

xperitus

ERP systems specialists

JD Edwards Nordic Conference 2024

Inventory enhancements Release 24



JD Edwards Nordic Conference 2024

Speaker:

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JD Edwards Nordic Conference 2024

Agenda:

- Inventory Locations on Hold
- Automated Safety Stock
- Advanced Lot Trace & Track for Blend Management

Inventory Locations on Hold

Overview

Prior to the location hold enhancement, inventory must be controlled by item/lot/location using the Lot Status Code. Putting all items in a location on hold may require updating hundreds of records and having to reverse that process when you want to make them available again.

Inventory management and control is made much more efficient and flexible by allowing availability and movement to be determined by a Location Hold field in the Location Master that defines what kind of transactions are allowed. This takes precedence over the Lot Status in the Item Location table and eliminates the need to update individual item/lot/location records. After validating the location hold transaction with an unrestricted location hold, system will validate the Lot status further.

Inventory Locations on Hold

Special Handling codes in the UDC determine allowed transactions

1. Allow only incoming transactions.
2. Allow only outgoing transactions.
3. Do not allow incoming and outgoing transactions.
4. Allow incoming and outgoing transactions, but inventory in the location is not available for use.

If the special handling code of any UDC code is not 1, 2, 3 or 4, the location is unrestricted.

Work With User Defined Codes

✓ 🔍 + 🗑️ ✕ ⌵ Row 🏷️ Form 📄 Report ⚙️ Tools

Product Code *Inventory Management*

User Defined Codes *Location Status Codes*

Records 1 - 5

<input type="checkbox"/>	<input checked="" type="checkbox"/>	Codes	Description 01	Special Handling	Hard Coded
<input type="checkbox"/>			Approved		N
<input type="checkbox"/>		A	Only Incoming	1	N
<input type="checkbox"/>		B	Only Outgoing	2	N
<input type="checkbox"/>		C	No Incoming or Outgoing	3	N
<input type="checkbox"/>		D	Incoming and Outgoing	4	N

Inventory Locations on Hold

Availability Calculation

The image shows how location hold effects the item availability calculation, wherein location with hold code status A with special handling code 1 and location with hold code D with special handling code 4 shows as not available, but the location with location hold code B with special handling code 2 has available quantity.

Work With Item Availability

Personal Form: (No Personalization) | Layout: (No Layout) | Query: All Records

Item Availability | Additional Selections 1 | Additional Selections 2

Item Number: PAPERS | Office Papers | Branch/Plant: 30
U/M: EA | Each | Secondary U/M: .

Display Options
 Summary Only
 Omit Zero Quantities

Records 1 - 6

	P S	Location	Branch/ Plant	Location Hold Code	Location Hold Code Description	On Hand	Secondary On Hand	Committed	Secondary Committed	Available	S A
<input type="checkbox"/>	S	S.A.1	30	B	Utility Location	10.0000				10.0000	
<input type="checkbox"/>	S	S.A.2	30	A	Temporary Location	13.0000					
<input type="checkbox"/>	S	S.D.1	30	D	Quality Testing	20.0000					
<input type="checkbox"/>	S	S.E.1	30	E	Approved	10.0000				10.0000	
<input type="checkbox"/>		TOTAL:	30			53.0000				20.0000	
<input type="checkbox"/>		GRAND TOTAL:	30			53.0000				20.0000	

Inventory Locations on Hold

Availability Calculation

Following applications will consider the location hold status when calculating the availability of an item:

- Item Availability - P41202
- Lot availability - P41280
- Item Search - P41200
- Supplier Self-Service Inventory - P41201
- Segmented Item Availability - P41206
- Location Search and Select - P41LOCN
- Location Segment Inquiry - P4100142
- Lot Master - P4108
- Stock Status Report - R41530
- Line Availability - P42101

Inventory Locations on Hold

Applications and reports that validate the location hold code

- Inventory Adjustment – P4114
- Inventory Issues – P4112
- Inventory Transfer – P4113
- Inventory Reclassification – P4116
- Item Availability – P41202
- Lot Availability – P41280
- Item Search – P41200
- Supplier Self-Service Inventory – P41201
- Segmented Item Availability – P41206
- Location Search and Select – P41LOCN
- Location Segment Inquiry – P4100142
- Lot Master – P4108
- Stock Status Report – R41530
- Line Availability – P42101
- Locations Selection Driver – R46171
- Manual Replenishment – P46100
- Warehouse Confirmation – P4617
- LPN Transfer – P46L10
- Warehouse Availability Inquiry – P46230
- Cross Docking – P4614
- Sales Order Entry – P4210
- Ship/Load Confirm – P4205
- Disposition – P49660
- Unscheduled Deliveries – P49665
- Work Order Parts List – P3111
- Work Order Inventory Issues – P31113
- Work Order Completions – P31114
- Co/By Completions – P31115
- Super Backflush – P31123
- Config Component Commitments – P3210
- Lean Item Completions – PF31011
- Kanban Check In – P3157
- PO Receipts – P4312
- Master Planning Schedule – Multiplant – R3483
- MRP/MPS Requirements Planning – R3482
- Supply and Demand Inquiry – P4021
- Supply and Demand Report – R4051
- Planning Console – P34X200

Inventory Locations on Hold

Additional Notes

Based on the special handling code of the location hold code UDC value, the system will allow or prevent transactions.

Location hold with special handling code of 2 allows both inventory use (for example, Sales order creation) and inventory movement (for example, inventory transfer) transactions. But location hold with special handling code of 4 will restrict the inventory use.

Location hold takes precedence over lot status. If the location is on hold, then the transactions will NOT be allowed even if the lot is in approved status.

The system validates the lot status if there is no restriction in that transaction due to location hold.

There is no restriction on any transaction for the UDC with blank special handling code and it is considered as an approved status.

If the location is created without an entry in the Location Master - P4100 (by setting the Location Control (Y/N) to N in the B/P Constant program – P41001), then the location cannot be put on hold.

Quantity from the on-hold location will not be deducted from the availability calculation if Quantity on Hold is unchecked on the item availability definition page.

As the Primary bin is always skipped for location/lot hold validation when R31410 is run over the WO, no Work Center (WC) error will appear.

Inventory Locations on Hold

Q&A

JD Edwards Nordic Conference 2024

- Automated Safety Stock

Automated Safety Stock

Overview

Prior to the Automated Safety Stock Population enhancement, safety stock values had to be manually calculated and maintained by Item and Branch.

The Automated Safety Stock Population report automatically calculate safety stock values, thereby maintaining optimal inventory levels to reduce stock-outs and excess inventory.

When the Automated Safety Stock Population report is run in final mode, safety stock values in the Item Branch file are updated with the calculated values.

If you run the program in proof mode, the calculated safety stock values are written to the Safety Stock Message File. You can then use the Work with Safety Stock Messages application to review and edit the automatically calculated safety stock values prior to update, as well as to manually enter safety stock for an item.

Automated Safety Stock

When you run R3425, the system calculates safety stock values using one of the following three formulas:

1. Buyer's Guide formula

With this formula, the system calculates the safety stock in this way:

Safety Stock = Square Root of [(Annual Sales / Number of Days in Year) x Lead Time Days]

2. Specified Days of Demand formula

This formula calculates the demand per day and multiplies that by the value specified in the Safety Stock Days of Demand processing option.

3. Specified Percentage of Leadtime Demand formula

This formula calculates the demand per day and multiplies that by the days defined in the Level Leadtime field of F4102 and the value in the Safety Stock Percentage of Leadtime Demand processing option.

Automated Safety Stock

Reports & Applications

Automated Safety Stock Population Report R3425 processing options

Processing Options



Methods	Process
1. Safety Stock Calculation Method	<input type="text"/>
Blank = Buyer's Guide Formula 1 = Specified Days of Demand 2 = Specified Percentage of Leadtime Demand	
2. Safety Stock Days of Demand	<input type="text" value="30.00"/>
3. Safety Stock Percentage of Leadtime Demand	<input type="text"/>
4. Demand Per Day Calculation	<input type="text" value="1"/>
Blank = Use historical demand data 1 = Use future demand data	
5. Number of days for Demand Per Day	<input type="text" value="10.00"/>
6. Doc Types for Item Ledger data (up to 12)	<input type="text" value="SOSTSDIMIOISII"/>

Processing Options



Methods	Process
1. Mode	<input type="text"/>
Blank = Proof Mode 1 = Final Mode	
2. Rounding	<input type="text"/>
Blank = Calculated Safety Stock will be rounded 1 = Calculated Safety Stock will not be rounded	

Automated Safety Stock

Reports & Applications

Automated Safety Stock Population Report R3425 Data Selection

Data Selection



	Operator	Left Operand	Comparison	Right Operand
<input type="checkbox"/>	Where	Business Unit (F4102) (MCU) [BC]	is equal to	" 30"
<input type="checkbox"/>	And	Stocking Type (F4102) (STKT) [BC]	is equal to	"P"
<input type="checkbox"/>	And			

[Add Row](#)

[Advanced](#)

Automated Safety Stock

Reports & Applications

Automated Safety Stock Messages Application P3425

The screenshot displays the SAP Automated Safety Stock Messages Application P3425. The main window is titled "Work With Safety Stock Messages" and contains a table of safety stock data. A "Quantities" dialog box is open, showing details for item 210 (Mountain Bike, Red).

Table: Safety Stock Data

Item Number	Original Safety Stock	Suggested Safety Stock	Manual Entry	Processed Flag	Plann Numt
210	30	10.0000	N	N	
9019	30	10.0000	N	N	
9020	30	10.0000	N	N	
9021	30	10.0000	N	N	
9022	30	10.0000	N	N	
9060	30	10.0000	N	N	
WIDE RULE PAPER	30	10.0000	N	N	
COLLEGE RULE PAPER	30	10.0000	N	N	

Quantities Dialog Box (Top):

- Branch/Plant: 30
- Item Number: 210 Mountain Bike, Red
- Reorder Quantity: []
- Maximum Reorder Qty: 0
- Minimum Reorder Qty: []
- Reorder Point: []
- Multiple Order Quantity: []
- Units Per Container: 1
- Safety Stock: []

Quantities Dialog Box (Bottom):

- Branch/Plant: 30
- Item Number: 210 Mountain Bike, Red
- Reorder Quantity: []
- Maximum Reorder Qty: 0
- Minimum Reorder Qty: []
- Reorder Point: []
- Multiple Order Quantity: []
- Units Per Container: 1
- Safety Stock: 1

Automated Safety Stock

$$\sqrt{[(\text{Annual Sales} / \text{Number of Days in a Year}) \times \text{Lead Time Days}]}$$

Buyers Guide Formula

Safety Stock = Square Root of [(Annual Sales / Number of Days in Year) x Lead Time Days]

Annual Sales is the total units of sales for the previous 12 months from the Item History table (F4115). These units are converted to the primary unit of measure for the item.

Number of Days in Year is retrieved from the Branch Plant Constants (F41001) file. If this value is missing in F41001, the system uses the default value of 365.

Lead Time Days is retrieved from the Average Lead Time (ALTD) field if established in the Supplier/Item Relationships file (F43090). Otherwise, the system retrieves it from the Level Leadtime (LTLV) field in the Item/Branch file (F4102).

Note: If no lead time is established in either Supplier/Item Relationships or Item Branch, the default value of 1 day is used.

Processing Options



Methods	Process
1. Safety Stock Calculation Method	<input type="text"/>
Blank = Buyer's Guide Formula 1 = Specified Days of Demand 2 = Specified Percentage of Leadtime Demand	
2. Safety Stock Days of Demand	<input type="text"/>
3. Safety Stock Percentage of Leadtime Demand	<input type="text"/>
4. Demand Per Day Calculation	<input type="text"/>
Blank = Use historical demand data 1 = Use future demand data	
5. Number of days for Demand Per Day	<input type="text"/>
6. Doc Types for Item Ledger data (up to 12)	<input type="text"/>

Automated Safety Stock

Specified Days of Demand

Demand per Day Calculation

Using historical demand data

Sum of transaction quantities for the specified Document Types (up to 12) from Item Ledger (F4111) within the specified number of days.

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Specified Number of Days

Processing Options



Methods	Process
1. Safety Stock Calculation Method	<input type="text" value="1"/>
Blank = Buyer's Guide Formula 1 = Specified Days of Demand 2 = Specified Percentage of Leadtime Demand	
2. Safety Stock Days of Demand	<input type="text" value="14"/>
3. Safety Stock Percentage of Leadtime Demand	<input type="text"/>
4. Demand Per Day Calculation	<input type="text"/>
Blank = Use historical demand data 1 = Use future demand data	
5. Number of days for Demand Per Day	<input type="text" value="60"/>
6. Doc Types for Item Ledger data (up to 12)	<input type="text" value="SOSTSDIMIOISII"/>

Automated Safety Stock

Demand per Day

Using future demand data

Sum of adjusted demand values from
Time Series (F3413) within specified
number of days

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Specified Number of Days

Processing Options

✓ ✗

Methods	Process
1. Safety Stock Calculation Method	<input type="text" value="2"/>
Blank = Buyer's Guide Formula 1 = Specified Days of Demand 2 = Specified Percentage of Leadtime Demand	
2. Safety Stock Days of Demand	<input type="text"/>
3. Safety Stock Percentage of Leadtime Demand	<input type="text" value="50"/>
4. Demand Per Day Calculation	<input type="text" value="1"/>
Blank = Use historical demand data 1 = Use future demand data	
5. Number of days for Demand Per Day	<input type="text" value="60"/>
6. Doc Types for Item Ledger data (up to 12)	<input type="text"/>

Automated Safety Stock

Days of Demand

Demand Per Day
X

Specified Days of Demand

Processing Options



Methods	Process
1. Safety Stock Calculation Method	<input type="text" value="1"/>
Blank = Buyer's Guide Formula 1 = Specified Days of Demand 2 = Specified Percentage of Leadtime Demand	
2. Safety Stock Days of Demand	<input type="text" value="14"/>
3. Safety Stock Percentage of Leadtime Demand	<input type="text"/>
4. Demand Per Day Calculation	<input type="text"/>
Blank = Use historical demand data 1 = Use future demand data	
5. Number of days for Demand Per Day	<input type="text" value="60"/>
6. Doc Types for Item Ledger data (up to 12)	<input type="text" value="SOSTSDIMIOISII"/>

Automated Safety Stock

Percentage of Leadtime Demand

Demand per Day

X

Level Leadtime Days

defined in Item Branch (F4102).

X

Specified Percentage
of Leadtime Demand

Processing Options



Methods	Process
1. Safety Stock Calculation Method	<input type="text" value="2"/>
Blank = Buyer's Guide Formula 1 = Specified Days of Demand 2 = Specified Percentage of Leadtime Demand	
2. Safety Stock Days of Demand	<input type="text"/>
3. Safety Stock Percentage of Leadtime Demand	<input type="text" value="50"/>
4. Demand Per Day Calculation	<input type="text" value="1"/>
Blank = Use historical demand data 1 = Use future demand data	
5. Number of days for Demand Per Day	<input type="text" value="60"/>
6. Doc Types for Item Ledger data (up to 12)	<input type="text"/>

Automated Safety Stock

Q&A

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- Advanced Lot Track & Trace

Advanced Lot Track & Trace for Blend Management

Advanced Lot Track & Trace: Get control of your lot handled items from origin to destination.

Are you facing increasing pressure to uphold rigorous standards across your supply chain? Are you seeking a comprehensive solution to efficiently manage and track product lots from origin to destination? JD Edwards EnterpriseOne offer the ultimate answer: Advanced Lot Track & Trace Application. With this cutting-edge feature, you can achieve unparalleled visibility and control over your lot-based inventory, ensuring compliance, mitigating risks, and enhancing customer trust.

Don't settle for outdated traceability practices that leave your business exposed to risks. Take the next step towards traceability excellence.

Advanced Lot Track & Trace for Blend Management

Advanced Lot Track & Trace: Enhancement Highlights

- *Build optimized Blend Lot Trace/Track based on vessel-to-vessel movements*
- *Identify and ignore common vessels during Lot Trace/Track*
- *Skip traversing redundant dependency chain paths*
- *Save Lot Trace/Track results to Repository*

Advanced Lot Track & Trace for Blend Management

Operation Search for Advanced Lot Trace/Track: P31B350

Operation Search for Advanced Lot Trace/Track Personal Form: (No Personalization) ? X

Close View Repository

By Vessel By Additive By Consumable

Operation Number Winery
From Date Thru Date
Vessel Number Vessel Class

Find

Blend ID Operation Code
 Base Configured

Number Of Days
Trace Back Track Forward

Records 1 - 30 > X

	Winery	Operation Number	Workflow Status	Vessel Number	Vessel Class	Trace/Track Status	Before Lot	After Lot	From To Flag	Configured Operation Code	Configured Operation Description	Inst Start	Actual Start	Inst End
<input type="radio"/>	G30	30034	ACTIVE	BLOCK C-2008	H		94	95	F	FRM3	Irrigate	08/13/2019 21:36:07	08/13/2007 21:36:07	
<input type="radio"/>	G30	30029	ACTIVE	BLOCK B-2007-2	H		83	85	F	FRM5	Cut - Pick	07/26/2019 00:00:00	07/26/2007 06:00:00	
<input type="radio"/>	G30		DRAFT	BLOCK A-2008	H			90	F	FRM3	Irrigate	07/23/2019 21:11:35	07/23/2007 00:00:00	
<input type="radio"/>	G30	30033	ACTIVE	BLOCK C-2008	H			94	F	SPR2	Pesticide Spray Operation	07/16/2019 21:33:58	07/16/2007 21:33:58	
<input type="radio"/>	G30	30028	ACTIVE	BLOCK B-2007-2	H		80	83	F	FRM5	Cut - Pick	07/16/2019 00:00:00	07/16/2007 06:00:00	
<input type="radio"/>	G30	30026	ACTIVE	BLOCK B-2007-2	H		82	80	F	SPR2	Pesticide Spray Operation	07/16/2019 00:00:00	07/16/2007 06:00:00	
<input type="radio"/>	G30		DRAFT	BLOCK A-2008	H			88	F	SPR2	Pesticide Spray Operation	07/11/2019 21:10:10	07/11/2007 00:00:00	
<input type="radio"/>	G30	30042	ACTIVE	BLOCK D-07-6	H		104	105	F	FRM5	Cut - Pick	06/25/2019 22:45:40	06/25/2007 22:45:40	
<input type="radio"/>	G30	30041	ACTIVE	BLOCK D-07-6	H		101	104	F	FRM5	Cut - Pick	06/18/2019 22:36:40	06/18/2007 22:36:40	
<input type="radio"/>	G30	30027	ACTIVE	BLOCK B-2007-2	H		79	82	F	SPR2	Pesticide Spray Operation	06/15/2019 00:00:00	06/15/2007 08:30:00	

Row Action: -- Select One --

Advanced Lot Track & Trace for Blend Management

Work With Advanced Lot Trace/Track Repository: P31B370

Work With Advanced Lot Trace/Track Repository Personal Form: (No Personalization) Query: All Records ? X

Operation Number Winery
Vessel Number Vessel Class
From Date Thru Date
Trace/Track

Records 1 - 1 ↑ ↓

Operation Number	Winery	Vessel Number	Vessel Class	Trace/Track	Description	Category Code 1	Category Code 2	Category Code 3	Last Run Date	Blend ID	Base Configured Flag	Base Config Code 1
30051		G30 WT-11-0000228	W	Track	Test	1	2	3	05/13/2024 06:55...		1	

Advanced Lot Track & Trace for Blend Management

Q&A

JD Edwards Nordic Conference 2024

Wrap up:

Inventory Location on Hold

How does it work and how can it help your business.

Automated Safety Stock

What possibilities could the automated safety stock give your business.

Advanced Lot Track and Trace for Blend Management

Total control of your lot handled items from origin to destination.

Find out more:



The screenshot shows the xperitus website. At the top, there is a navigation bar with the xperitus logo, a globe icon, and a menu icon. The main content area features a dark blue background with the text "ERP Systems Specialists" and a sub-headline: "xperitus is an Oracle Partner and experts in the ERP systems NetSuite and JD Edwards. 15 years of experience in implementing ERP for the manufacturing industry, distributors, wholesalers, and Field Service." Below this is a red button that says "Book a Consultation". At the bottom, there is a section for "ORACLE JD Edwards" and a promotional banner for "JD Edwards Nordic Conference" on Tuesday, 14 May, 2024, in Hotel Jacy'z, Gothenburg, Sweden. The footer includes logos for xperitus, ORACLE, REDFAIRE INTERNATIONAL, and Cadran.

[xperitus – Your ERP System Partner](#)



The screenshot shows the LearnJDE website. The top navigation bar includes a search icon, a social media icon, and a menu icon. The main content area has a dark background with a woman looking at a tablet. The text reads: "Announcing JD Edwards EnterpriseOne Release 24". Below this is a section for "Register for BLUEPRINT 4D" with dates "May 7 - 10, 2024" and location "Dallas, Texas". At the bottom, there is a section for "Premier Support for EnterpriseOne Extended through at least 2035!" with a "Learn More" button. The footer shows a mobile navigation bar.

[LearnJDE | JD Edwards Resource Library \(oracle.com\)](#)



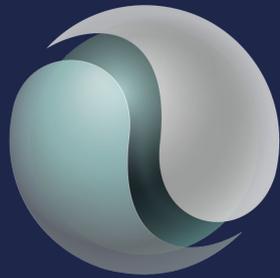
The screenshot shows the Redfaire International website. The top navigation bar features the REDFAIRE INTERNATIONAL logo and a menu icon. The main content area has a dark blue background with the text: "ACCELERATE YOUR BUSINESS WITH A GLOBAL JD EDWARDS PARTNER". Below this is a sub-headline: "WORLDWIDE ORACLE ERP SOLUTIONS TAILORED TO LOCAL NEEDS." There are three blue buttons: "Customer Success", "Our Services", and "Move to the Cloud". At the bottom, there is a red section with the text: "We are an Oracle Partner" and "ORACLE Enterprise Resource Planning Cloud". The footer includes the website URL "redfaireinternational.com".

[Redfaire International | Oracle JD Edwards and ERP Cloud Consultants \(EN\)](#)



The screenshot shows the Cadran website. The top navigation bar includes the Cadran logo, "NL | EN", and a menu icon. The main content area has a dark red background with the text: "The leading Oracle partner in The Netherlands". Below this is a sub-headline: "With 25 years of experience with implementation, support & hosting of ERP-systems for wholesale, manufacturing and commodity trade." There is a red button that says "Discover our ERP solutions". At the bottom, there is a section for "ORACLE JD EDWARDS" and a list of services: "Oracle JD Edwards >", "Oracle JD Edwards ERP", "Oracle JD Edwards Add-ons", and "Oracle JD Edwards Commodity Trade".

[Cadran | Oracle ERP Specialist for Wholesale & Industry](#)



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ERP systems specialists

A partner to trust.