

FEDMALL 

[ v. 20.1.2 ]

December

2019

**Real-time NSN Price  
Refresh (via EBS)**

CRQ00000052049

User  
Guide &  
Training  
Manual

Prepared by



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**Instructional Key:**    **NAVIGATIONAL MENU/TABS**, *Screen/Page/Section Name*, **Field/Checkbox Name**,  
"Menu Selection", **BUTTON/RADIO BUTTON**, **HYPERLINK**

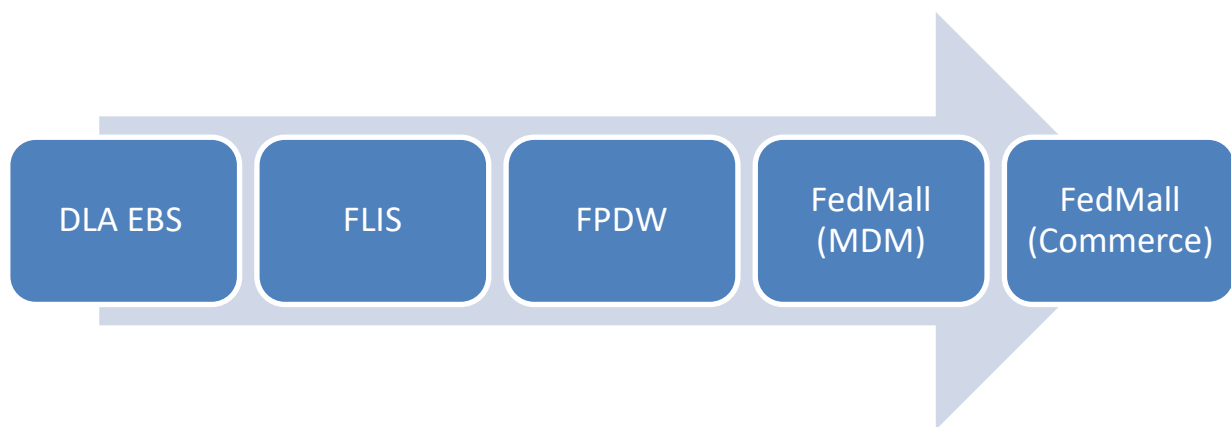
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## 1 Executive Summary

National Stock Number (NSN) product information in FedMall is traditionally provided via a daily web-service subscription with the FLIS (Federal Logistics Information System) Portfolio Data Warehouse (FPDW). Further upstream, the DLA Enterprise Business System (EBS) must first source FLIS, then FPDW, with its NSN product data before the NSN product data ultimately lands in FedMall.

This means that a single update to an DLA-managed NSN product—a new unit price, for instance—must traverse the following dataflow before that update is visible to FedMall shoppers:

1. NSN record updated in DLA EBS.
2. DLA EBS transmits the NSN update to FLIS.
3. FLIS incorporates the NSN update into FPDW.
4. FPDW transmits the update to FedMall via web service.
5. FedMall incorporates the update into its Master Data Management (MDM) application.
6. MDM supplies the NSN update via flat-file to FedMall Commerce.
7. FedMall Commerce incorporates the NSN update into its database and re-indexes its search catalog.
8. NSN update is visible to user in FedMall Commerce.



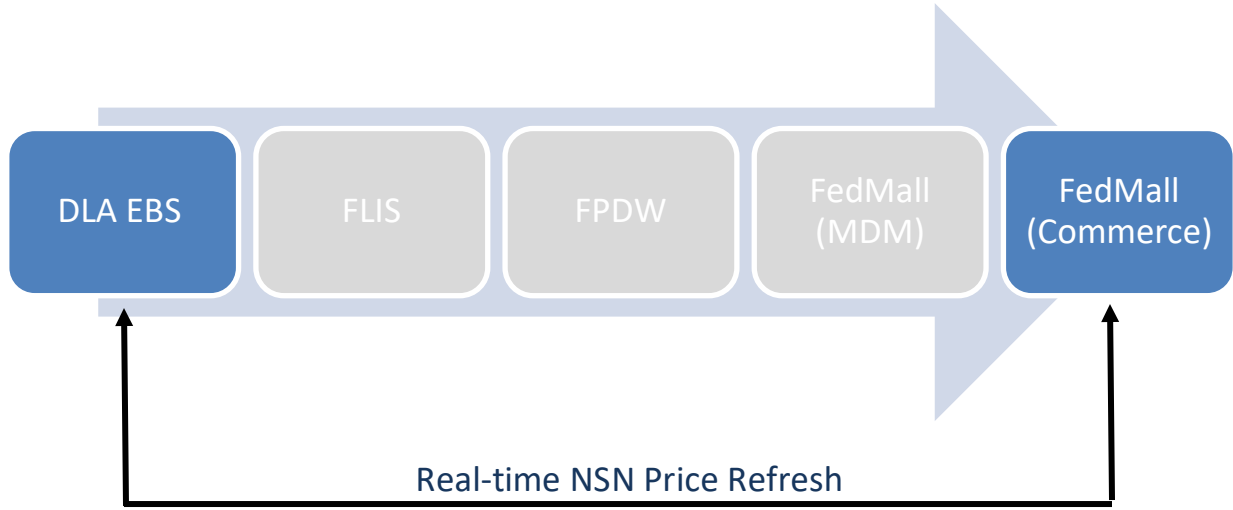
*Figure 1- Traditional NSN dataflow*

This dataflow often requires a week or more to fully execute. In extreme cases, 2-3 weeks may pass before an updated NSN unit price is fully incorporated into FedMall. Consequently, FedMall shoppers are never certain the price they see in FedMall is the same price they'll be charged when their orders are transmitted to DLA EBS for fulfillment.

FedMall v20.1.2 now offers shoppers a direct NSN price-lookup capability with DLA EBS when:

- Viewing the *Product Detail Page* for an NSN product during search
- Viewing the contents of their current Shopping Cart (immediately prior to Check Out)

Figure 2- New real-time NSN price refresh capability



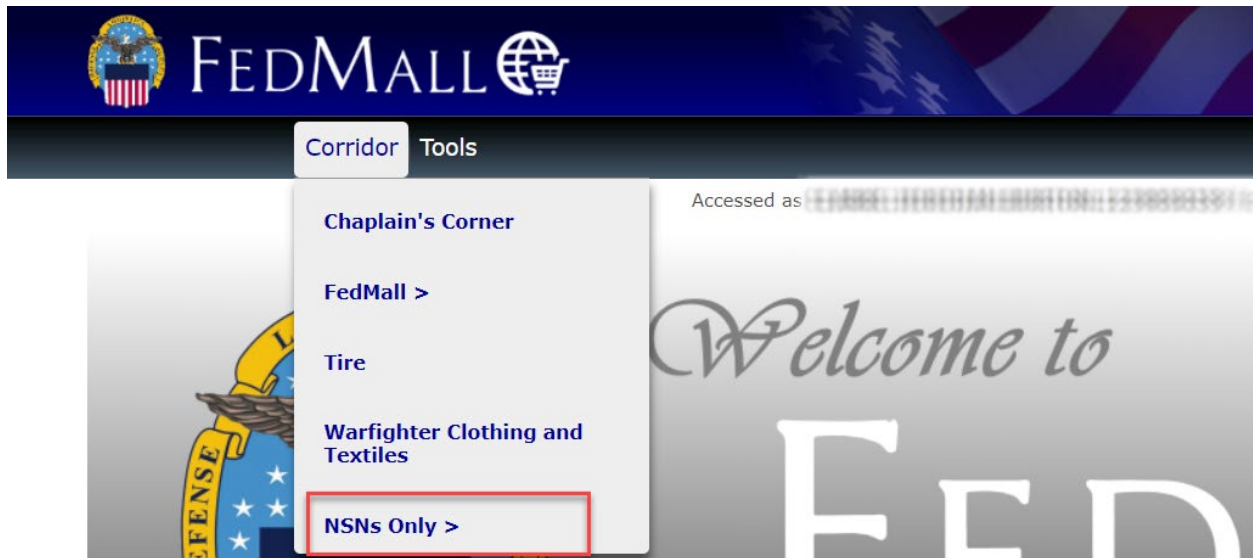
This new Real-time NSN Price Refresh capability will provide FedMall shoppers with confidence that “what you see is what you pay”.

## 2 Real-time Price Refresh (During Shopping)

The following instructions demonstrate the Real-time NSN Price Refresh capability when searching and shopping for National Stock Number (NSN) products in FedMall Commerce.

**User Role:** Shopper (all User Types)  
**Pre-Conditions:**  
- User has an active FedMall Commerce account

From the FedMall homepage (after logging in) ...








9. Select the “NSNs Only” search corridor from the **CORRIDOR** dropdown in the FedMall navigation bar.

Finding NSN products on FedMall does NOT require navigation to the NSNs Only corridor. NSNs may be found throughout the site via simple or advanced search, or within other search corridors. This document will illustrate examples from the NSNs Only search corridor for brevity.

10. Enter a product identifier or keyword(s) in the main search bar.


## NSNs Only

PRODUCTS: ( 1 - 12 of 64,158 ) SORT BY: FAR ITEMS PER PAGE: 1 2 ... 5347

 SOCKS PGC:02884 LmtDstCd:0 FSC:8440 DMIL:A Source of Supply : SMS	 GLOVES, FLYERS PGC:03569 LmtDstCd:0 FSC:8415 HMIC:P DMIL:A Source of Supply : SMS	 COAT, MATERNITY PGC:03252 LmtDstCd:0 FSC:8410 HMIC:P DMIL:E Source of Supply : SMS	 STREAMER, AWARD PGC:33344 LmtDstCd:0 FSC:8345 DMIL:A Source of Supply : SMS	 STREAMER, AWARD PGC:33343 LmtDstCd:0 FSC:8345 DMIL:A Source of Supply
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For best results, use one of the product identifiers listed below when searching within the NSNs Only corridor:


- Federal Supply Class code (FSC, or first 4-digits of the NSN)
- National Item Identification Number (NIIN, or last 9-digits of the NSN)
- NSN (full 13-digit identifier)
- Procurement Group Code (PGC, applies to DLA Clothing & Textile products only)

11. Click the search  icon.

### Search results for "2835013701762" (1 matches)

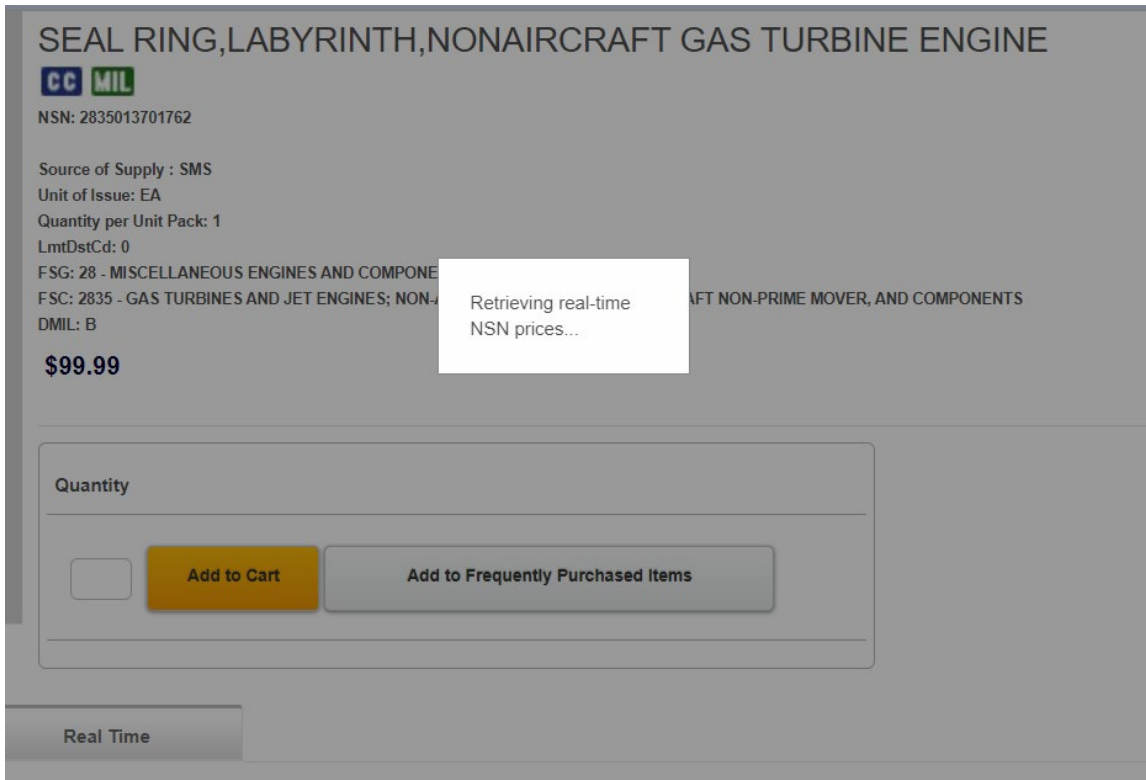
Products (1)

PRODUCTS: ( 1 - 1 of 1 ) SORT BY: FAR ITEMS PER PAGE: 1 2 ... 5347

 SEAL RING, LABYRINTH, NONAIRCRAFT GAS TURBINE ENGINE \$99.99 NSN:2835013701762 LmtDstCd: 0 FSC: 2835 DMIL: B Unit of Issue: EA Quantity per Unit Pack: 1 Source of Supply : SMS CC MIL	Quantity <input type="text"/> <input type="button" value="Add to Cart"/> <input type="button" value="Add to Frequently Purchased Items"/>
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NSN products meeting your search criteria are returned in search results. The NSN Unit Price that displays reflects the current list price in the local FedMall Commerce database.

12. Click the NSN ITEM NAME link (e.g. “SEAL, RING, LABYRINTH, NON AIRCRAFT GAS TURBINE ENGINE”) or item image thumbnail (if available) to view the *Product Detail Page* associated to any DLA-managed NSN (i.e. Source of Supply = “SMS”) in your search results.



The *Product Detail Page* displays.

The following message briefly displays when the current price for the selected DLA NSN in the local Commerce database is older than 24 hours (times may vary based on current feature configuration):

*“Retrieving real-time NSN prices ...”*

While this message is displayed, FedMall is retrieving the current NSN price from the DLA Enterprise Business System (EBS) in real-time. EBS is the authoritative source for DLA-managed NSN product information, including price information.

Real-time prices are NOT retrieved for NSNs managed by non-DLA Sources of Supply (e.g. GSA, HM8, etc).

13. Note the NSN **Unit Price** after the *Product Detail Page* completes loading and the above message no longer displays.

# SEAL RING,LABYRINTH,NONAIRCRAFT GAS TURBINE ENGINE



NSN: 2835013701762

Source of Supply : SMS

Unit of Issue: EA

Quantity per Unit Pack: 1

LmtDstCd: 0

FSG: 28 - MISCELLANEOUS ENGINES AND COMPONENTS

FSC: 2835 - GAS TURBINES AND JET ENGINES; NON-AIRCRAFT PRIME MOVER, AIRCRAFT NON-PRIME MOVER, AND COMPONENTS

DMIL: B

**\$67.00**

Quantity

---

The NSN **Unit Price** refreshes with the real-time price retrieved from DLA EBS. The **Unit Price** updates only if the real-time price retrieved from DLA EBS differs from the price in the local Commerce database.

FedMall saves the real-time **Unit Price** from DLA EBS in the local Commerce database, if the request is successful.

## IMPORTANT NOTE:

Search results may NOT reflect updated **Unit Prices** for a period of 24 hours after being refreshed on the *Product Detail Page*. This is because search results are indexed nightly and reflect the previous day's data.

After an NSN's **Unit Price** is updated, the updated price will be reflected in the next day's search results after the nightly indexing process concludes.

Users observing NSNs with **Unit Prices** that differ between search results and the *Product Detail Page* are advised to wait at least 24 hours before reporting a problem to the DLA Customer Interaction Center (1-877-DLA-CALL, or [dlacontactcenter@dla.mil](mailto:dlacontactcenter@dla.mil)).



### 3 Real-time Price Refresh (In Shopping Cart)

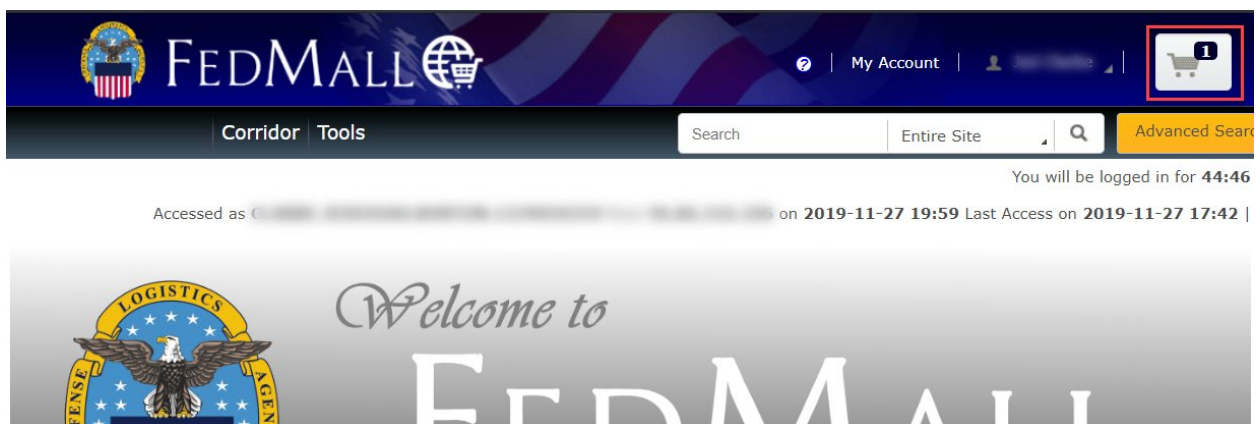
The following instructions demonstrate the Real-time NSN Price Refresh capability when viewing a current shopping cart containing one more National Stock Number (NSN) products just prior to Check Out.

**User Role:** Shopper (all User Types)

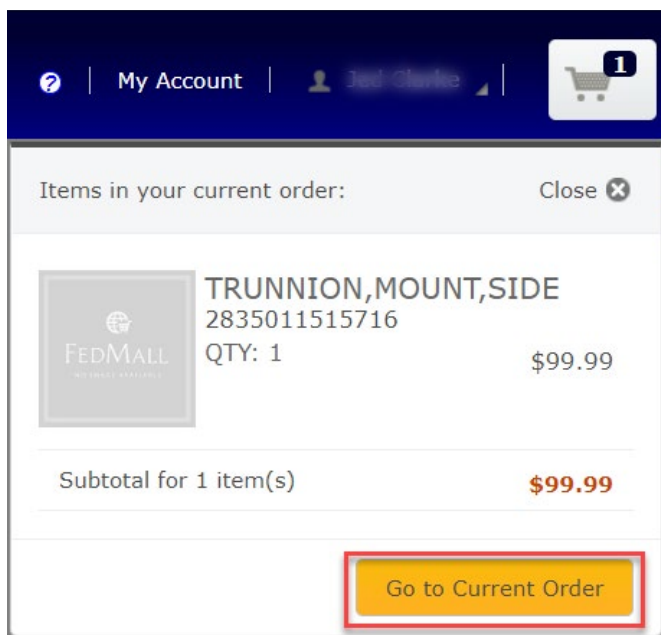
**Pre-Conditions:**

- User has an active FedMall Commerce account
- User has one or more NSN products in their current shopping cart

From any webpage in FedMall Commerce ...

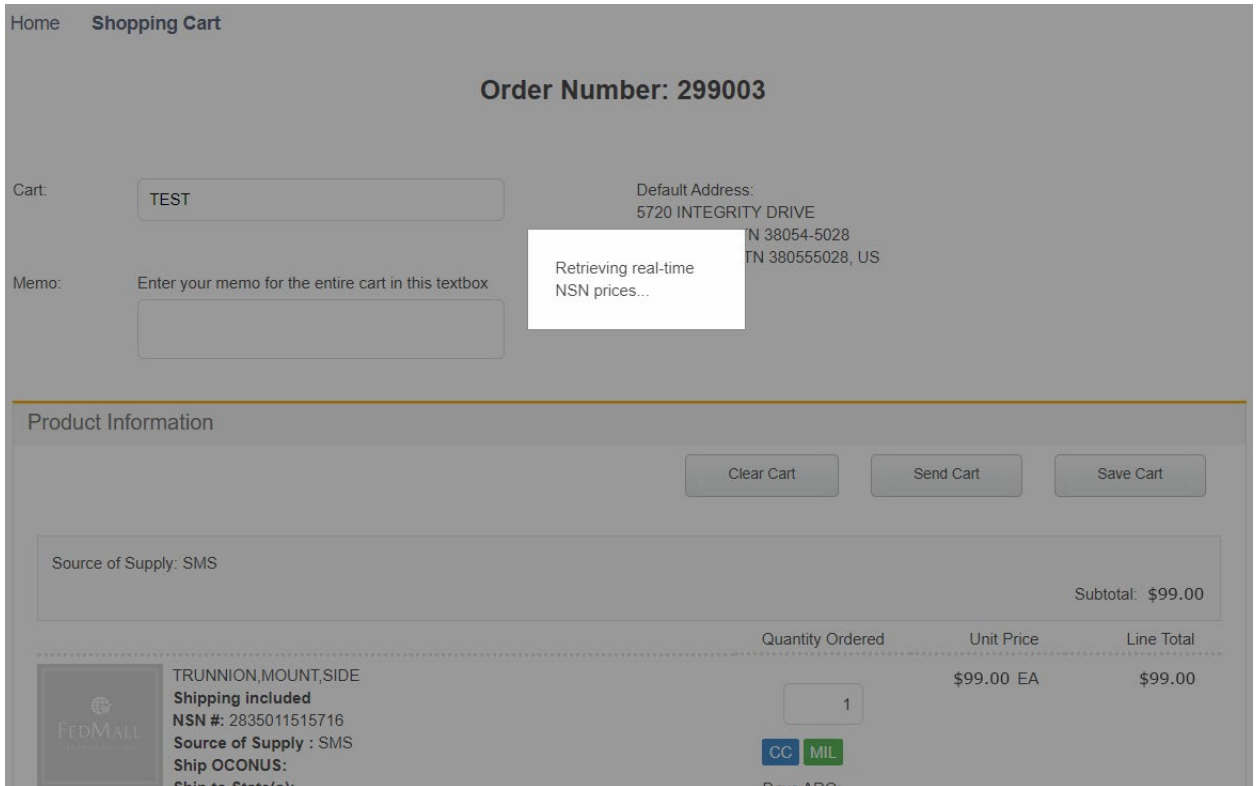


1. Click the  icon from the FedMall header bar to preview items in your current cart.



Using the cart preview, verify your current cart contains one or more NSNs items.

2. Click the GO TO CURRENT ORDER button.



The current *Shopping Cart* page displays.

The following message briefly displays when the shopping cart contains one or more NSNs with a current **Unit Price** (from the FedMall Commerce database) older than 24 hours (times may vary based on current feature configuration).

*“Retrieving real-time NSN prices ...”*

While this message is displayed, FedMall is retrieving current NSN price(s) from DLA EBS in real-time.

3. Note the **Unit Price(s)** for each NSN after the *Shopping Cart* page completes loading and the above message no longer displays.

Product Information

Clear Cart   Send Cart   Save Cart

Source of Supply: SMS

Subtotal: \$2.50

Quantity Ordered	Unit Price	Line Total
1	\$2.50 EA	\$2.50

TRUNNION, MOUNT, SIDE  
 Shipping included  
 NSN #: 2835011515716  
 Source of Supply : SMS  
 Ship OCONUS:  
 Ship to State(s):

CC MIL

Days ARO:

Item Notes:

Order Total: \$2.50

Continue Shopping   Save Cart   Check Out

NSN **Unit Prices** refresh with the real-time prices retrieved from DLA EBS. **Unit Prices** update only if the real-time prices retrieved from DLA EBS differ from the prices in the local Commerce database.

FedMall recalculates each of the following cart totals based on the updated **Unit Price(s)**:

- **Line Total**
- [Source of Supply] **Subtotal**
- **Order Total**

FedMall saves the real-time **Unit Price** from DLA EBS in the local Commerce database for each affected NSN in the shopping cart, if the request(s) are successful.

**IMPORTANT NOTE:**

Search results may NOT reflect updated NSN **Unit Prices** for a period of 24 hours after being refreshed in a user's current shopping cart. This is because search results are indexed nightly and reflect the previous day's product data.

After an NSN's **Unit Price** is updated, the updated price will be reflected in the next day's search results after the nightly indexing process concludes.

Users observing NSNs with **Unit Prices** that differ between search results and their current shopping cart are advised to wait at least 24 hours before reporting a problem to the DLA Customer Interaction Center (1-822-DLA-CALL, or dlacontactcenter@dla.mil).

## 4 Price Retrieval Problems

In the event the DLA EBS price-lookup service is unavailable OR the price request for a specific NSN times out, the following message will display for each affected NSN:

*“Realtime NSN pricing unavailable. Listed prices may not be current.”*

In this scenario, FedMall refers to the current **Unit Price** stored in the local Commerce database.

The figures below illustrate this scenario for the *Product Detail Page* and *Shopping Cart* page:

The screenshot shows a product detail page for an O-RING. The product name is "O-RING" with a "CC MIL" logo. Below the name, the following details are listed: NSN: 5331016052078, Source of Supply : SMS, Unit of Issue: EA, Quantity per Unit Pack: 1, FSG: 53 - Hardware and Abrasives, FSC: 5331 - O-RING, and DMIL: A. The price is displayed as "\$39.92" in a red box, with a message below it: "Real-time NSN pricing unavailable. Listed prices may not be current." Below the price is a "Quantity" input field, an "Add to Cart" button, and an "Add to Frequently Purchased Items" button.

*Figure 3 - Product Detail Page: Real-time NSN pricing unavailable*

**REAL-TIME NSN PRICING UNAVAILABLE. LISTED PRICES FOR DLA-MANAGED NSNS MAY NOT BE CURRENT.**

Cart:


Memo: Enter your memo for the entire cart in this textbox

Default Address:  
 5720 INTEGRITY DRIVE BLDG 791  
 MILLINGTON TN 38055-5028  
 MILLINGTON, TN 380555028, US

Product Information

Clear Cart Send Cart Save Cart

Source of Supply: SMS Subtotal: \$0.00

	Quantity Ordered	Unit Price	Line Total
 COATING KIT,RAIN EROSION RESISTING Shipping included NSN #: 9999999999999 Source of Supply : SMS Ship OCONUS: Ship to State(s): ✖ Remove	1	\$0.00 KT	\$0.00

CC MIL  
 Days ARO:  
 Item Notes:

Figure 4 - Shopping Cart: Real-time NSN pricing unavailable

## 5 Feature Configuration

The table below shows how the Real-time NSN Price Refresh capability may be configured within FedMall to optimize performance and/or user experience:

Table 1- Real-time NSN Price Refresh configuration properties

Property Name	Description	Parameter Values	Default Setting
<b>Request Timeout</b>	Amount of time FedMall waits for a response from DLA EBS before terminating the HTTP request.	Seconds (s)	10s
<b>Refresh Interval</b>	Amount of time FedMall waits before retrieving the real-time price for the same NSN.  Note: This prevents FedMall from requesting a real-time price for the	Hours (h)	24h

	same NSN more than once on the same day, week, etc.		
<b>Feature Toggle</b>	Enables or disables the capability. FedMall attempts to retrieve real-time NSN prices, when enabled. FedMall always refers to the locally-stored unit price in the Commerce database, when disabled.	On/Off	Off

Any of the properties listed above are easily configurable upon request of the FedMall Program Management Office (PMO). Configuration changes do NOT require an application restart or any system downtime.