

Appendix A: XML DTD Example

1. XML DTD Of Current Customer Order File

```

<?xml version="1.0" encoding="UTF-8"?>
<!ELEMENT billto_address (#PCDATA)>
<!ELEMENT billto_code (#PCDATA)>
<!ELEMENT billto_name (#PCDATA)>
<!ELEMENT buyer_code (#PCDATA)>
<!ELEMENT buyer_email (#PCDATA)>
<!ELEMENT buyer_fax (#PCDATA)>
<!ELEMENT buyer_line_no (#PCDATA)>
<!ATTLIST buyer_line_no_type CDATA #FIXED "text/plain">
<!ELEMENT buyer_name (#PCDATA)>
<!ELEMENT buyer_plant (#PCDATA)>
<!ELEMENT buyer_tel (#PCDATA)>
<!ELEMENT corp (#PCDATA)>
<!ELEMENT customer_order (orno?, from_duns_no?, to_duns_no?, vendor_no?, corp?, soor_no?,
order_date?, document_type?, valid_from?, valid_to?, tax_code?, tax_desc?, payment_terms_code?,
payment_terms_desc?, payment_currency?, order_currency?, exchange_rate_code?,
exchange_rate_desc?, ship_terms_code?, ship_terms_desc?, packing_desc?, buyer_code?,
buyer_name?, buyer_tel?, buyer_fax?, buyer_email?, buyer_plant?, sales_code?, sales_name?,
sales_tel?, sales_fax?, sales_email?, ship_to_code?, ship_to_address1?, ship_to_address2?,
ship_to_address3?, ship_to_address4?, ship_from_code?, ship_from_address?, header_comment1?,
header_comment2?, header_comment3?, header_comment4?, billto_code?, billto_name?,
billto_address?, header_send_time?, header_original_version?, order_line_item+)>
<!ATTLIST customer_order_type CDATA #FIXED "text/plain">
<!ELEMENT document_type (#PCDATA)>
<!ELEMENT duns_no (#PCDATA)>
<!ELEMENT exchange_rate_code (#PCDATA)>
<!ELEMENT exchange_rate_desc (#PCDATA)>
<!ELEMENT from_duns_no (#PCDATA)>
<!ELEMENT header_comment1 (#PCDATA)>
<!ELEMENT header_comment2 (#PCDATA)>
<!ELEMENT header_comment3 (#PCDATA)>
<!ELEMENT header_comment4 (#PCDATA)>
<!ELEMENT header_original_version (#PCDATA)>
<!ELEMENT header_send_time (#PCDATA)>
<!ELEMENT isub_item_mode_flag (#PCDATA)>
<!ATTLIST isub_item_mode_flag_type CDATA #FIXED "text/plain">
<!ELEMENT item_action_code (#PCDATA)>
<!ATTLIST item_action_code_type CDATA #FIXED "text/plain">
<!ELEMENT item_comment1 (#PCDATA)>
<!ELEMENT item_comment2 (#PCDATA)>
<!ELEMENT item_comment3 (#PCDATA)>
<!ELEMENT item_comment4 (#PCDATA)>
<!ELEMENT item_original_version (#PCDATA)>
<!ATTLIST item_original_version_type CDATA #FIXED "text/plain">
<!ELEMENT item_send_time (#PCDATA)>
<!ELEMENT net_order_price (#PCDATA)>
<!ELEMENT order_currency (#PCDATA)>
<!ELEMENT order_date (#PCDATA)>
<!ELEMENT order_line_item (buyer_line_no?, seller_line_no?, part_no?, part_no_desc?,
part_no_desc1?, part_no_desc2?, request_date?, order_quantity?, item_action_code?, shipped_date*,
shipped_quantity*, price_unit?, net_order_price?, unit?, ship_to_code?, ship_to_address1?,
ship_to_address2?, ship_to_address3?, ship_to_address4?, item_comment1?, item_comment2?,
item_comment3?, item_comment4?, item_send_time?, item_original_version?,
order_sub_line_item+)>
<!ATTLIST order_line_item_type CDATA #FIXED "text/plain">
<!ELEMENT order_lineitem (buyer_line_no)>
<!ATTLIST order_lineitem_type CDATA #FIXED "text/plain">

```

```

<!ELEMENT order_quantity (#PCDATA)>
<!ATTLIST order_quantity_type CDATA #FIXED "text/plain">
<!ELEMENT order_sub_line_item (sub_buyer_line_no?, sub_seller_line_no?, sub_request_date?,
sub_order_quantity?, sub_action_code?, sub_shipped_date*, sub_shipped_quantity*, sub_price_unit?,
sub_unit?, sub_net_order_price?, sub_item_mode_flag?, sub_item_comment1?, sub_item_comment2?,
sub_item_comment3?, sub_item_comment4?, sub_item_send_time?, sub_item_original_version?)>
<!ATTLIST order_sub_line_item_type CDATA #FIXED "text/plain">
<!ELEMENT orno (#PCDATA)>
<!ATTLIST orno_type CDATA #FIXED "text/plain">
<!ELEMENT packing_desc (#PCDATA)>
<!ELEMENT part_no (#PCDATA)>
<!ELEMENT part_no_desc (#PCDATA)>
<!ELEMENT part_no_desc1 (#PCDATA)>
<!ELEMENT part_no_desc2 (#PCDATA)>
<!ELEMENT payment_currency (#PCDATA)>
<!ELEMENT payment_terms_code (#PCDATA)>
<!ELEMENT payment_terms_desc (#PCDATA)>
<!ELEMENT plant (#PCDATA)>
<!ELEMENT price_unit (#PCDATA)>
<!ELEMENT request_date (#PCDATA)>
<!ATTLIST request_date_type CDATA #FIXED "text/plain">
<!ELEMENT sales_code (#PCDATA)>
<!ELEMENT sales_email (#PCDATA)>
<!ELEMENT sales_fax (#PCDATA)>
<!ELEMENT sales_name (#PCDATA)>
<!ELEMENT sales_tel (#PCDATA)>
<!ELEMENT seller_line_no (#PCDATA)>
<!ELEMENT ship_from_address (#PCDATA)>
<!ELEMENT ship_from_code (#PCDATA)>
<!ELEMENT ship_terms_code (#PCDATA)>
<!ELEMENT ship_terms_desc (#PCDATA)>
<!ELEMENT ship_to_address1 (#PCDATA)>
<!ELEMENT ship_to_address2 (#PCDATA)>
<!ELEMENT ship_to_address3 (#PCDATA)>
<!ELEMENT ship_to_address4 (#PCDATA)>
<!ELEMENT ship_to_code (#PCDATA)>
<!ELEMENT shipped_date (#PCDATA)>
<!ELEMENT shipped_quantity (#PCDATA)>
<!ELEMENT soor_no (#PCDATA)>
<!ELEMENT storage_location (#PCDATA)>
<!ELEMENT sub_action_code (#PCDATA)>
<!ELEMENT sub_buyer_line_no (#PCDATA)>
<!ATTLIST sub_buyer_line_no_type CDATA #FIXED "text/plain">
<!ELEMENT sub_item_comment1 (#PCDATA)>
<!ELEMENT sub_item_comment2 (#PCDATA)>
<!ATTLIST sub_item_comment2_type CDATA #FIXED "text/plain">
<!ELEMENT sub_item_comment3 (#PCDATA)>
<!ELEMENT sub_item_comment4 (#PCDATA)>
<!ELEMENT sub_item_mode_flag (#PCDATA)>
<!ELEMENT sub_item_original_version (#PCDATA)>
<!ELEMENT sub_item_send_time (#PCDATA)>
<!ELEMENT sub_net_order_price (#PCDATA)>
<!ELEMENT sub_order_quantity (#PCDATA)>
<!ELEMENT sub_price_unit (#PCDATA)>
<!ELEMENT sub_request_date (#PCDATA)>
<!ATTLIST sub_request_date_type CDATA #FIXED "text/plain">
<!ELEMENT sub_seller_line_no (#PCDATA)>
<!ATTLIST sub_seller_line_no_type CDATA #FIXED "text/plain">
<!ELEMENT sub_shipped_date (#PCDATA)>
<!ELEMENT sub_shipped_quantity (#PCDATA)>
<!ELEMENT sub_unit (#PCDATA)>
<!ELEMENT tax_code (#PCDATA)>
<!ELEMENT tax_desc (#PCDATA)>
<!ELEMENT to_duns_no (#PCDATA)>
<!ELEMENT unit (#PCDATA)>
<!ATTLIST unit_type CDATA #FIXED "text/plain">
<!ELEMENT valid_from (#PCDATA)>
<!ELEMENT valid_to (#PCDATA)>
<!ELEMENT vendor_no (#PCDATA)>

```

2. Sample XML file of Current Customer Order Acknowledgement

```

<?xml version="1.0" encoding="UTF-8"?>
<!ELEMENT ack_line_no (#PCDATA)>
<!ELEMENT billto_address (#PCDATA)>
<!ELEMENT billto_code (#PCDATA)>
<!ELEMENT billto_name (#PCDATA)>
<!ELEMENT buyer_code (#PCDATA)>
<!ELEMENT buyer_email (#PCDATA)>
<!ELEMENT buyer_fax (#PCDATA)>
<!ELEMENT buyer_line_no (#PCDATA)>
<!ATTLIST buyer_line_no_type CDATA #FIXED "text/plain">
<!ELEMENT buyer_name (#PCDATA)>
<!ELEMENT buyer_plant (#PCDATA)>
<!ELEMENT buyer_tel (#PCDATA)>
<!ELEMENT corp (#PCDATA)>
<!ELEMENT customer_order_ack (orno?, from_duns_no?, to_duns_no?, vendor_no?, corp?, soor_no?,
order_date?, document_type?, valid_from?, valid_to?, tax_code?, tax_desc?, payment_terms_code?,
payment_terms_desc?, payment_currency?, order_currency?, exchange_rate_code?,
exchange_rate_desc?, ship_terms_code?, ship_terms_desc?, packing_desc?, buyer_code?,
buyer_name?, buyer_tel?, buyer_fax?, buyer_email?, buyer_plant?, sales_code?, sales_name?,
sales_tel?, sales_fax?, sales_email?, ship_to_code?, ship_to_address1?, ship_to_address2?,
ship_to_address3?, ship_to_address4?, ship_from_code?, ship_from_address?, header_comment1?,
header_comment2?, header_comment3?, header_comment4?, billto_code?, billto_name?,
billto_address?, header_send_time?, header_original_version?, header_ack_version?,
header_ack_status?, header_ack_reason?, order_ack_line_item+)>
<!ATTLIST customer_order_ack_type CDATA #FIXED "text/plain">
<!ELEMENT delivery_quantity (#PCDATA)>
<!ELEMENT document_type (#PCDATA)>
<!ELEMENT duns_no (#PCDATA)>
<!ELEMENT exchange_rate_code (#PCDATA)>
<!ELEMENT exchange_rate_desc (#PCDATA)>
<!ELEMENT from_duns_no (#PCDATA)>
<!ELEMENT header_ack_reason (#PCDATA)>
<!ELEMENT header_ack_status (#PCDATA)>
<!ELEMENT header_ack_version (#PCDATA)>
<!ELEMENT header_comment1 (#PCDATA)>
<!ELEMENT header_comment2 (#PCDATA)>
<!ELEMENT header_comment3 (#PCDATA)>
<!ELEMENT header_comment4 (#PCDATA)>
<!ELEMENT header_original_version (#PCDATA)>
<!ATTLIST header_original_version_type CDATA #FIXED "text/plain">
<!ELEMENT header_send_time (#PCDATA)>
<!ELEMENT item_ack_reason (#PCDATA)>
<!ELEMENT item_ack_status (#PCDATA)>
<!ELEMENT item_ack_version (#PCDATA)>
<!ELEMENT item_comment1 (#PCDATA)>
<!ELEMENT item_comment2 (#PCDATA)>
<!ELEMENT item_comment3 (#PCDATA)>
<!ELEMENT item_comment4 (#PCDATA)>
<!ELEMENT item_mode_flag (#PCDATA)>
<!ELEMENT item_original_version (#PCDATA)>
<!ELEMENT item_send_time (#PCDATA)>
<!ELEMENT net_order_price (#PCDATA)>
<!ELEMENT order_ack_line_item (buyer_line_no?, seller_line_no?, part_no?, part_no_desc?,
part_no_desc1?, part_no_desc2?, request_date?, order_quantity?, shipping_date?, shipping_quantity?,
shipped_date?, shipped_quantity*, price_unit?, net_order_price?, unit?, ship_to_code?,
ship_to_address1?, ship_to_address2?, ship_to_address3?, ship_to_address4?, item_comment1?,
item_comment2?, item_comment3?, item_comment4?, item_send_time?, item_original_version?,
item_ack_version?, item_ack_status?, item_ack_reason?, order_ack_sub_line_item+)>
<!ATTLIST order_ack_line_item_type CDATA #FIXED "text/plain">
<!ELEMENT order_ack_sub_line_item (suback_buyer_line_no?, suback_seller_line_no?,
suback_request_date?, suback_order_quantity?, suback_shipping_date?, suback_shipping_quantity?,
suback_shipped_date*, suback_shipped_quantity*, suback_price_unit?, suback_unit?,
suback_net_order_price?, suback_item_comment1?, suback_item_comment2?,
suback_item_comment3?, suback_item_comment4?, suback_item_send_time?,

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suback_item_original_version?, suback_item_ack_version?, suback_item_ack_status?,
suback_item_ack_reason?)>

```
<!ATTLIST order_ack_sub_line_item_type CDATA #FIXED "text/plain">
<!ELEMENT order_currency (#PCDATA)>
<!ELEMENT order_date (#PCDATA)>
<!ELEMENT order_quantity (#PCDATA)>
<!ELEMENT orno (#PCDATA)>
<!ELEMENT packing_desc (#PCDATA)>
<!ELEMENT part_no (#PCDATA)>
<!ELEMENT part_no_desc (#PCDATA)>
<!ELEMENT part_no_desc1 (#PCDATA)>
<!ELEMENT part_no_desc2 (#PCDATA)>
<!ELEMENT payment_currency (#PCDATA)>
<!ELEMENT payment_terms_code (#PCDATA)>
<!ELEMENT payment_terms_desc (#PCDATA)>
<!ELEMENT plant (#PCDATA)>
<!ELEMENT price_unit (#PCDATA)>
<!ELEMENT received_quantity (#PCDATA)>
<!ELEMENT request_date (#PCDATA)>
<!ATTLIST request_date_type CDATA #FIXED "text/plain">
<!ELEMENT sales_code (#PCDATA)>
<!ELEMENT sales_email (#PCDATA)>
<!ELEMENT sales_fax (#PCDATA)>
<!ELEMENT sales_name (#PCDATA)>
<!ELEMENT sales_tel (#PCDATA)>
<!ELEMENT seller_line_no (#PCDATA)>
<!ELEMENT ship_from_address (#PCDATA)>
<!ELEMENT ship_from_code (#PCDATA)>
<!ELEMENT ship_terms_code (#PCDATA)>
<!ELEMENT ship_terms_desc (#PCDATA)>
<!ELEMENT ship_to_address1 (#PCDATA)>
<!ELEMENT ship_to_address2 (#PCDATA)>
<!ELEMENT ship_to_address3 (#PCDATA)>
<!ELEMENT ship_to_address4 (#PCDATA)>
<!ELEMENT ship_to_code (#PCDATA)>
<!ELEMENT shipped_date (#PCDATA)>
<!ELEMENT shipped_quantity (#PCDATA)>
<!ELEMENT shipping_date (#PCDATA)>
<!ELEMENT shipping_quantity (#PCDATA)>
<!ELEMENT soor_no (#PCDATA)>
<!ELEMENT storage_location (#PCDATA)>
<!ELEMENT suback_buyer_line_no (#PCDATA)>
<!ATTLIST suback_buyer_line_no_type CDATA #FIXED "text/plain">
<!ELEMENT suback_item_ack_reason (#PCDATA)>
<!ELEMENT suback_item_ack_status (#PCDATA)>
<!ELEMENT suback_item_ack_version (#PCDATA)>
<!ATTLIST suback_item_ack_version_type CDATA #FIXED "text/plain">
<!ELEMENT suback_item_comment1 (#PCDATA)>
<!ELEMENT suback_item_comment2 (#PCDATA)>
<!ELEMENT suback_item_comment3 (#PCDATA)>
<!ELEMENT suback_item_comment4 (#PCDATA)>
<!ELEMENT suback_item_mode_flag (#PCDATA)>
<!ATTLIST suback_item_mode_flag_type CDATA #FIXED "text/plain">
<!ELEMENT suback_item_original_version (#PCDATA)>
<!ELEMENT suback_item_send_time (#PCDATA)>
<!ATTLIST suback_item_send_time_type CDATA #FIXED "text/plain">
<!ELEMENT suback_net_order_price (#PCDATA)>
<!ELEMENT suback_order_quantity (#PCDATA)>
<!ATTLIST suback_order_quantity_type CDATA #FIXED "text/plain">
<!ELEMENT suback_price_unit (#PCDATA)>
<!ELEMENT suback_request_date (#PCDATA)>
<!ATTLIST suback_request_date_type CDATA #FIXED "text/plain">
<!ELEMENT suback_seller_line_no (#PCDATA)>
<!ATTLIST suback_seller_line_no_type CDATA #FIXED "text/plain">
<!ELEMENT suback_shipped_date (#PCDATA)>
<!ELEMENT suback_shipped_quantity (#PCDATA)>
<!ELEMENT suback_shipping_date (#PCDATA)>
<!ATTLIST suback_shipping_date_type CDATA #FIXED "text/plain">
<!ELEMENT suback_shipping_quantity (#PCDATA)>
```

```
<!ATTLIST suback_shipping_quantity_type CDATA #FIXED "text/plain">
<!ELEMENT suback_unit (#PCDATA)>
<!ELEMENT tax_code (#PCDATA)>
<!ELEMENT tax_desc (#PCDATA)>
<!ELEMENT to_duns_no (#PCDATA)>
<!ELEMENT unit (#PCDATA)>
<!ELEMENT valid_from (#PCDATA)>
<!ELEMENT valid_to (#PCDATA)>
<!ELEMENT vendor_no (#PCDATA)>
```

Appendix B: Business Process Specification Schema Example

1. The BPSS example of purchase order

```
<?xml version="1.0" encoding="UTF-8" ?>
<ProcessSpecification
  xmlns="http://www.ebxml.org/BusinessProcess"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.ebxml.org/BusinessProcess
  ebBPSS1.04.xsd" name="PIP3A4RequestPurchaseOrder"
  uuid="urn:icann:rosettanet.org:bpid:3A4$2.0" version="R02.00">
  <Documentation>This PIP enables a buyer to issue a purchase
  order and obtain a quick response from the provider that
  acknowledges which of the purchase order product line items
  are accepted, rejected, or pending.</Documentation>
  <!-- Purchase order Request Document -->
  <BusinessDocument name="Puchase Order Request"
  nameID="Pip3A4PurchaseOrderRequest"
  specificationLocation="PurchaseOrderRequest.dtd">
    <Documentation>The document is a DTD file that specifies
    the rules for creating the XML document for the business
    action of requesting a purchase order.</Documentation>
  </BusinessDocument>
  <BusinessDocument name="Puchase Order Confirmation"
  nameID="Pip3A4PurchaseOrderConfirmation"
  specificationLocation="PurchaseOrderConfirmation.dtd">
    <Documentation>The document is a DTD file that specifies
    the rules for creating the XML document for the business
    action of making a purchase order
    confirmation.</Documentation>
  </BusinessDocument>
  <BusinessTransaction name="Request Purchase Order"
  nameID="RequestPurchaseOrder_BT">
    <RequestingBusinessActivity name="Purchase Order Request
    Action" nameID="PurchaseOrderRequestAction"
    isAuthorizationRequired="true"
    isIntelligibleCheckRequired="true"
    isNonRepudiationReceiptRequired="true"
    isNonRepudiationRequired="true"
    timeToAcknowledgeReceipt="POYOMODT2HOMOS">
      <DocumentEnvelope businessDocument="Puchase Order
      Request"
      businessDocumentIDRef="Pip3A4PurchaseOrderRequ
      est" isAuthenticated="persistent"
      isConfidential="transient" isTamperProof="persistent"
      />
    </RequestingBusinessActivity>
    <RespondingBusinessActivity name="Purchase Order
    Confirmation Action"
    nameID="PurchaseOrderConfirmationAction"
    isAuthorizationRequired="true"
    isIntelligibleCheckRequired="true"
    isNonRepudiationRequired="true"
    timeToAcknowledgeReceipt="POYOMODT2HOMOS">
      <DocumentEnvelope businessDocument="Purchase Order
      Confirmation"
      businessDocumentIDRef="Pip3A4PurchaseOrderConfir
      mation" isAuthenticated="persistent"
      isConfidential="transient" isPositiveResponse="true"
      isTamperProof="persistent" />
    </RespondingBusinessActivity>
  </BusinessTransaction>
```

```

<BinaryCollaboration name="Request Purchase Order"
  nameID="RequestPurchaseOrder_BC"
  initiatingRole="BuyerId">
  <Role name="Buyer" nameID="BuyerId" />
  <Role name="Seller" nameID="SellerId" />
  <Start toBusinessState="Request Purchase Order" />
  <BusinessTransactionActivity name="Request Purchase
    Order" nameID="RequestPurchaseOrder_BTA"
    businessTransaction="Request Purchase Order"
    businessTransactionIDRef="RequestPurchaseOrder_BT"
    fromRole="Buyer" fromRoleIDRef="BuyerId"
    toRole="Seller" toRoleIDRef="SellerId"
    isLegallyBinding="true"
    timeToPerform="POYOMODT24HOMOS"
    isConcurrent="false" />
  <Success fromBusinessState="Request Purchase Order"
    conditionGuard="Success" />
  <Failure fromBusinessState="Request Purchase Order"
    conditionGuard="BusinessFailure" />
  <Transition fromBusinessState="Request Purchase Order"
    toBusinessState="Request Purchase Order" />
</BinaryCollaboration>
</ProcessSpecification>

```

Appendix C: Process Ontology Template

1. The OWL file of process ontology template

```

<?xml version="1.0" ?>
  <rdf:RDF
    xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
    xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
    xmlns:owl="http://www.w3.org/2002/07/owl#"
    xmlns="http://www.owl-ontologies.com/unnamed.owl#"
    xml:base="http://www.owl-ontologies.com/unnamed.owl">
    <owl:Ontology rdf:about="" />
    <owl:Class rdf:ID="B2B_ComposedDataEntity">
      <rdfs:subClassOf>
        <owl:Class rdf:ID="B2B_Entity" />
      </rdfs:subClassOf>
    </owl:Class>
    <owl:Class rdf:ID="B2B_ActionControl" />
    <owl:Class rdf:ID="B2B_BasicDataEntity">
      <rdfs:subClassOf rdf:resource="#B2B_Entity" />
    </owl:Class>
    <owl:Class rdf:ID="B2B_Partner" />
    <owl:Class rdf:ID="B2B_Process" />
    <owl:Class rdf:ID="B2B_MessageDocument" />
    <owl:Class rdf:ID="B2B_Activity" />
    <owl:ObjectProperty rdf:ID="hasActivity">
      <rdfs:domain rdf:resource="#B2B_Process" />
    </owl:ObjectProperty>
    <owl:ObjectProperty rdf:ID="involvePartner">
      <rdfs:domain rdf:resource="#B2B_Activity" />
    </owl:ObjectProperty>
    <owl:ObjectProperty rdf:ID="hasDocument">
      <rdfs:domain rdf:resource="#B2B_Process" />
    </owl:ObjectProperty>
    <owl:ObjectProperty rdf:ID="partnerRole">
      <rdfs:domain rdf:resource="#B2B_Partner" />
    </owl:ObjectProperty>
    <owl:ObjectProperty rdf:ID="hasPartnerRole">
      <rdfs:domain rdf:resource="#B2B_Process" />
    </owl:ObjectProperty>
    <owl:ObjectProperty rdf:ID="hasActionControl">
      <rdfs:domain rdf:resource="#B2B_Process" />
    </owl:ObjectProperty>
    <owl:DatatypeProperty rdf:ID="isAuthorizationRequired">
      <rdfs:range
        rdf:resource="http://www.w3.org/2001/XMLSchema#boolean" />
      <rdfs:domain rdf:resource="#B2B_ActionControl" />
    </owl:DatatypeProperty>
    <owl:DatatypeProperty rdf:ID="byProtocol">
      <rdfs:domain rdf:resource="#B2B_ActionControl" />
      <rdfs:range
        rdf:resource="http://www.w3.org/2001/XMLSchema#string" />
    </owl:DatatypeProperty>
    <owl:DatatypeProperty rdf:ID="activityName">
      <rdfs:domain rdf:resource="#B2B_Activity" />
      <rdfs:range
        rdf:resource="http://www.w3.org/2001/XMLSchema#string" />
    </owl:DatatypeProperty>
    <owl:DatatypeProperty rdf:ID="processStartState">
      <rdfs:range
        rdf:resource="http://www.w3.org/2001/XMLSchema#s

```



```

tring" />
  <rdfs:domain rdf:resource="#B2B_Process" />
</owl:DatatypeProperty>
<owl:DatatypeProperty rdf:ID="hasProcessName">
  <rdfs:range
    rdf:resource="http://www.w3.org/2001/XMLSchema#s
tring" />
  <rdfs:domain rdf:resource="#B2B_Process" />
</owl:DatatypeProperty>
<owl:DatatypeProperty rdf:ID="actionRetryCounts">
  <rdfs:domain rdf:resource="#B2B_ActionControl" />
  <rdfs:range
    rdf:resource="http://www.w3.org/2001/XMLSchema#i
nt" />
</owl:DatatypeProperty>
<owl:DatatypeProperty rdf:ID="processEndState">
  <rdfs:domain rdf:resource="#B2B_Process" />
  <rdfs:range
    rdf:resource="http://www.w3.org/2001/XMLSchema#s
tring" />
</owl:DatatypeProperty>
<owl:DatatypeProperty rdf:ID="isSSLRequired">
  <rdfs:domain rdf:resource="#B2B_ActionControl" />
  <rdfs:range
    rdf:resource="http://www.w3.org/2001/XMLSchema#b
oolean" />
</owl:DatatypeProperty>
<owl:DatatypeProperty rdf:ID="documentName">
  <rdfs:range
    rdf:resource="http://www.w3.org/2001/XMLSchema#s
tring" />
  <rdfs:domain rdf:resource="#B2B_MessageDocument" />
</owl:DatatypeProperty>
<owl:DatatypeProperty rdf:ID="actionTimeToPerform">
  <rdfs:domain rdf:resource="#B2B_ActionControl" />
  <rdfs:range
    rdf:resource="http://www.w3.org/2001/XMLSchema#s
tring" />
</owl:DatatypeProperty>
<owl:DatatypeProperty rdf:ID="documentDescription">
  <rdfs:range
    rdf:resource="http://www.w3.org/2001/XMLSchema#s
tring" />
  <rdfs:domain rdf:resource="#B2B_MessageDocument" />
</owl:DatatypeProperty>
<owl:DatatypeProperty rdf:ID="actionDescription">
  <rdfs:domain rdf:resource="#B2B_ActionControl" />
  <rdfs:range
    rdf:resource="http://www.w3.org/2001/XMLSchema#s
tring" />
</owl:DatatypeProperty>
<owl:DatatypeProperty rdf:ID="actionName">
  <rdfs:domain rdf:resource="#B2B_ActionControl" />
  <rdfs:range
    rdf:resource="http://www.w3.org/2001/XMLSchema#s
tring" />
</owl:DatatypeProperty>
<owl:DatatypeProperty rdf:ID="isNonRepudiationRequired">
  <rdfs:range
    rdf:resource="http://www.w3.org/2001/XMLSchema#b
oolean" />
  <rdfs:domain rdf:resource="#B2B_ActionControl" />
</owl:DatatypeProperty>
<owl:DatatypeProperty rdf:ID="activityDescription">
  <rdfs:range
    rdf:resource="http://www.w3.org/2001/XMLSchema#s
tring" />
  <rdfs:domain rdf:resource="#B2B_Activity" />
</owl:DatatypeProperty>

```

```
<owl:DatatypeProperty rdf:ID="partnerName">  
  <rdfs:range  
    rdf:resource="http://www.w3.org/2001/XMLSchema#string" />  
  <rdfs:domain rdf:resource="#B2B_Partner" />  
</owl:DatatypeProperty>  
</rdf:RDF>
```