Description of

Partner Interface Process® for 2C11

Released 11.00.00

<table>
<tr><td colspan="2" align="center">Specification Information</td></tr>
<tr><td>Name</td><td>Notify of Approved Manufacturer List Request</td></tr>
<tr><td>Cluster</td><td>Product Information</td></tr>
<tr><td>Segment</td><td>Product Design Information</td></tr>
<tr><td>Publication Date</td><td>02 March 2015</td></tr>
<tr><td>Version Identifier</td><td>R11.00</td></tr>
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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 2C11 Message
- Messages Structure
- XML instance of ebXML BPSS for PIP 2C11

1.6 Document Version History

Version	Date	Description
Released 11.00.00	20 February 2015	Released 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 Request" Partner Interface Process™ (PIP) supports a process in which an Integrator requests the Approved Manufacturer List (AML) information for a product.

The Integrator initiates the process by sending an AML request to the Qualification Owner. To facilitate communications, the request document includes both query constraint lines and incomplete results lines. After processing the request, the Qualification Owner completes the results lines and returns the information to the requesting party.

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."
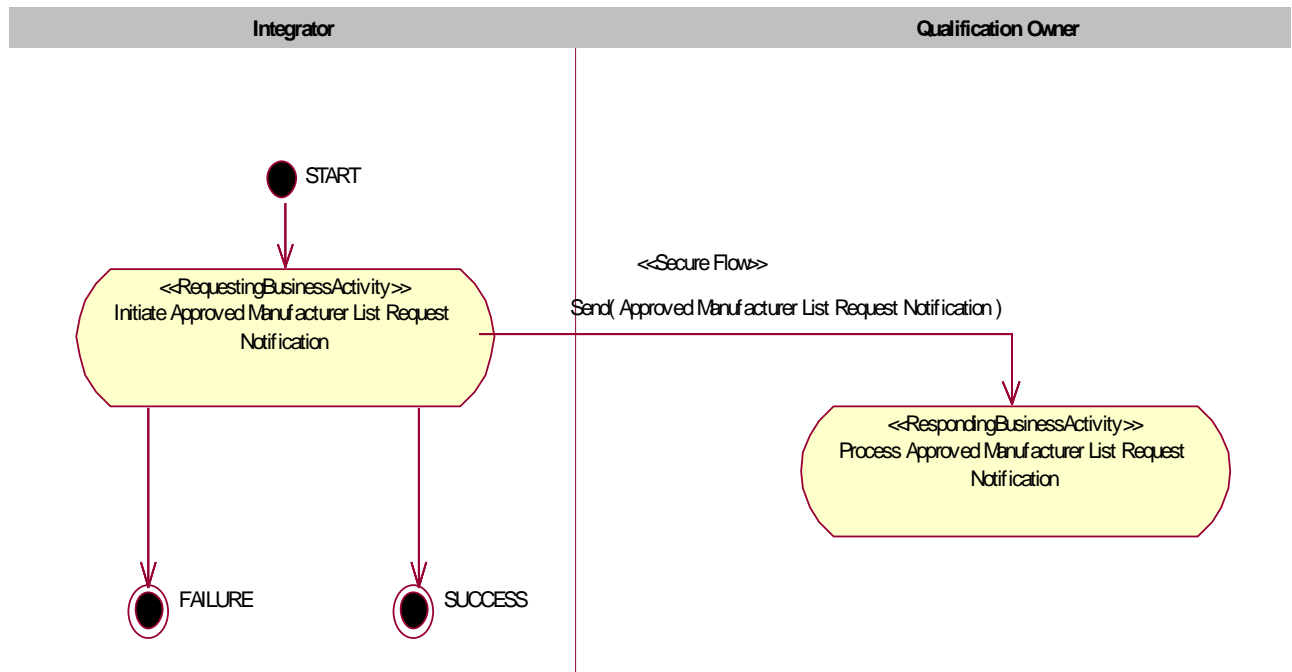
2.1.1 Business Process Description

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 Request Notification	Allows the sender to request Approved Manufacturer List information for a product. The product being queried can be identified using a Global Trade Item Number (GTIN) or proprietary product identifier.

2.3   PIP Business Process Flow Diagram

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

2.4 PIP Start State

The start state is comprised of the following conditions:

Table 2: PIP Start State		Exist					
	Approved	Party	In Backend System	Valid	Non-Repudiated	Retry Count	Authorized
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		Exist					
	Approved	Party	In Backend system	Valid	Non-Repudiated	Retry Count	Authorized
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**
Integrator	The organization responsible for the production of the product. Change requests are communicated back to the **Qualification Owner**.
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.

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**
Integrator	Approved Manufacturer List Request Notification	Allows the sender to request Approved Manufacturer List information for a product. The product being queried can be identified using a Global Trade Item Number (GTIN) or proprietary product identifier.

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?**
Integrator	Approved Manufacturer List Request 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.
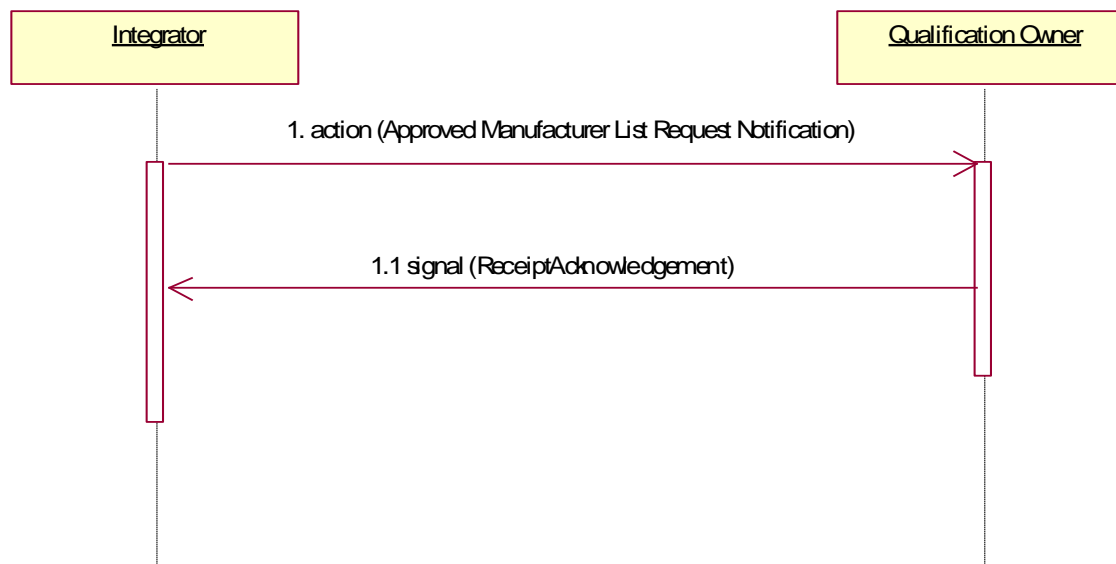
Table 8: Network Component Specification		
Network Component	**Classification**	**Maps to Role in Business Process**
Integrator Service	Business Service	Integrator
Qualification Owner Service	Business Service	Qualification Owner

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 Request Action	Approved Manufacturer List Request Notification	Request

3.2 Business Transaction Dialog Specification

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

3.2.1 Message Exchange Controls

#	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?
Table 10: Message Exchange Control							
1.	Approved Manufacturer List Request 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.	Approved Manufacturer List Request Notification	Y	Y
1.1.	Receipt Acknowledgment	Y	Y