

## ORNL Marketplace OCI Integration Fact Sheet

**Purpose: Define the formats expected to interface with the Oak Ridge National Laboratory (ORNL) Marketplace application. Two interface points exist – Search and Basket Creation.**

### I. Set Up:

- ORNL supports OCI versions 3.0 or 4.0. The default used by ORNL is OCI 4.0. The HTML (and not XML) Form variables method is utilized.
- Connectivity: If Roundtrip is chosen with the supplier, a logon and password must be supplied to the buyer (i.e. ORNL) from the supplier, along with a URL to access the OCI entry point.

### II. Requisitioning:

- ORNL supports the OCI Roundtrip, based upon version 3.0 or 4.0.
- ORNL will authenticate based on the following fields: Username and Password.
- The Shopping Cart is an HTML format.
- The Shopping Cart is not reiterative, meaning that the buyer will not be able to access the cart at the supplier's web site for a second shopping experience.
- ORNL may receive additional fields from the shopping cart that are not needed. Those fields may be ignored depending on ORNL's business rules.
- ORNL accepts product types that are defined by ORNL or are UNSPSC compliant codes.
- Unit of Measure Standard(s): OCI dictates that ISO codes are used.

### III. ORNL Marketplace Technical Facts

1. Each catalog is identified as being static or Roundtrip.
2. ORNL supports Roundtrip Punchout following the OCI protocol versions 3.0 and 4.0
3. The Shopping Cart is an HTML format.
4. The shopping cart is not reiterative, meaning that the buyer will not be able to access the cart at the supplier website for a second shopping experience.
5. ORNL has the ability to ignore unwanted data elements returned from the Supplier via the built-in Marketplace business rules.
6. For security, the use of HTTPS (via an SSL certificate) is supported and preferred.
7. ISO unit of measure codes should be sent back in the return-shopping basket.
8. ORNL authenticates on username and password.
9. Upon 'Checkout', the UNSPSC code should be returned in the shopping basket. The material group cross-reference is used to relate this to the buyer's product type.
10. ORNL has a list of the UNSPSC codes, which can be provided to the Supplier. This information can be sent in the NEW\_ITEM\_MATGROUP field. It is understood that the assignment of UNSPSC is a dynamic process, particularly with regard to new products. Therefore, the supplier should pass a default value in the event that the actual UNSPSC code is not yet available.

**Upon ORNL Marketplace Search, the following values are sent to the Supplier in a RoundTrip via the HTML URL:**

Field Name	Description
USERNAME	LoginID for supplier site
PASSWORD	Password for supplier site
HOOK_URL	Return URL
FUNCTION	VALIDATE (SEARCHSTRING passed) OR DETAIL (PRODUCTID passed)
SEARCHSTRING	If search string entered in Marketplace, then it is passed here.
PRODUCTID	Part number entered in Marketplace search
VENDOR	Supplier ID
~OkCode	Set to 'ADDI'
~TARGET	Set to '_top'
~CALLER	Set to 'CTLG'
BUYER_MPID	Trading partner org ID of the buyer.
BUYER_ORGANIZATION	Current Buying Site Name
OCIVERSION	4.0
LANGUAGE	Normally 'USE'
SERVICE	User's email address
BUYER_USERNAME	User's email address

**Shopping Cart returned by the Supplier should match the following OCI 3.0 or OCI 4.0 standard for HTML form fields:**

HTML Form field	Used in Marketplace?	Required?	HTML Description
NEW_ITEM-DESCRIPTION[n]	Yes, combined with long description NEW_ITEM-LONGTEXT_n:132[]	Y	The description of the item being ordered. This is the short description long description if available
NEW_ITEM-MATGROUP[n]	Y	Y	Product Group. (UN/SPSC Code.)
NEW_ITEM-QUANTITY[n]	Y	Y	Quantity of Item to add to a Shopping Basket.
NEW_ITEM-UNIT[n]	Y	Y	Unit of Measure of the item. Must be the standard ISO code to be compliant with the OCI model.
NEW_ITEM-PRICE[n]	Y	N	Price of an item in the catalog = contract unit price.
NEW_ITEM-PRICEUNIT[n]	Y	N	Number of units that must be purchased at the given price. (1)
NEW_ITEM-CURRENCY[n]	Y	Y	Must be the ISO code for the Currency.
NEW_ITEM-LEADTIME[n]	Y	N	Number of days from today when product will be available. If value is not provided, ORNL will assign a default value.
NEW_ITEM-VENDOR[n]	Y	No – current supplier will be used if not provided	Business Partner No..
NEW_ITEM-VENDORMAT[n]	Y	Y	Catalog number of the product.
NEW_ITEM-MANUFACTMAT[n]	Y	N	Manufacturer's product part number
NEW_ITEM-SERVICE[n]	N	N	Product Type indicates if the line refers to a service or goods.