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ebXML Catalog of Common Business Processes

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1   Status of this Document

9   This document specifies an ebXML WORK IN PROGRESS- NOT FOR IMPLEMENTATION for
10   the electronic business community.

11   Distribution of this document is unlimited.

12   The document formatting is based on the Internet Society's Standard RFC format.

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15   CommonBusinessProcesses-WIP-0.91.doc
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18   CommonBusinessProcesses-WIP-0.91.doc
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20   http://www.ebxml.org/project_teams/business_process/wip/ccbp-analysis/Catalog
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2 ebXML Participants

22

23 We would like to recognise the following for their significant participation to the development of this
24 document.

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4 Introduction

4.1 Summary of Contents of Document

This document puts together an initial list of common business process names, generic in nature that can be used across various industries. This includes business processes with cross references across common industry standards; including RosettaNet PIPs, X12, EDIFACT, JiPDEC/CII(Center for information of Industry of JAPAN Information Processing Development Center), OAG BOD, xCBL (CommerceOne). Identification of this catalog of common business processes were influenced by various industry initiatives like RosettaNet , EIDX, CPFR , EIAJ, OAG etc. This document also demonstrates how to catalog business processes.

A Business Process consists of a set of business collaborations, which is itself composed of one or more business transactions as defined by the UN/CEFACT Modeling Methodology (UMM) Business Transaction View (BTV). The behavioral aspects of a business process are defined via the UMM Metamodel.

The keywords MUST, MUST NOT, REQUIRED, SHALL, SHALL NOT, SHOULD, SHOULD NOT, RECOMMENDED, MAY, and OPTIONAL, when they appear in this document, are to be interpreted as described in RFC 2119 [Bra97].

4.2 Audience

The target audiences for this document includes business staff of both information and technical background and specific business focus areas wishing to relate their electronic trading activities in a consistent pattern to the general ebXML trading community.

5 Design Objective

5.1 Objectives

The primary objective of this catalog is to provide the e-business community with a list of business process names that are independent of any industry specifics. The generic nature of these business processes enables one to reuse them with specific context and business rules within different vertical industries. Common business processes have been grouped under various classifications. Another objective of this catalog is to provide the corresponding references to business documents and business processes defined across various industry standards.

5.2 Goals

The goals of the list of common business processes are:

- Over time this list will drive the creation of templates for each of these business processes that can be reused across industries.

- These processes are going to be the basis for discovery and definition of collaboration patterns.

117   ■   This catalog can evolve to become a global, industry neutral catalog of commonly used
118   processes with refinement and contribution from all sectors of the industries.

6   Business Process Catalog Use Cases

119

6.1   Discovery of Business Processes

120

121   Given ebXML community growth, independent of industry sector, business processes commonly
122   used within industry will be developed according to the UMM and will be available for re-use via
123   business process catalogs hosted in ebXML compliant registries/repositories. The catalog of
124   common business processes can be used for the discovery of reusable business processes. The
125   catalog supports discovering and comparing business processes in the early stages of business
126   process analysis. Common business process in the catalog have associated process
127   specifications that includes core components specific to it. Business process specification is a
128   declaration of the partners, roles, collaborations, choreography and business document exchanges
129   that make up a business process. A catalog of common business processes can be used as the
130   business process specifications for building business document(s) for similar business processes
131   within a specific context.

6.2   Cross References

132

133   This catalog provides informative cross-references to non-ebXML business processes and
134   business documents defined by electronic business standards organizations around the world. The
135   catalog can also be extended to include other industry specific common electronic trading
136   documents or business process conventions. This catalog will be stored in the business library.
137   When business process models/specifications are inserted into a business library they should be
138   cross-referenced against other industry standards.

6.3   Support Business Process Contextual Category

139

140   Business Process is one of the contexts defined by the ebXML Core Components classification
141   scheme[1]. A Business Process context relies on a classification derived from the list of common
142   business processes. The main reason to use context is to encourage reuse of core components,
143   and with it common documents and ultimately common business processes. By working from a
144   common set of core components and agreeing on the context for business processes, trading
145   partners can better understand what business information is required to be part of a Business
146   Process. The contextual categories, identified by ebXML Core Components, map to existing
147   elements and attributes within a business process model complying to the UMM. For example, the
148   contextual Category "Process" maps to the Metamodel elements BusinessProcess, ProcessArea,
149   and BusinessArea.

6.4   Discovery of Core Components

150

151   The catalog of common business processes is useful for discovery and analysis of core
152   components that will be used as the building blocks for deriving business documents within a given
153   context. This can be done by checking all sources of documents listed and cross-referenced on the
154   Common Business Process Catalog to identify a document that may have the information needed
155   (which may be EDIFACT, X12, xCBL , RosettaNet PIP's , CII, OAG BOD's). There may be an

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[1] *see "The role of context in the re-usability of Core Components and Business Processes" for additional information on context*

156   existing document, which is similar and could be evaluated. Next identify if the document
157   components meet the business requirements. If so, then these components can be reused.

158   6.5 Support Business Process Modeling

159   Business processes are modeled by the information specified in the UN/CEFACT Modeling
160   Methodology (UMM) Metamodel. This metamodel specifies all the information that needs to be
161   captured during the business modeling of an electronic commerce based business process. With the
162   expansive potential of the UMM in all of it's intricate depth of detail", it's advised people use tools to
163   help them model their business processes; and thus facilitate business analysis activities
164
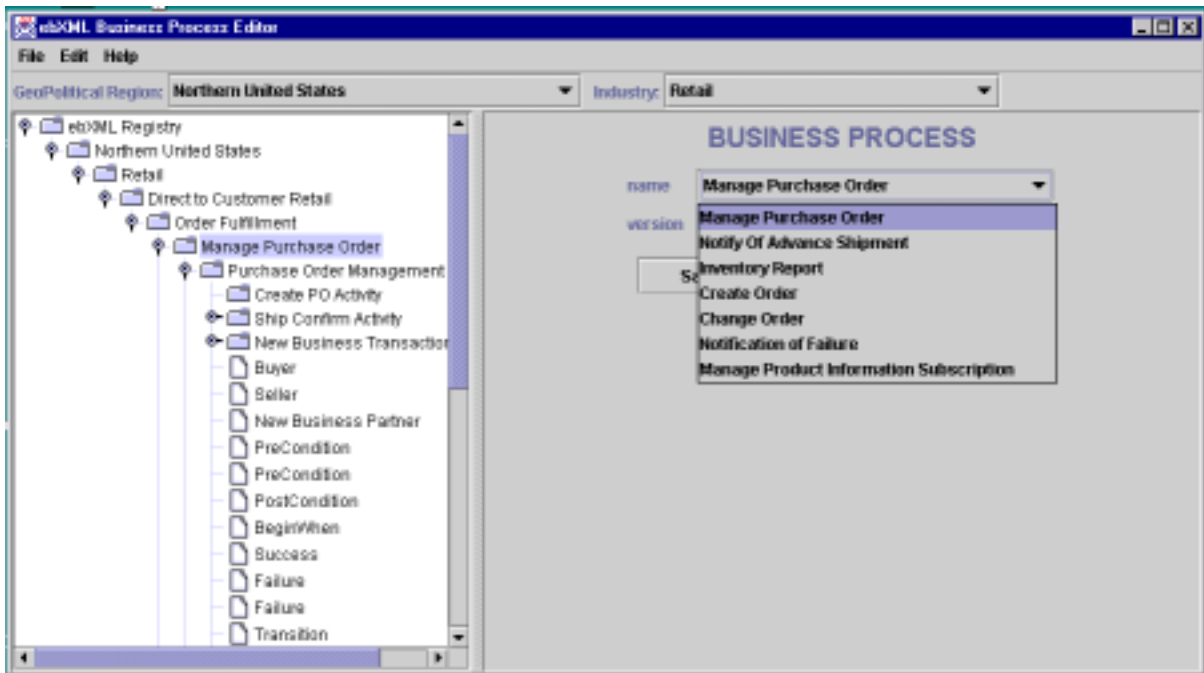
165
166

167   Figure 0-1, Business Process Editor and Business Process Catalog

168   When business experts model a business process using a "Business Process Editor" (BPE) tool
169   which could use the catalog of common business processes to discover existing business process;
170   ie. via a drop down list. A BPE would work with ebXML compliant registries/repositories. For further
171   reference, see Business Process and Business Document Analysis Definitions.

172   7   The Common Business Process Catalog Overview

173   7.1   What is a Common Business Process

174   Common Business Processes are industry neutral and re-usable business processes. See Figure
175   7.1. Various components of a common business process specification can be re-used to create
176   new business processes. Re-use will typically occur at the business process, business
177   collaboration, business transaction, and business document model components. Refer to section
178   8.4 for a more detailed example.

180
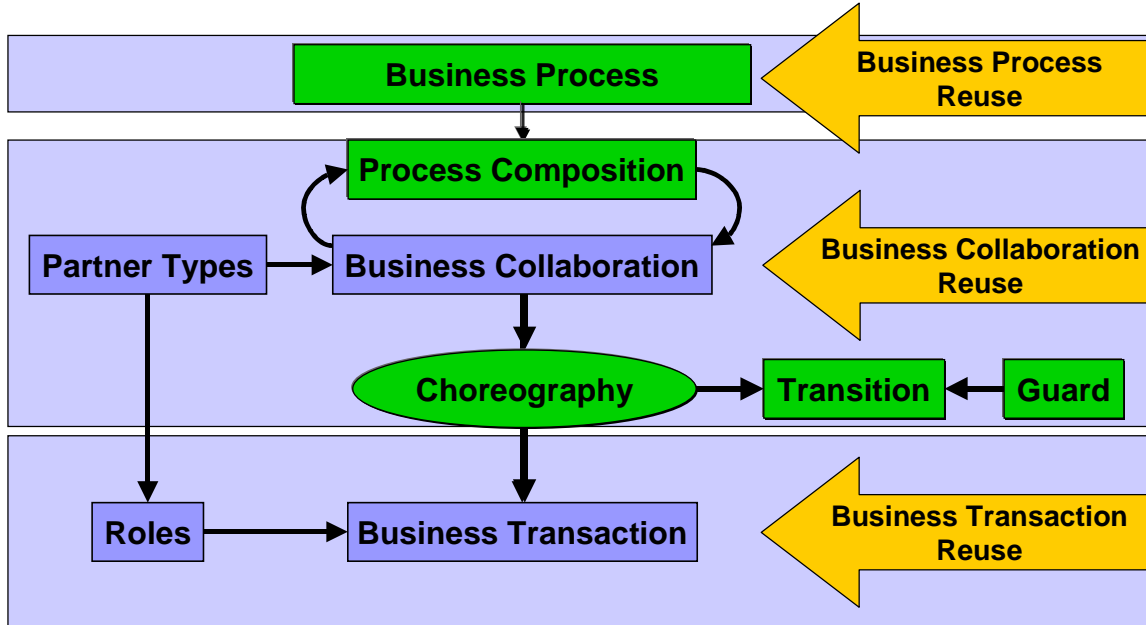
Figure 7.1-1, Business Process Model Reuse

7.2 Catalog Categorization Scheme

182   The catalog's categorization scheme is based upon an *enterprise value chain*, the concept
183   pioneered by Michael Porter[2]. A value chain is a purposeful network of business processes
184   designed to cumulatively transform a set of process inputs into an output of greater value to the
185   enterprise's set of customers. Porter's value chain stages are illustrated in Figure 7.2 below as
186   resource flows which progress from left to right in transforming inputs as labor, capital, and goods
187   into components of a business's final product. Figure 7.2 illustrates the linked major events within
188   each process that consume business inputs and produce business outputs.

189   Each business process in the Catalog of Common Business Processes is at it's most general level
190   represented by a *normative category* of enterprise activities as procurement, financing, and
191   manufacturing. Normative category processes can be broken into normative sub-categories for
192   better business discovery.

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[2] Michael E. Porter, *Competitive Advantage : Creating and Sustaining Superior Performance*, 1998, Harvard Business School Press
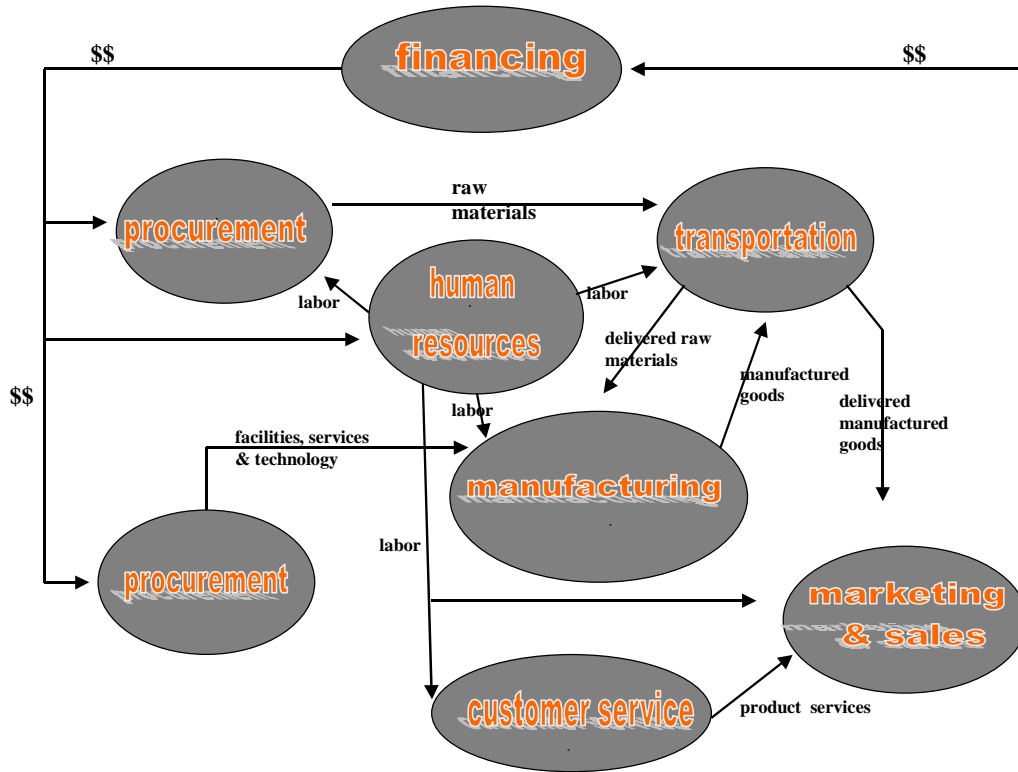
193
194   Figure 7.2-1, Graphical representation of the Porter Value Chain

195   7.3   Meta data for Cross Reference table

196   The various components of this cross reference of common business processes table:

197   **Common Business Processes** – A business process describes in details how trading partners
198   take on roles, relationships and responsibilities to facilitate exchange of information. Common
199   Business processes are subsets of business processes that are identified as commonly used
200   across various organizations, industries or other business entities.

201   **Normative Category** – Built from components of a Porter Value Chain.

202   **Normative Sub-category** – Decomposition of the Porter Component into logical sub groups

203   **EDIFACT/X12/CII/OAG BOD/xCBL** – Common industry standards used as a cross-reference, by
204   identifying their specific equivalent business documents commonly used today.

205   **RosettaNet PIP** – Common business processes cross-referenced to business transactions as
206   specified by RosettaNet Partner Interface Processes™ (PIPs™) which define business processes
207   between trading partners

208   7.4   Methodology for Building the Catalog

209   With participation of business domain experts from major business communities and industry
210   standards organizations, there was consensus gathering with respect to current common practices
211   involved with electronic business trading. To further ensure cross-domain harmonization a

212   comprehensive and consistent analysis needs to be conducted for each "discovered" component
213   by a domain-neutral technical assessment teams.

214   7.5   Registry and Repository for the Catalog

215   The catalog of common business process names and associated cross-reference MAY be stored
216   in an ebXML Business Library and MAY be stored in other business libraries. There can only be
217   one catalog per ebXML registry. The Common Business Process catalog owner needs to be an
218   accredited global standards body such as UN/CEFACT. it's the Catalog's main service is to be
219   shared by the global community. The catalog of business process will be accessed through its
220   registry interface. Business domain experts within UN/CEFACT, perhaps also partnered with
221   industry interest groups, need to define each detailed specification for each common business
222   process.
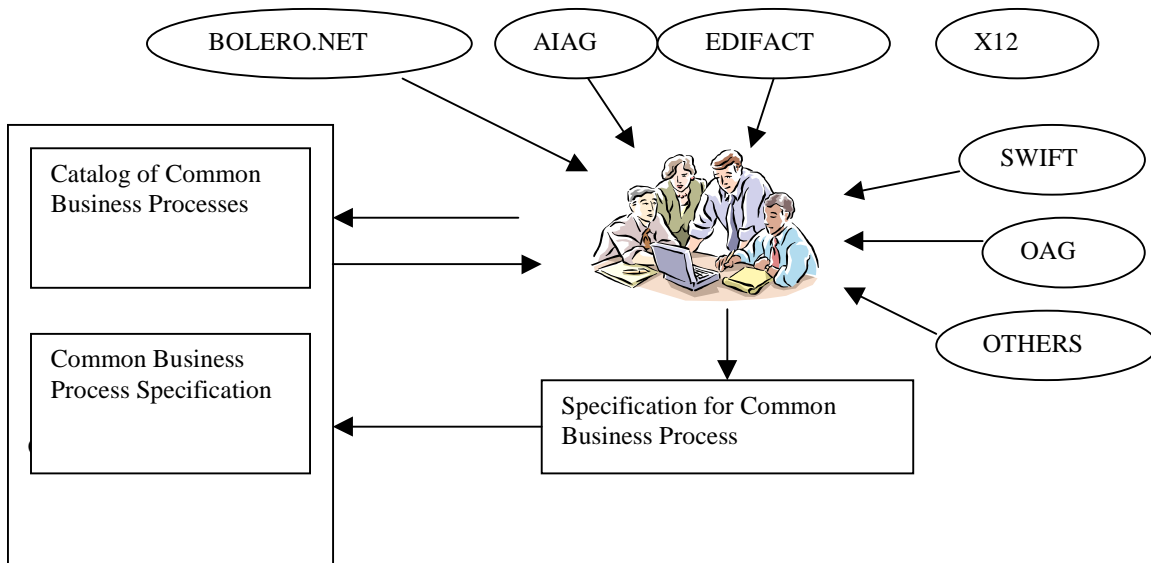
223
224   Figure 7.5-1, Common Business Process Development

225   In performing ebXML analysis activities to a business process, either establishing new business
226   processes or re-engineering existing ebXML business processes, it will be necessary to persist the
227   business process model. Business process analysis activities may call for many forms of
228   supporting information to aid in the analysis. It is desirable to maintain relationships with supporting
229   information and the ebXML business process model. Examples of supporting information include
230   technical drawings, design images and sound tracks in digital format.

231   Resource Description Framework (RDF) or XMI can be used to persist a Business Process model
232   in it's complete UMM form, including other associated information resources that the business
233   users feel are significant to be kept associated with the business process model.

234   Storing a modeled business process into the catalog needs to result in the business process to be
235   accessible via its reusable components/artifacts. Reuseability can occur at various levels in the
236   UMM, however, reuse of artifact will likely be found at the business process, binary collaboration,
237   business transaction, and document levels of the UMM. Experience today strongly suggest that
238   reusability will often occur at the business transaction and document levels when comparing to
239   traditional EDI.

240   ebXML compliant registry's should satisfy the following Catalog of Common Business Process
241   service requirements towards business analysis activities :

242   A standard mechanism for registering catalog's so catalog of common business processes can be
243   shared.

244   A standard mechanism for registering and storing *Business Process and Information Metamodels*
245   (in RDF or XMI*)* so that business processes may be discovered.

246

8 Catalog of Business Processes

248 This section contains several tables that represent that various aspects of cataloging business processes. Each business process [should
249 represent/represents] a logically complete economic action or commitment. Some are atomistic binary relationships that would be used as a Business
250 Transaction within a Binary Collaboration; some may encompass several transactions, and therefore would be used within ebXML as a higher-level
251 nested Collaboration.

252
253

254 The *Section 8.1* identifies common business processes (used and being developed) that may or may not have traditional EDI documents available,
255 which do fit into the Value Chain classification schema. Here we take a Value Chain approach of classifying business processes, but recognize there
256 are many business & regulatory domains that may not appear immediately classified in the Value Chain classification. *Section 8.2* shows an example
257 of the Insurance Industry, which can also be classified by its common business processes but cannot be categorized under the Value Chain approach.
258 So business processes may be categorized by the Porter's Value Chain or other appropriate categorization scheme, perhaps specific to an industry or
259 company. *Section 8.3* contains the definitions of the common business process as identified in *Section 8.1. Section 8.4* is the REA representation of
260 the common business processes. To make this entire structure more concrete in the mind of catalog users, an illustrative table has been included in
261 this document. The illustrative table portrays: (1) each normative category, (2) its possible sub-categories, (3) its normal types of resource inflows and
262 outflows, (4) its major types of events that effect those flows, and (5) the normal types of agents and roles for those processes.

8.1 Catalog of Common Business Processes with Cross References

264 This section contains a cross reference of common business process names to industry standards and a cross reference of industry specific business
265 process names to industry standards.

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Notification Of Failure	**Administration**	**Failure Notification**	**PASREQ**			**PIP0A1**		**(CONFIRM BOD)**
Manage Product Information Subscription	**Administration**	**Product Service Review**				**PIP1B1**		**065_update_productreq _004,**

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
								067_cancel_productreq_004 **063_get_prodavail_003** **064_show_prodavail_003** **137_sync_pricelist_001** **128_sync_catalog_001**
Request/Verify Account Info								
Delete Party Profile			**TUPREQ**					
Request Account Setup	**Administration**	**Party Profile**	**PARTIN**	**838**		**PIP1A1**		**007_sync_customer_004** **008_sync_supplier_004** **(plans to use ebXML tpaML based work in future)**
Maintain Account	**Administration**	**Party Profile**	**PARTIN**	**838**	**TradingPartner OrganizationDel ete, TradingPartner OrganziationInf ormation, TradingPartner Response,**	**PIP1A2**		**007_sync_customer_004** **008_sync_supplier_004** **(plans to use ebXML tpaML based work in future)**

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
					TradingPartner UserDelete, TradingPartner UserInformation			
Request Credit Reference	**Administration**	**Party Profile**				**PIP1A3**		**025_get_credit_003,** **026_show_credit_003,** **027_update_credit_003**
Maintain Agreement	**Administration**	**Party Agreement**						**007_sync_customer_004,** **008_sync_supplier_004**
Request Quote / Response	**Procurement Management**	**Pre-Order and Quote**	**REQOTE, QUOTES**	**840, 843**	**Quote, RequestForQuotation**	**PIP3A1**	**0310, 0311**	**152_sync_quote_002,** **159_get_quote_002,** **154_change_quote_002,** **156_response_quote_002**
Query Price And Availability	**Procurement Management**	**Pre-Order and Quote**	**PROINQ, AVLREQ, TIQREQ**	**879**		**PIP3A2**		**137_sync_pricelist_001,** **138_get_pricelist_001,** **139_show_pricelist_001**

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Query Price	**Procurement Management**	**Pre-Order and Quote**			**PriceCheckRequest, PriceCheckResponse**			
Query Availability	**Procurement Management**	**Pre-Order and Quote**	**AVLREQ, AVLRSP**		**AvailabilityCheckRequest, AvailabilityCheckResponse**			
Request Promise Of Availablity	**Procurement Management**	**Pre-Order and Quote**	**AVLREQ, AVLRSP**		**AvailableToPromise, AvailableToPromiseResponse**			
Price Catalog	**Procurement Management**	**Pre-Order and Quote**	**PRICAT**	**832**	**ProductCatalog**			**128_sync_catalog_001, 129_get_catalog_001, 130_show_catalog_001**
Establishment Of Contract Award	**Procurement Management**	**Pre-Order and Quote**	**CONEST**	**836**				**003_process_po_005 (with appropriate PO TYPE)**
Negotiate Reservation	**Procurement Management**	**Pre-Order and Quote**	**RESREQ, ITAREQ**				**0210, 0211**	**NA**
Create Auction Offer	**Procurement Management**	**Auction**		**840, 843**	**AuctionCreate, AuctionResponse**			

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Create Auction Bid								
Bid Acceptance								
Barter Offer								
Barter Acceptance								
Haggle/Negotiation								
Report Auction Results	**Procurement Management**	**Auction**			**AuctionResult, AuctionResultResponse**			
Check Credit	**Procurement Management**	**Payment Term Negotiation**	**DOCAPP, DOCADV, DOCINF**	**460, 465, 466**				**025_get_credit_003, 026_show_credit_003, 028_change_status_003**
Establish Payment Terms	**Procurement Management**	**Payment Term Negotiation**	**Part of create PO, ORDERS**	**Part of 850**				**006_load_payable_005 003_process_po_005 (payment terms are on the PO)**

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
								152_sync_quote_001 (payment terms are on the quote)
Amend Payment Terms	**Procurement Management**	**Payment Term Negotiation**	**DOCAMR, DOCARE, Part of ORDCHG, ORDRSP**	**469 Part of Change PO, 860, 865**				**003_process_po_005 (payment terms are on the PO)** **152_sync_quote_001 (payment terms are on the quote)**
Item Performance History Request	**Procurement Management**	**Forecast / Planning**	**INVRPT**	**852**				
Item Performance History Response	**Procurement Management**	**Forecast / Planning**	**INVRPT**	**852**				
Create Sales/Order Forecast	**Procurement Management**	**Forecast / Planning**	**DELFOR**	**830, 850 (blanket)**	**PlanningSchedule, PlanningScheduleResponse**			**162_sync_plansched_002, 165_sync_seqsched_002**
Identify Forecast Exception	**Procurement Management**	**Forecast / Planning**						**163_get_plansched_002, 164_show_plansched_002, 166_get_seqsched_002, 167_show_seqsched_00**

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
								2
Resolve Forecast Exception	**Procurement Management**	**Forecast / Planning**						**163_get_plansched_002,** **164_show_plansched_002,** **166_get_seqsched_002,** **167_show_seqsched_002**
Create Shipping Schedule For JIT Delivery	**Procurement Management**	**Forecast / Planning**	**DELJIT**	**830**	**ShippingSchedule, ShippingScheduleResponse**			**168_sync_shipschd_002,** **169_get_shipschd_002,** **170_show_shipschd_002**
Request Forecast Information	**Procurement Management**	**Forecast / Planning**			**TimeSeries, TimeSeriesRequest, TimeSeriesResponse**			
Obtain Future Trend Analysis Request	**Procurement Management**	**Forecast / Planning**						
Obtain Future	**Procurement**	**Forecast /**						

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Trend Analysis Response	**Management**	**Planning**						
Obtain Performance History Request	**Procurement Management**	**Forecast / Planning**	**INVRPT**	**846**				
Obtain Performance History Response	**Procurement Management**	**Forecast / Planning**	**INVRPT**	**846, 852**				
Issue Sales/Order Forecast	**Procurement Management**	**Forecast / Planning**	**DELFOR**	**830, 850**				
Issue Raw Material Authorization	**Procurement Management**	**Forecast / Planning**	**DELFOR**	**830, 850**				
Issue Fabrication Authorization	**Procurement Management**	**Forecast / Planning**	**DELFOR**	**830, 850**				
Identify Forecast Exception	**Procurement Management**							
Resolve Forecast Exception	**Procurement Management**							
Issue Shipping Schedule for Delivery	**Procurement Management**	**Replenishment /Scheduling**	**DELJIT**	**862, 866**				
Receive Acknowledgment	**Procurement Management**	**Replenishment /Scheduling**	**APERAK**	**824**				

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
of Shipping Schedule Delivery								
Issue Shipment Authorization	Procurement Management	Replenishment /Scheduling	DELJIT	862, 866				
Identify Schedule Authorization	Procurement Management	Replenishment /Scheduling						
Resolve Schedule Exception	Procurement Management	Replenishment /Scheduling						
Issue Defect Notification	Procurement Management	Defect Resolution						
Issue Defect Resolution Plan	Procurement Management	Defect Resolution						
Receive Resolution Plan Acceptance	Procurement Management	Defect Resolution						
Test Specification	Procurement Management	Test Specification						
Manage Purchase Order (Create/Change/Cancel and Accept PO)	Procurement Management	Procurement	ORDCHG, ORDERS, ORDRSP	860, 852, 850, 865, 875, 876		PIP3A4	0410, 0411	004_Acknowldge_PO_005 056_Add_PO_005 058_Cancel_PO_005

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
								057_Change_PO_004 **010_Get_PO_005** **054_Getlist_PO_004** **055_List_PO_004** **003_Process_PO_005** **012_Receive_PO_004** **011_Show_PO_005** **092_Sync_PO_004**
Create Order	**Procurement Management**	**Procurement**	**ORDERS, ORDRSP**	**850, 855, 865**	**Order, OrderResponse**	**PIP3A4**		
Change Order	**Procurement Management**	**Procurement**	**ORDCHG**	**860**	**ChangeOrder**	**PIP3A4**		**057_Change_PO_004**
Request Order	**Procurement Management**	**Procurement**		**850 (OBI)**	**OrderRequest**			
Query Order Status	**Procurement Management**	**Procurement**	**OSTENQ, OSTRPT**	**869, 870**	**OrderStatusRequest, OrderStatusResult**	**PIP3A5**		**010_get_po_006, 011_show_po_005 054_getlist_po_005, 055_list_po_005**
Distribute Order	**Procurement**	**Procurement**	**OSTRPT**	**870**		**PIP3A6**		**011_show_po_006**

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Status	**Management**							
Notify Of Purchase Order Acceptance	**Procurement Management**	**Procurement**	**ORDRSP**	**855**		**PIP3A7**		**004_acknowledge_po_006**
Evaluate Supplier Performance	**Procurement Management**	**Procurement**						
Communicate Supplier Performance	**Procurement Management**	**Procurement**		**501**				
Authorize Fabrication	**Procurement Management**	**Authorize Action**	**DELFOR**	**830**				**066_create-prodorder_004**
Authorize Shipment	**Procurement Management**	**Authorize Action**	**DELJIT**	**830**				
Authorize Raw Material	**Procurement Management**	**Authorize Action**	**DELFOR**	**830**				
Distribute Despatch Instructions	**Procurement Management**	**Transportation and Distribution**	**INSDES**	**862, 858**		**PIP3B1**		**165_sync_shipschd_001**
Notify Of Advance Shipment	**Procurement Management**	**Transportation and Distribution**	**DESADV**	**856, 869**	**AdvanceShipNotice**	**PIP3B2**	**0520**	**165_sync_shipschd_001**

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Notify Of Shipment Status	**Procurement Management**	**Transportation and Distribution**	**IFTSTA, ORDSTA**	**114(Air), 214(Motor), 315(Ocean), 404 (Rail Carrier), 870**		**PIP3B3**		**161_Show_shipment_003**
Query Shipment Status	**Procurement Management**	**Transportation and Distribution**	**IFTSTQ**	**213(Motor Carrier), 313 (Ocean Carrier), 869**		**PIP3B4**		**161_show_shipment_001**
Change Shipment Information	**Procurement Management**	**Transportation and Distribution**	**RECON**	**856**		**PIP3B5**	**0520**	**161_show_shipment_001**
Notify Of Transport Exception	**Procurement Management**	**Transportation and Distribution**		**854**		**PIP3B6**		
Create Delivery Appointment	**Procurement Management**	**Transportation and Distribution**				**PIP3B7**		**059_update_delivery_003**
Notify Of Shipment Receipt	**Procurement Management**	**Transportation and Distribution**	**RECADV**	**861**		**PIP3B8**	**0540**	
Create Transportation	**Procurement Management**	**Transportation and**				**PIP3B9**		

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Claim		Distribution						
Shipment Instruction	Procurement Management	Transportation and Distribution	IFTMIN	304, 404,104,204 853				003_process_po_005 (instructions on po line and po line schedule)
Booking Confirmation	Procurement Management	Transportation and Distribution	IFTMBC, RESREQ	301				
Create Freight Invoices	Procurement Management	Transportation and Distribution	INVOIC, IFTMCS	110, 210, 310,410,810				
Customs Declaration (International Freight)	Procurement Management	Transportation and Distribution	CUSDEC					161_show_shipment_00 1(Carried as part of the Show Shipment)
Material Safety Data Sheet	Procurement Management		SAFHAZ	848				
Compliance Leak Report	Procurement Management							
Marine Inspection Report	Procurement Management			867				
Return Product	Procurement Management	Return of Goods	CREADV, DEBADV	180,812		PIP3C1	0710, 0711, 0720, 0730	161_show_shipment_00 1
Obtain Financing	Procurement	Payment	AUTHOR	828		PIP3C2		028_change_status_003,

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Approval	**Management**							**027_update_credit_003**
Match Invoice	**Procurement Management**	**Payment**	**INVOIC**	**810, 819, 811**		**PIP3C3**	**0810, 0811, 0820, 0821**	**073_load_matchdoc_004 ,** **077_get_matchdoc_005,** **078_Show_matchdoc_0 05**
Process Payment	**Procurement Management**	**Payment**	**REMADV, PAYORD, DIRDEB, FINSTA, BANSTA**	**820, 824, 823, 827, 185, 813**	**RemittanceAdvi ce**	**PIP3C4**	**0830, 0831**	
Distribute Risk Analysis	**Procurement Management**	**Product Configuration**				**PIP3D1**		
Distribute Test Report	**Procurement Management**	**Product Configuration**				**PIP3D2**		
Distribute Test Result	**Procurement Management**	**Product Configuration**	**BMISRM**	**863**		**PIP3D10**		
Request Product Acceptance	**Procurement Management**	**Product Configuration**				**PIP3D11**		

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Distribute Engineering Change Request	**Procurement Management**	**Product Configuration**				**PIP3D12**		**107_sync_engchgorder_002,** **108_get_engchgordr_002,** **109_show_engchgorder_002**
Distribute Engineering Change Response	**Procurement Management**	**Product Configuration**				**PIP3D13**		**107_sync_engchgorder_002,** **108_get_engchgordr_002,** **109_show_engchgorder_002**
Request Engineering Change Order Approval	**Procurement Management**	**Product Configuration**				**PIP3D14**		**107_sync_engchgorder_002,** **108_get_engchgordr_002,** **109_show_engchgorder_002**
Notify Of Engineering Change Order	**Procurement Management**	**Product Configuration**				**PIP3D15**		**110_confirm_engchgorder_002**
Notify Of Engineering	**Procurement**	**Product**				**PIP3D16**		**110_confirm_engchgord**

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Change Implementation Plan	**Management**	**Configuration**						**er_002**
Notify Of Solution Configuration	**Procurement Management**	**Product Configuration**				**PIP3D2**		**110_confirm_engchgord er_002**
Notify Of Manufacturing Specification	**Procurement Management**	**Product Configuration**				**PIP3D3**		**110_confirm_engchgord er_002**
Request Build Authorization	**Procurement Management**	**Product Configuration**		**625**		**PIP3D4**		
Distribute Material Status	**Procurement Management**	**Product Configuration**				**PIP3D5**		**061_show_item_004**
Notify Of Build Readiness	**Procurement Management**	**Product Configuration**				**PIP3D6**		
Request Deviation Or Waiver	**Procurement Management**	**Product Configuration**				**PIP3D7**		
Distribute Work In Process	**Procurement Management**	**Product Configuration**				**PIP3D8**		**033_update_wipconfirm _004**
Query Work In Process	**Procurement Management**	**Product Configuration**				**PIP3D9**		**031_get_wipconfirm_003** **032_show_wipconfirn_0 04**
Distribute New Product	**Product**	**Preparation for**		**832**		**PIP2A1**	**0110**	**140_sync_itemspecs_00**

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Information	**Introduction**	**Distribution**						**1** **142_show_itemspecs_001**
Query Product Information	**Product Introduction**	**Preparation for Distribution**	**TIQREQ**	**893, 620**		**PIP2A2**		**141_get_itemspecs_001,** **142_show_itemspecs_001,** **100_get_item_003,** **101_show_item_003**
Query Marketing Information	**Product Introduction**	**Preparation for Distribution**				**PIP2A3**		**141_get_itemspecs_001,** **142_show_itemspecs_001,** **139_show_pricelist_001,** **138_get_pricelist_001,** **135_get_itemxref_001,** **136_show_itemxref_001**
Query Sales Promotion And Rebate Information	**Product Introduction**	**Preparation for Distribution**		**889**		**PIP2A4**		**141_get_itemspecs_001,** **142_show_itemspecs_001**
Query Technical	**Product**	**Preparation for**		**841**		**PIP2A5**		**141_get_itemspecs_001,**

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Information	**Introduction**	**Distribution**						**142_show_itemspecs_0 01**
Query Product Lifecycle Information	**Product Introduction**	**Preparation for Distribution**				**PIP2A6**		**141_get_itemspecs_001, 142_show_itemspecs_0 01**
Request Product Discontinuation Information	**Product Introduction**	**Preparation for Distribution**				**PIP2A7**		**141_get_itemspecs_001, 142_show_itemspecs_0 01**
Distribute Product Stock Keeping Unit (SKU)	**Product Introduction**	**Preparation for Distribution**				**PIP2A8**		**134_sync_itemxref_001 136_show_itemxref_001**
Change Product Information	**Product Introduction**	**Product Change Notification**	**TUPREQ, SKDUPD**	**888**		**PIP2B1**		**065_update_productreq _004**
Change Marketing Information	**Product Introduction**	**Product Change Notification**				**PIP2B2**		**140_sync_itemspecs_00 1,**
Change Sales Promotion And Rebate Information	**Product Introduction**	**Product Change Notification**				**PIP2B3**		**137_sync_pricelist_001 140_sync_itemspecs_00 1**

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Change Product Technical Information	**Product Introduction**	**Product Change Notification**				**PIP2B4**		**140_sync_itemspecs_001** **061_sync_item_004**
Change Product Lifecycle Information	**Product Introduction**	**Product Change Notification**				**PIP2B5**		**134_sync_itemxref_001,**
Query Optional Product Information	**Product Introduction**	**Product Change Notification**				**PIP2B6**		**135_get_itemxref_001,** **136_show_itemxref_001**
Distribute Inventory Report	**Procurement Management**	**Inventory Reporting**	**INVRPT**	**846**		**PIP4C1**		**068_sync_inventory_005,**
Distribute Inventory Tieout Report	**Procurement Management**	**Inventory Reporting**				**PIP4C2**		
Distribute Inventory Error Notification	**Procurement Management**	**Inventory Reporting**				**PIP4C3**		
Distribute Inventory Tie-Out Discrepancy Report	**Procurement Management**	**Inventory Reporting**				**PIP4C4**		**022_get_countinfo,** **023_show_countinfo**

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Warehouse Stock Transfer Receipt Advice	**Procurement Management**	**Inventory Reporting**	**RECADV**	**944**				**036_show_picklist_005** **037_update_picklist_005**
Warehouse Stock Transfer Shipment Advice	**Procurement Management**	**Inventory Reporting**		**943**				**036_show_picklist_005** **037_update_picklist_005**
Notify Of Commercial Sales Report	**Procurement Management**	**Sales Reporting**	**SLSRPT, STLRPT**	**867**		**PIP4E1**		**089_getlist_salesorder_0 05** **090_list_salesorder_005**
Notify Of Consumer Sales Report	**Procurement Management**	**Sales Reporting**				**PIP4E2**		**089_getlist_salesorder_0 05** **090_list_salesorder_005**
Notify Of Tieout Sales Report	**Procurement Management**	**Sales Reporting**				**PIP4E3**		**089_getlist_salesorder_0 05** **090_list_salesorder_005**
Request Detail Sales Tieout Report	**Procurement Management**	**Sales Reporting**				**PIP4E4**		**089_getlist_salesorder_0 05** **090_list_salesorder_005**
Distribute Commercial Sales Report Error Notification	**Procurement Management**	**Sales Reporting**				**PIP4E5**		**089_getlist_salesorder_0 05** **090_list_salesorder_005**

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Notify Of Consumer Sales Report For Affected Errors	**Procurement Management**	**Sales Reporting**						
Distribute Consumer Sales Report Error Notification	**Procurement Management**	**Sales Reporting**				**PIP4E6**		
Price Protection	**Procurement Management**	**Price Protection**				**PIP4F**		
Ship From Stock And Debit_Credit	**Procurement Management**	**Ship from Stock and Debit_Credit**						**161_show_shipment_003**
	Procurement Management	**Regulatory_Royalty**		**185, 813**				
Create Invoice (Products)	**Financial**	**Financial**	**INVOIC**	**810**	**InvoicePresentment**			**076_load_plinvoice_003**
Create Invoice (Services)	**Financial**	**Financial**		**811**				
Receive Payables	**Financial**	**Financial**		**820**				**006_load_payable_005**
Originate Payables	**Financial**	**Financial**		**820**				
Receive	**Financial**	**Financial**		**820, 823**				

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Receivables								
Originate Receivables	**Financial**	**Financial**		**820**				
Originate Child Support Payments	**Financial**	**Financial**		**820**				
Originate Payroll	**Financial**	**Financial**		**820**				
Originate Tax Payments	**Financial**	**Financial**		**820**				
Originate Royalty Payments	**Financial**	**Financial**		**820**				
Acknowledge a Payment Order	**Financial**	**Financial**		**824**				
Confirm/Verify Payment Orders	**Financial**	**Financial**		**831**				
Notify Party of Returned payment Item	**Financial**	**Financial**		**827**				
Request Payment Cancellation	**Financial**	**Financial**		**829**				
Process Lockbox	**Financial**	**Financial**		**823**				
Cash Reconciliation	**Financial**	**Financial**		**821**				

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
(Asset)								
Cash Reconciliation (Liability)	**Financial**	**Financial**		**821**				
Send Debit Authorization	**Financial**	**Financial**		**828**				
Issue a Check Issuance List	**Financial**	**Financial**		**828**				
Transmit Business Credit Information	**Financial**	**Financial**		**155**				
Transmit Real Estate Title Information	**Financial**	**Financial**		**197**				
Request Loan Information	**Financial**	**Financial**		**198**				
Transmit Loan Information	**Financial**	**Financial**		**198**				
Transmit Real Estate Settlement Information	**Financial**	**Financial**		**199**				
Report Mortgage Credit Information	**Financial**	**Financial**		**200**				

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Transmit Uniform Residential Loan Application	**Financial**	**Financial**		**201**				
Transmit Mortgage Loan Information	**Financial**	**Financial**		**202**				
Transmit Mortgage Note Information and Characteristics	**Financial**	**Financial**		**205**				
Transmit Mortgage Service Information	**Financial**	**Financial**		**203**				
Transmit Real Estate Site Inspection Information	**Financial**	**Financial**		**206**				
Transmit Property Tax Information	**Financial**	**Financial**		**245**				
Transmit Collection Account Assignments	**Financial**	**Financial**		**248**				
Report Collection Account Status Inquiries	**Financial**	**Financial**		**248**				

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Apply for Mortgage Insurance Benefits	**Financial**	**Financial**		**260**				
Request Real Estate Information	**Financial**	**Financial**		**261**				
Report Real Estate Information	**Financial**	**Financial**		**262**				
Respond to a Residential Mortgage Insurance Application	**Financial**	**Financial**		**263**				
Mortgage Loan Default Status Report	**Financial**	**Financial**		**264**				
Order Real Estate Title Insurance Services	**Financial**	**Financial**		**265**				
Notify Parties of Mortgage or Property Record Change	**Financial**	**Financial**		**266**				
Transmit a Debit/Credit	**Financial**	**Financial**		**812**				

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Adjustment								
Request/Respond Financial Action	**Financial**	**Financial**		**814**				
Transmit Billing and Operating Expense Details	**Financial**	**Financial**		**819**				
Transmit Account Analysis Information	**Financial**	**Financial**		**822**				
Order for Mortgage Credit Information	**Financial**	**Financial**		**833**				
Request Account Adjustment Action	**Financial**	**Financial**		**844**				
Respond to a Request for Account Adjustment Action	**Financial**	**Financial**		**849**				
Apply for Residential Mortgage Insurance	**Financial**	**Financial**		**872**				
Invoice for Grocery Products	**Financial**	**Financial**		**880**				

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Create Payroll	**Financial**	**Financial**						**040_update_persontime _003**
Issue Ticket/Voucher			**TKTREQ, TIKTRES**					
Exchange/Reissue Ticket			**TKTREQ, TIKTRES**					
Refund Ticket			**TKTREQ, TIKTRES**					
Void Ticket			**TKTREQ, TIKTRES**					
Request Payment Status	**Financial**	**Financial**	**REMADV**	**820**	**PaymentStatus Request, PaymentStatus Response**			
Request Payment	**Financial**	**Financial**	**REMADV**	**820**	**PaymentReque st, PaymentReque stAcknowledge ment**			
Customs Declaration (Shipper)	**Transportation and Logistics**	**Declaration of Goods and transportation**	**CUSDEC**					**161_show_shipment_00 3,** **003_process_po_006,** **084_sync_salesorder_00**

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
								5 (Customs declarations can be carried on each of these.)
Shipping Line To Customs – (Carrier)	**Transportation and Logistics**	**Declaration of Goods and transportation**	**CUSCAR**					**161_show_shipment_003,** **003_process_po_006,** **084_sync_salesorder_005 (Customs declarations can be carried on each of these.)**
Environment Health And Safety Declaration	**Transportation and Logistics**	**Declaration of Goods and transportation**	**IFTDGN**					**161_show_shipment_003,** **003_process_po_006,** **084_sync_salesorder_005 (Customs declarations can be carried on each of these.)**
Export And Import Declaration	**Transportation and Logistics**	**Declaration of Goods and transportation**						**161_show_shipment_003,** **003_process_po_006,** **084_sync_salesorder_005 (Customs declarations can be carried on each**

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
								of these.)
Import Side Compliance Check	**Transportation and Logistics**	**Declaration of Goods and transportation**						**161_show_shipment_003,** **003_process_po_006,** **084_sync_salesorder_005 (Customs declarations can be carried on each of these.)**
Voyage Itinerary / Schedules	**Transportation and Logistics**	**Declaration of Goods and transportation**						**161_show_shipment_003,** **003_process_po_006,** **084_sync_salesorder_005 (Customs declarations can be carried on each of these.)**
Request For Compliance Screening (Solvency Check)	**Transportation and Logistics**	**Declaration of Goods and transportation**						**161_show_shipment_003,** **003_process_po_006,** **084_sync_salesorder_005 (Customs declarations can be carried on each of these.)**

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Announce Arrival Of Vessel/Vehicle	**Transportation and Logistics**	**Inbound Transport (at international port)**						**161_show_shipment_003**
Entry Of Cargo	**Transportation and Logistics**	**Inbound Transport (at international port)**	**COARRI**					
Pickup / Pre-carriage Of Goods At Origin	**Transportation and Logistics**	**Inbound Transport (at international port)**						**161_show_shipment_003**
Announce Departure Of Vessel / Vehicle	**Transportation and Logistics**	**Outbound Transportation (at international port)**						**161_show_shipment_003**
Departure Of Cargo	**Transportation and Logistics**	**Outbound Transportation (at international port)**	**CODECO**					
Onward Carriage Of Cargo To Final Destination	**Transportation and Logistics**	**Outbound Transportation (at international**						**161_show_shipment_003**

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
		port)						
Vessel / Vehicle Arrival Planning	**Transportation and Logistics**	**Operation (at international port of call)**						161_show_shipment_003
Vessel / Vehicle Departure Planning	**Transportation and Logistics**	**Operation (at international port of call)**						161_show_shipment_003
Vessel / Vehicle Discharge Operation	**Transportation and Logistics**	**Operation (at international port of call)**	**BAPLIE**					
Vessel / Vehicle Load Operation	**Transportation and Logistics**	**Operation (at international port of call)**						
Cargo Relay Operation	**Transportation and Logistics**	**Operation (at international port of call)**						
Customs Clearance Of Cargo For Export	**Transportation and Logistics**	**Clearance**						161_show_shipment_003
Customs Clearance Of Cargo For Import	**Transportation and Logistics**	**Clearance**						161_show_shipment_003
Health And Safety	**Transportation**	**Clearance**						161_show_shipment_00

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Clearance Of Cargo	**and Logistics**							**3**
To-Be-Determined	**Transportation and Logistics**	**G. Cross Border Return Handling**						
Manage Sales Lead	**Marketing Management**	**Marketing Campaign Management**				**PIP5A1**		
Transfer Sales Lead Responsibility	**Marketing Management**	**Marketing Campaign Management**				**PIP5A2**		**087_change_salesorder _006 (Carries sales lead resp. for the order.)**
Query Sales Lead Status	**Marketing Management**	**Marketing Campaign Management**				**PIP5A3**		
Notify Of Sales Lead Status	**Marketing Management**	**Marketing Campaign Management**				**PIP5A4**		
Distribute Marketing Activity Information	**Marketing Management**	**Marketing Campaign Management**				**PIP5B1**		
Notify Of Marketing Activity	**Marketing Management**	**Marketing Campaign Management**			**?**			

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Create Sales Marketing Claim	**Marketing Management**	**Marketing Campaign Management**			?			
Process Sales Marketing Claim	**Marketing Management**	**Marketing Campaign Management**				**PIP5B2**		
Change Sales Marketing Claim	**Marketing Management**	**Marketing Campaign Management**				**PIP5B3**		
Notify Of Cancel Sales Marketing Claim	**Marketing Management**	**Marketing Campaign Management**				**PIP5B4**		
Query Sales Marketing Claim Status	**Marketing Management**	**Marketing Campaign Management**				**PIP5B5**		
Notify Of Sales Marketing Claim Status	**Marketing Management**	**Marketing Campaign Management**				**PIP5B6**		
Distribute Product List	**Marketing Management**	**Design Win Management**				**PIP5C1**		
Request Design Registration	**Marketing Management**	**Design Win Management**				**PIP5C2**		
Request Design	**Marketing**	**Design Win**				**PIP5C3**		

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Win	**Management**	**Management**						
Distribute Registration Status	**Marketing Management**	**Design Win Management**				**PIP5C4**		
Query Registration Status	**Marketing Management**	**Design Win Management**				**PIP5C5**		
Request Ship From Stock And Debit Authorization	**Marketing Management**	**Ship from Stock and Debit**				**PIP5D1**		**019_confirm_issue_005**
Notify Of Blanket Ship From Stock And Debit Authorization	**Marketing Management**	**Ship from Stock and Debit**				**PIP5D2**		**161_show_shipment_003**
Distribute Open Ship From Stock And Debit Authorization Status	**Marketing Management**	**Ship from Stock and Debit**				**PIP5D3**		
Query Ship From Stock And Debit Authorization Status	**Marketing Management**	**Ship from Stock and Debit**				**PIP5D4**		
Create Ship From Stock And Debit	**Marketing Management**	**Ship from Stock and**				**PIP5D5**		

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Claim		**Debit**						
Notify Of Ship From Stock And Debit Claim Status	**Marketing Management**	**Ship from Stock and Debit**				**PIP5D6**		**028_change_status_003**
Product Request (Internal / External – All Sources)	**Product Development**	**Needs Determination**	**PROINQ**	**841, 244**				
Request Evaluation (Research)	**Product Development**	**Needs Determination**		**841**				**143_sync_rfq_002**
Evaluation Results	**Product Development**	**Needs Determination**	**PRODAT**	**841**				**143_syn_rfq_002,** **151_show_rfq_002**
Gather and Document Information	**Product Development**	**Requirements Definition**	**GENRAL**	**841**				**143_sync_rfq_002**
Analyze Information	**Product Development**	**Requirements Definition**						
Develop Functional Specifications	**Product Development**	**Requirements Definition**						
Develop Technical Specifications	**Product Development**	**Design Product**	**PRODAT**	**841**				

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
Design Tooling	**Product Development**	**Design Product**		**841**				**150_get_rfq_002,** **151_show_rfq_002,** **144_add_rfq_002,** **146_cancel_rfq_002**
Design Process (Routing)	**Product Development**	**Design Product**	**PROTAP**	**841**				**150_get_rfq_002,** **151_show_rfq_002,** **144_add_rfq_002,** **146_cancel_rfq_002**
Establish Product Configuration (BOM)	**Product Development**	**Design Product**	**PRODAT**	**841**				**145_change_rfq_002**
	Production Planning							**145_change_rfq_002**
Initiate Manufacturing Order	**Product Manufacturing**	**Manufacturing**	**ORDERS**	**830**				**145_change_rfq_002**
Setup Production Line (Tooling)	**Product Manufacturing**	**Manufacturing**						**145_change_rfq_002**
Get Materials (RM / Component Parts /	**Product Manufacturing**	**Manufacturing**						

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
MRO)								
Produce Product	**Product Manufacturing**	**Manufacturing**						
Inspect Incoming Material (Tooling, RM, Components)	**Product Manufacturing**	**Quality Assurance**	**INSRPT, INSREQ**	**863**				
Inspect WIP	**Product Manufacturing**	**Quality Assurance**	**INSRPT, INSREQ**	**863**				
Inspect Finished Goods	**Product Manufacturing**	**Quality Assurance**	**INSRPT, INSREQ**	**863**				
Test Product/Process Characteristics (RM, Components, Finished Goods)	**Product Manufacturing**	**Quality Assurance**	**QALITY**	**863**				
Report Test Results / Non-conformance / Scrap / Rework / Certifications	**Product Manufacturing**	**Quality Assurance**	**QALITY, INSRPT**	**863, 842**				
Provide And Administer Asset Management	**Service Support**	**Provide and Administer Warranties,**				**PIP6A1**		

Common Business Processes	Normative Category	Normative Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	CII (HWSW001A)	OAG BODs
		Service Packages, and Contracted Services						
Technical Support And Service Management	**Service Support**	**Provide and Administer Warranties, Service Packages, and Contracted Services**				**PIP6C1 PIP6C2 PIP6C3 PIP6C4**		
	Service Support	**Provide and Administer Asset Management**				**PIP6B1**		

266

267   8.2   Catalog of Industry Specific Business Processes with Cross References

268

Common Business Processes	Category	Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	OAG BODs
Declare Lien	Insurance	Administration	IPPOAD				
Accept Lien	Insurance	Administration	IPPOAD				
Change Insurer	Insurance	Cancellation	IPPOAD				
Claims Recovery Request	Insurance	Cancellation	IPPOAD, (Other TBD)				
Claims Recovery Acceptance	Insurance	Cancellation	IPPOAD, (Other TBD)				
Loss Advice	Insurance	Claims	IFTICL	272, 148			
Solicitor Instruction / Report	Insurance	Claims	ICSOLI				
Claims Settlement / Agreement / Invoice	Insurance	Claims	IFTICL, ICASRP	276, 810, 811			
Loss Adjustment	Insurance	Claims	IFTICL				
Payment Rejection	Insurance	Claims	ICASRP	824			
Claims Payment	Insurance	Claims	PRPAID	820, 835			
Claims Survey Request	Insurance	Claims	IFTICL, ICASRP				
Claims Survey Report	Insurance	Claims	IFTICL, ICASRP				

Common Business Processes	Category	Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	OAG BODs
Claims Recovery / Subrogation Request	**Insurance**	**Claims**	**ICASRP**	**272**			
Claims Recovery/ Subrogation Response	**Insurance**	**Claims**	**ICASRP**	**272**			
Authorization for Vendor Services on a Claim	**Insurance**	**Claims**	**ICASRP**	**272**			
Change / Cancel Authorization for Vendor Services	**Insurance**	**Claims**		**272, 824**			
Intermediary System Authority Update Request	**Insurance**	**System Services**	**ISENDS**				
Intermediary System Authority Update Accept	**Insurance**	**System Services**	**ISENDS**				
Support Application for Admission	**Student Record**	**Transcript/Student Record Transfer**		**130**			
Update Enrollment Status	**Student Record**	**Transcript/Student Record Transfer**		**130**			
Support Application for Employment	**Student Record**	**Transcript/Student Record Transfer**		**130**			
Provide Transfer Credit Validation	**Student Record**	**Transcript/Student Record Transfer**		**130**			

Common Business Processes	Category	Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	OAG BODs
Transfer Student Record	**Student Record**	**Transcript/Student Record Transfer**		**130**			
Support Licensing Application	**Student Record**	**Transcript/Student Record Transfer**		**130**			
Authenticate Sender of Transcript	**Student Record**	**Transcript Acknowledgment**		**131**			
Reconcile Transcript Data	**Student Record**	**Transcript Acknowledgment**		**131**			
Request Delivery of Transcript	**Student Record**	**Request Transcript**		**146**			
Respond to Transcript Request	**Student Record**	**Request Response**		**147**			
Support Application for Admission to Educational Institution	**Test Score Report**	**Transfer of Test Score and Related Information**		**138**			
Support Application for Employment	**Test Score Report**	**Transfer of Test Score and Related Information**		**138**			
Support Licensing Application	**Test Score Report**	**Transfer of Test Score and Related Information**		**138**			
Update Testing Service	**Test Score Report**	**Transfer of Test Score and Related**		**138**			

Common Business Processes	Category	Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	OAG BODs
Information		Information					
Create a Prospective Student Record	Prospective Student Report	Transfer of Prospective Student Information		138			
Update a Prospective Student Record	Prospective Student Report	Transfer of Prospective Student Information		138			
Transfer Application Data	Admission of Students	Admission Application Processing		189			
Report Student Status Confirmation	Student Status Certification	Enrollment Verification		190			
Confirm Degree Awarded		Degree Verification		190			
Distribute Course Information	Course Catalog			188			
Request Course Information	Course Catalog			188			
Report Staff Profile	Human Resources	Staffing Information		132			
Report Staff Assignments				132			
Report Institution Description	Institutional Characteristics	Institution Information		133			

Common Business Processes	Category	Sub Category	EDIFACT including sub-sets	X12 including sub-sets	xCBL 3.0	RosettaNet Partner Interface Process	OAG BODs
Report Institution Enrollment	**Institutional Characteristics**	**Institution Information**		**133**			
Report Institutional Student Profile	**Institutional Characteristics**	**Institution Information**		**133**			

269

270 ## 8.3   Description of Common Business Processes

271   Each common business process identified in the catalog will contain detailed description in this section. This definition will identify the roles, transaction
272   and documents involved in this process. Currently the table has limited description and will grow as domain experts define the business process
273   specifications.

Business Process	Definition
Request For Quote	The Request Quote allows a Buyer to request a product quote from a Seller. The Seller may return a quote, or a referral to another Seller. The Buyer then has the option of requesting a quote from the referral. Quotes may involve: *One or more items. * Fixed price quotes or negotiated prices. *Configurable or standalone product.
Query Price And Availability	Partners can query the price and availability of products from other partners that supply products in the supply chain. This query contains both the specification of a request for information and a specification of how that information must be returned to the requestor. (The information must be returned in tabular format in the order specified by the select part of the query.)
Manage Purchase Order	The purchase order management process comprises the creation, change and cancellation of a purchase order. A Buyer or buying organization initially creates a purchase order and sends the request to fulfil the order to a Seller. The Seller acknowledges acceptance of the purchase order by returning a substantive purchase order acceptance Business Document. A Buyer can then initiate a purchase order change or cancel the purchase order.
Query Order Status	The status of a product order is requested after a purchase order is created. The status of a purchase order informs a requesting partner of the fulfilment and shipping status of the products in the order. For example, products in the purchase order request may be backordered, shipped, or the entire purchase order may have been cancelled.
Distribute Order Status	The status of a product order is distributed on an unsolicited basis after a purchase order is created. The status of a product order informs a Buyer of the fulfillment and/or shipping status of the products in the order. For example, products in the purchase order request may be backordered, shipped or the entire purchase order may have been canceled
Distribute New Product Information	The process for distributing new product information to Buyers so that enterprise systems can be established to accept product orders, and for product information users to populate the Buyer's online sales catalogs.

	Two categories of product information are listed below.	
	1. Sales catalog information typically used to promote products to non-technical customers. Sales catalog information can include quantities, prices and marketing information.	
	2. Technical specifications that are used to promote products to technical products and to create content for configuration catalogs. Technical specifications only comprise the qualitative and quantitative properties.	
	Product information is typically exchanged to partners who have subscribed for new announcements.	

274

275   8.4   REA Table

276   This table illustrates the normative categories and subcategories of an enterprise as envisioned in the value chain model of Michael Porter. It also
277   includes columns for illustrative REA (Resources-Events-Agent) components of the BRV layer of the UMM metamodel. The table portrays: (1) each
278   normative category, (2) its possible sub-categories, (3) its normal types of resource inflows and outflows, (4) its major types of events that effect those
279   flows, and (5) the normal types of agents and roles for those processes. This table is intended to be illustrative only, not exhaustive. The table also
280   includes an entry for an *Administration* category, a component not shown on the resource flow figure

281

Normative Category	Normative Sub-Category	Resource inflows & outflow	Major types of events	Economic Agents & Roles
Procurement	Bid Submission	Money	Payments	Buyer
	Contract Negotiation	Raw materials	Purchase	Seller
	Purchase Order Preparation	Facilities	Purchase Orders	Vendor
	Receiving	Services	Price Quotes	Cashier
		Technology	Contract Negotiation	
Human Resources	Hiring	Money	Cash Payments	Employee

Normative Category	Normative Sub-Category	Resource inflows & outflow	Major types of events	Economic Agents & Roles
	Training	Purchased training materials	Acquisition of labor	Student
	Payroll Management	Purchased benefit packages	Training	Beneficiary
	Personnel Deployment			
Transportation	Loading	Raw Materials	Shipment	Buyer
	Shipping	Delivered Raw Materials	Warehousing Tasks	Vendor
	Packaging	Manufactured Goods	Material Handling	Logistics Worker
		Delivered Manufactured Goods	Trucking	Trucker
Manufacturing	Product Development	Facilities & Technology	Manufacturing Operation	Factory Worker
	Product Design	Labor	Raw Material Issue	Supervisor
	Assembly	Raw Materials	Manufacturing Job	QC Inspector
	Quality control	Finished Goods		
Marketing & Sales	Advertising Use & Campaigning	Labor	Cash Payment	Customer
	Marketing Management	Advertising Service	Customer Invoice	Salesperson
	Sales Calling	Delivered Goods	Sale Order	Cashier
	Customer Credit Management	Product Services	Price Quotes	
		Cash	Contract Negotiation	
Customer Service	After Sales Service	Labor	Service Call	Customer Service
	Warranty Construction	Purchased Services	Product Repair	Agent

Normative Category	Normative Sub-Category	Resource inflows & outflow	Major types of events	Economic Agents & Roles
		Product Warranties and Services	Service Contract	Customer
Financing	Loan Management	Cash	Interest Payments	Stockholders
	Stock Subscriptions and Sales	Bonds	Stock Subscriptions	BondHolders
	Dividend Policy	Stocks	Dividend Declarations	Investment Brokers
		Derivative Instruments	Cash Receipts	Financial Managers
Administration	Accounting	Employee Labor	Employee Service	Managers
	Financial Reporting		Management Projects	Clerks
	Executive Management			

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8.5 Transactional View

283

284   This section and table depicts the use of common business processes identified in the catalog, as business processes, binary collaborations and
285   business transactions within a specific hypothetical business process. That process is certain simple economic relationships between a dot.com
286   retailer (partner type "Retailer") and a drop ship vendor (partner type "DSVendor"), in the hypothetical Business Area "Direct to Customer Retail",
287   described in the exemplary use case used in the worksheets Sections 7 and 8 of the Business Process Analysis & Worksheets. The table below
288   contains the essential metamodel element values for the business processes listed.

289
290

291

- A Business Transaction is an exchange of Business Documents between two parties.   This table shows one row per Business Transaction.
- All Business Transactions MUST be contained in a two-party Binary Collaboration. CPAs are associated with each Binary Collaboration: the Process Specification Digest in a CPA points to a particular Authorized Role, and therefore to a particular Business Transaction, within a Binary Collaboration. A Binary Collaboration MUST contain one or more Business Transaction, which in the aggregate MUST use only two Partner Types. One or more Binary Collaborations MAY be aggregated (nested) into composite Collaborations which MUST use two Partner Types and MAY use more than two.
- A Business Process is a Collaboration (aggregated at any level) referenced as a whole process by an ebXML registry.   This entire table may be defined as one Business Process. Partner types are assigned to persistent roles within a Business Process.
- Authorized Roles are assigned to each of the two roles in each Business Transaction. Each MUST be unique within a Business Process. It is RECOMMENDED that Authorized Roles be named to facilitate resource discovery, by creating unique composite values from a controlled vocabulary. There is no normative rule for generating the names. In this table, we have used a *hypothetical* controlled vocabulary which includes *"Buyer, Seller, Shipper, Carrier, Shipment Receiver, Payor, Payee, Debtor, Creditor, Credit Service, Reporter, Report Receiver"*, to promote resource discovery and re-use, and we have elected to use the Business Transaction names (and, where necessary, Collaboration names) to qualify and distinguish them.

292

BUSINESS PROCESS	BINARY COLLABOR-ATION (protocol)	BUSINESS TRANSACTION (activity) [N90 pattern][3]	INITIATING / REQUESTING SIDE [X12:EDIFACT equivalents]		RESPONDING SIDE [X12:EDIFACT equivalents]	
Order Fulfillment	Manage Purchase Order**	Create order** [Commercial Transaction]	PARTNER TYPE: Retailer AUTH ROLE: Buyer.Create order	DOCUMENT: Purchase Order [850:ORDERS]	PARTNER TYPE: DSVendor AUTH ROLE: : Seller.Create order	DOCUMENT: PO Acknowledgement [855:ORDRSP]

[3] This column suggests use of one of the six demonstrative transaction patterns currently offered in the UN/CEFACT TMWG N90 metamodel.

** These Business Transactions have been reused from the ebXML Common Business Process Catalog ver 1.0.

BUSINESS PROCESS	BINARY COLLABOR- ATION (protocol)	BUSINESS TRANSACTION (activity) [N90 pattern][3]	INITIATING / REQUESTING SIDE [X12:EDIFACT equivalents]		RESPONDING SIDE [X12:EDIFACT equivalents]	
		Change Order ** [Commercial Transaction]	PARTNER TYPE: Retailer AUTH ROLE: Buyer.Change order	DOCUMENT: Purchase Order [860:ORDCHG]	PARTNER TYPE: DSVendor AUTH ROLE: : Seller.Change order	DOCUMENT: PO Acknowledgement [865:ORDRSP]
	Notify of advance shipment**	Notify of advance shipment [Notification]	PARTNER TYPE: DSVendor AUTH ROLE: Shipper.Notify of advance shipment	DOCUMENT: ASN [856:DESADV]	PARTNER TYPE: Retailer AUTH ROLE: Receiver.Notify of advance shipment	[No document: receive ASN]
Payment Fulfillment	Process Payment**	Process payment [Commercial Transaction]	PARTNER TYPE: DSVendor AUTH ROLE: Payee.Process payment	DOCUMENT: Send Invoice [810:INVOIC]	PARTNER TYPE: Retailer AUTH ROLE: Payor.Process payment	DOCUMENT: Pay invoice [820:PAYORD]

293

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