

# Description of Partner Interface Process<sup>®</sup> for 3A8

**Validated 11.02.00**

<b>Specification Information</b>	
<b>Name</b>	Request Purchase Order Change
<b>Cluster</b>	Order Management
<b>Segment</b>	Quote and Order Entry
<b>Publication Date</b>	30 May 2012
<b>Version Identifier</b>	V11.02

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# 1 Document Management

## 1.1 Legal Disclaimer

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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 3A8 Message
- Messages Structure
- XML instance of ebXML BPSS for PIP 3A8

## 1.6 Document Version History

<u>Version</u>	<u>Date</u>	<u>Description</u>
Validated 11.00.00	11 July 2006	Validated Version
Validated 11.01.00	3 February 2010	Validated Version
Validated 11.02.00	30 May 2012	Validated 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

Enables a buyer to change purchase order line items and obtain a quick response from the seller that acknowledges, at the line level, if the changes are accepted, rejected, or pending.

#### 2.1.1 Business Process Description

The "Request Purchase Order Change" Partner Interface Process™ (PIP) enables a buyer to change a purchase order, and a seller to acknowledge if the changes are accepted, rejected, or pending. Changes to a purchase order may be initiated by the buyer or may occur after the receipt of a seller initiated change in PIP3A7, "Notify of Purchase Order Update."

If a seller acknowledges that the status of a product line item in a purchase order change is "pending," the seller may later use PIP3A7, "Notify of Purchase Order Update" to notify the buyer when the line is either accepted or rejected.

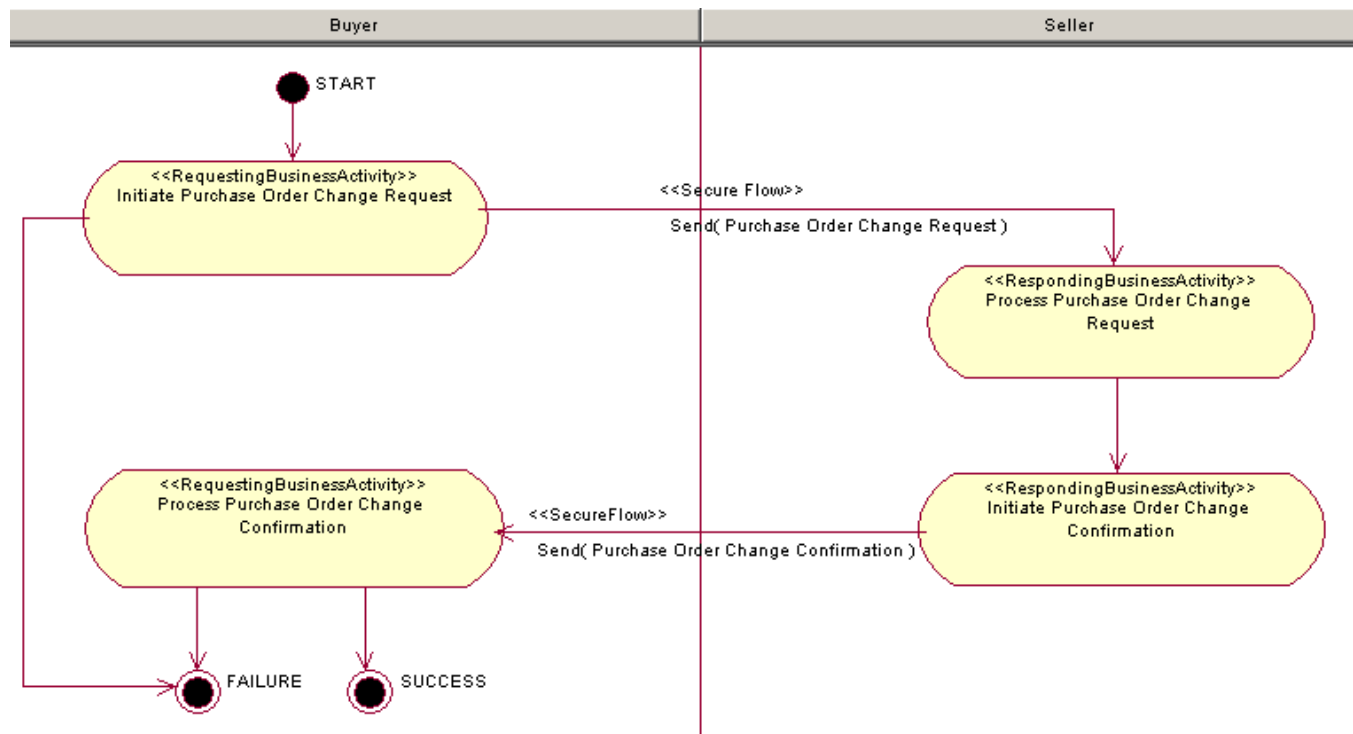
Should this transaction not complete successfully, the requesting partner executes PIP0A1, "Notification of Failure."

### 2.2 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
Purchase Order Change Request	Requests change of an existing purchase order.
Purchase Order Change Confirmation	Confirms the status of line item(s) in a Purchase Order Change Request. A Purchase Order line item may have one of the following states: accepted, rejected, or pending.

## 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 (Purchase Order Change Request)			✓	✓	✓		

## 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							✓
Business Document (Purchase Order Change Confirmation)			✓	✓	✓		

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
Seller	An employee or organization that buys products for a partner type in the supply chain.
Buyer	An organization that sells products to partners in the supply chain.



## 2.7 Business Process Activity Controls

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

<b>Table 6: Business Activity Description</b>		
<b>Role Name</b>	<b>Activity Name</b>	<b>Activity Description</b>
Buyer	Request Purchase Order Change	This activity requests changes to a Purchase Order. The Seller acknowledges, at the line level, if the changes are accepted, rejected, or pending.

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

<b>Table 7: Business Activity Performance Control</b>							
<b>Role Name</b>	<b>Activity Name</b>	<b>Acknowledgment of Receipt</b>		<b>Time to Perform</b>	<b>Retry Count</b>	<b>Is Authorization Required?</b>	<b>Non-Repudiation of Origin and Content?</b>
		<b>Non-Repudiation Required?</b>	<b>Time to Acknowledge</b>				
Buyer	Request Purchase Order Change	Y	2 hrs	24 hrs	3	Y	Y

### 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
Buyer Service	Business Service	Buyer
Seller Service	Business Service	Seller

#### 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
Purchase Order Change Request Action	Purchase Order Change Request	Request
Purchase Order Change Confirmation Action	Purchase Order Change Confirmation	Respond

#### 3.2 Business Transaction Dialog Specification

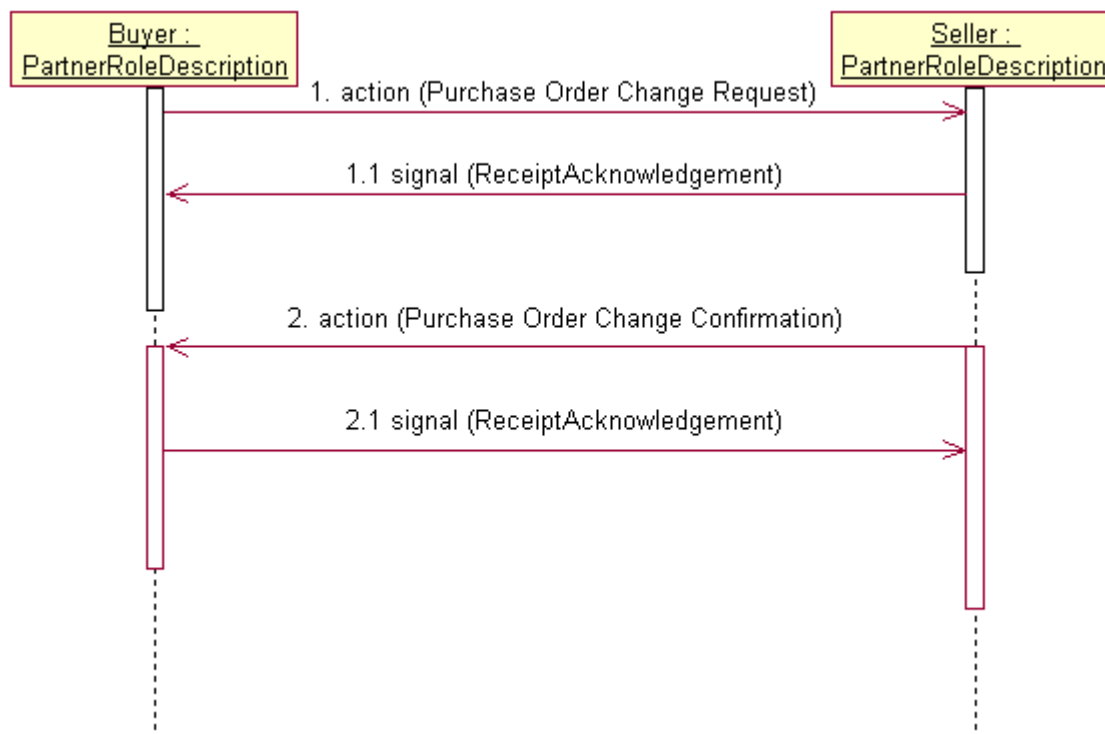


Figure 2: Sequence Diagram of Request Purchase Order Change

### 3.2.1 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.	Purchase Order Change Request Action	2 hrs	N/A	24 hrs	Y	Y	Y
1.1.	Receipt Acknowledgment	N/A	N/A	N/A	Y	Y	Y
2.	Purchase Order Change Confirmation Action	2 hrs	N/A	N/A	Y	Y	Y
2.1.	Receipt Acknowledgment	N/A	N/A	N/A	N	Y	Y

### 3.2.2 Communications Specification

Table 11: Dialog: Service-Service			
#	Business Message	Digital Signature Required?	SSL Required?
1.	Purchase Order Change Request	Y	Y
1.1.	Receipt Acknowledgment	Y	Y
2.	Purchase Order Change Confirmation	Y	Y
2.1.	Receipt Acknowledgment	Y	Y