



UN/CEFACT

Introduction to the Business Collaboration Framework (BCF)

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UNITED NATIONS CENTRE FOR TRADE FACILITATION AND ELECTRONIC BUSINESS

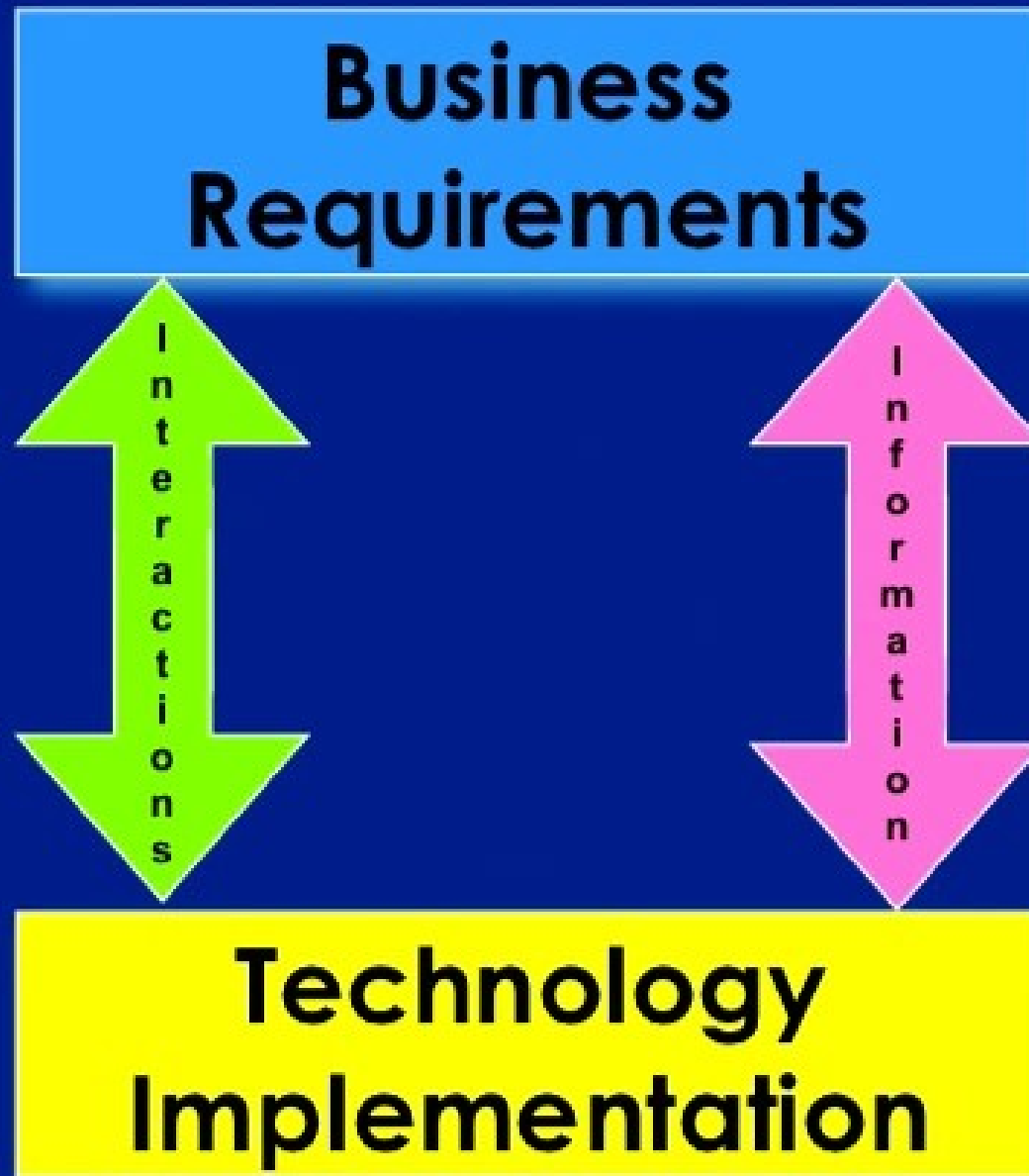
Under the auspices of United Nations Economic Commission for Europe

Principles for our solution

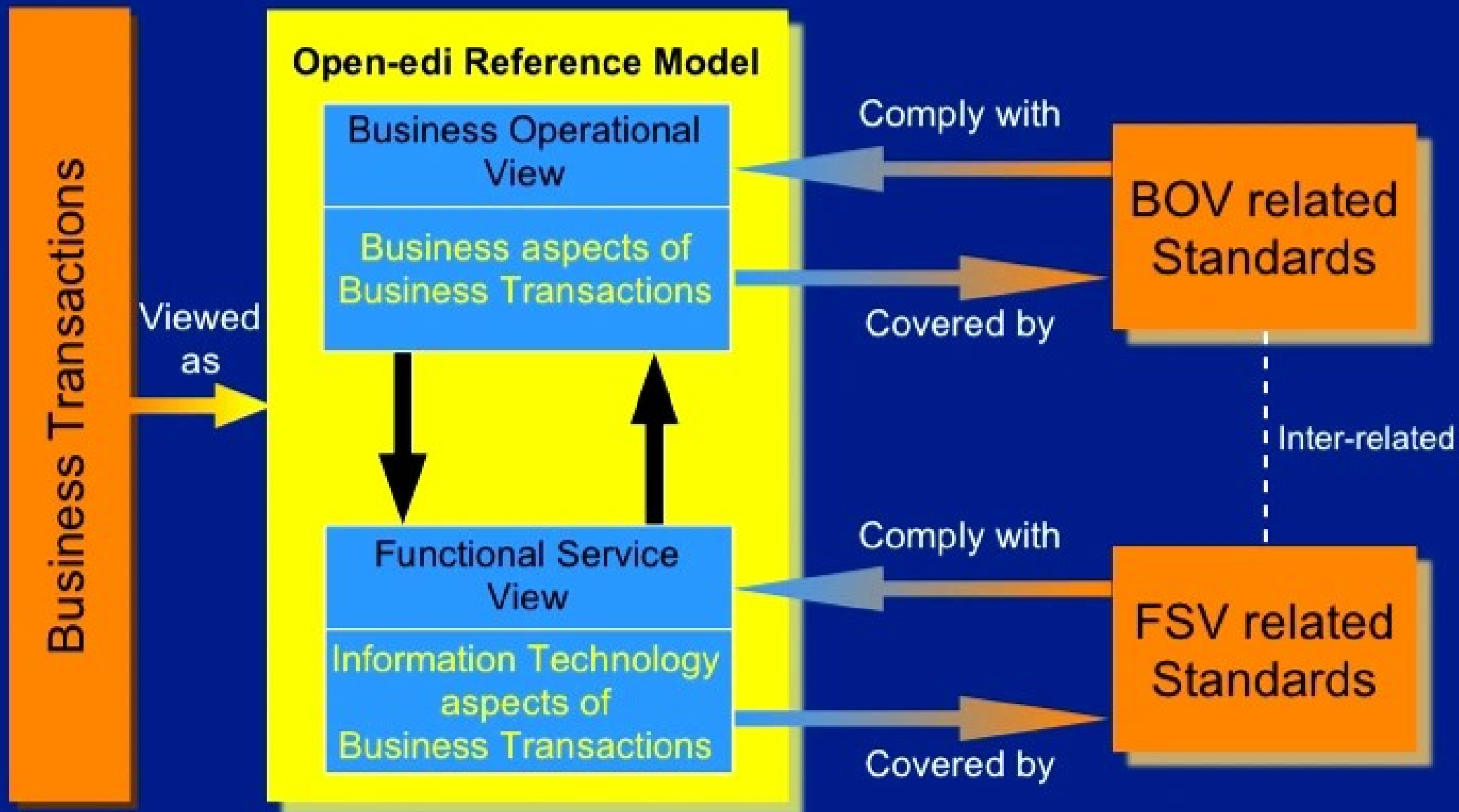
- Business requirements drive technology solutions
- Embody best practices in collaborative e-Business standards
- Focus on expected business results



Requirements vs. Technology

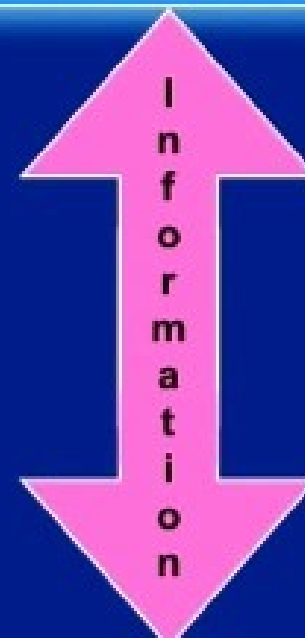


Open-edi Reference Model



Technology & Implementation Neutral

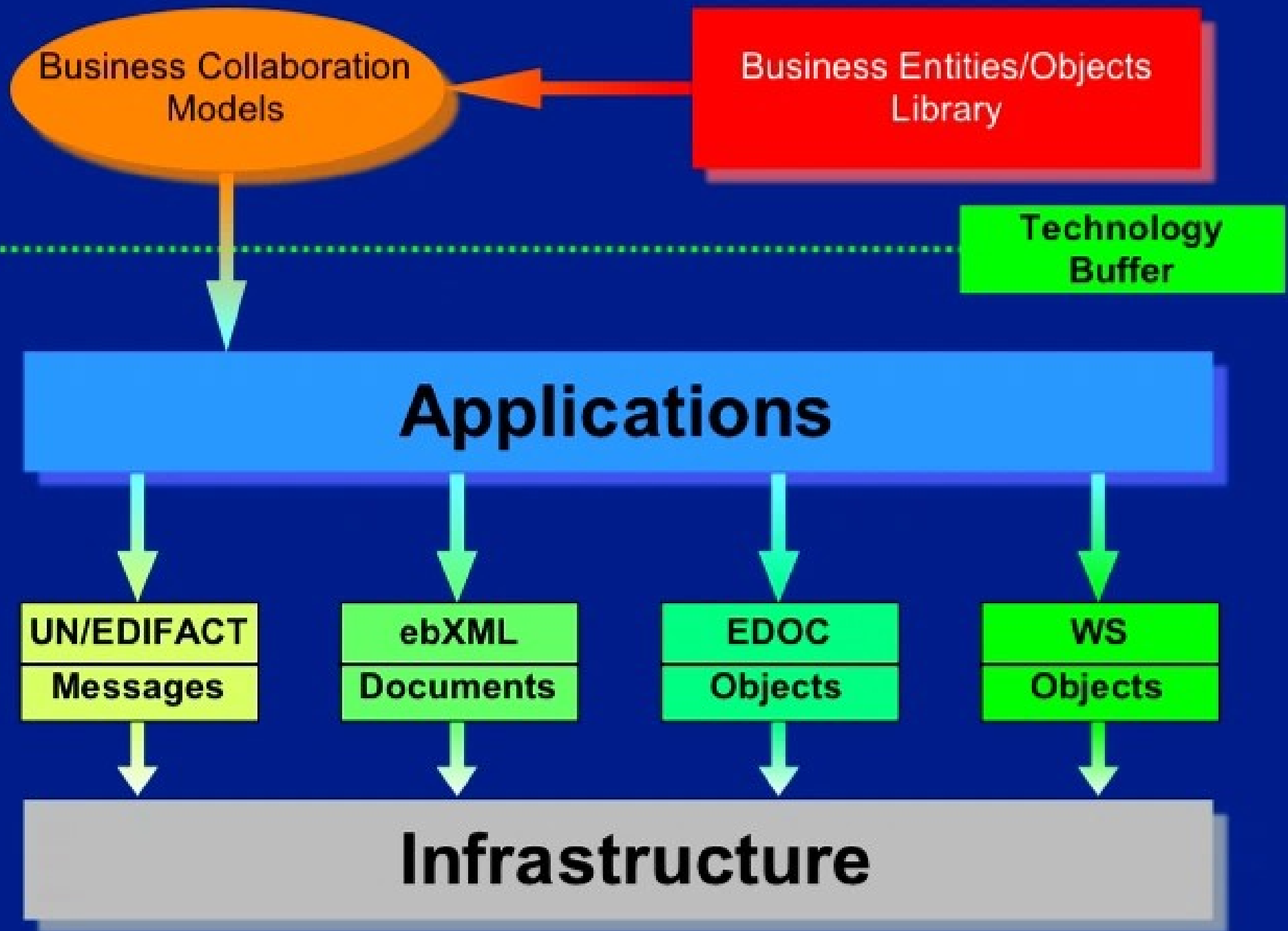
**Business
Collaboration Models**



**Technology
Specific Infrastructure**



Implementing different Technologies



Implementing different Technologies

BOV

Business Collaborati
Models

Business Entities/Objects
Library

Technology
Buffer

Applications

UN/EDIFACT
Messages

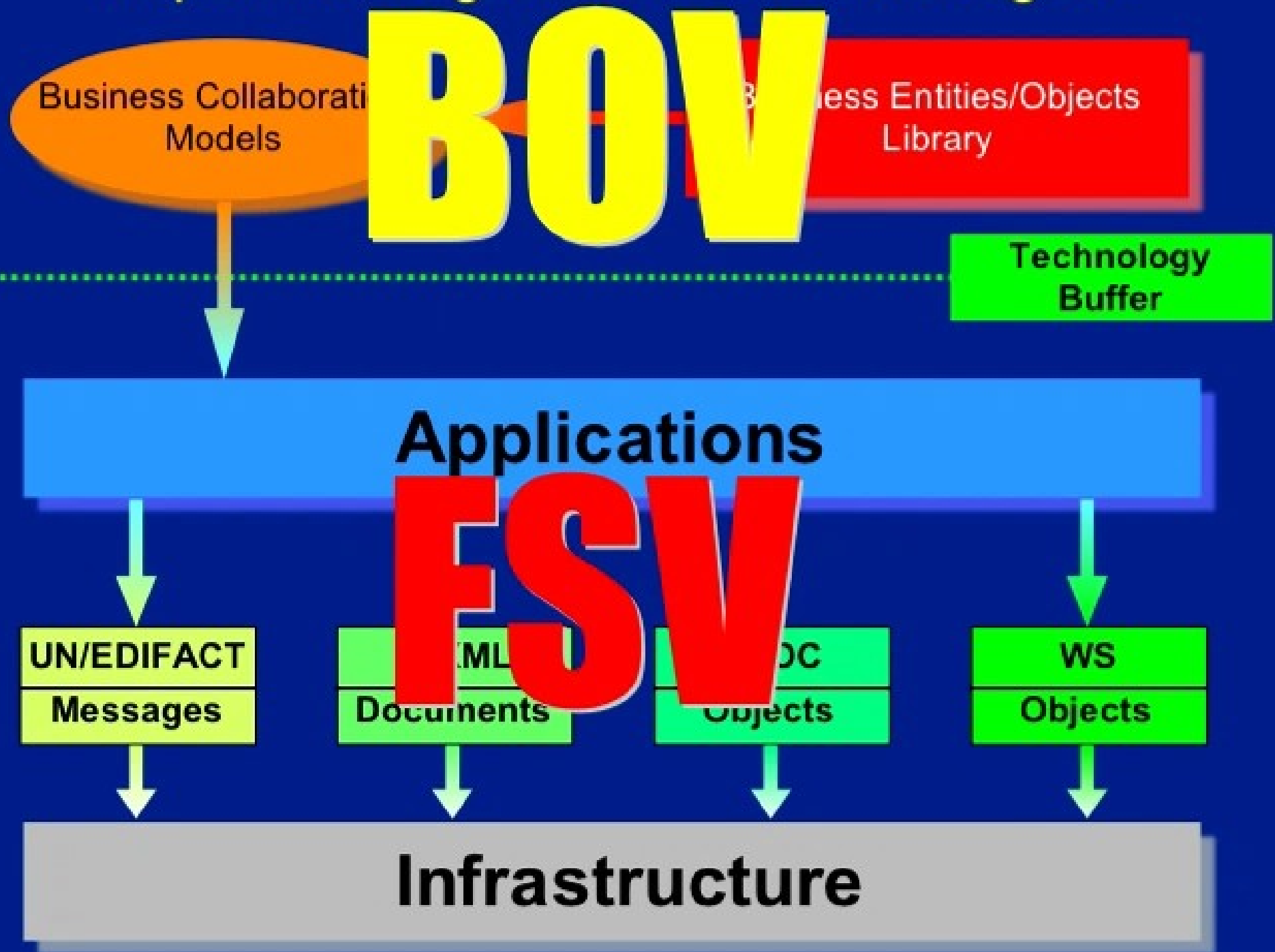
ebXML
Documents

EDOC
Objects

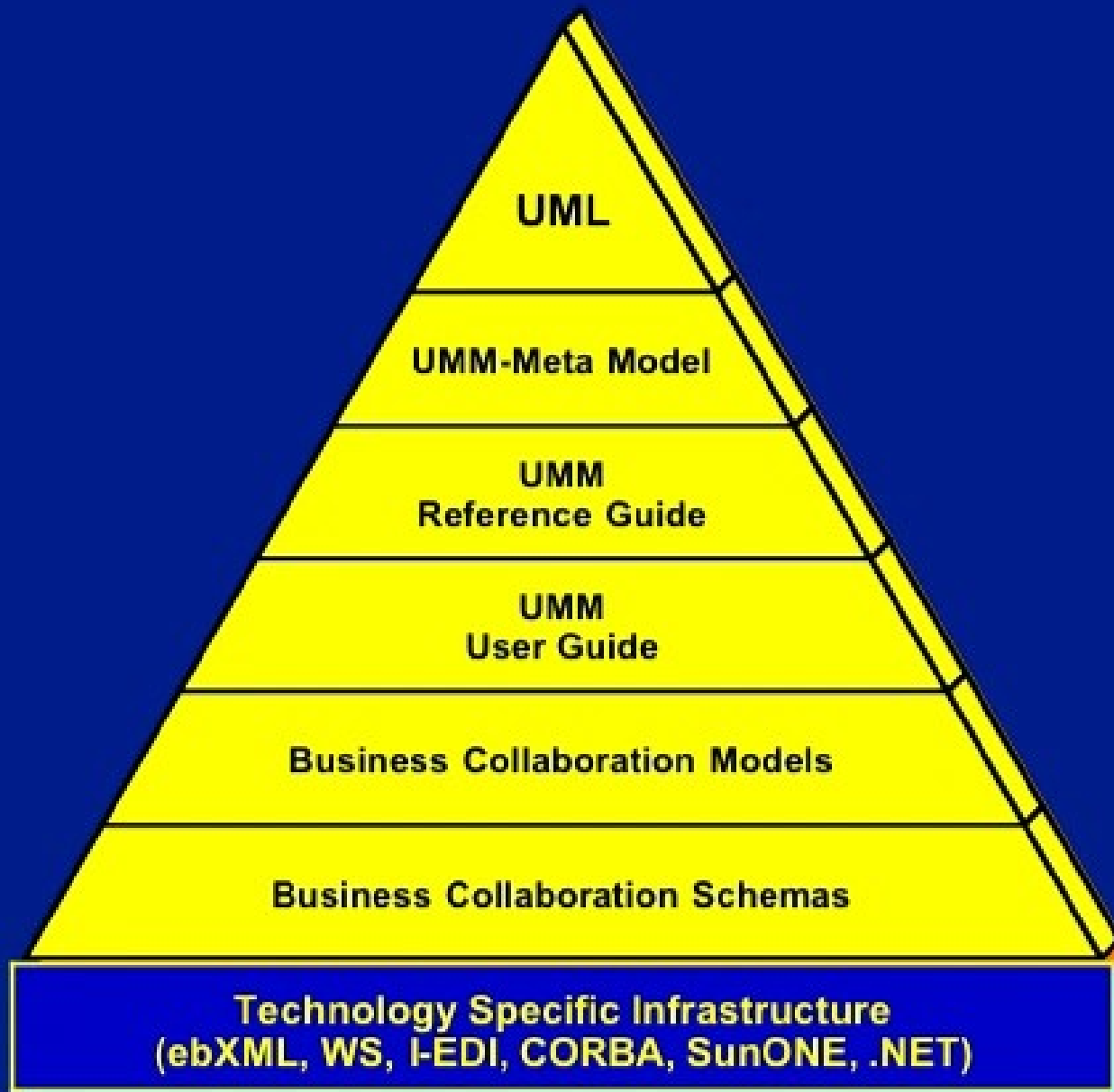
WS
Objects

Infrastructure

Implementing different Technologies



Business Collaboration Framework Overview



Business Collaboration Framework

Business Collaboration Framework (BCF)

UN/CEFACT Modeling Methodology (UMM)

**Modeling Process
(UMM-User Guide)**

**UML Profile
(UMM-Meta Model)**

UML

Modeling Language

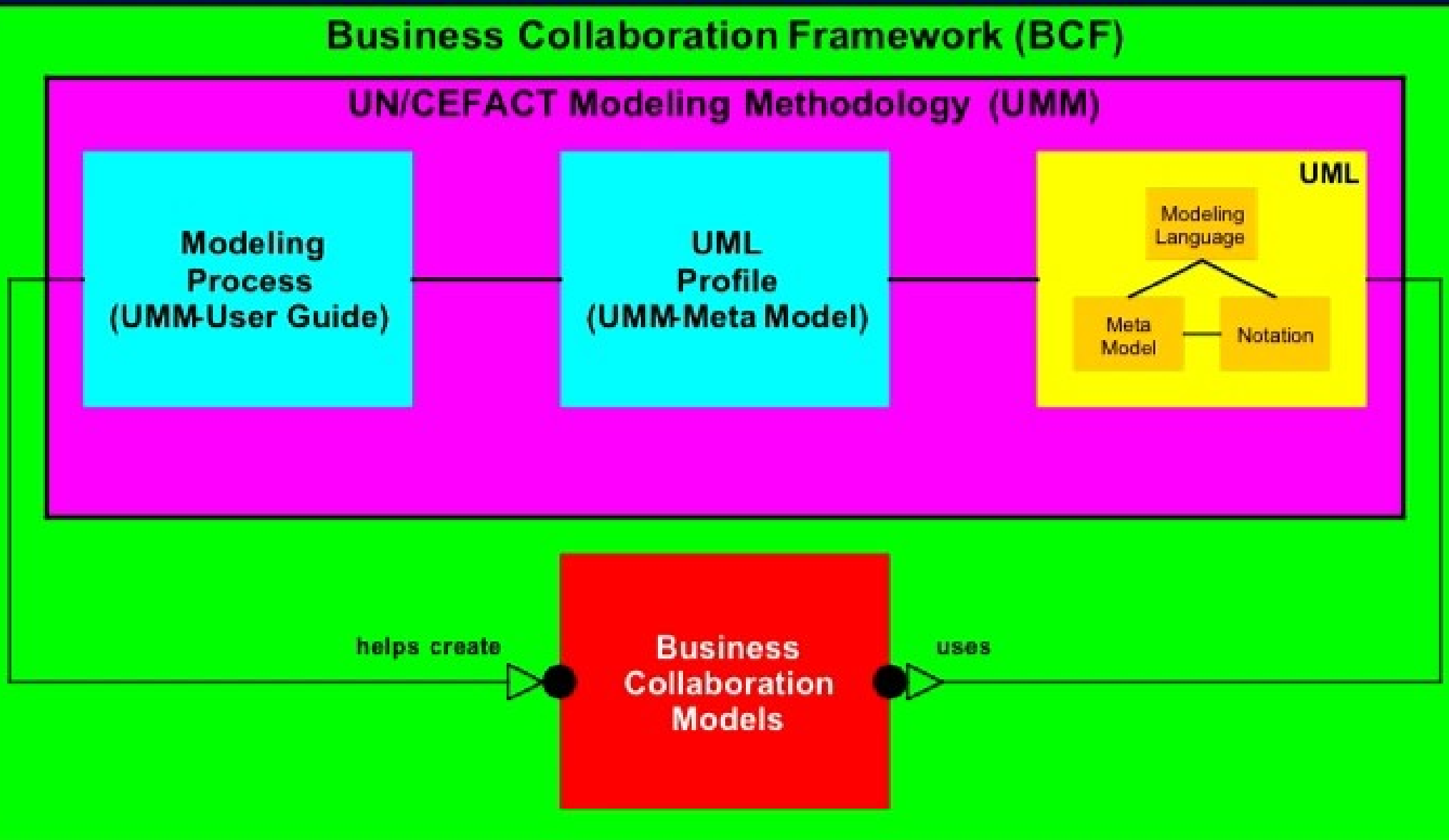
Meta Model

Notation

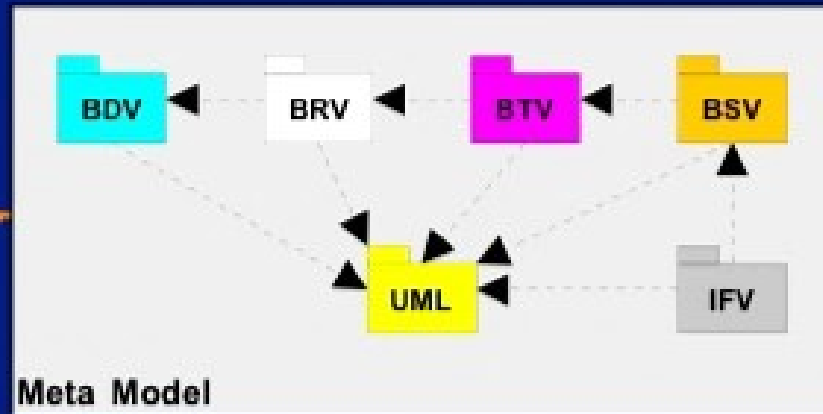
helps create

**Business
Collaboration
Models**

uses

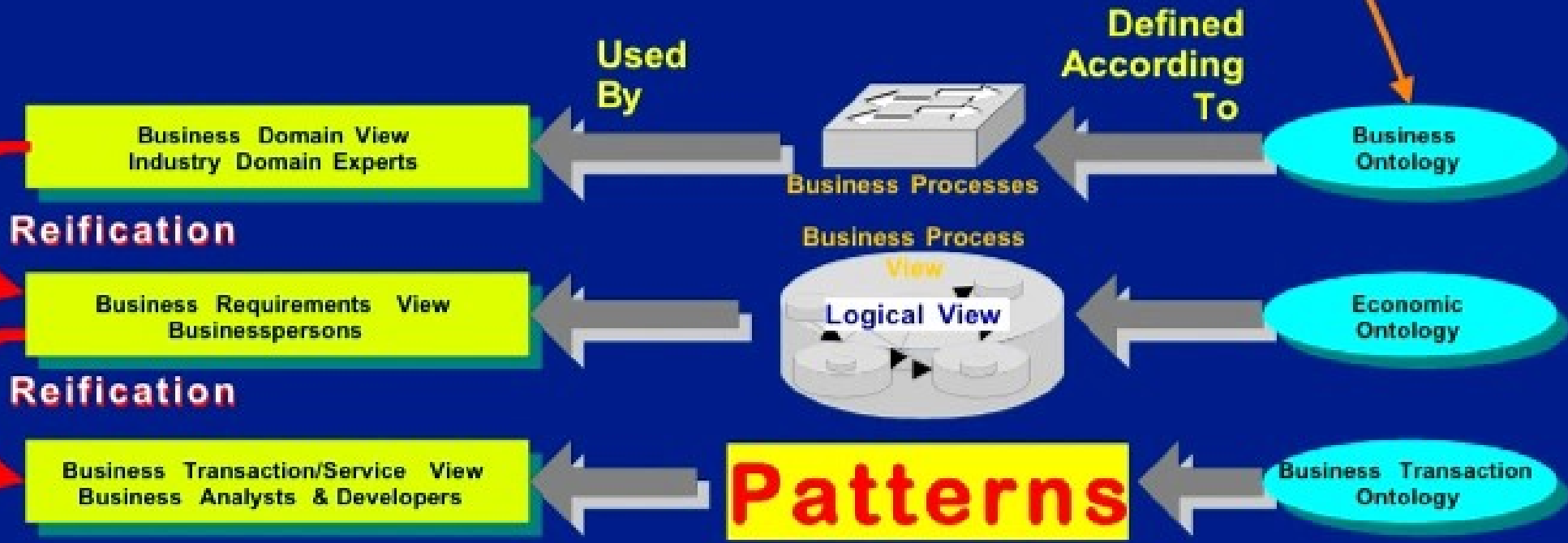


UMM Overview



Transformation Rules

Syntax & Semantics



BCF Modeling Layers

OMG Term

TMG/BCF Term

Sample Objects

User Objects
Layer (M0)

Business Information
Business Entities
Business Objects
Business Data

```
<customer.information name =  
"Fred's SuperStore">  
<billing.address>  
<address.contact.name = "Joe  
Meyer"  
contact.phone = "925-555-1234"  
detail = "123Main Street,  
SomeTown,CA 99999">
```

Model
Layer (M1)

Business Collaboration
Models
Business Collaboration
Schemas

CustomerInformation,
SubmitRegistrationRequ
est, Buyer, Seller

[Models, Interfaces, BE
& BO]

Meta Model
Layer (M2)

UMM Meta Model
UML Meta Model

UML::Class, Attributes,...

[UML, UMM]

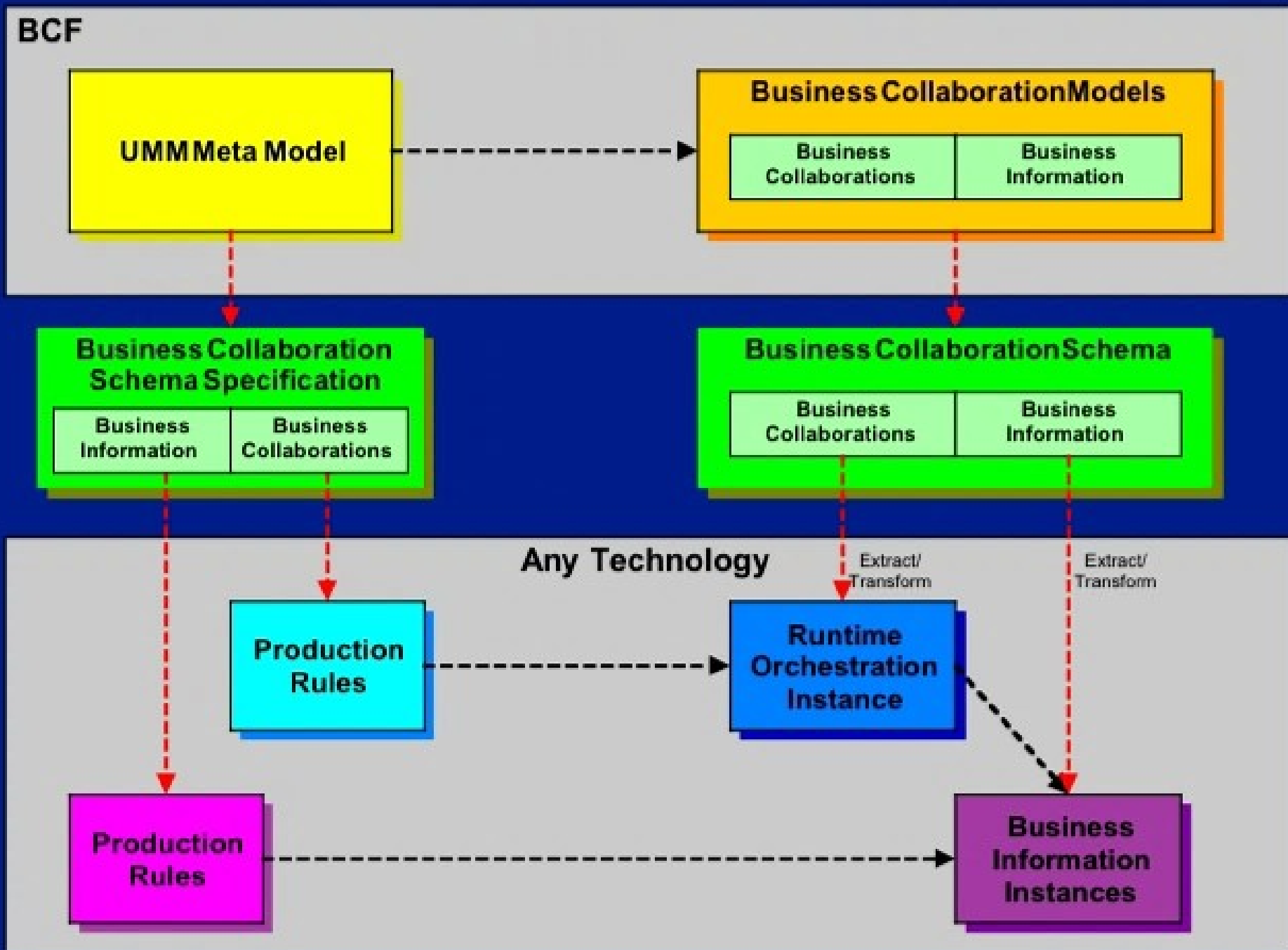
Meta -Meta
Model
Layer (M3)

MOFDTD/Schema
Schema of Schema!!

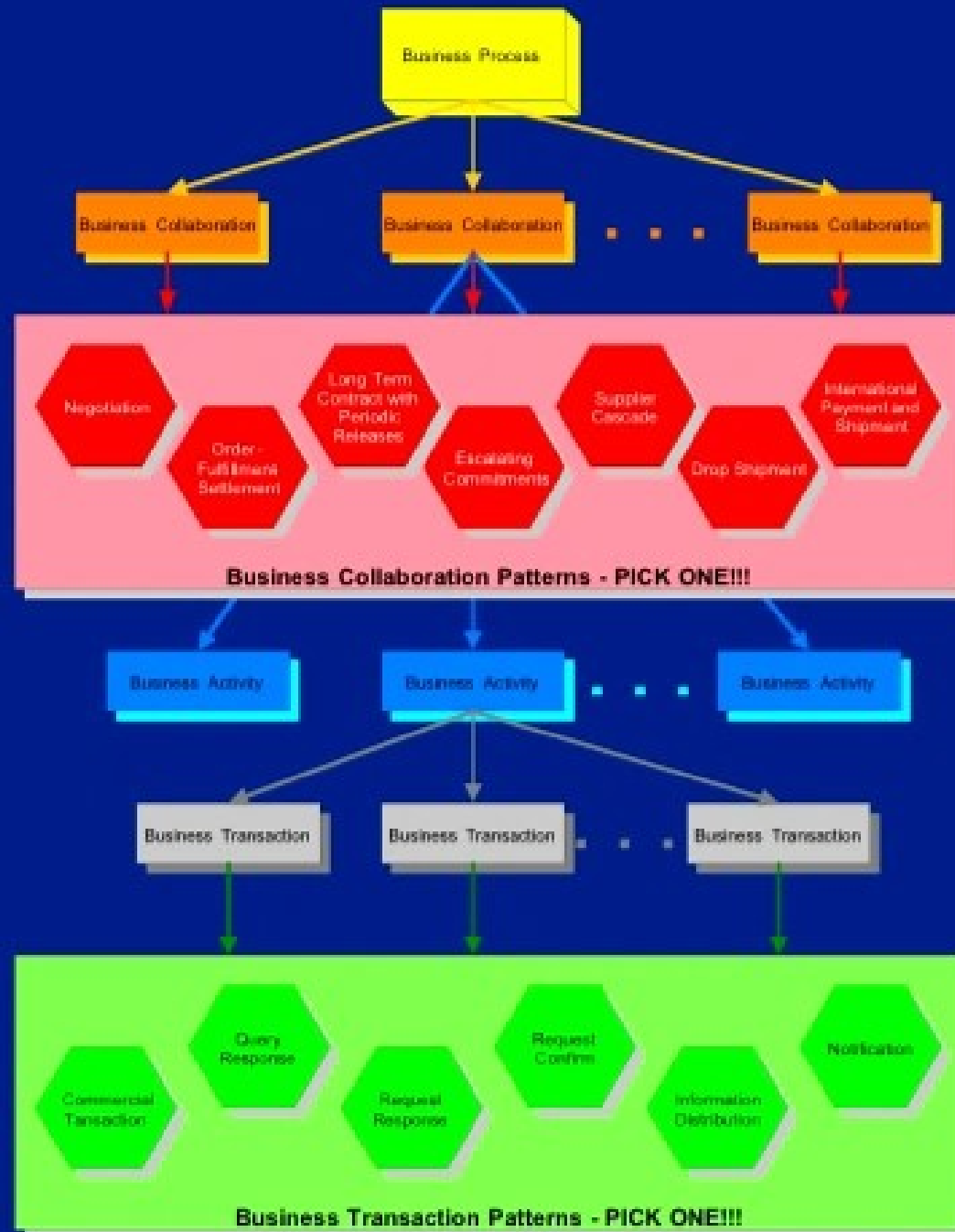
MOF: Class
MOF: Attribute
MOF: Operation

[MOF]

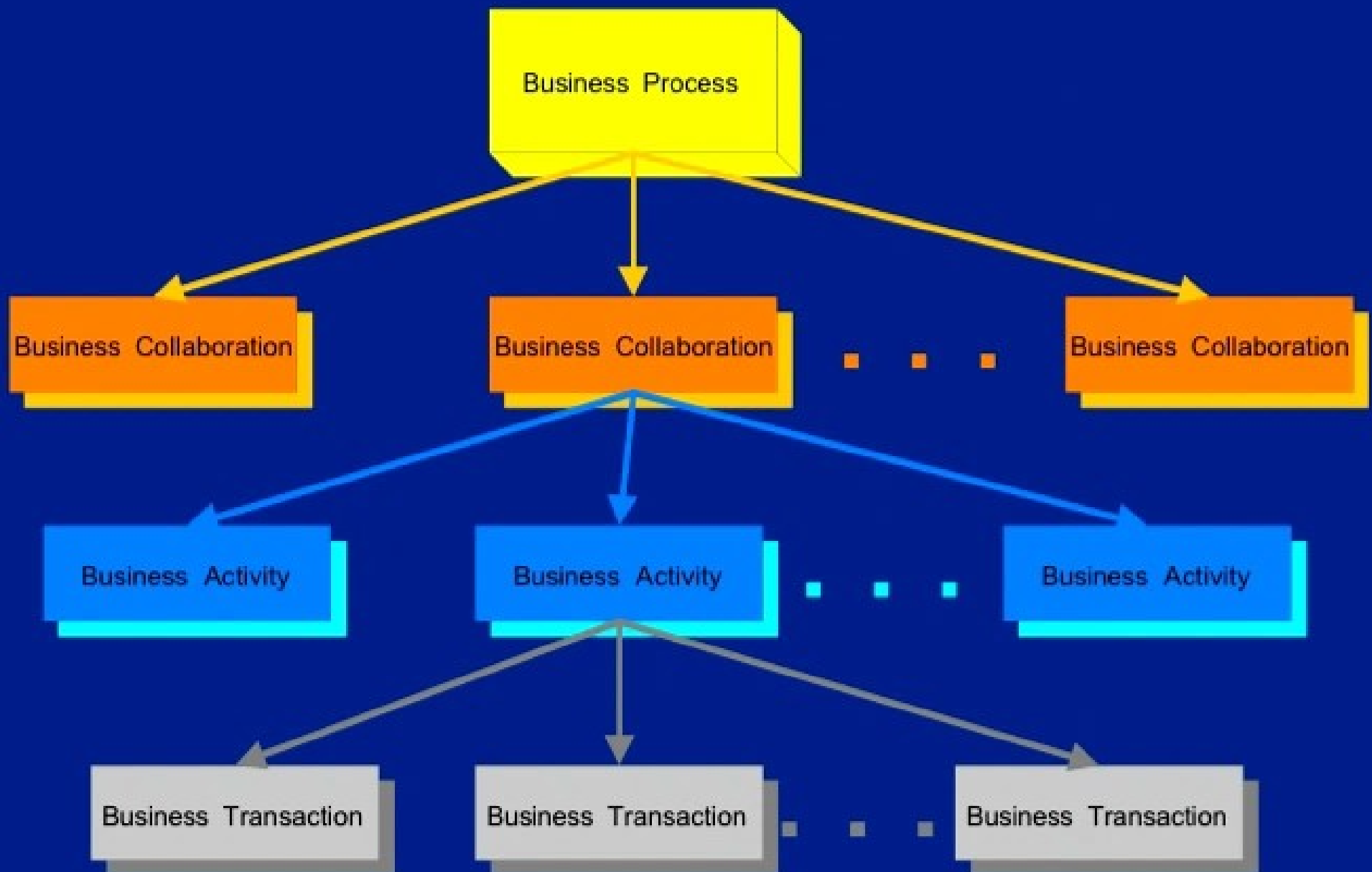
BCF to "any" Technology Implementation



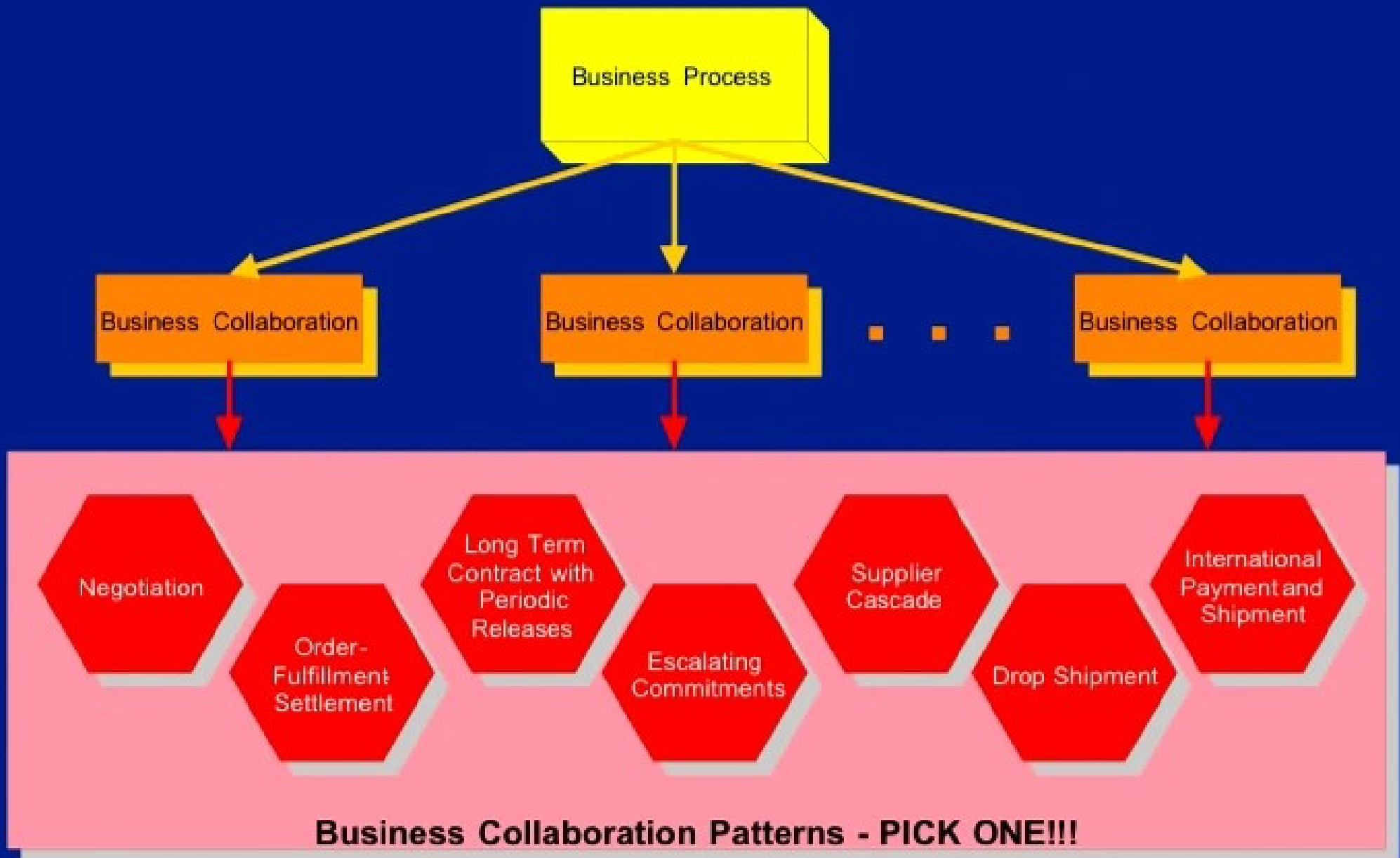
The Big Picture



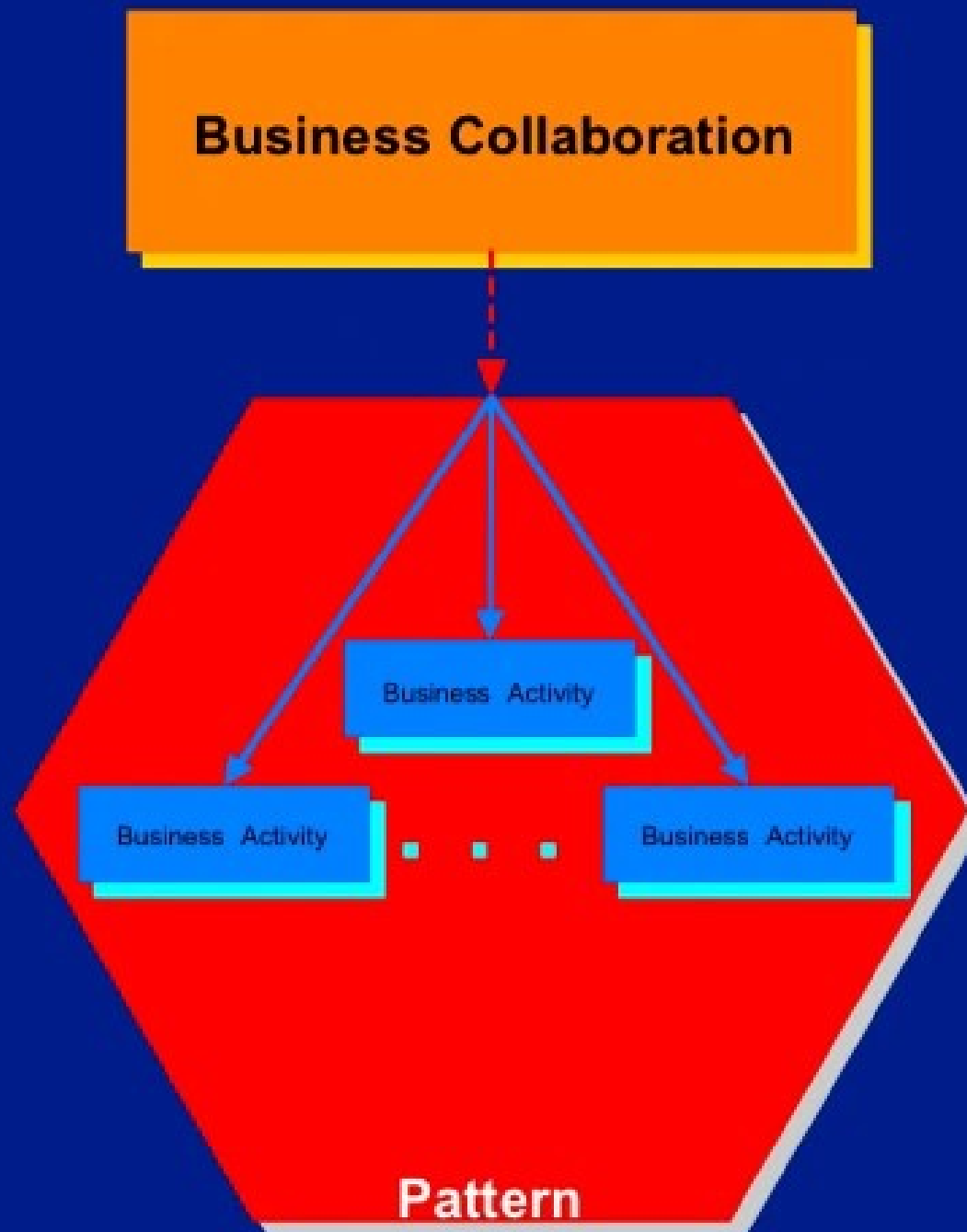
The 50,000 ft View



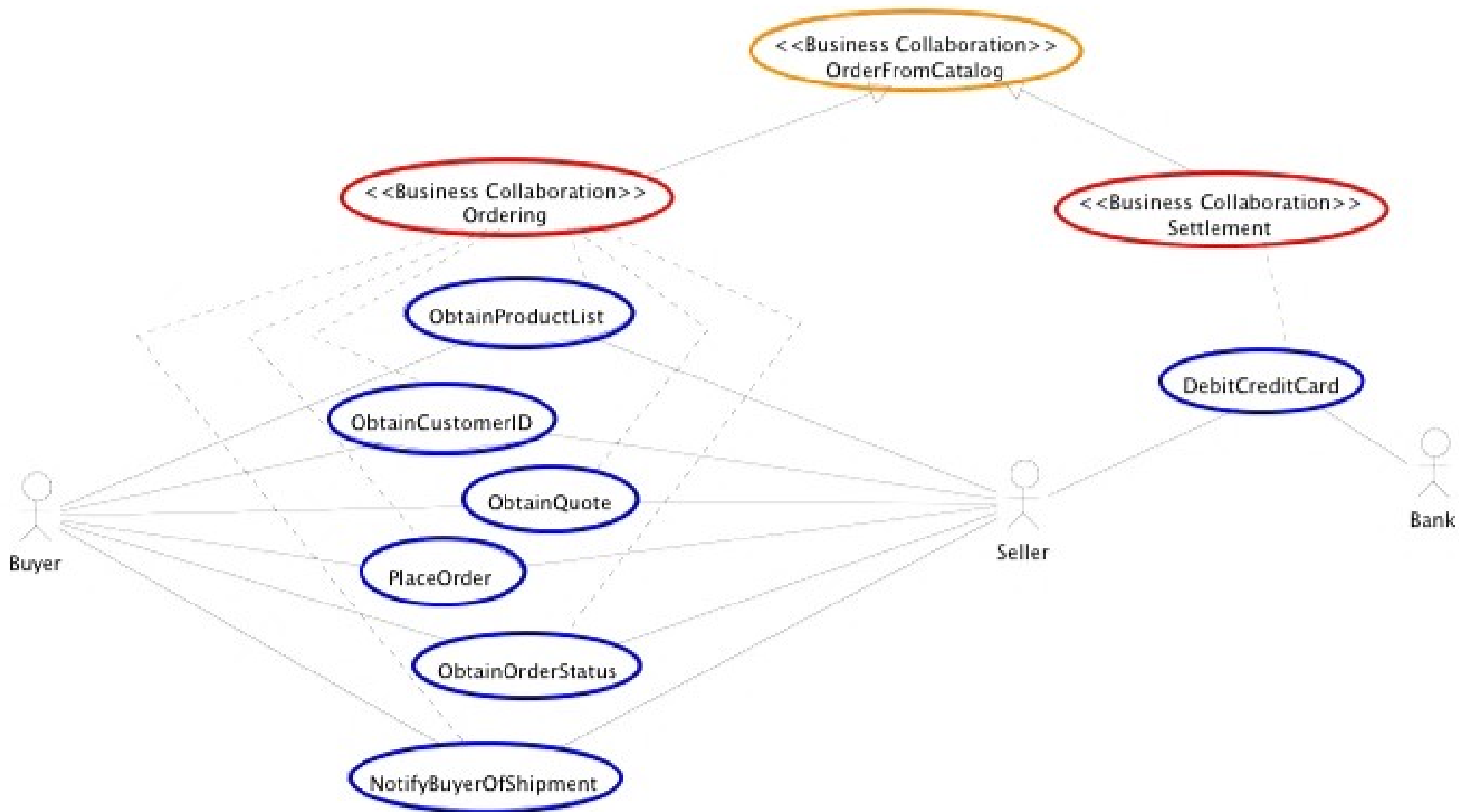
Business Collaboration Patterns



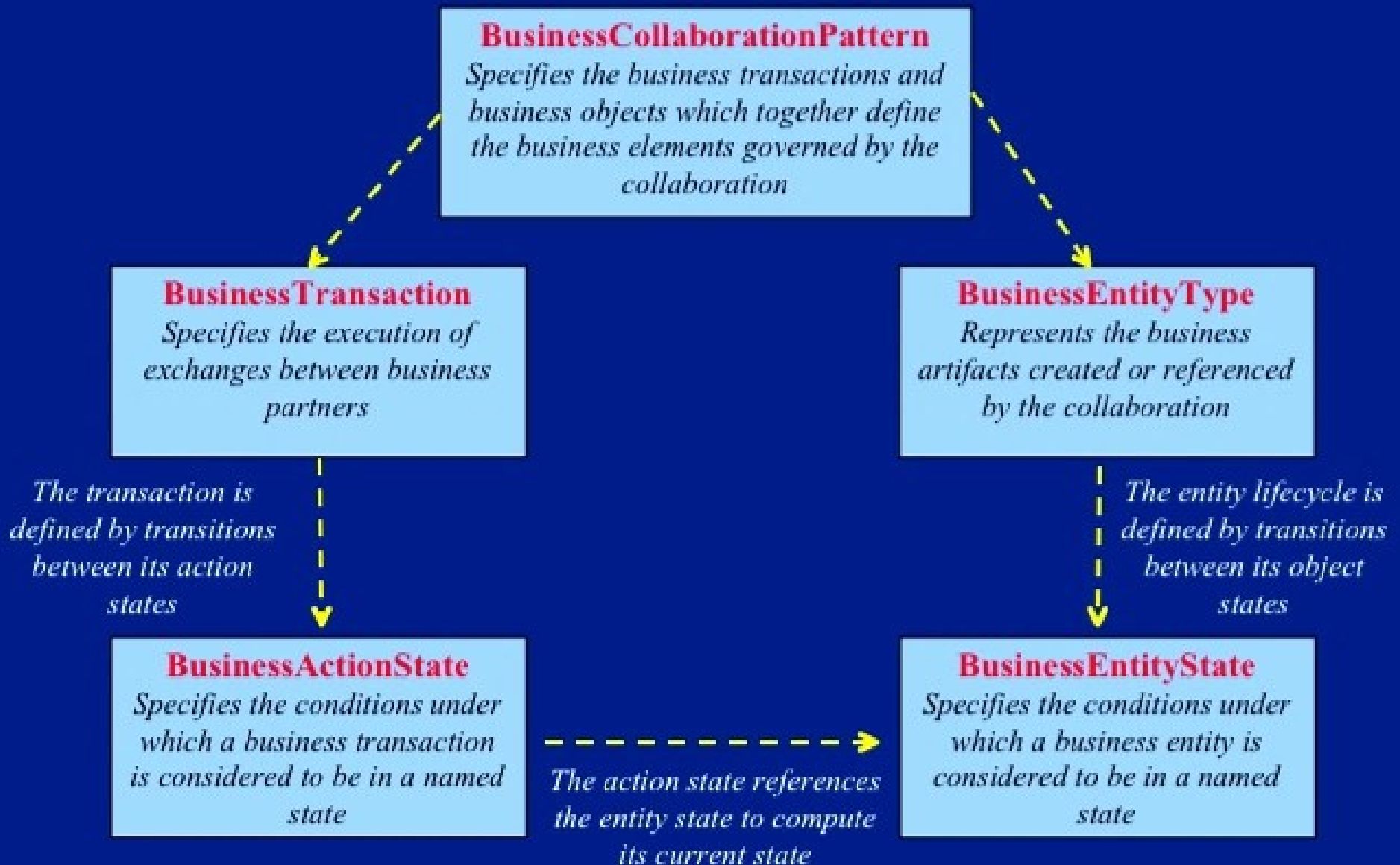
Business Collaboration Pattern

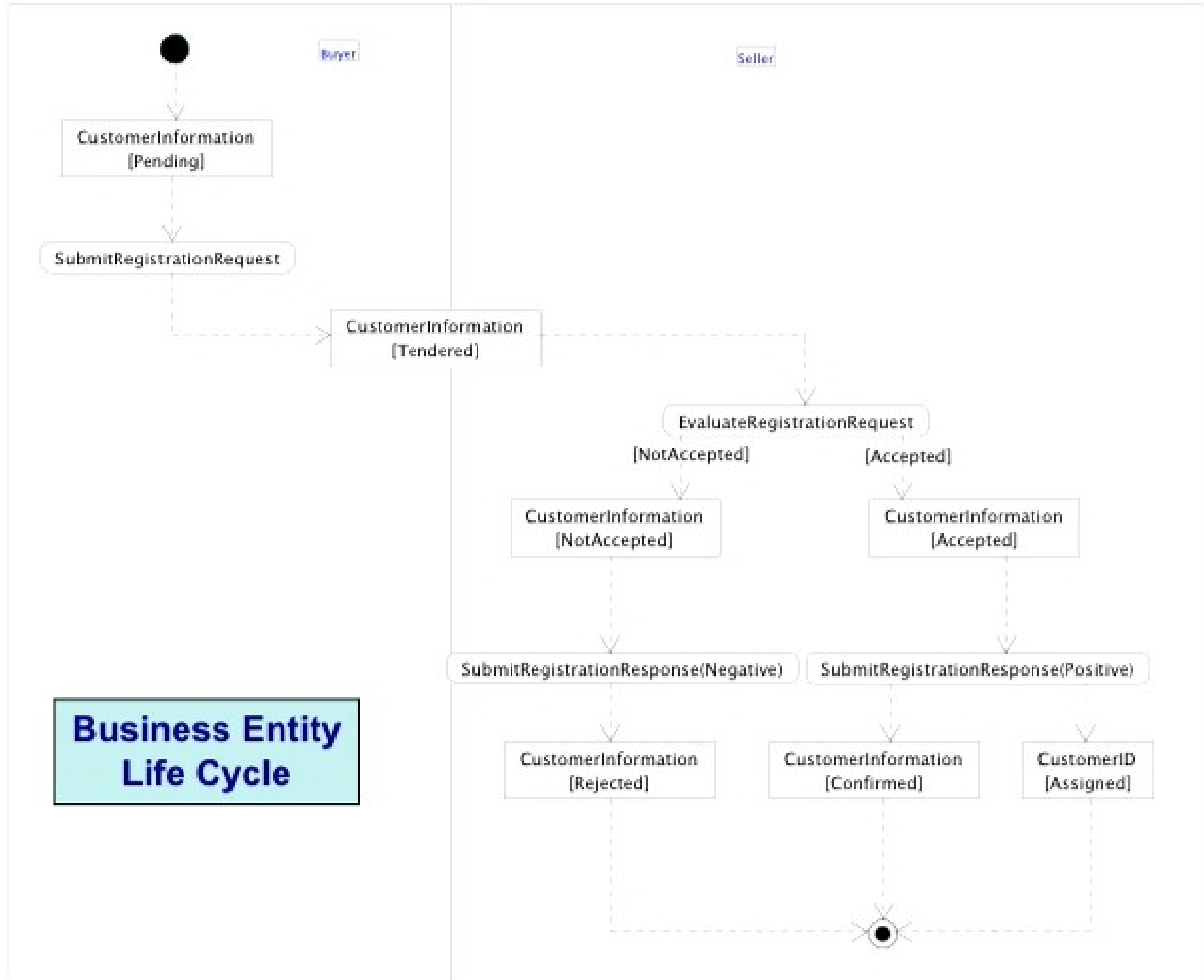


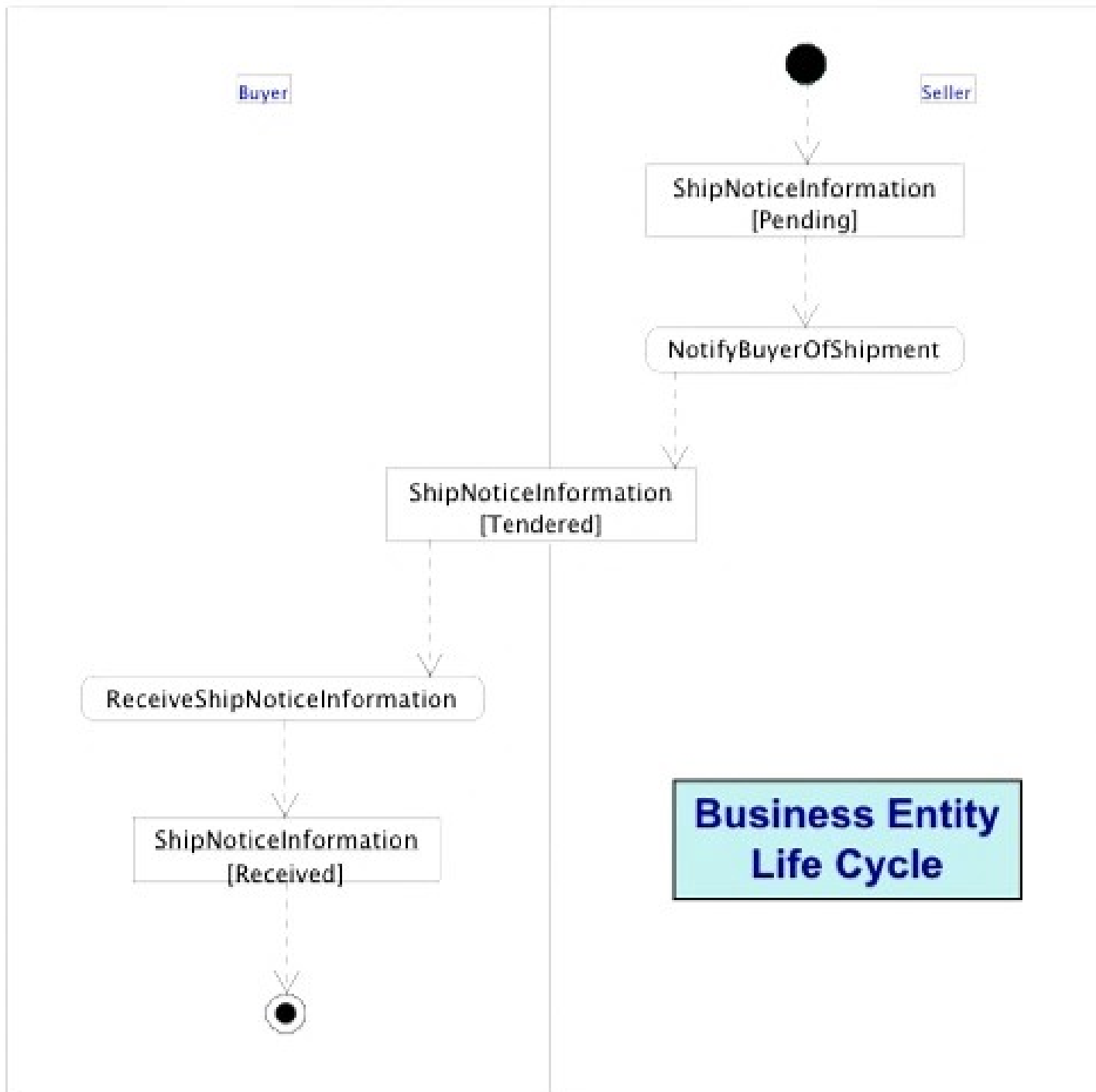
Business Requirements View
Order From Catalog - Business Collaboration



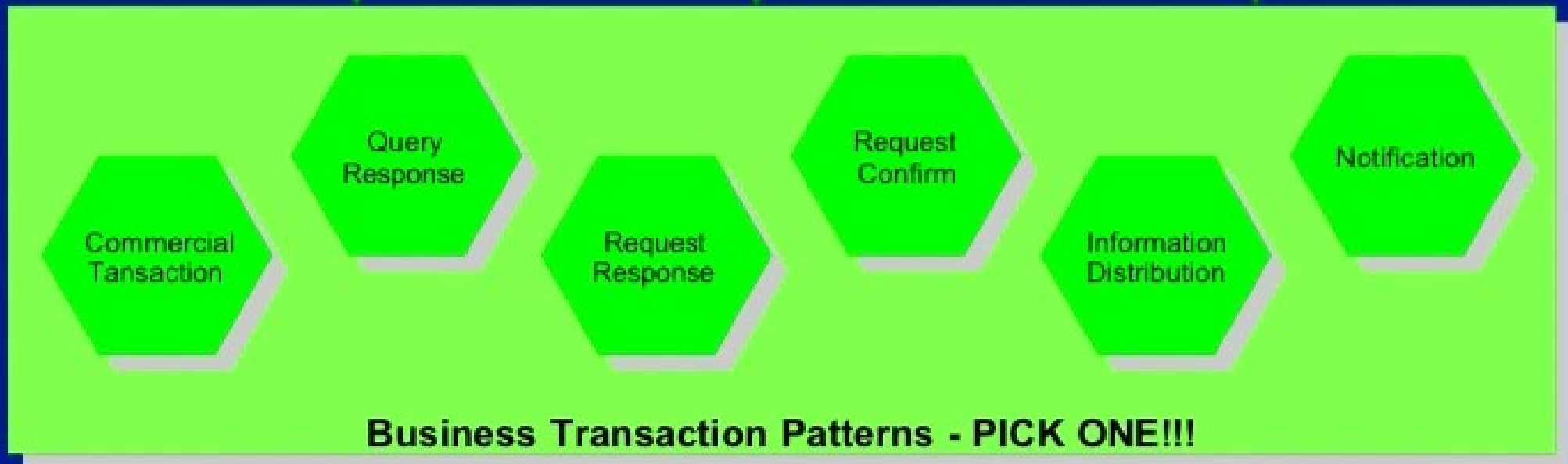
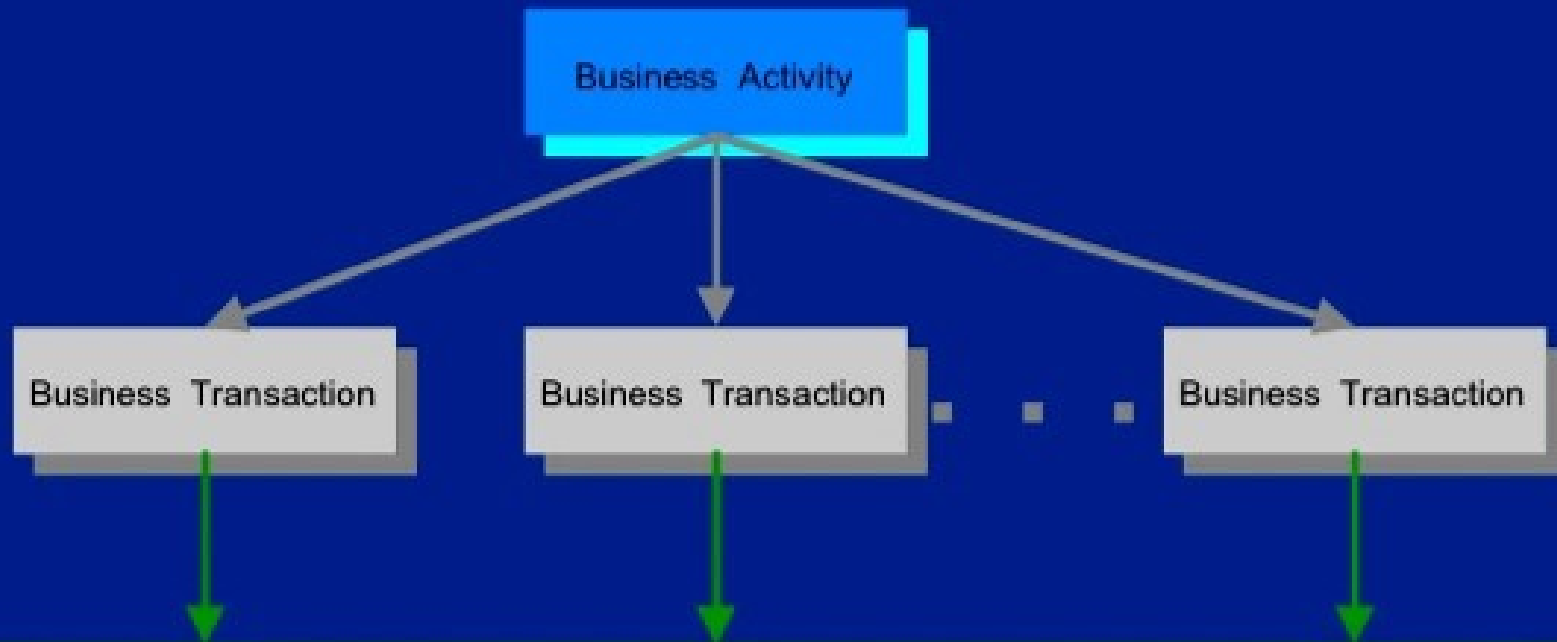
Collaboration Pattern



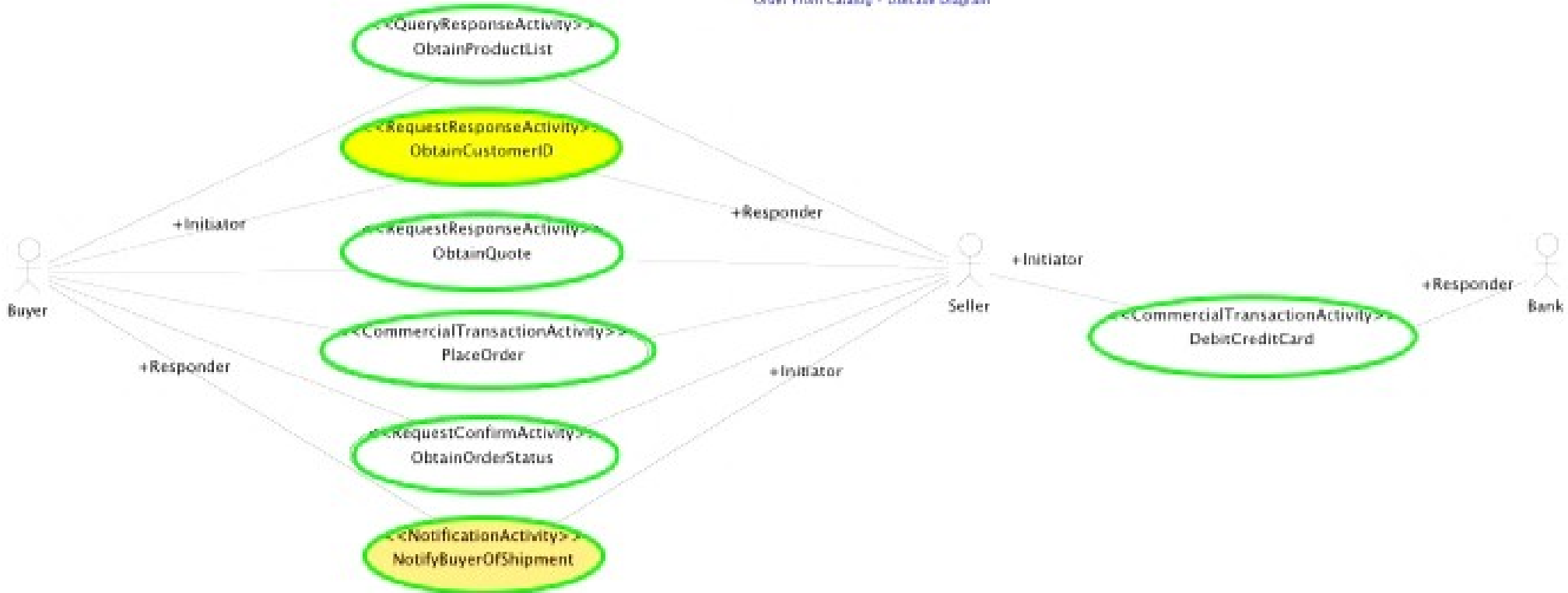




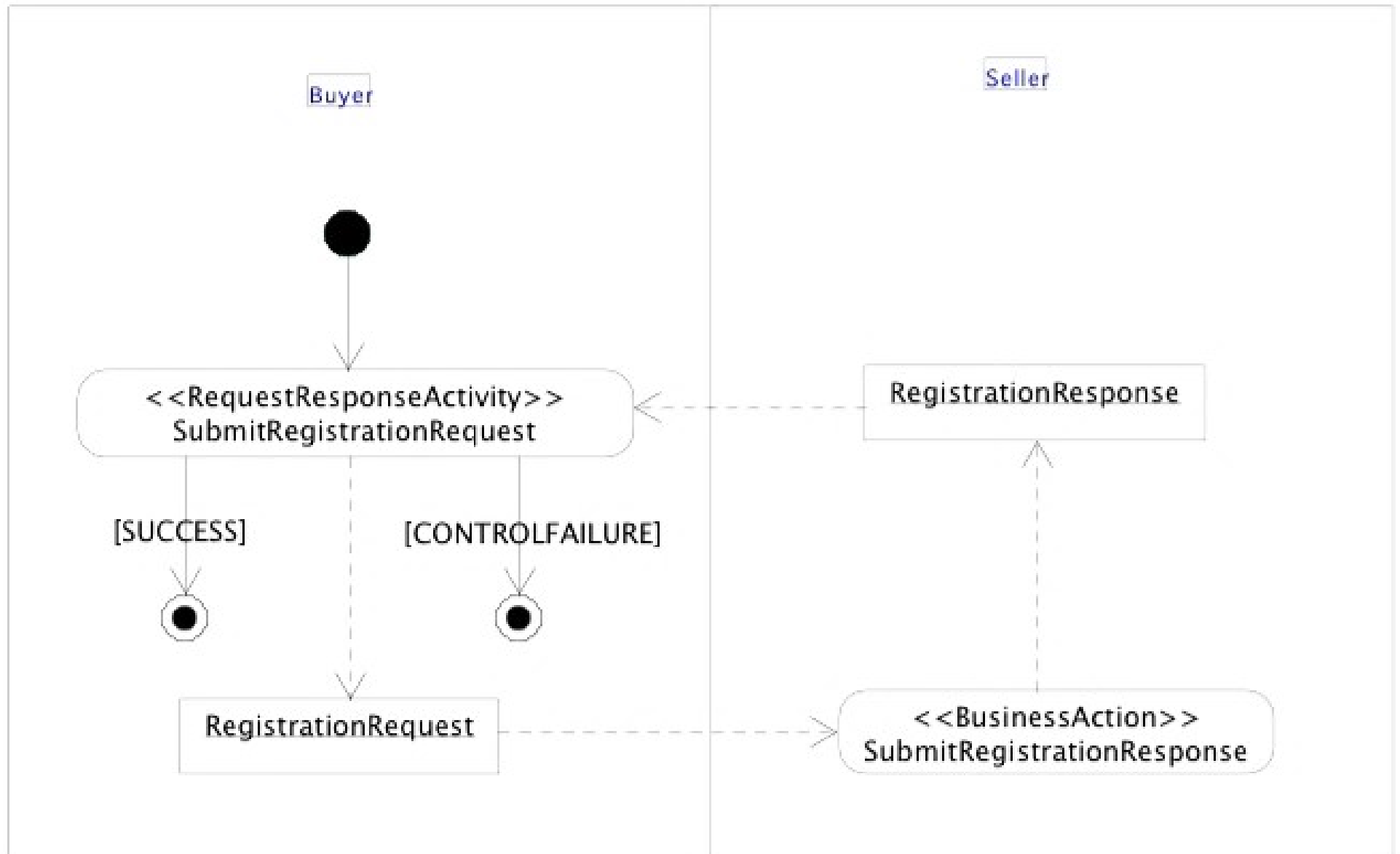
Business Transaction Patterns



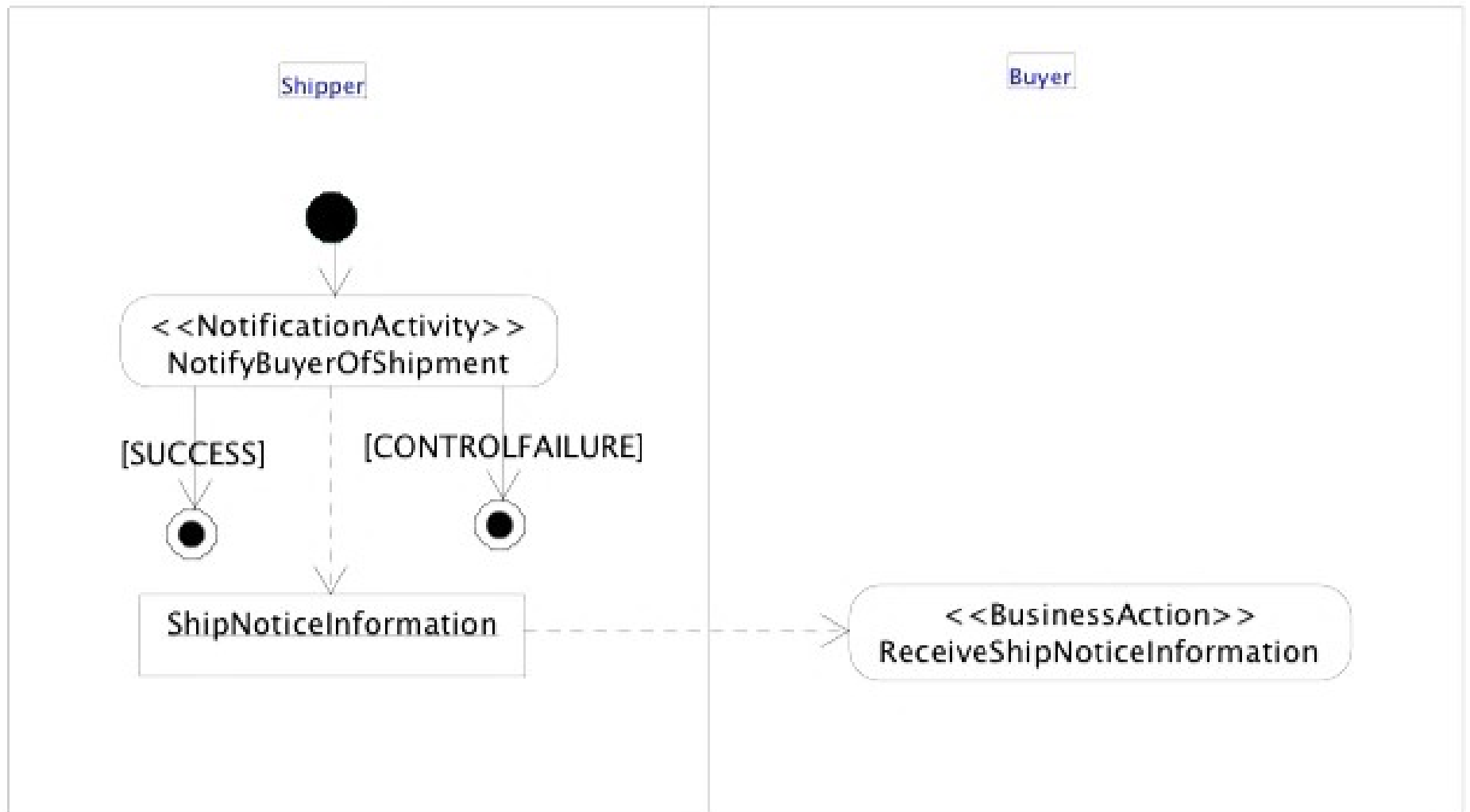
Business Transaction View
Order From Catalog - Use Case Diagram



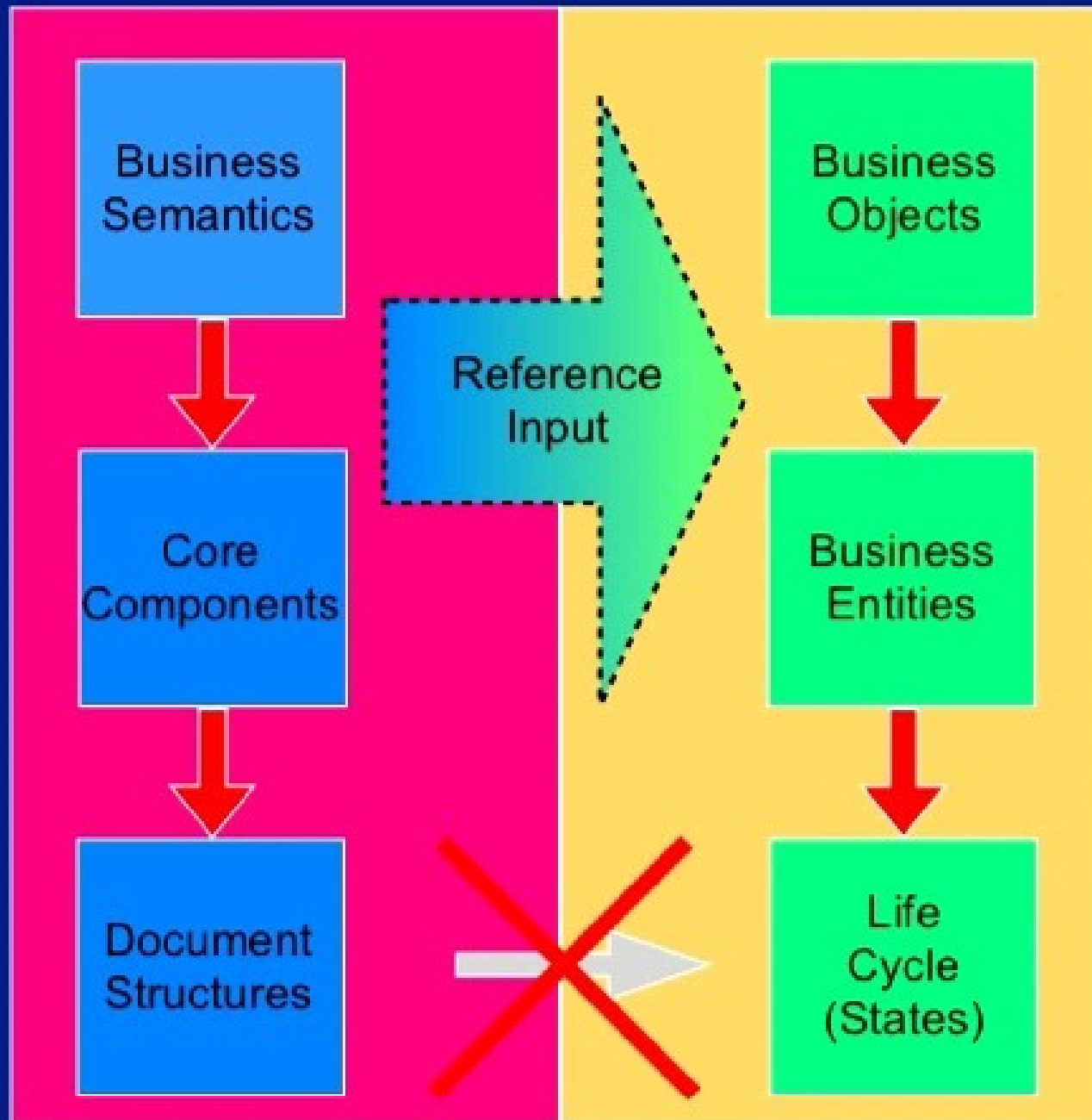
Business Transaction View
Order From Catalog - Obtain CustomerID
Define Business Transaction



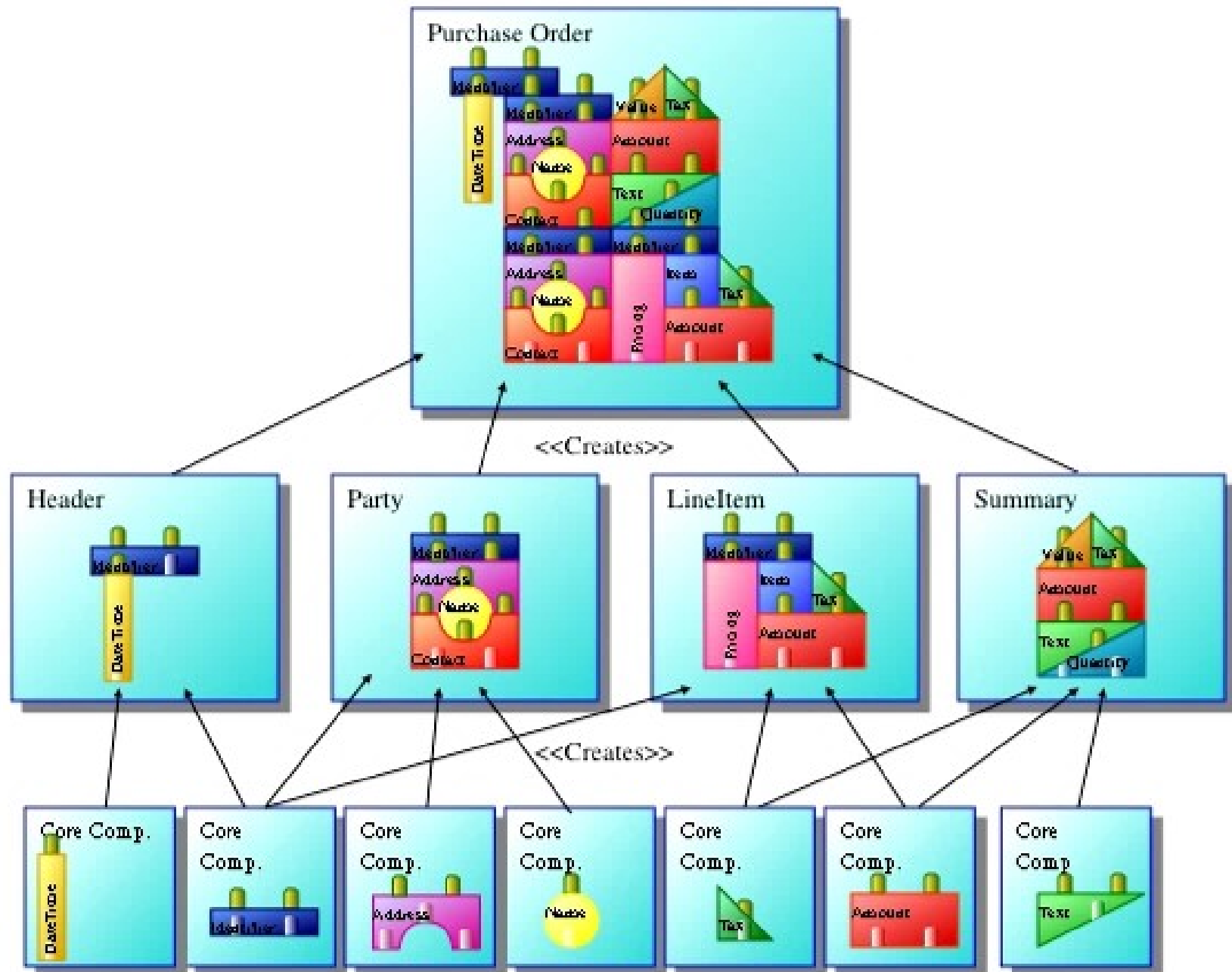
Business Transaction View
Order From Catalog - Notify Buyer Of Shipment
Define Business Transaction

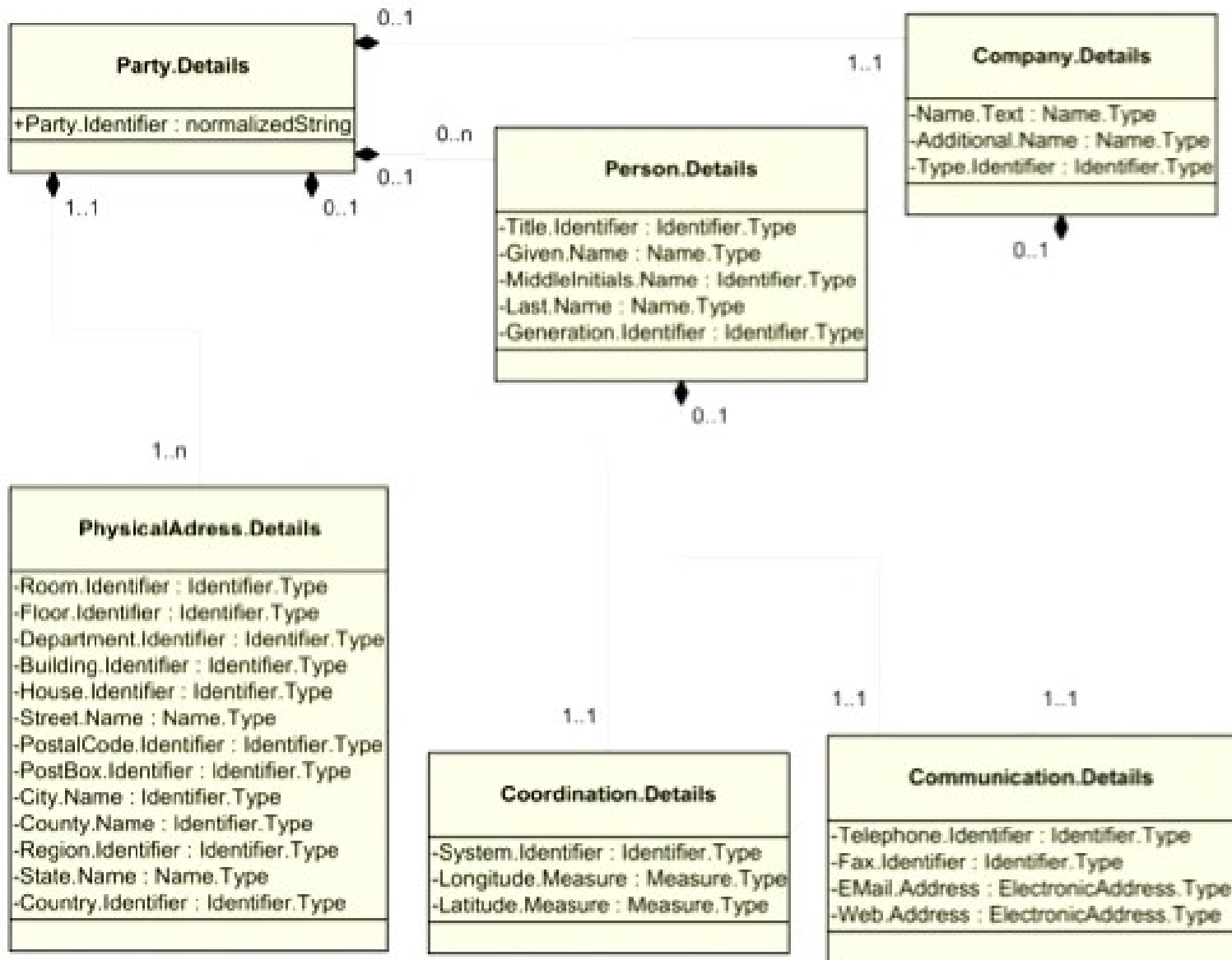


Core Components/Business Objects



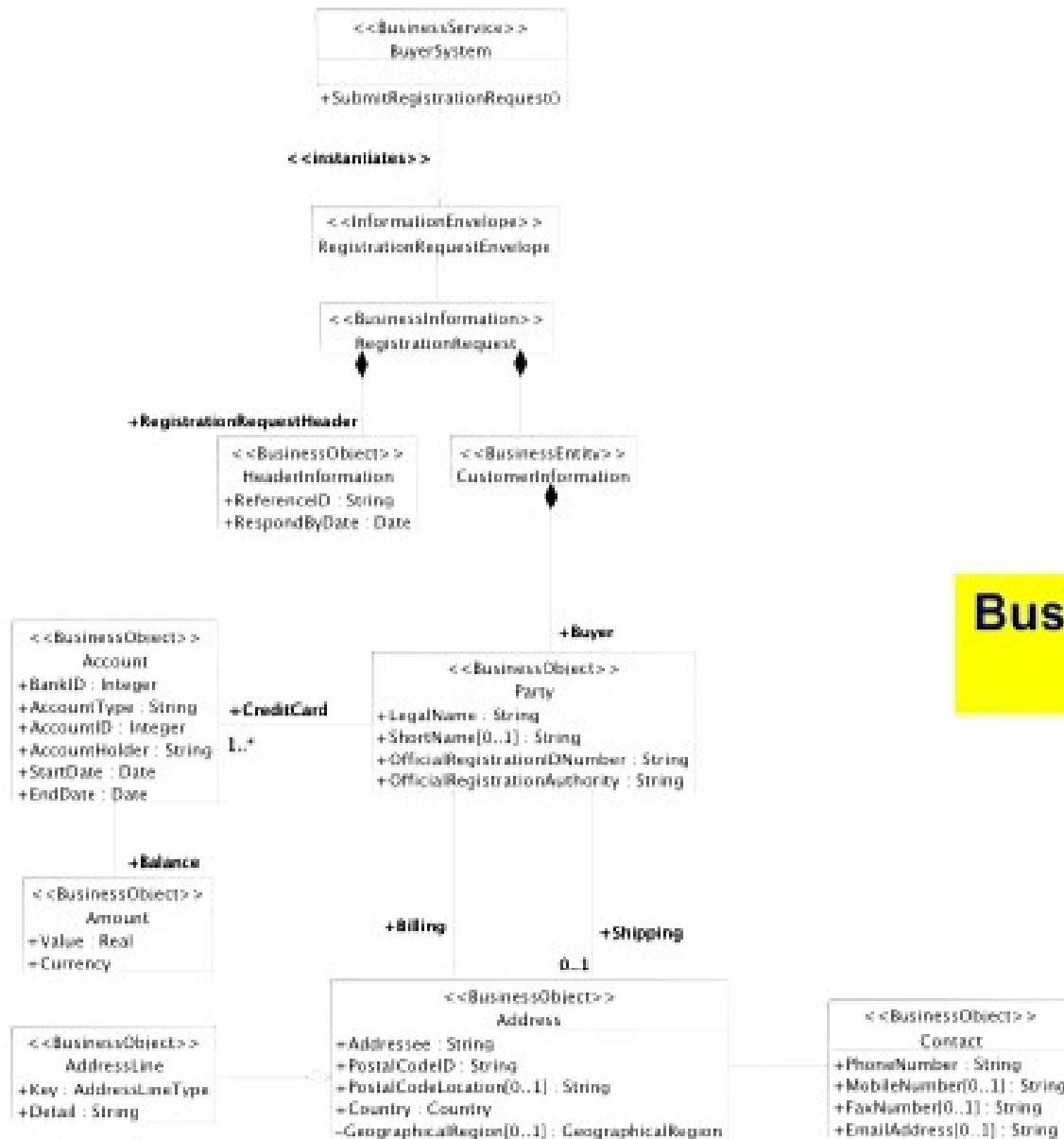
Core Component Overview





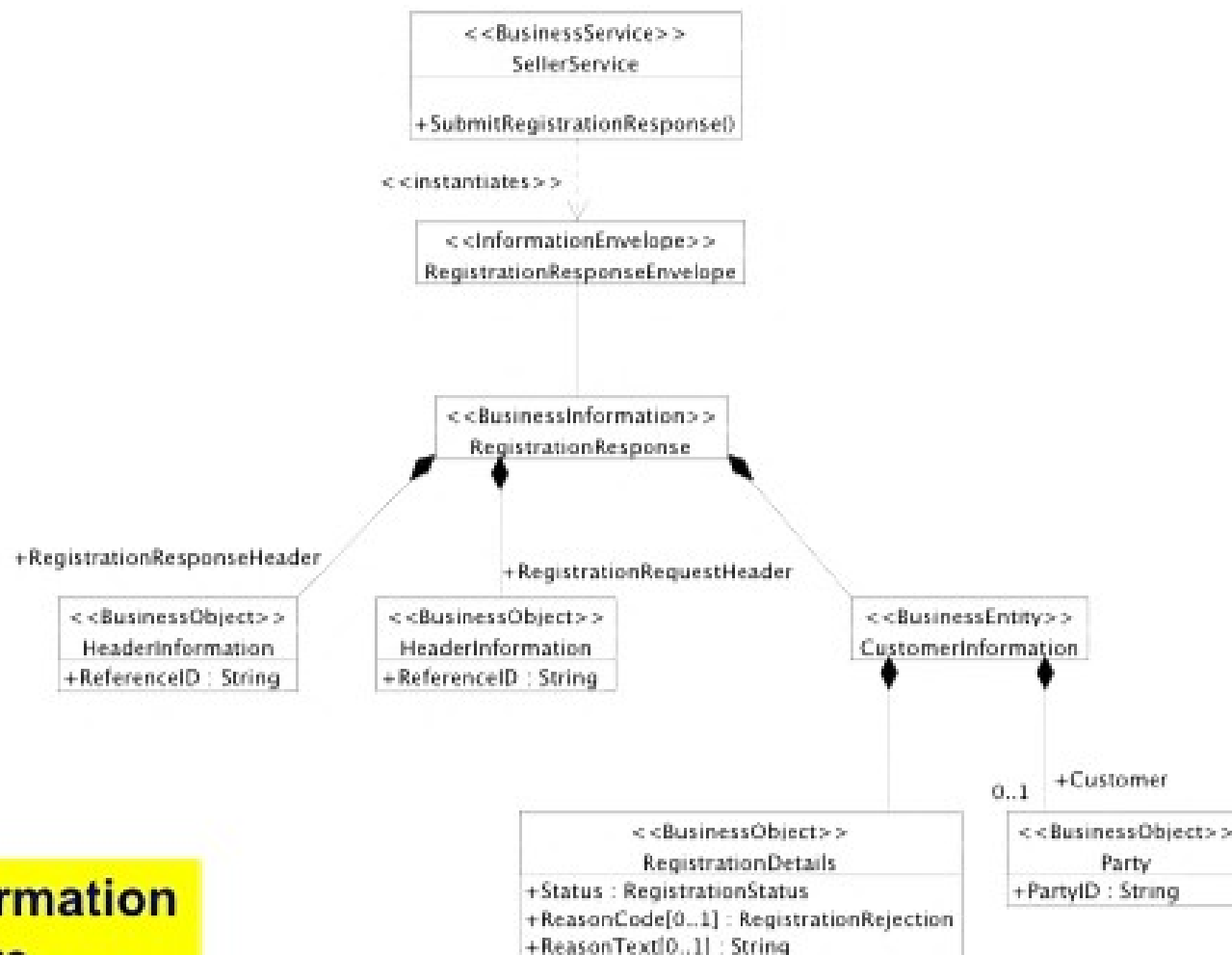
Core Component Class-Diagram

Business Transaction View
 Order From Catalog · Final Business InformationModel · ObtainCustomerID
 RegistrationRequest

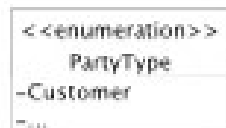


Business information Structure





Business information Structure



**BCF enables anyone, anywhere
to do business with anyone else**



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SIMPLE, TRANSPARENT AND EFFECTIVE PROCESSES
FOR GLOBAL BUSINESS