Description of

Partner Interface Process® for 2A1

Validated 11.01.00

Specification Information	
Name	Distribute Product Catalog Information
Cluster	Product Information
Segment	Preparation for Distribution
Publication Date	30 May 2012
Version Identifier	V11.01

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1 Document Management

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1.4 Acknowledgments

This document has been prepared by RosettaNet (http://www.rosettanet.org/) from requirements gathered during the Milestone Program and in conformance with the methodology. Listed below are the legal entities that contributed to the design and development of this PIP.

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1.5   Related Documents

- Associated PIP Message Schemas (included within the PIP Specification package only)

- Description of 2A1 Message

- Messages Structure

- XML instance of ebXML BPSS for PIP 2A1

1.6   Document Version History

Version	Date	Description
V11.00.00	23 Jun 2008	RosettaNet Schema to Market to Validation 2008
V11.01.00	30 May 2012	Updated Version

1.7   Document Structure

A Partner Interface Process (PIP) Specification is comprised of the following two parts:

1. **Business Process.** Captures the semantics of the business process and the flow of the message exchange between roles as they perform business activities.

2. **Network and Implementation Specification.** Specifies the network protocol message formats and communications requirements between peer-protocols supported by network components in the RosettaNet Implementation Framework.

2 Business Process

2.1 Business Process Definition

The "Distribute Product Catalog Information" Partner Interface Process (PIP) enables a buyer to manage the procurement of a specific item from a seller, thereby reducing costs throughout the supply chain by reducing key strokes, errors and the effort to publish & maintain product sales information. The intent of this PIP is used for procurement processes only. Its use will be for sales and marketing purposes. This PIP will also provide the capability to automate the push of product sales information to partners.

Product catalog information will be distributed to a partner in 3 main scenarios:

1) To publish a Whole (brand new full) catalog;

   ▪ Catalog publisher issues a new catalog with a new ID

2) To replace a Whole (existing full catalog) with all new data;

   ▪ Catalog publisher replaces a previously issued catalog with a new catalog including a new ID

3) To update deltas for an entire product. (not subsets of one block – must update all categories) There will be the capability to send complete or partial load of products with a qualifier to identify the dataset that is sent. Every trading partner manages versions internally, there is no specified standard on when to update the version id for a partial or full replace, and reloads are out of scope.

Catalog publisher updates certain products in a previously issued catalog with the same ID.

2.2 PIP Scope Description

The purpose of this PIP is to convey a list of one or more products with attributes complete and sufficient to allow the procurement process of the trading partner to take action. It will only include procurement data not technical data. Eight new categories has been identify for this purposes, they are as follows:

- Catalog Descriptor - Header data

- Product Master Identification

- Physical Attributes

- Ordering Instructions

- Pricing

- Availability

- Life Cycle

- Marketing Instructions

2.3   PIP Business Document

Business Document are generated and exchanged by roles performing activities in this PIP. Business Document is listed and defined in Table 1.

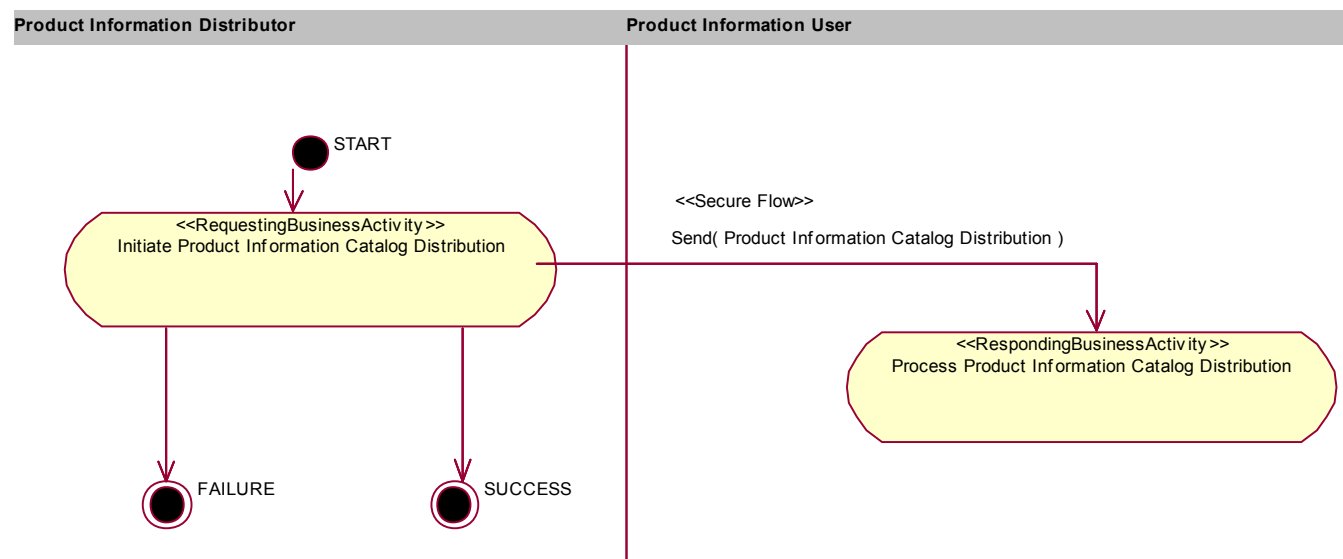| Table 1: PIP Business Document	
Business Document	**Description**
Product Information Catalog Distribution	A product catalog information notification that contains procurement information.

2.4   PIP Business Process Flow Diagram

Figure 1: Activity Diagram of Distribute Product Catalog Information

2.5 PIP Start State

The start state is comprised of the following conditions:

Table 2: PIP Start State							
		Exist					
	Approved	Party	In Backend System	Valid	Non-Repudiated	Retry Count	Authorized
TPA	✓		✓				
Sending Partner		✓		✓			
Receiving Partner		✓					
Business Document			✓	✓			

2.6 PIP End States

The end state is comprised of the following conditions:

Table 3: PIP End State							
		Exist					
	Approved	Party	In Backend system	Valid	Non-Repudiated	Retry Count	Authorized
Acknowledgment of Receipt			✓	✓			
Receiving Partner							✓

The PIP failure state is comprised of one or more of the following conditions

Table 4: PIP Failure State		
	NO	Exceeded
Success	✓	
Retry Count		✓

2.7   Partner Role Description

Table 5 describes the partner roles in this PIP:

Table 5: Partner Role Description	
Role Name	**Role Description**
Product Information Distributor	The organization that generates the catalog.
Product Information User	The organization that receives and uses or processes the product information.

2.8   Business Process Activity Controls

Table 6 describes the interaction between roles performing business activity in this PIP.

Table 6: Business Activity Description		
Role Name	**Activity Name**	**Activity Description**
Product Information Distributor	Initiate Product Information Catalog Distribution	The Product Information Distributor distributes Product Catalog Information to a Product Information User.

Table 7 details the security, audit and process controls relating to activity performed in the PIP.

Table 7: Business Activity Performance Control							
		Acknowledgment of Receipt					
Role Name	**Activity Name**	**Non-Repudiation Required?**	**Time to Acknowledge**	**Time to Perform**	**Retry Count**	**Is Authorization Required?**	**Non-Repudiation of Origin and Content?**
Product Information Distributor	Initiate Product Information Catalog Distribution	N	2hrs	N/A	3	N	N

3 Network and Implementation Specification

Each network component maps into a role of the PIP model. Table 8 specifies the mapping between roles and network components.

Table 8: Network Component Specification		
Network Component	**Classification**	**Maps to Role in Business Process**
Product Information Distributor Service	Business Service	Product Information Distributor
Product Information User Service	Business Service	Product Information User

3.1 Business Action and Business Signal Specifications

Each business action maps to a Business Document of the PIP model. Table 9 specifies the mapping between Business Documents and business actions.

Table 9: Business Action – Business Document Mapping		
Business Action	**Business Document**	**Document Function**
Product Information Catalog Distribution Action	Product Information Catalog Distribution	Request

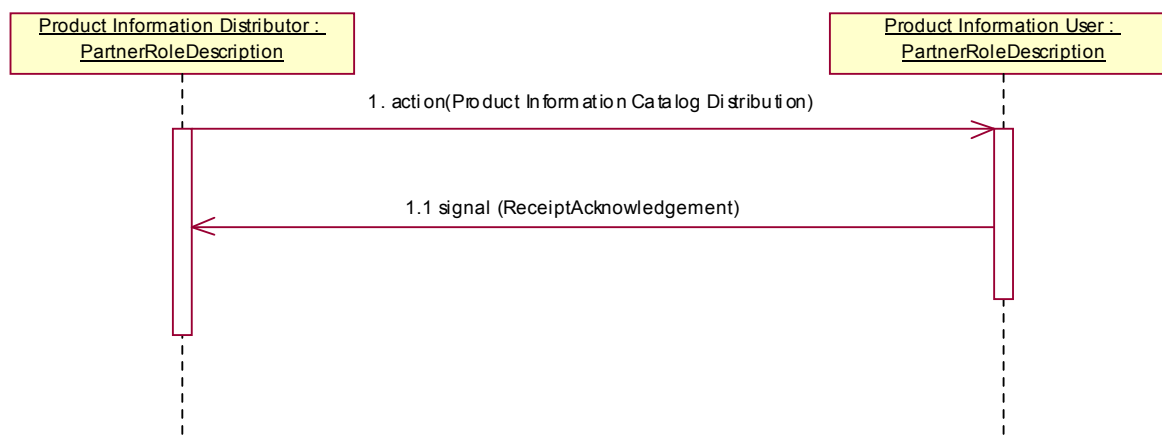## 3.2 Business Transaction Dialog Specification

Figure 2: Sequence Diagram of Distribute Product Catalog Information

3.2.1 Message Exchange Controls

#	Name	Time to Acknowledge Receipt Signal	Time to Respond to Action	Included in Time to Perform	Is Authorization Required?	Is Non-Repudiation Required?	Is Secure Transport Required?
	Table 10: Message Exchange Control						
1.	Product Catalog Information Notification Action	2hrs	N/A	N/A	N	N	Y
1.1.	Receipt Acknowledgment	N/A	N/A	N/A	N	N	Y

3.2.2 Communications Specification

#	Business Message	Digital Signature Required?	SSL Required?
	Table 11: Dialog: Service-Service		
1.	Product Catalog Information Distribution	N	Y
1.1.	Receipt Acknowledgment	N	Y

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