

# PROMOTIONAL PRODUCTS DATA INTERFACE SPECIFICATION FOR WEB SERVICES



## Order Shipment Notification 2.0.0

## Document Change Log

Version	Date	Reason for Change	Authors
2.0.0	2022-12-23	Version 2.0.0 Final	Stephen Luisser - Essent Corporation

## Contributors

The following have contributed to the creation of this specification:

Authors:

- Stephen Luisser, Vice President, Essent Corporation

Contributors: The PromoStandards Standards Committee

## Abstract and Recommended Audience

This document describes the technologies for integration of suppliers and distributors in the Promotional Products Industry. This document will discuss in detail the technology required in order to build the interface. Additionally, this document will provide sample code in order to use the interface.

This document will assume that the reader is fluent in web based technologies, and has knowledge of the language they plan to consume the web service in.

## Background Information

All specifications will be built using the Simple Object Access Protocol (SOAP) over HTTPS as the foundation for the web services protocol stack in order to provide a standards based secure form of communication.

More information on SOAP can be found at <http://www.w3.org/TR/soap12-part1/>.

# Service Details

## Function: getOrderShipmentNotification()

This function provides a mechanism to get shipment details by specific parameters like (purchase order number, sales order number, or shipment date). This allows the consumer of the service to obtain shipment information grouped by purchase order number and sales order number for their needs.

### Request: GetOrderShipmentNotificationRequest

Field	Description	Data Type	Required
wsVersion	The Standard Version of the Web Service being referenced	64 STRING	TRUE
id	The customerId or any other agreed upon Id	64 STRING	TRUE
password	The password associated with the customerId	64 STRING	FALSE
queryType	The type of query you wish to perform	FACET INTEGER	TRUE
referenceNumber	The purchase order number for queryType =1 or the sales order number for queryType = 2	64 STRING	FALSE
shipmentDateTimestamp	The date for of shipments to return in UTC. Required when the queryType is 3. ISO 8601	DATE	FALSE

### GetOrderShipmentNotificationRequest queryType

queryType	Short Name	Description
1	PO Number Search	Returns all shipments for the Purchase Order
2	SO Number Search	Returns all shipments for the Sales Order
3	Shipment Date Search	Returns all shipments with a shipment date specified by the shipmentDateTimeStamp

### Reply: GetOrderShipmentNotificationResponse

Field	Description	Data Type	Required
OrderShipmentNotificationArray	An array of Order Shipment Notification objects	ARRAY	FALSE
ServiceMessageArray	An array of ServiceMessage objects	OBJECT	FALSE

### OrderShipmentNotification Object

Field	Description	Data Type	Required
purchaseOrderNumber	The associated purchase order	64 STRING	TRUE
purchaseOrderShippedInFull	All shipments for this purchase order are complete	BOOLEAN	TRUE
SalesOrderArray	An array of Sales Order objects associated with the purchase order	ARRAY	TRUE

### SalesOrder Object

Field	Description	Data Type	Required
salesOrderNumber	The associated sales order	64 STRING	TRUE

<code>salesOrderShippedInFull</code>	All shipments for this sales order are complete	BOOLEAN	TRUE
<code>ShipmentArray</code>	An array of Shipment objects	ARRAY	TRUE

### Shipment Object

Field	Description	Data Type	Required
<code>destinationShippedInFull</code>	All shipments for this shipping destination location are complete	BOOLEAN	TRUE
<code>customerPickup</code>	The shipment will be a pickup and will not be shipped. Default to false if pickup cannot be determined	BOOLEAN	TRUE
<code>shipFromAddress</code>	ShippingContactDetails Object for the Ship-From address	OBJECT	TRUE
<code>shipToAddress</code>	ShippingContactDetails Object for the Ship-To address	OBJECT	TRUE
<code>shipmentDestinationType</code>	Used to identify the type of destination for the Ship-To address	Facet 64 STRING	FALSE
<code>PackageArray</code>	An array of Package objects	ARRAY	TRUE

### ShippingContactDetails Object

Field	Description	Data Type	Required
<code>attentionTo</code>	Attention To (first and last name of contact)	35 STRING	FALSE
<code>companyName</code>	Company Name	35 STRING	FALSE
<code>address1</code>	Address line 1	35 STRING	TRUE
<code>address2</code>	Address line 2	35 STRING	FALSE
<code>address3</code>	Address line 3	35 STRING	FALSE
<code>city</code>	The city	30 STRING	TRUE
<code>region</code>	The 2 character US state abbreviation or 2-3 character non-US region	3 STRING	TRUE
<code>postalCode</code>	The postal code	10 STRING	TRUE
<code>country</code>	The country in ISO 3166-2 format	2 STRING	FALSE
<code>email</code>	Email address associated with the contact	128 STRING	FALSE
<code>phone</code>	The phone number associated with the contact	32 STRING	FALSE

### Package Object

Field	Description	Data Type	Required
<code>id</code>	The id of the package	NUMBER	FALSE
<code>trackingNumber</code>	The tracking number for the package. Guidance is to always provide a tracking number if available	128 STRING	FALSE
<code>shipmentDate</code>	The date for the shipment in UTC. ISO 8601	ISO 8601	TRUE
<code>Dimension</code>	Physical dimensions and weight. Include this object if you have either a size or weight dimension	OBJECT	FALSE
<code>FreightDetails</code>	The details on the freight: carrier and service	OBJECT	FALSE
<code>shippingAccount</code>	The shipping account used for this shipment	128 STRING	FALSE
<code>shipmentTerms</code>	The terms of the shipment (i.e. Prepaid, Collect, Third Party, PPD., etc.)	128 STRING	FALSE
<code>ItemArray</code>	A list of items and quantities contained in the package	ARRAY	FALSE

preProductionProof	Signifies if the order is a pre-production proof. Valid options: "Yes", "No", "Unknown"	FACET 64 STRING	TRUE
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#### Dimension Object

Field	Description	Data Type	Required
DimensionSize	Physical dimensions. Include only if you have at least one physical dimension	OBJECT	FALSE
DimensionWeight	Weight	OBJECT	FALSE

#### DimensionSize Object

Field	Description	Data Type	Required
dimensionUom	The dimensional unit of measure	FACET 2 STRING	TRUE
length	The length of the part using the unit of measure specified in dimensionUom	DECIMAL	FALSE
width	The width of the part using the unit of measure specified in dimensionUom	DECIMAL	FALSE
height	The height of the part using the unit of measure specified in dimensionUom	DECIMAL	FALSE

#### DimensionWeight Object

Field	Description	Data Type	Required
weightUom	The weight unit of measure for the part	FACET 2 STRING	TRUE
weight	The weight of the part using the unit of measure specified in dimensionUom	DECIMAL	TRUE

#### FreightDetails Object

Field	Description	Data Type	Required
carrier	The carrier name of the shipping vendor being requested. (i.e. "UPS", "FEDEX", etc.)	64 STRING	TRUE
service	The service code of the shipping vendor for the service being requested. (i.e. GROUND, 2DAY, NEXTDAY, etc.)	64 STRING	TRUE

#### Item Object

Field	Description	Data Type	Required
supplierProductId	The supplier product Id	64 STRING	TRUE
supplierPartId	The supplier part Id associated to the supplier product Id	64 STRING	FALSE
distributorProductId	The distributor product Id	64 STRING	FALSE
distributorPartId	The distributor part Id associated to the supplier product Id	64 STRING	FALSE
purchaseOrderLineNumber	The line number of the item on the purchase order	INTEGER	FALSE
quantity	The quantity of the item shipped	OBJECT	TRUE

## Quantity Object

Field	Description	Data Type	Required
value	The quantity value	DECIMAL	TRUE
uom	The unit of measure for the value	FACET 2 STRING	TRUE

## Guidance

If you are unable to determine the quantity of items shipped by tracking number for a shipment due to process or system limitations, PromoStandards guidance is to attach all products and quantities to a single tracking number and leave the other tracking numbers without products or quantities.

## Enumerated Type Restrictions (FACET)

Field	Description	Data Type	Enumeration Values
dimUOM	The dimensional unit of measure	FACET 64 STRING	Inches Feet mm cm Meters
preProductionProofType	Identifies if the item is a pre-production proof	FACET 64 STRING	Yes No Unknown
quantityUOM	The unit of measure for quantity based field	FACET 2 STRING	BX (Box) CA (Case) DZ (Dozen) EA (Each) KT (Kit) PK (Package) PR (Pair) RL (Roll) ST (Set) SL (Sleeve) TH (Thousand)
serviceMessageSeverity	The severity of the message.	FACET 64 STRING	Error Information Warning
shipmentDestinationType	The type of shipment destination	FACET 64 STRING	Commercial Residential Other
weightUOM	The weight unit of measure	FACET 64 STRING	Ounces Pounds Grams KG

## Appendix A: Service Messages

### ServiceMessage Object

Field	Description	Data Type	Required
code	The numerical value of the code	INTEGER	TRUE
description	Response for any message requiring notification to requestor	256 STRING	TRUE
severity	The severity of the message. Values are enumerated: {Error, Information, Warning}	FACET 64 STRING	TRUE

### Standardized Codes

The range of 100-199 has been reserved for standardized error codes. The number 999 has been reserved for an error codes that is a “General Error - Contact System Service Provider”

Code	Description
100	ID (customerID) not found
104	This account is unauthorized to use this service. Please contact the service provider
105	Authentication Credentials failed
110	Authentication Credentials required
115	wsVersion not found
120	The following field(s) are required [Comma Delimited field names]
125	Not Supported: [details]
999	General Error – Contact the System Service Provider

### Service Specific Codes

These error codes are only for this service.

Code	Description
300	queryType not found
301	referenceNumber not found
302	shipmentDateTimeStamp is incorrect or is an invalid date range

## DATA MINING / ABUSE GUIDELINE

The use of services detailed within this specification are to be conducted within the current guidelines of the “Interface Data Use Guidelines Standards”.

## VALIDATION OF SERVICES

Before you publish your endpoint, please ensure that it adheres to the promostandards.org spec by using the web service validation tool located at: <https://services.promostandards.org/webserviceValidator/home>.

Select the service, version, method and input your endpoint. If the endpoint is correct, you should receive a message of: "The XML response is valid."