Description of

Partner Interface Process® for 2C10

Released 11.00.00

Specification Information	
Name	Notify of Approved Manufacturer List
Cluster	Product Information
Segment	Product Design Information
Publication Date	16 May 2012
Version Identifier	R11.00

Table of Contents

List of Figures:

List of Tables:

1   Document Management

1.1   Legal Disclaimer

RosettaNet™, its members, officers, directors, employees, or agents shall not be liable for any injury, loss, damages, financial or otherwise, arising from, related to, or caused by the use of this document or the specifications herein, as well as associated guidelines and schemas. The use of said specifications shall constitute your express consent to the foregoing exculpation.

1.2   Copyright

©2012 RosettaNet. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of the publisher. Printed in the United States of America.

1.3   Trademarks

RosettaNet, Partner Interface Process, PIP and the RosettaNet logo are trademarks or registered trademarks of "RosettaNet," a non-profit organization. All other product names and company logos mentioned herein are the trademarks of their respective owners. In the best effort, all terms mentioned in this document that are known to be trademarks or registered trademarks have been appropriately recognized in the first occurrence of the term.

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)
- Messages Structure
- XML instance of ebXML BPSS for PIP 2C10

1.6   Document Version History

Version	Date	Description
Released 11.00.00	16 May 2012	Set to Released

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 Approved Manufacturer List" Partner Interface Process™ (PIP) supports a process in which a Qualification Owner shares an Approved Manufacturer List (AML) for a product with an Integrator. The Qualification Owner is the entity responsible for qualifying parts that are approved for manufacture of the product and qualifying suppliers that are approved for acquiring these parts. The Integrator is responsible for the product's manufacture or assembly.

The Integrator may use PIP2C2, "Request Engineering Change", to inform a Qualification Owner of errors in an AML or another reason to change it.

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

2.1.1   Executive Summary

This PIP is designed to easily and efficiently communicate AML information about the parts that are approved for a product from engineering to manufacturing. It supports the exchange of mappings from internal part numbers to manufacturer part numbers, where "manufacturer" is loosely defined as the last partner to affect a change to the part. It also supports the mapping of these part numbers to supplier part numbers. The AML solves a variety of problems that impact quality, costing and lead times. Quality is improved by specifying precise definitions of the parts that are approved and the suppliers that are approved to supply them. The AML assists in costing and in planning lead times. The AML provides traceability into the process of part acquisition. The AML also allows the Integrator to respond whether it is able to build the product.

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.

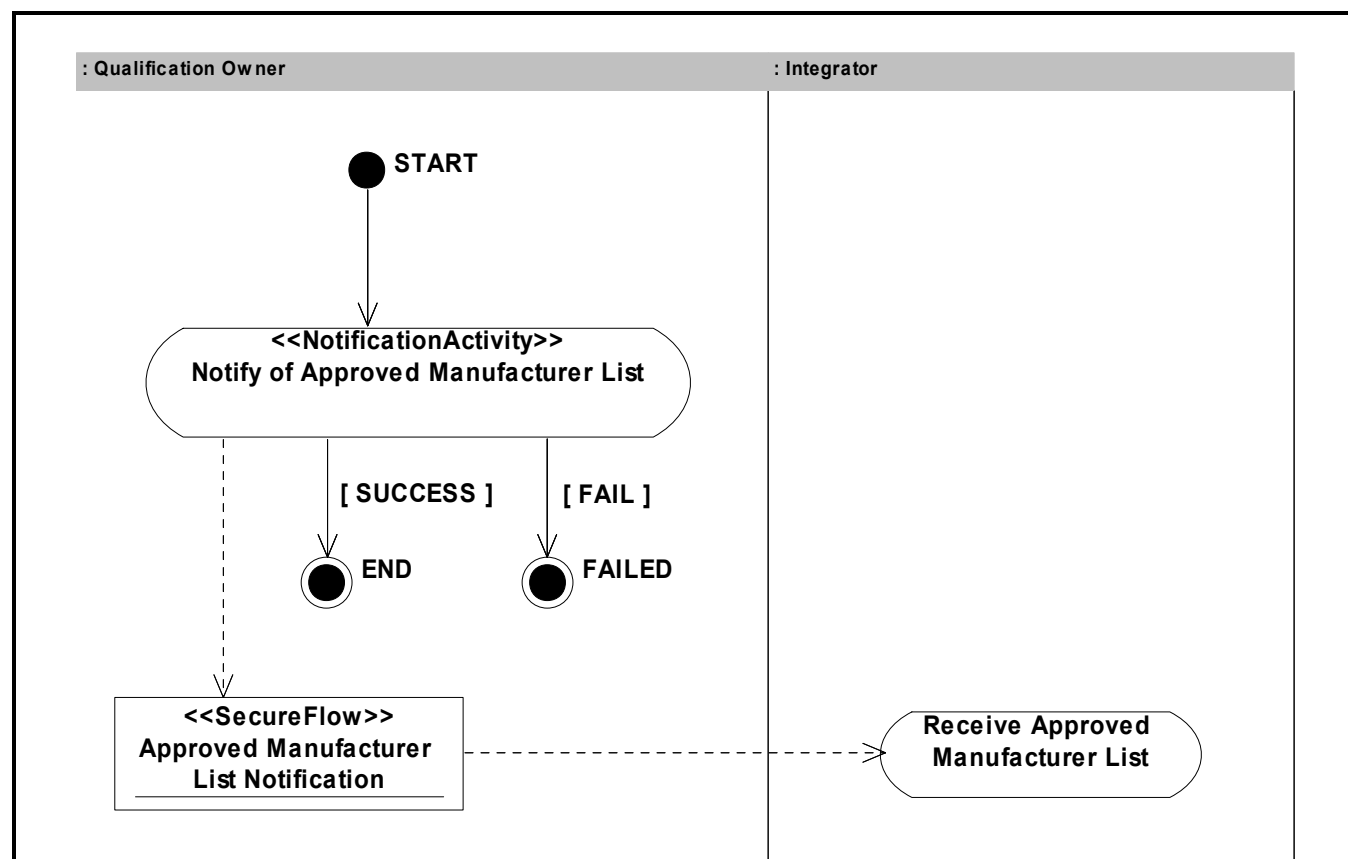| Table 1: PIP Business Document	
Business Document	**Description**
Approved Manufacturer List Notification	Contains Approved Manufacturer List data for a given product. The Approved Manufacturer List specifies manufacturer part numbers for parts from approved manufacturers and approved suppliers for the parts.

2.3   PIP Business Process Flow Diagram

Figure 1: Activity Diagram of 2C10

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**
Qualification Owner	The organization responsible for the qualification of manufacturers and suppliers of parts for the product. The Qualification Owner defines and maintains the AML for the product.
Integrator	The organization responsible for the production of the product. Change requests are communicated back to the Qualification Owner.

2.7   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**
Qualification Owner	Notify of Approved Manufacturer List	A Qualification Owner sends an Approved Manufacturer List Notification business document to an Integrator.

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?**
Qualification Owner	Notify of Approved Manufacturer List	N	2hrs	N/A	3	N	N

Note: All time parameters are defined as (hrs or mins), i.e. 2 hrs

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**
Qualification Owner Service	Business Service	Qualification Owner
Integrator Service	Business Service	Integrator

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.

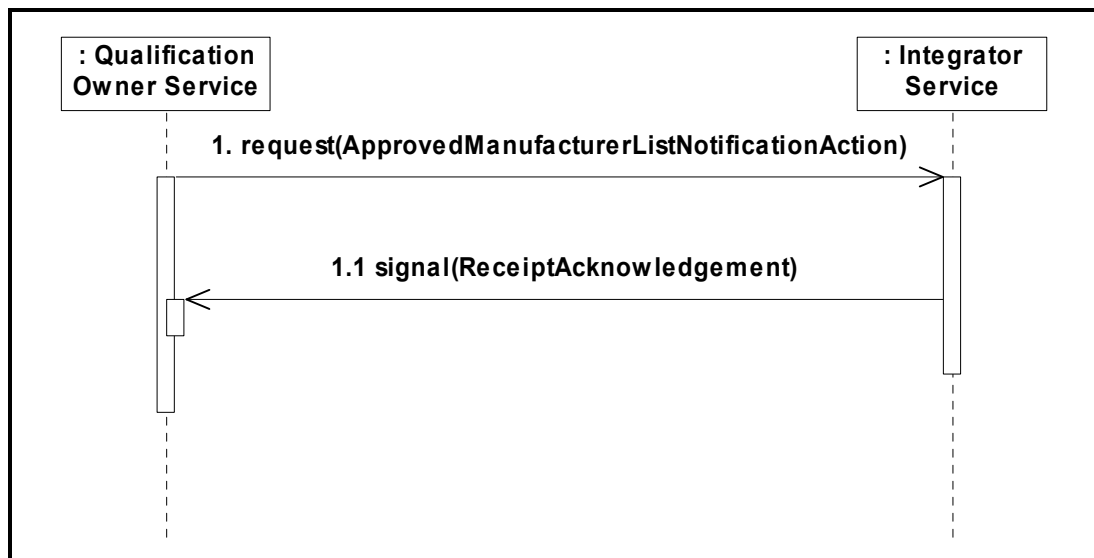| Table 9: Business Action – Business Document Mapping		
Business Action	**Business Document**	**Document Function**
Approved Manufacturer List Notification Action	Approved Manufacturer List Notification	Request

3.2   Business Transaction Dialog Specification

Figure 2: Sequence Diagram of 2C10

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.	Approved Manufacturer List Notification	2hrs	N/A	N/A	N	N	Y
1.1.	Receipt Acknowledgment	N/A	N/A	N/A	N	N	Y

Note: All time parameters are defined as (hrs or mins), i.e. 2 hrs

3.2.2 Communications Specification

	Table 11: Dialog: Service-Service		
#	**Business Message**	**Digital Signature Required?**	**SSL Required?**
1.	Approved Manufacturer List Notification	Y	Y
1.1.	Receipt Acknowledgment	Y	Y