)	Working Session	3:04 PM
Stan Hendryx	Wrap-up	4:45 PM
	Adjourn	5:00 PM