

Description of Partner Interface Process[®] for 2C12

Validated 11.00.00

Specification Information	
Name	Notify of Approved Manufacturer List Confirmation
Cluster	Product Information
Segment	Product Design Information
Publication Date	02 March 2015
Version Identifier	V11.00

Table of Contents

1	Document Management	4
1.1	Legal Disclaimer	4
1.2	Copyright	4
1.3	Trademarks	4
1.4	Acknowledgments	4
1.5	Related Documents	4
1.6	Document Version History	4
1.7	Document Structure	5
2	Business Process.....	6
2.1	Business Process Definition	6
2.1.1	Business Process Description	6
2.2	PIP Business Document	7
2.3	PIP Business Process Flow Diagram	7
2.4	PIP Start State	8
2.5	PIP End States	8
2.6	Partner Role Descriptions	9
2.7	Business Process Activity Controls	9
3	Network and Implementation Specification	10
3.1	Business Action and Business Signal Specifications	10
3.2	Business Transaction Dialog Specification	10
3.2.1	Message Exchange Controls	11
3.2.2	Communications Specification	11

List of Figures:

Figure 1: Activity Diagram of Notify Of Approved Manufacturer List Confirmation	7
Figure 2: Sequence Diagram of Notify Of Approved Manufacturer List Confirmation	10

List of Tables:

Table 1: PIP Business Document	7
Table 2: PIP Start State	8
Table 3: PIP End State.....	8
Table 4: PIP Failure State.....	8
Table 5: Partner Role Description	9
Table 6: Business Activity Description	9
Table 7: Business Activity Performance Control	9
Table 8: Network Component Specification	10
Table 9: Business Action – Business Document Mapping	10
Table 10: Message Exchange Control	11
Table 11: Dialog: Service-Service	11

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

©2015 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)
- Description of 2C12 Message
- Messages Structure
- XML instance of ebXML BPSS for PIP 2C12

1.6 Document Version History

Version	Date	Description
Validated 11.00.00	02 March 2015	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

The "Notify of Approved Manufacturer List Confirmation" Partner Interface Process™ (PIP) supports a process in which the Qualification Owner for that product returns the requested information to the Integrator.

The Qualification Owner initiates the process and 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.

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

2.1.1 Business Process Description

This PIP is designed to support the business process 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 Confirmation 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

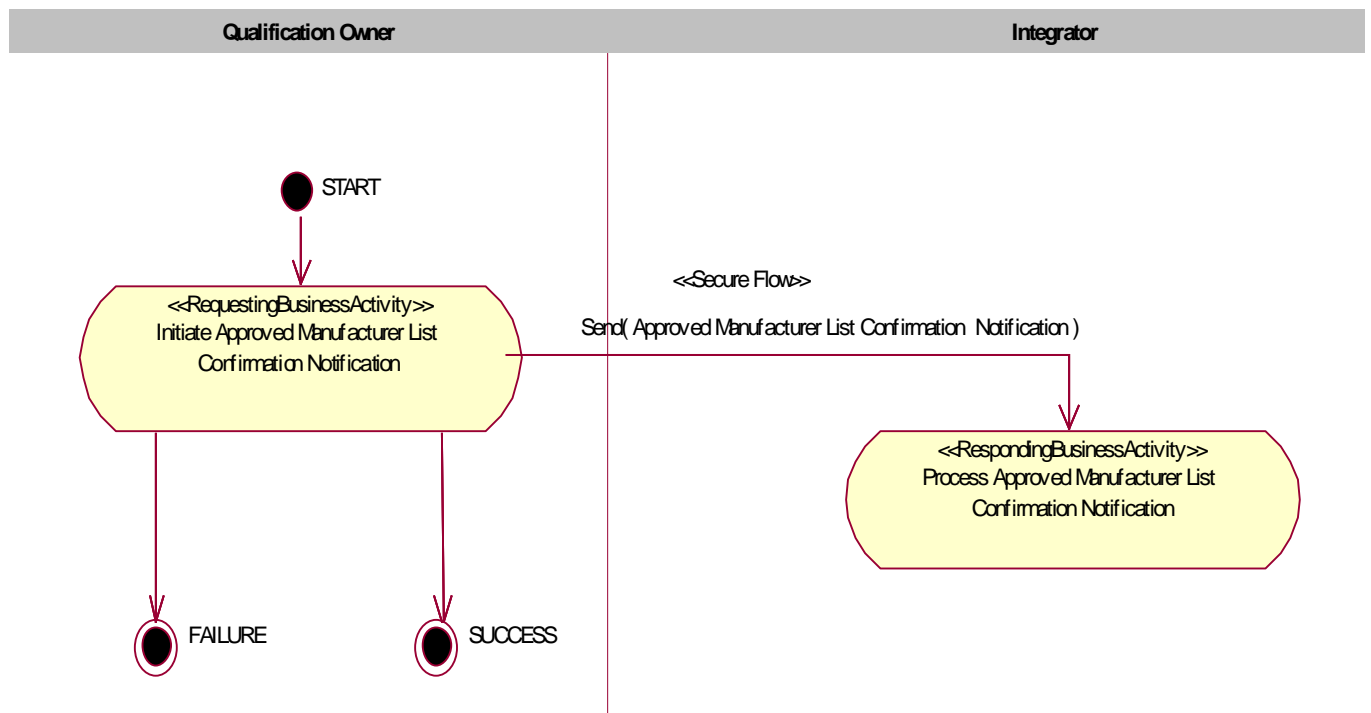


Figure 1: Activity Diagram of Notify Of Approved Manufacturer List Confirmation

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	Initiate Approved Manufacturer List Confirmation Notification	The Qualification Owner issues a list forr qualifying parts that are approved for manufacture of the product and qualifying suppliers that are approved for acquiring these parts.

Table 7 details the security, audit and process controls relating to activity 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				
Qualification Owner	Initiate Approved Manufacturer List Confirmation 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
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 Confirmation Notification Action	Approved Manufacturer List Confirmation Notification	Request

3.2 Business Transaction Dialog Specification

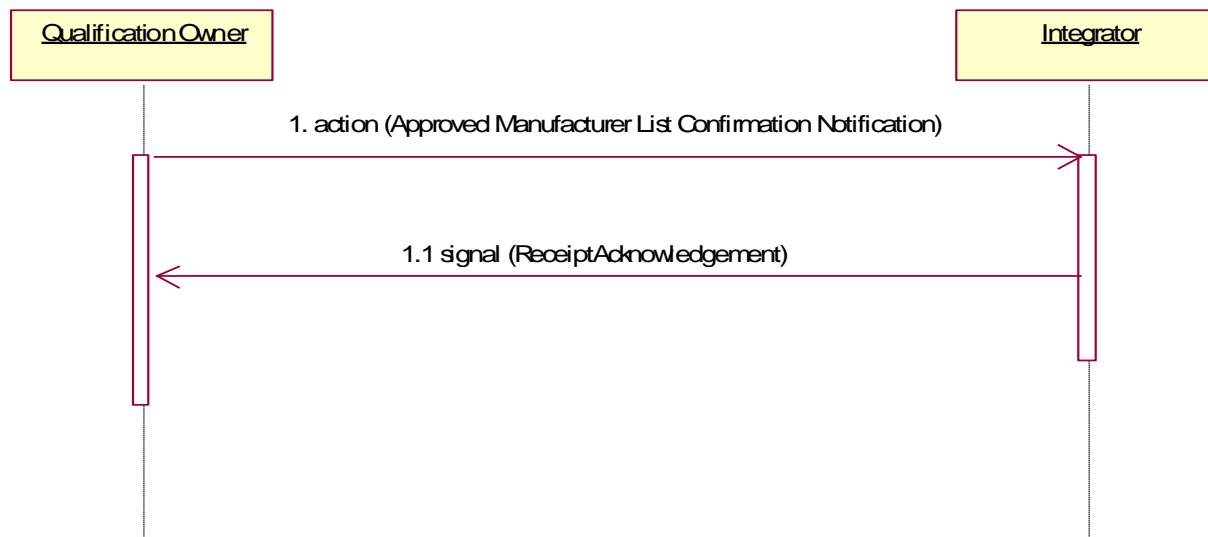


Figure 2: Sequence Diagram of Notify Of Approved Manufacturer List Confirmation

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 Confirmation 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

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