GS1 BARCODE SERIALIZATION OVERVIEW



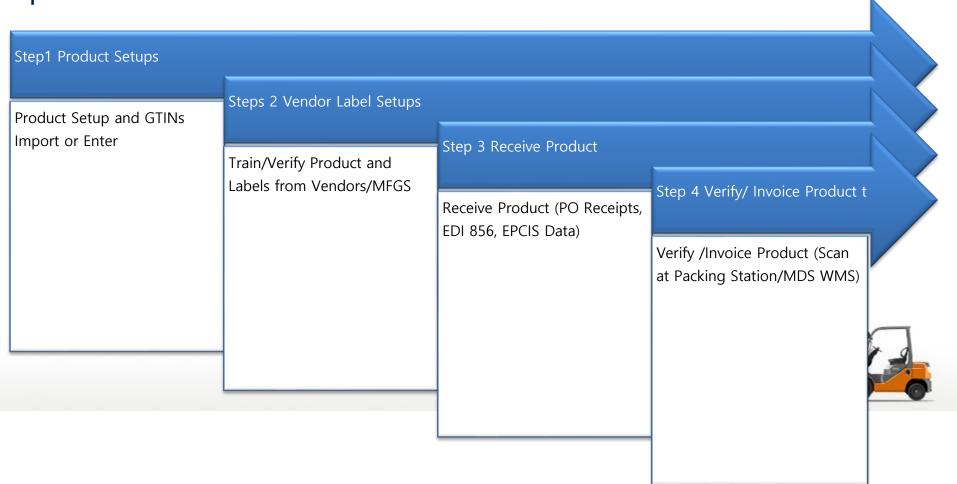
MDS User Meeting



Overview

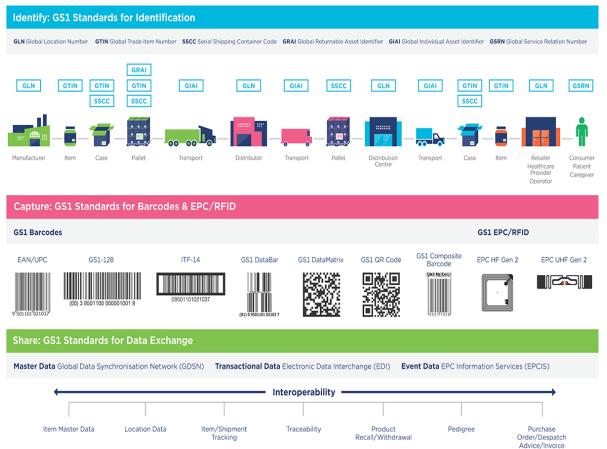


This Overview is designed to outline methods within the MDS-Nx System for easily scanning and identifying product that is serialized and provides a standard GS1 Barcode.







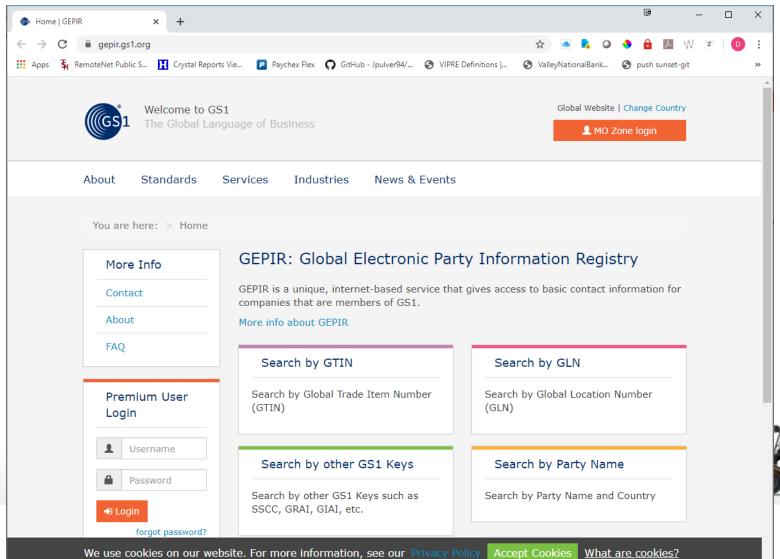


- MDS supports full
 Serialization with tracking,
 serial inquiry and auditing.
- MDS has the capability of creating automated sequential serial numbers during Purchase Order Receipts.

Serialization



https://gepir.gs1.org/





Serialization and Traceability



- Utilizing GS1 Standards there are 3 components:
 - Identify Using globally unique identification keys
 - GLN Global Location Number. Your company and warehouses will have a unique GLN number. All of your customers and their shipto's should have GLN numbers assigned by GS1.
 - GTIN Global Trade Identification Number. Each item will have a unique GTIN for each saleable unit of measure.
 - SSCC Serial Shipping Container Code. Serial shipping container is used to identify items packaged together for transport.
 - Capture by utilizing barcode scanning
 - GS1 DataMatrix barcode is read by camera-based bar code scanners.
 - Contains: GTIN, Expiration Date, Lot Number and Serial Number of the item
 - GS1-128 line bar code. Easily read by a handheld scanner.



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Example: Use of GS1 Standards for the identification of products using a GS1 DataMatrix



GTIN: (01) 07046261398572

Expiry: (17) 130331 Batch / lot: (10) TEST5632 S/N: (21) 19067811811



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Batch / lot: (10) TEST5632

(21) 1906781181



Product Setup



- Import GTINS using MDS Import (Product, GTIN, UM)
- Setup in Product Master



Vendor Label Setups

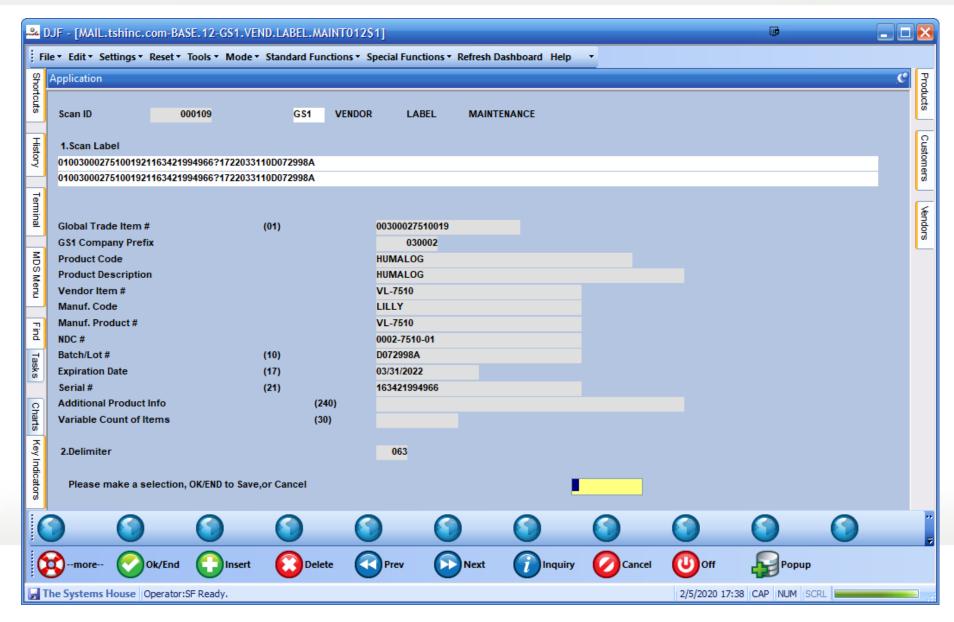


- Scan Labels to Identify Important Data
- Link Scanned Data to Existing Products for GTIN
- Log all Scans to Review Vendor Label Formats and Standards
- Update and Save Delimiters so barcodes can be easily decoded



Vendor Label Setups





HDA EDI856 Track and Trace

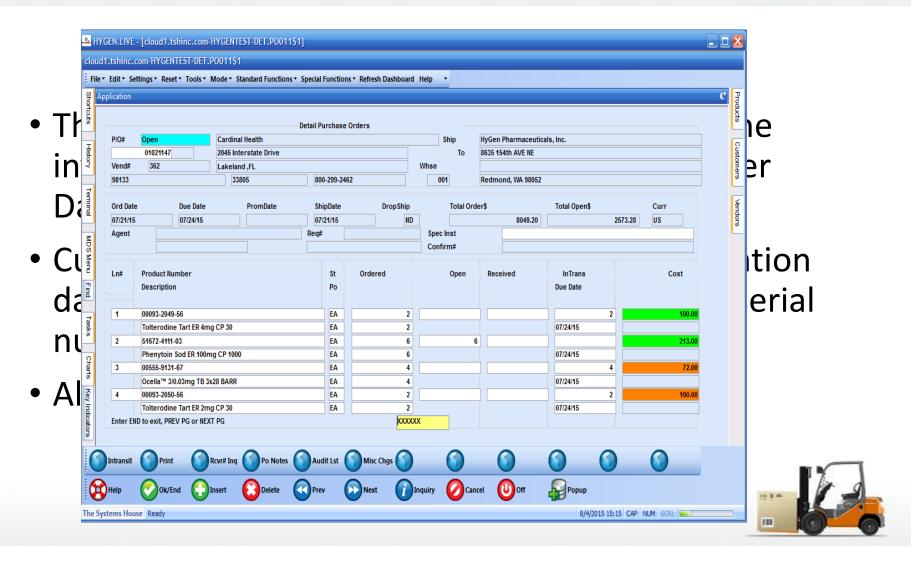


- The Detail Purchase Order Inquiry will show the inventory as In Transit and the Expected Deliver Date when information has been received
- Currently, the lot information, including expiration date is sent in the EDI record. In theory, the serial number will also be included
- Alternately Data may be sent via EPCIS



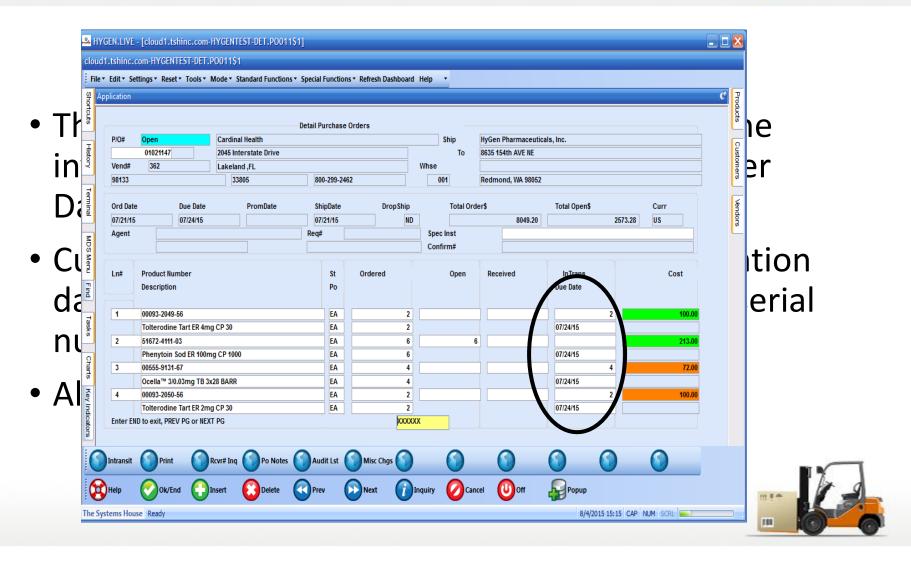
HDA EDI856 Track and Trace





HDA EDI856 Track and Trace





Intransit/Pending Pedigree

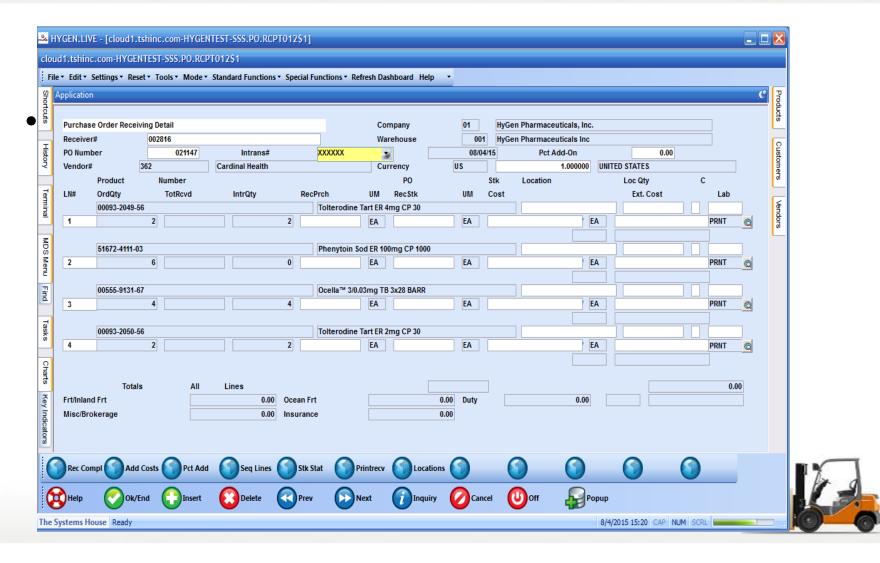


 At PO Receiving time, you will select the Intransit record that was created



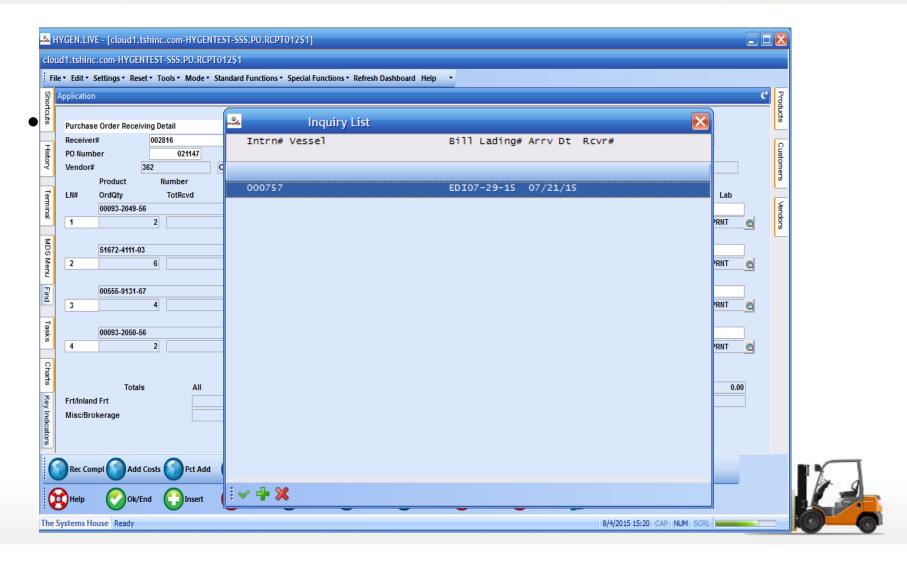
Intransit/Pending Pedigree





Intransit/Pending Pedigree





Automated Pedigree (T3)



- The Pending Pedigree Selection screen will show for any incoming Pedigree items
- If desired, you can see detailed Pedigree information by clicking on the Pedigree Detail button



Automated Pedigree (T3)



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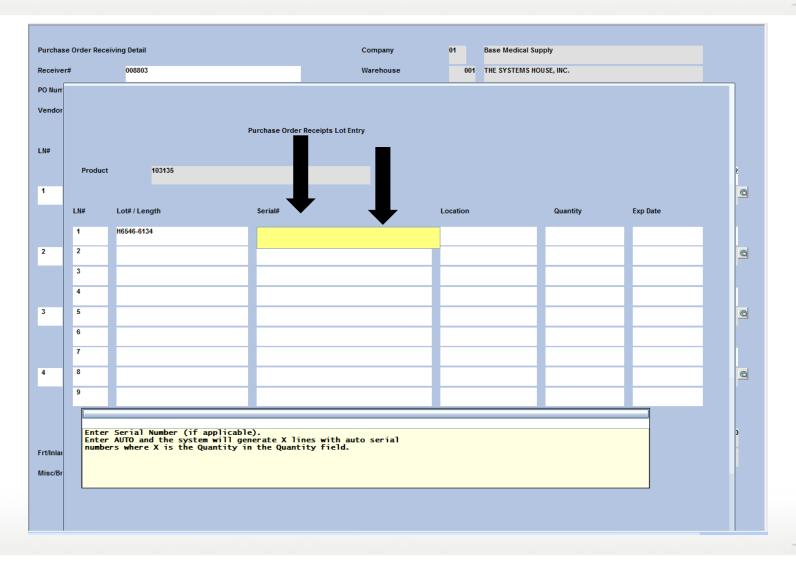




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Vendor											
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Misc/Br											

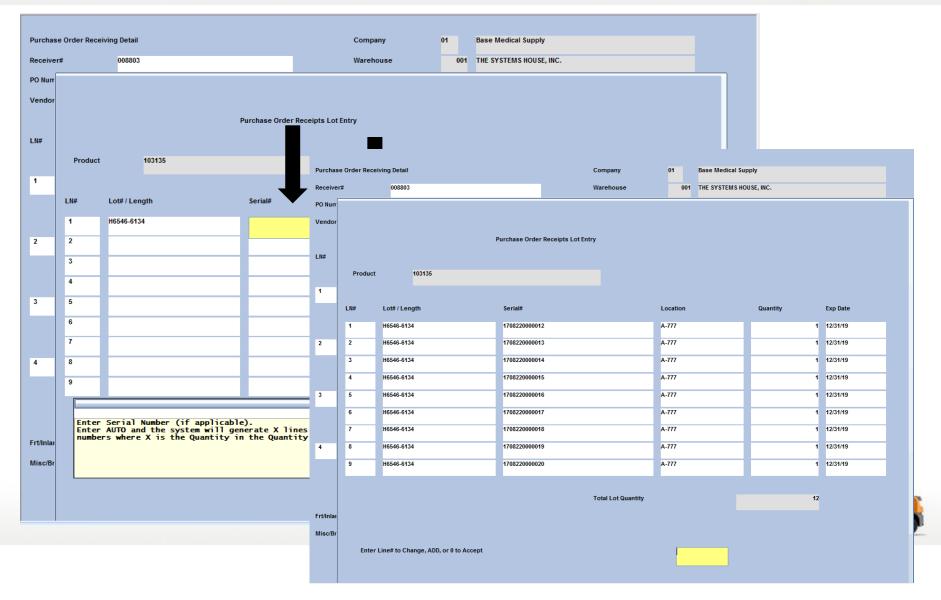




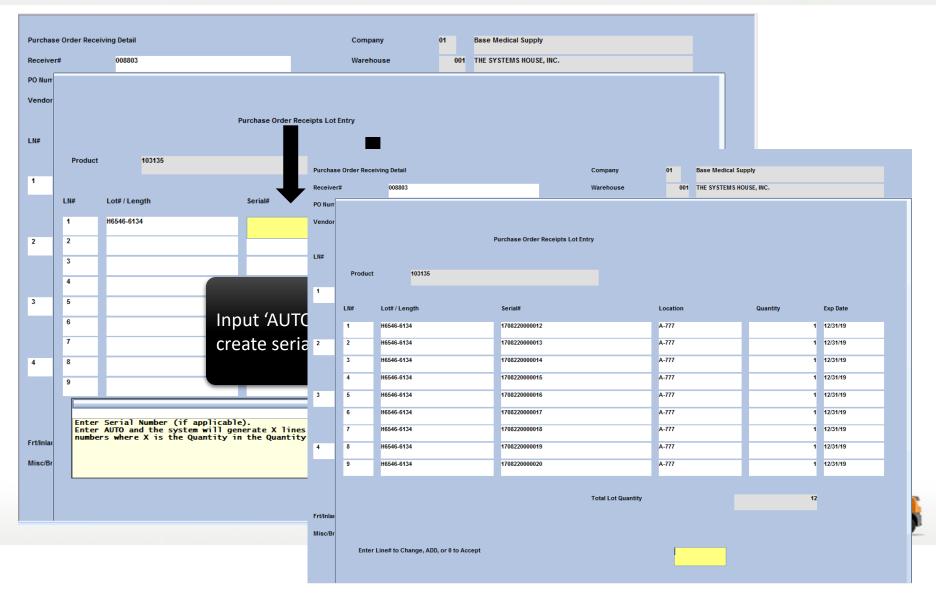






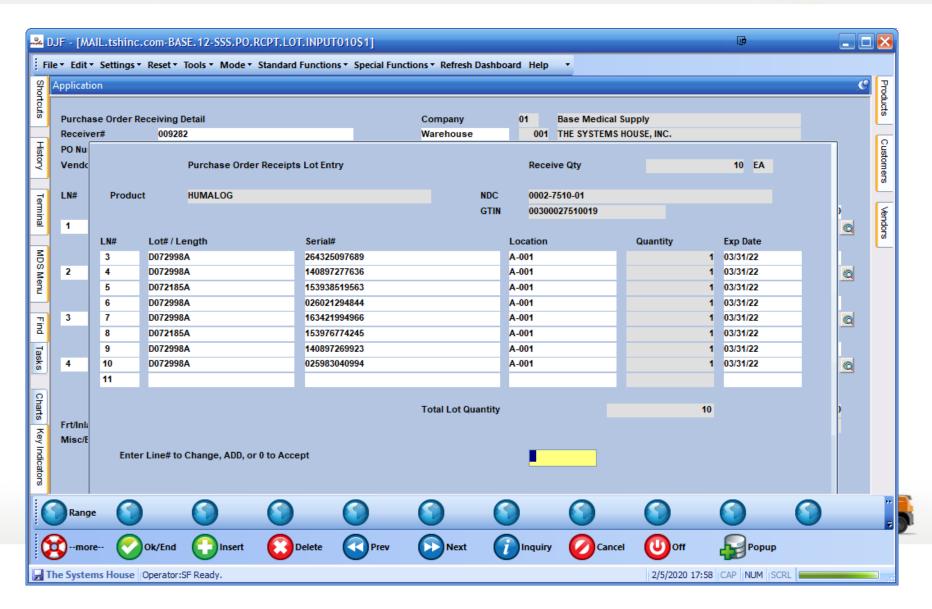






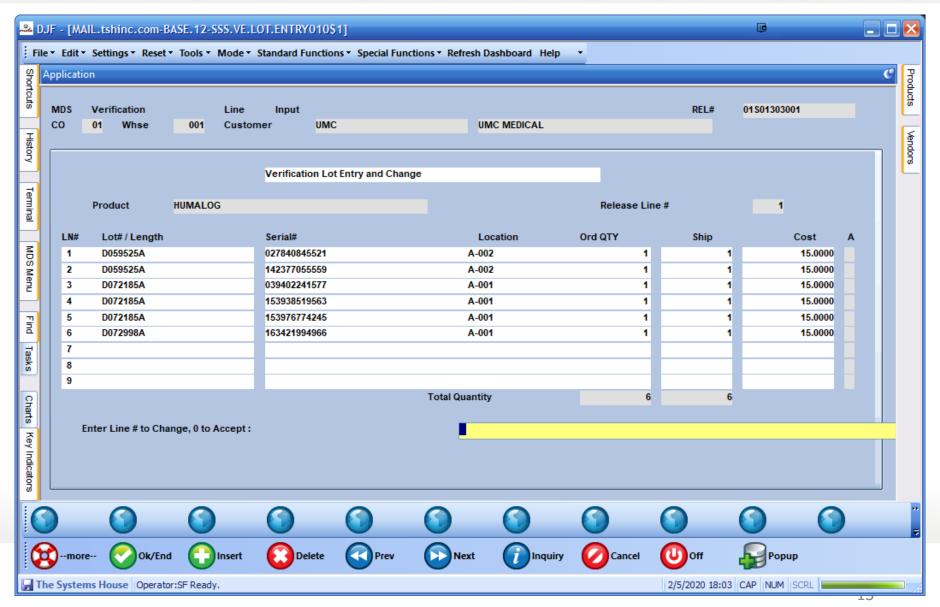
PO Receipts Scan Option





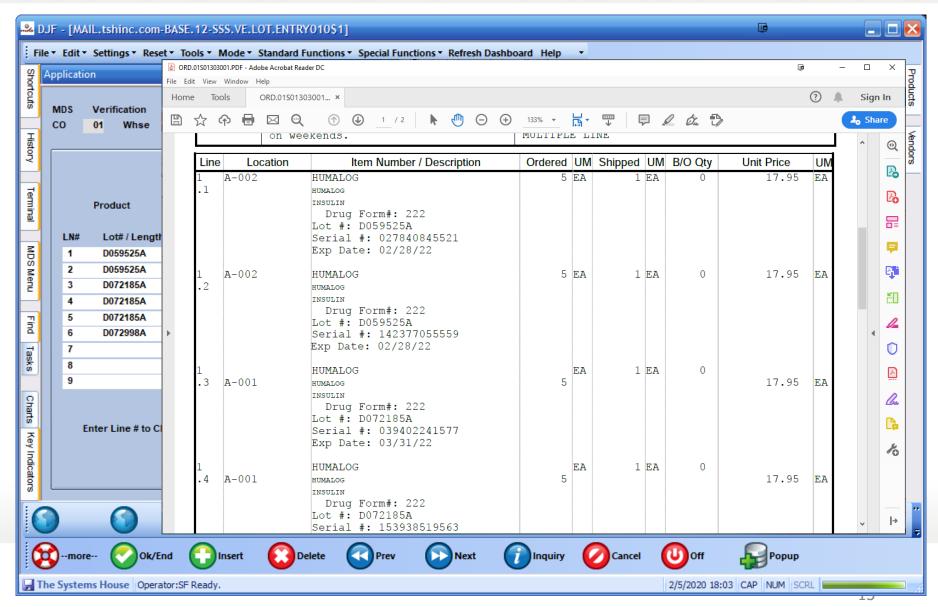
Verification / Shipping





Verification / Shipping





Serialization Recap



- Improved Inventory Accuracy
- Maintain Compliance
- Utilize Standards
- Communicate Better



