

Description of Partner Interface Process® for 3A1

Validated 11.12.00

Specification Information	
Name	Request Quote
Cluster	Order Management
Segment	Quote and Order Entry
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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.

Bellsouth Communication Systems	Cisco Systems
Intel	SBC Business Marketing
Sterling Commerce	World Wide Technology (WWT)

1.5 Related Documents

- Associated PIP Message Schemas (included within the PIP Specification package only)
- Description of PIP3A1 Message
- Message Structure
- XML instance of ebBPSS for PIP 3A1

1.6 Document Version History

<u>Version</u>	<u>Date</u>	<u>Description</u>
Validated 11.00.00	7 November 2005	Initial Validated Version Release
Validated 11.10.00	24 May 2006	Validated Version
Validated 11.11.00	02 November 2007	Milestone Program – Schema2Market
Validated 11.12.00	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

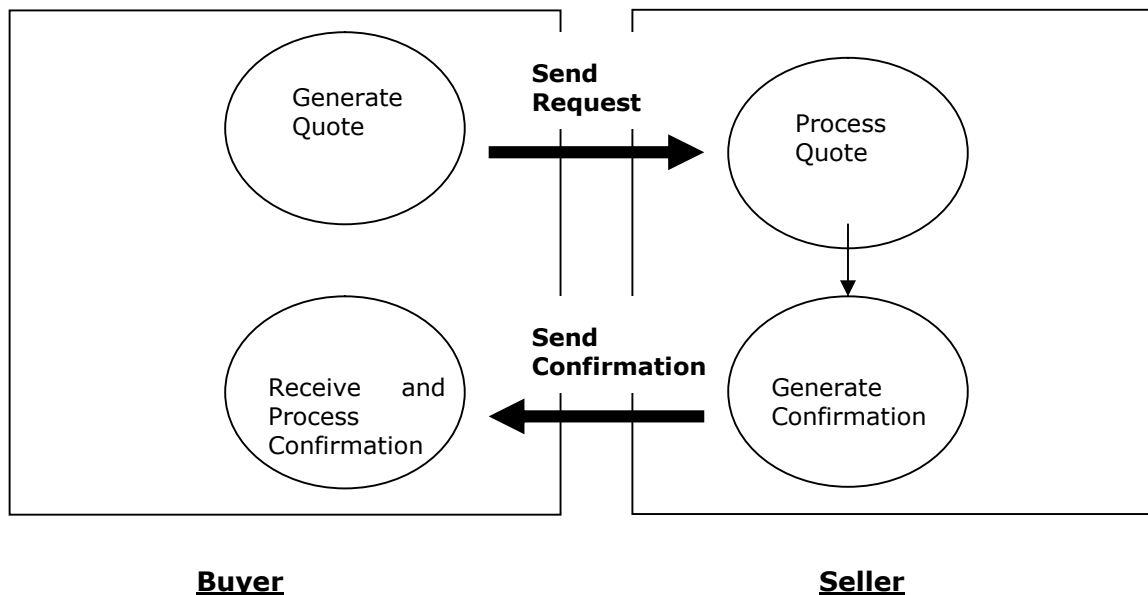
2.1 Business Process Definition

The "Request Quote" Partner Interface Process (PIP) enables a buyer to request a product quote from a provider, and a provider to respond with either a quote or a referral. If referred to another provider, the buyer may request a quote from that party. The prices and product availability reflected in a quote may be influenced by an existing or potential relationship between a buyer and provider.

Quotes may:

- Involve one or more items, fixed price quotes or negotiated prices, configurable or stand alone product.
- Include freight and tax information.
- Be reconciled with purchase orders.
- Support ship from stock and debit credit claims.
- Should this transaction not complete successfully, the requesting partner executes PIP0A1, "Notification of Failure."

2.1.1 Business Process Context Diagram



- Prior to making any purchase order request, buyer can check for products price and availability using PIP 3A2.
- Quote Request send from buyer to seller, using PIP 3A1.
- Seller needs to acknowledge and confirm to the buyer for the acceptance or rejection of a pending line item in the quote.
- In the event where the seller has any counter proposal on the quote, the seller needs to change and notify the buyer, using PIP 3A1 confirmation.

Figure 1: High-level Context Diagram

2.2 PIP Scope Description

This PIP provides a buyer with quotes and referrals used to select suppliers and prepare purchase orders.

2.2.1 Business Process Scope Diagram

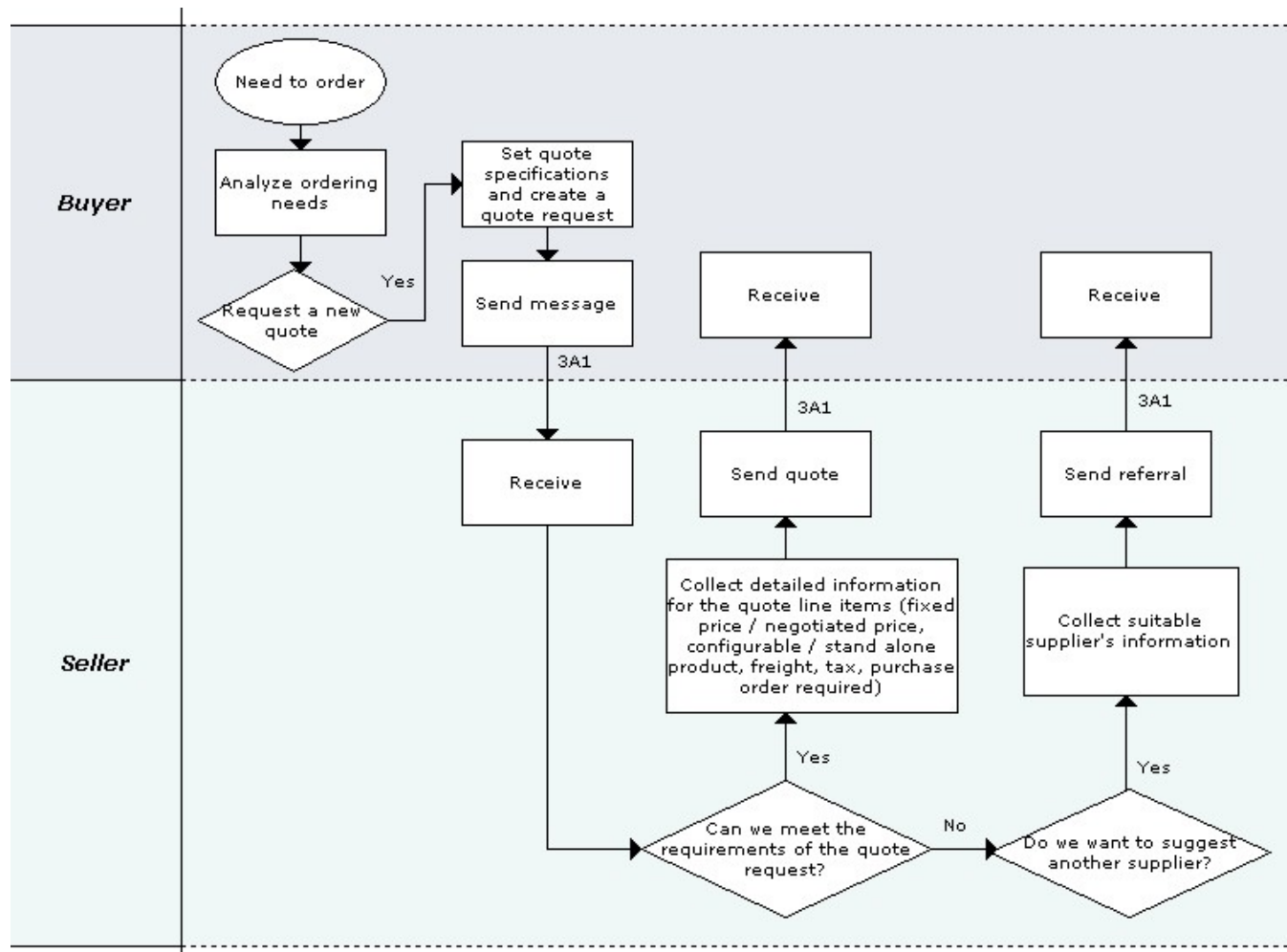


Figure 2: Business Process Context Diagram

2.3 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
Quote Request	A Buyer's request for a quote sent to a Seller for response.
Quote Confirmation	A Seller's response to a request for a quote. Allows for an actual quote, or a referral to another Seller.

2.4 PIP Business Process Flow Diagram

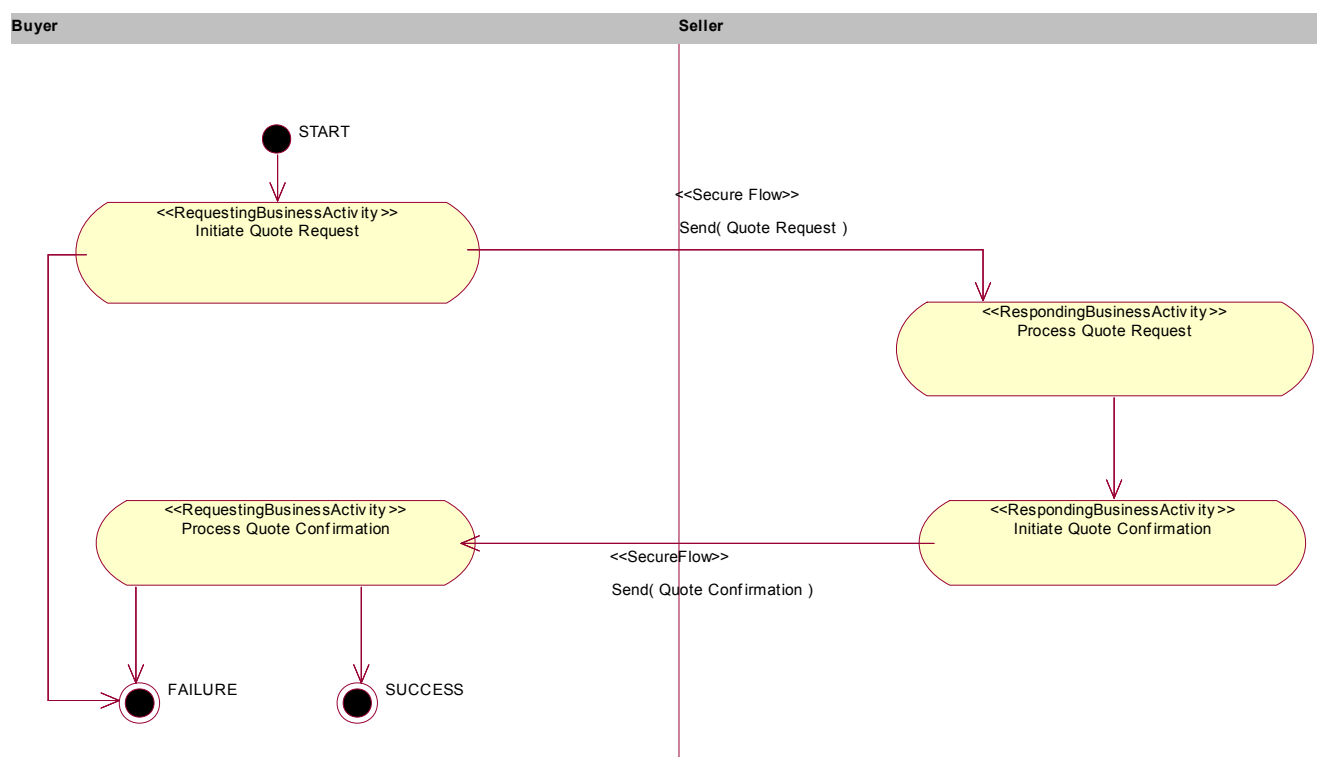


Figure 3: Activity Diagram of Request Quote

2.5 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			✓	✓	✓		✓

2.6 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		✓

2.7 Partner Role Descriptions

Table 5 describes the partner roles in this PIP.

Table 5: Partner Role Descriptions	
Role Name	Role Description
Buyer	An employee or organization that buys products for a partner type in the supply chain.
Seller	An organization that sells products to partners in the supply chain.

2.8 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 Quote Request	The Buyer requests a quote from a Seller.
Seller	Initiate Quote Confirmation	The Seller confirms a quote from a Buyer.

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

Table 7: Business Activity Performance Controls							
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				
Buyer	Initiate Quote Request	Y	2 hrs	24 hrs	3	Y	Y
Seller	Initiate Quote Confirmation	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
Quote Request Action	Quote Request	Request
Quote Confirmation Action	Quote Confirmation	Respond

3.2 Business Transaction Dialog Specification

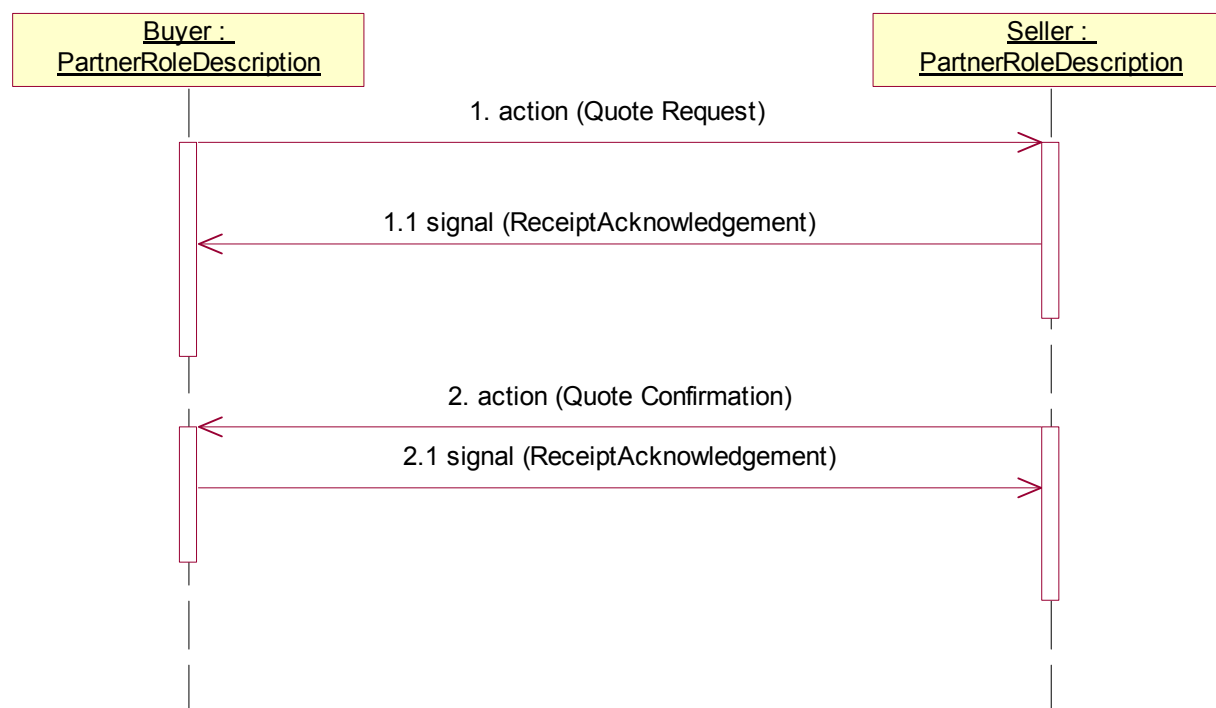


Figure 4: Sequence Diagram of Request Quote

3.2.1 Message Exchange Controls**Table 10: 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?
1.	Quote Request Action	2 hrs	24 hrs	Y	Y	Y	Y
1.1.	Receipt Acknowledgment	N/A	N/A	Y	Y	Y	Y
2.	Quote Confirmation Action	2 hrs	N/A	Y	Y	Y	Y
2.1.	Receipt Acknowledgment	N/A	N/A	N	Y	Y	Y

3.2.2 Communications Specification**Table 11: Quote Request Confirmation Dialog: Service-Service**

#	Business Message	Digital Signature Required?	SSL Required?
1.	Quote Request	Y	Y
1.1.	Receipt Acknowledgment	Y	Y
2.	Quote Request	Y	Y
2.1.	Receipt Acknowledgment	Y	Y