Description of

Partner Interface Process® for 3C4

Validated 11.05.00

Specification Information	
Name	Notify of Invoice Reject
Cluster	Order Management
Segment	Returns and Finance
Publication Date	30 May 2012
Version Identifier	V11.05

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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 3C4 Message
- Message Structure
- XML instance of ebXML BPSS for PIP 3C4

1.6 Document Version History

Version	Date	Description
Validated 11.00.00	10 April 2006	Validated version
Validated 11.02.00	31 July 2006	Validated version
Validated 11.03.00	05 November 2007	Validated version for Schema to Market 2007
Validated 11.04.00	25 September 2009	Validated version for 2009 Maintenance
Validated 11.05.00	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 "Notify of Invoice Reject" Partner Interface Process (PIP) supports a process by which payees issue financial statements to payors; payors determine which payables to pay, optionally using the financial statement notification, and generate remittance advice notifications, which go to their banks; payors' banks make payments to payees' banks, who send payments to payees; payees process payments and use the remittance advice notification to reconcile payments or issue payment discrepancy notifications in the event payments are not as expected; if payment discrepancy notifications are generated, payors process payment discrepancy notifications and determine whether to reissue payments by remittance advice notifications

2.1.1 Business Process Description

The "Notify of Invoice Reject" Partner Interface Process™ (PIP) enables a party, such as a buyer or financing processor, to inform another party, such as a seller, that an invoice has been rejected. A financing processor is an organization that helps a seller obtain financing by serving as an intermediary between the seller and financiers.

This PIP may be executed after (1) a provider has issued an invoice with PIP3C3, "Notify of Invoice", and (2) the invoice has been audited by the recipient's internal systems and determined to be invalid.

This PIP enables a party to inform another party that an invoice has been rejected.

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

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 Documents	
Business Document	**Description**
Invoice Reject Notification	Rejects a previously received invoice. The reasons for rejection are indicated.

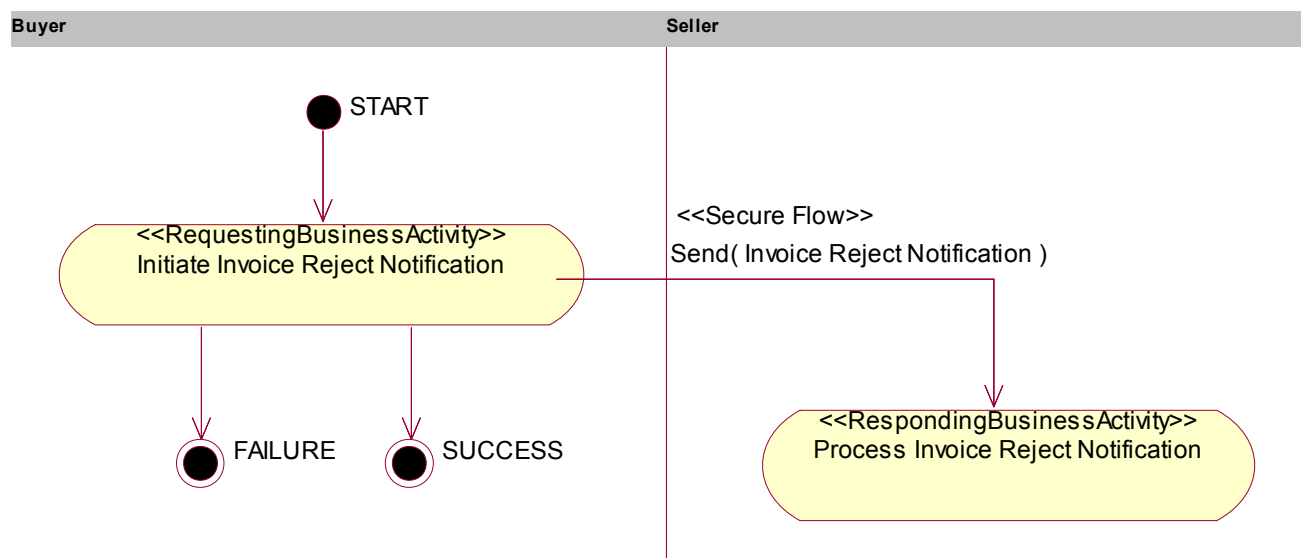## 2.3   PIP Business Process Flow Diagram

Figure 1: Activity Diagram of Notify of Invoice Reject

2.4 PIP Start State

The start state is comprised of the following condition(s):

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 condition(s):

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 condition(s):

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 Descriptions	
Role Name	**Role Description**
Buyer	The organization that rejects an invoice.
Seller	The organization being issued an Invoice Reject Notification.

2.7 Business Process Activity Controls

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

Table 6: Business Activity Descriptions		
Role Name	**Activity Name**	**Activity Description**
Buyer	Initiate Invoice Reject Notification	A Buyer issues an Invoice Reject Notification to a Seller.

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

Table 7: Business Activity Performance Controls							
		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?**
Buyer	Initiate Invoice Reject Notification	Y	2 hrs	N/A	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 Specification

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

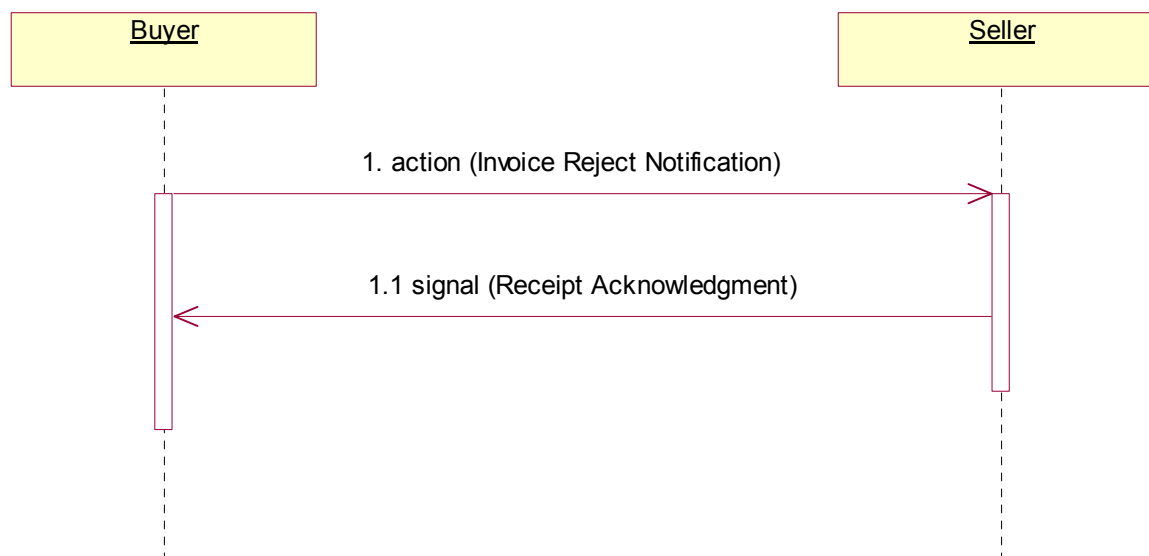| Table 9: Business Action – Business Document Mapping		
Business Action	**Business Document**	**Document Function**
Invoice Reject Notification Action	Invoice Reject Notification	Request

3.2   Business Transaction Dialog Specification

Figure 2: Sequence Diagram of Notify of Invoice Reject

3.2.1 Message Exchange Controls

#	Name	Time to Acknowledge	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 Controls						
1.	Invoice Reject Notification Action	2 hrs	N/A	N/A	Y	Y	Y
1.1.	Receipt Acknowledgment	N/A	N/A	N/A	Y	Y	Y

3.2.2 Communications Specification

#	Business Message	Digital Signature Required?	SSL Required?
	Table 11: Dialog: Service-Service		
1.	Invoice Reject Notification	Y	Y
1.1.	Receipt Acknowledgment	Y	Y