

Description of Partner Interface Process® for 3A18

Validated 11.01.00

Specification Information	
Name	Distribute Price And Availability Response
Cluster	Order Management
Segment	Quote and Order Entry
Publication Date	30 May 2012
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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.

1.5 Related Documents

- Associated PIP Message Schemas (included within the PIP Specification package only)
- Description of 3A18 Message
- Messages Structure
- XML instance of ebXML BPSS for PIP 3A18

1.6 Document Version History

<u>Version</u>	<u>Date</u>	<u>Description</u>
Validated 11.00.00	10 February 2010	MCC Program
Validated 11.01.00	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

The "Distribute Price And Availability Response" Partner Interface Process™ (PIP) enables a Product Supplier to respond to a product price and availability request, for a specific period of time, to a Customer. Price and availability checks are less formal than quotes and usually not reconciled with purchase orders.

A price and availability request may be complex and require business rule analysis to generate a response. To facilitate communications between the buyer and the supplier, the request includes both query lines and incomplete results lines. After processing the query, the supplier completes the results lines, adds additional product information as appropriate, and returns the information to the buyer. Should the responding document include information regarding a substitute product, it will require the requester to issue another price and availability request in order to obtain comprehensive information regarding the substitute product.

Should this transaction not complete successfully, the requesting partner executes PIP0A1, "Notification of Failure."

2.1 PIP Scope Description

This PIP provides a product supplier to respond to a product price and availability request of a customer.

2.2 PIP Business Documents

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

Table 1: PIP Business Document	
Business Document	Description
Price and Availability Response Notification	Provides response to Customer's query for price and availability.

2.3 PIP Business Process Flow Diagram

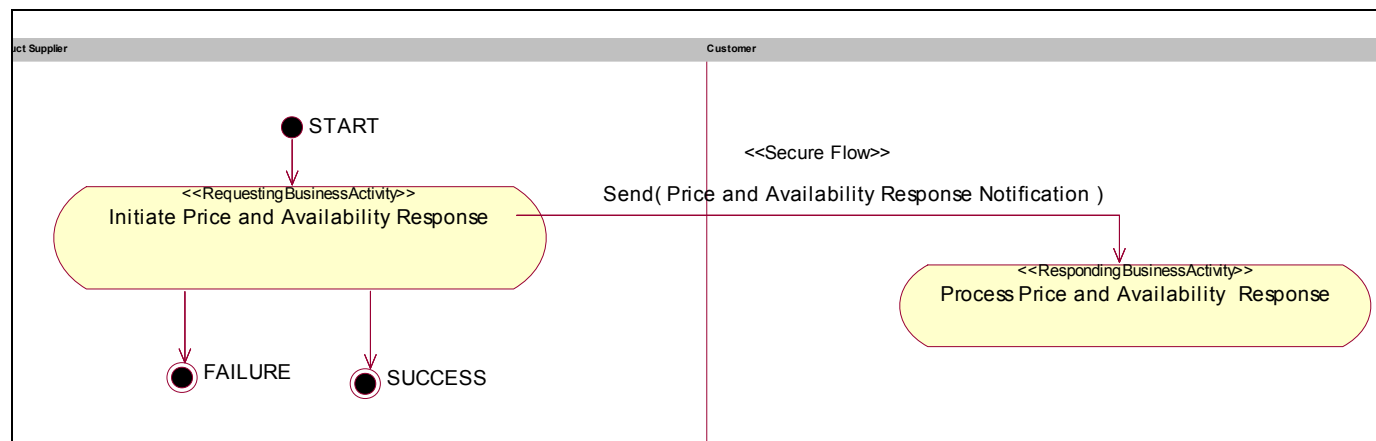


Figure 1: Activity Diagram

2.4 PIP Start State

The start state is comprised of the following conditions:

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

2.5 PIP End States

The end state is comprised of the following conditions:

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

2.6 Partner Role Descriptions

Table 5 describes the partner roles in this PIP.

Table 5: Partner Role Description	
Role Name	Role Description
Product Supplier	This partner role supplies product to customers in the supply chain.
Customer	This partner role creates a demand for a product or service.

2.7 Business Process Activity Controls

Table 6 describes the interactions between roles performing business activities in this PIP.

Table 6: Business Activity Description		
Role Name	Activity Name	Activity Description
Product Supplier	Distribute Price and Availability Response	Activity responds product price and availability from a Product Supplier to determine if the Product Supplier can fulfill the Customer's purchasing requirements.

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

Table 7: Business Activity Performance Control							
Role Name	Activity Name	Acknowledgment of Receipt		Time to Perform	Retry Count	Is Authorization Required?	Non-Repudiation of Origin and Content?
		Non-Repudiation Required?	Time to Acknowledge				
Product Supplier	Distribute Price and Availability Response	N	2 hrs	2 hrs	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
Customer Service	Business Service	Customer
Product Supplier Service	Business Service	Product Supplier

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
Price and Availability Response Notification Action	Price and Availability Response Notification	Response

3.2 Business Transaction Dialog Specification

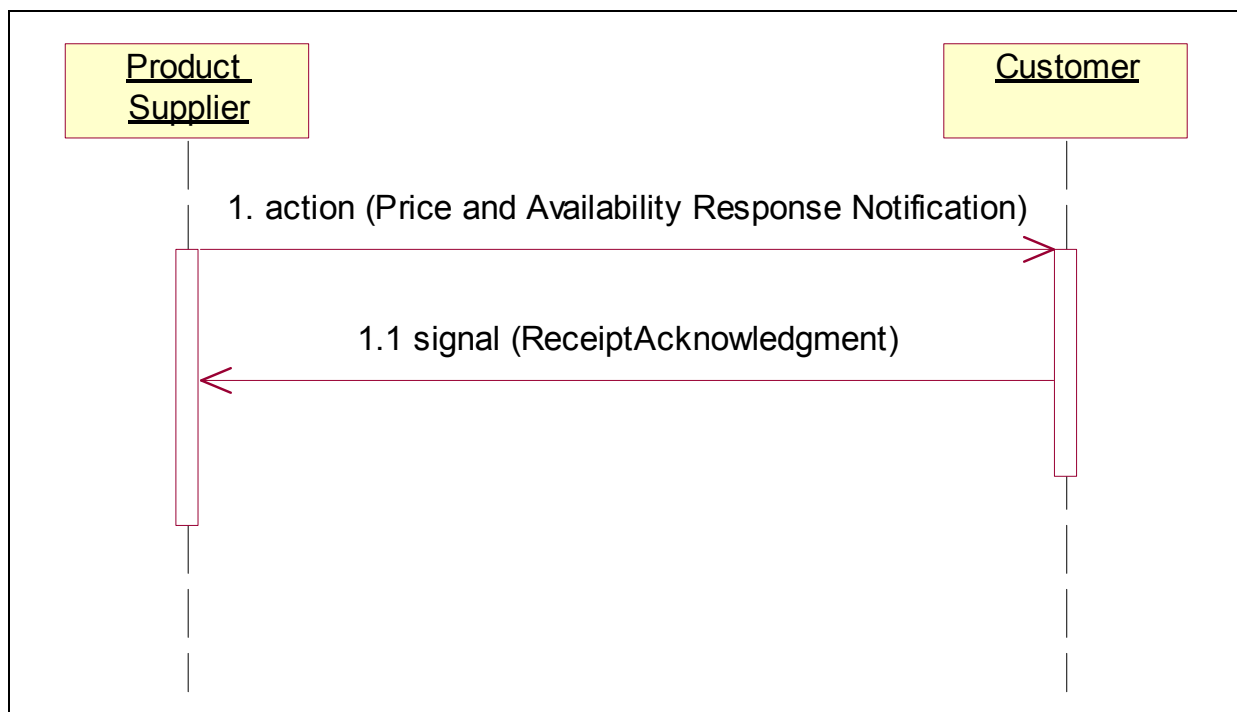


Figure 2: Sequence Diagram

3.3 Message Exchange Controls

Table 10: Message Exchange Control							
#	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?
1.	Price and Availability Response Notification Action	2 hrs	2 hrs	Y	N	N	Y
1.1.	Receipt Acknowledgment	N/A	N/A	Y	N	N	Y

3.4 Communications Specification

Table 11: Dialog: Service-Service			
#	Business Message	Digital Signature Required?	SSL Required?
1.	Price and Availability Response Notification	Y	Y
1.1.	Receipt Acknowledgment	Y	Y