

# 20+ Things You Didn't Know About Fourth Shift

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*Fourth Shift Summit*

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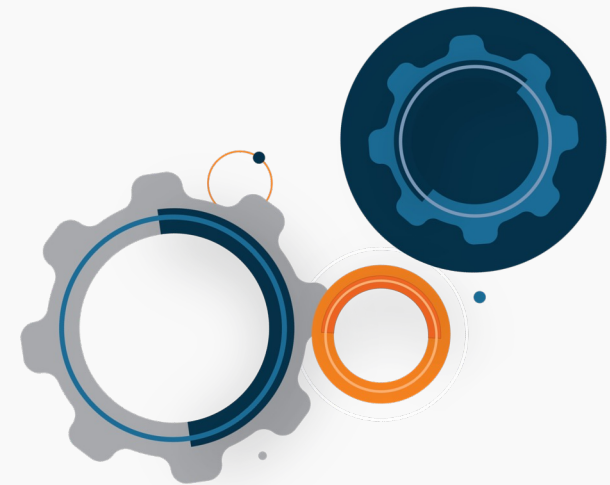


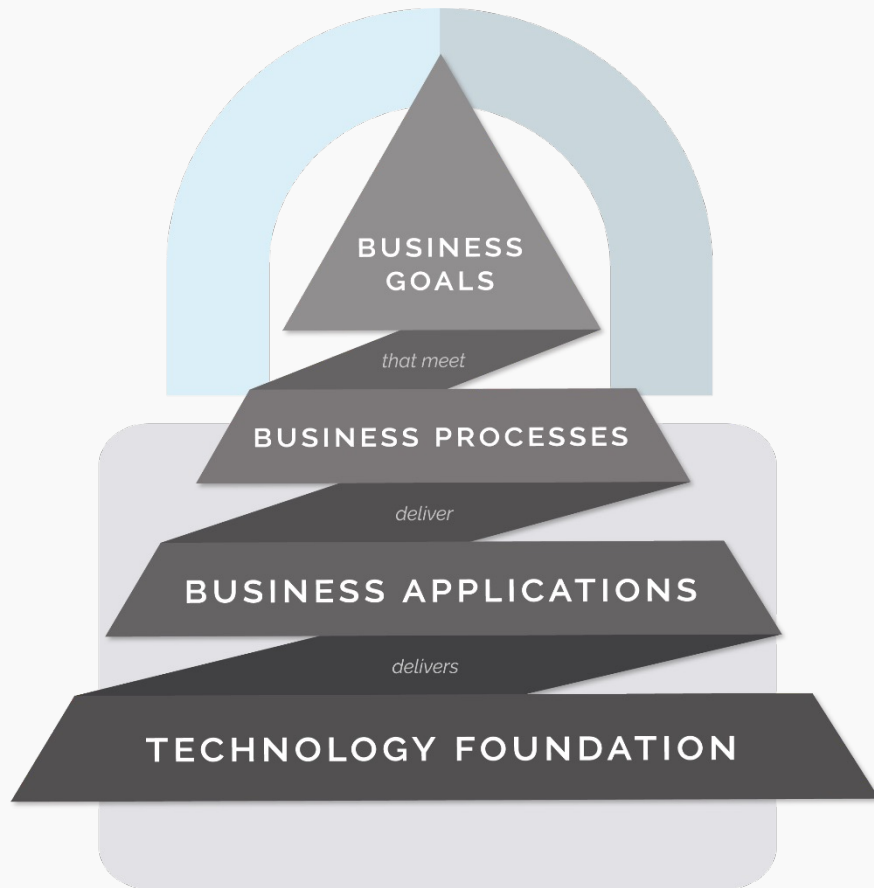
**01** Introduction

**02** Version and User Interface

**03** Fourth Shift Features

**04** Wrap-up and Questions





# The ICG Approach

To compete, technology must be core to the foundation of your business. Without a solid & flexible technology foundation, your business—no matter what you do—will struggle to deliver business applications & processes. ICG's approach is to architect a secure technology foundation that delivers all business applications & processes. This is referred to as perpetual evolution and allows businesses to continually upgrade their digital capabilities and the foundation underneath them.

# Fourth Shift Version And User Interface

## Version

Fourth Shift V8.00C

## User Interface

Traditional GUI Client

Workplace Web Client





# #1

## Fourth Shift

*Things you don't know...*

## Printed Manuals

All of the documentation can be found here:

**M:\Mfgsys\H\PrintDoc\**

PrintDocTOC.HTML displays a Table of Contents

The image shows a Windows File Explorer window with the address bar set to `APPS (M:) > MfgSys > H > PrintDoc`. The file list contains the following PDF files:

- ActiveUsers.pdf
- ADMM.pdf
- APBM.pdf
- APSM.pdf
- ARSM.pdf
- BILM.pdf
- COPM.pdf
- CPMM.pdf
- CSHM.pdf
- CSTM.pdf
- CTKM.pdf
- CUSM.pdf

Overlaid on the bottom right is a preview of the "Fourth Shift Manufacturing Help" document. The table of contents includes:

- Fourth Shift Basics
- Getting Started
- Shop Calendar
- Advanced Price Book
- Bill of Material
- Co-Products Manufacturing
- Custom Products Manufacturing
- Engineering
- Inventory Control
- Lot Trace Serialization
- Management Reports
- Manufacturing Analysis
- Manufacturing Order Management
- Material Requirements Planning

# #2

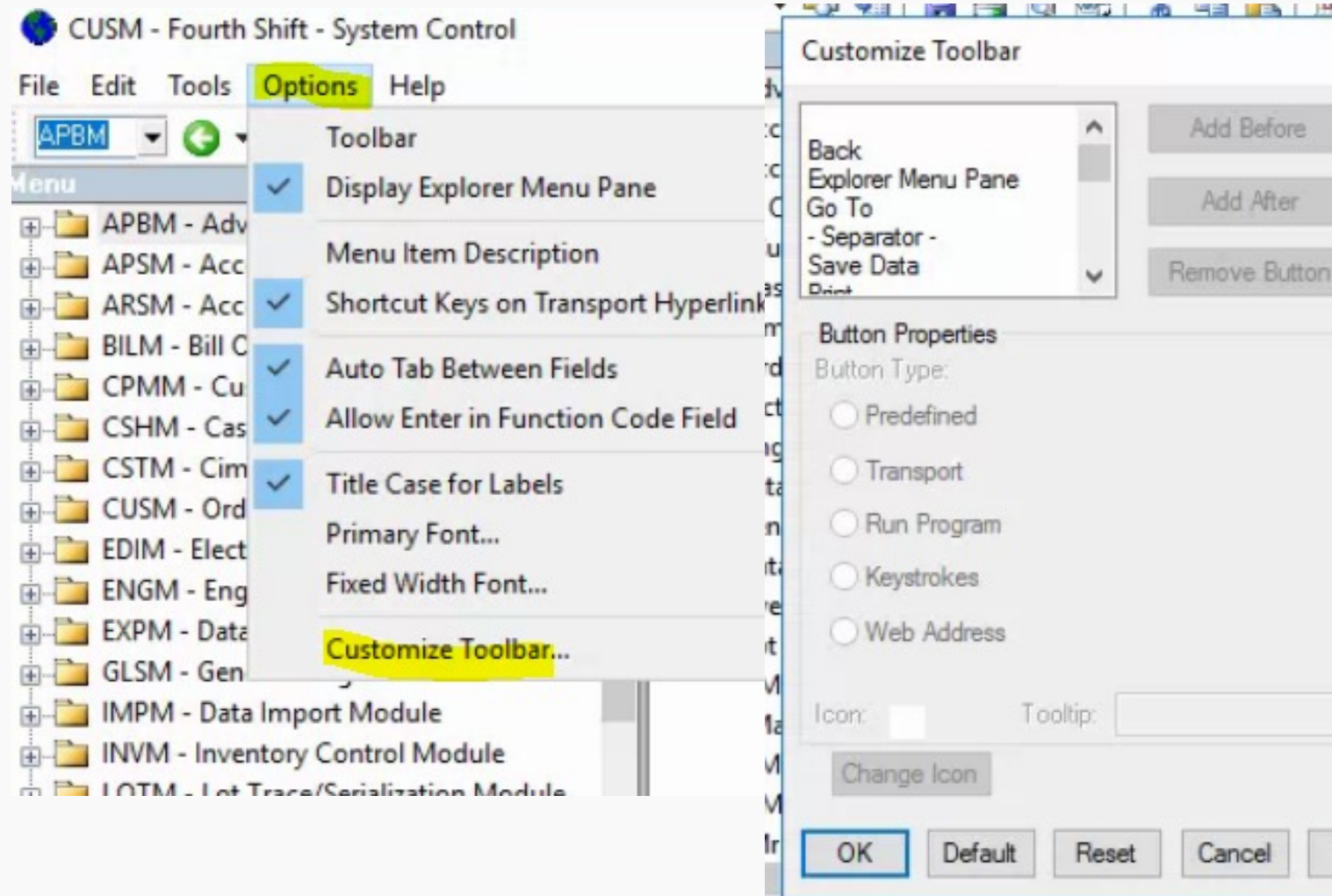
## Fourth Shift

*Things you don't know...*

## Add shortcuts on the Fourth Shift Toolbar

On the Toolbar follow this menu path:

**Fourth Shift GUI\Options\Customize Toolbar**





# #3

## Fourth Shift

*Things you don't know...*

## Defaults in Fourth Shift

Modify these defaults so every field will have standard information when a new one is created!

DEFAULT-ITEM

DEFAULT-ORDER – One for CO, MO, and PO

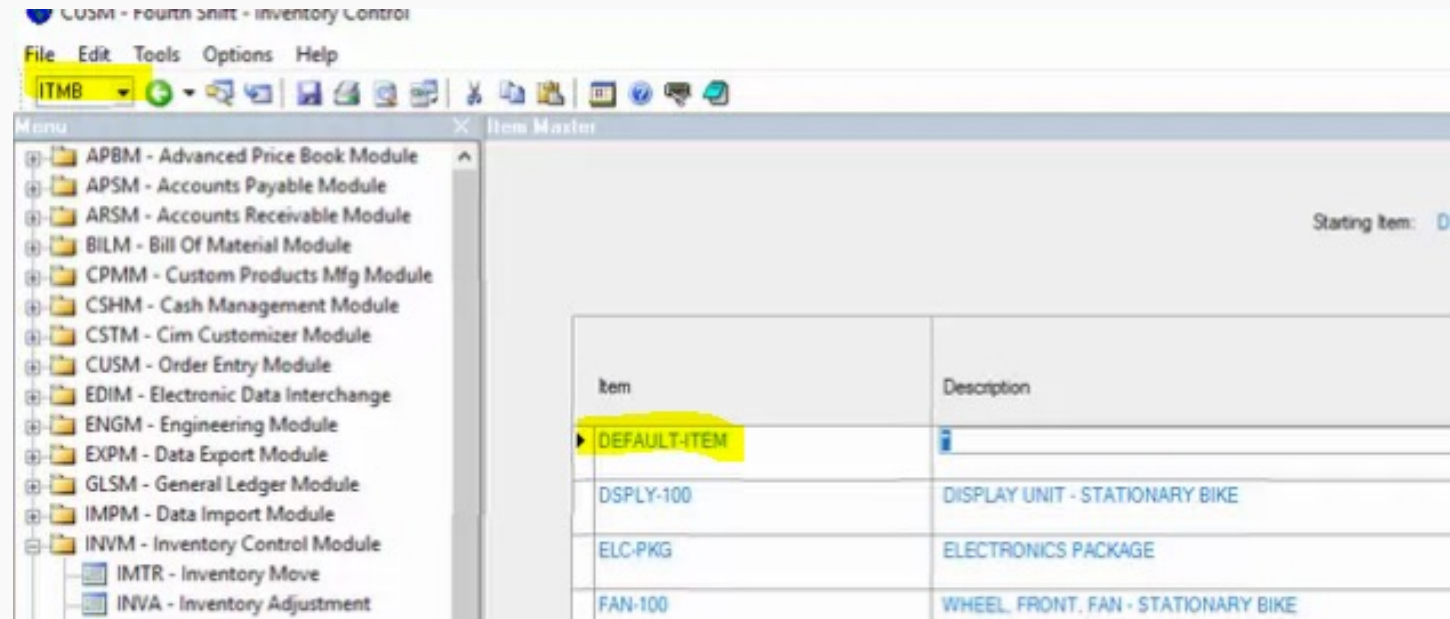
DEFAULT-INVOICE

DEFAULT-CR-MEMO

DEFAULT-WALK-IN

DEFAULT-VENDOR

DEFAULT-CUSTOMER



# #4

## Fourth Shift

*Things you don't know...*

### Reqst Dlvry on COMT Line-Item Detail

The original delivery date requested by the customer

\*\*Not used by MRP\*\*

This can be used for reporting to determine actual original requested date vs how it was modified to accommodate production

The screenshot shows the 'Standard Product Detail' window in SAP. The window title is 'Standard Product Detail'. The main content area displays the following information:

Customer	
Co Number	Id
CO 03	100025

Ln#	L
001	C

Ln#	Typ	S	Item
001	C	S	19-BLACK

Tax Exempt:  Fed:  N

Commission Code:  Ovr:

Price Adjustment:  S/D:

Reqst Dlvry:

Conv  Order Qty  Um



# #5

## Fourth Shift

*Things you don't know...*

### Original Prom on POMT Line-item Detail

The original promise dock date by the vendor

**\*\*Not used by MRP\*\***

This can be used for reporting to determine actual original requested date vs how it was modified by Vendor

The screenshot shows the SAP POMT Line-item Detail for Vendor Name DU BRIDGE CHEMICALS. The 'Prom' field is highlighted in yellow and contains the value 042321. The 'Dock' field is also highlighted in yellow and contains the value 042321. The 'Item' field is empty. The 'Rev' field is empty. The 'Total Lines' is 1 and the 'Rounding' is 0. The 'Amount' is 6125.000 and the 'Start' is .000.

Field	Value
Vendor Name	DU BRIDGE CHEMICALS
Total Lines	1
Rounding	0
Item	
Rev	
Prom	042321
Dock	042321
Amount	6125.000
Start	.000

# #6 & 7

## Fourth Shift

*Things you don't know...*

## Gateway WC on ITMB Planning Detail

Useful to track MO progress against Routing

Work Center Backflushing – Stock Room = 'WC'

Visible on IORD and ORST inquiry screens

The screenshot shows the SAP Item Master Planning Detail for item 19-BLACK (Description: 19" FRAME, BLACK). The routing parameters are as follows:

Pin	Buyr	Pol	Run	Fix	Insp
AAB	BYR	M	5	0	0

Other parameters shown include: Stk: Bn, Preferred Loc: PN 200, Fcat Cd: 0, Yield: 90 %, Dec Pre Cd: 0, and Gateway Wc: PAINT (highlighted in yellow).

## Customer Order (COMT) Forecast Lines

IF All lines on the order are a Forecast Status – press Ctrl+F6 in the order header and header with all lines deleted by one transaction



# #8

## Fourth Shift

Things you don't know...

## LOCN – Location Index within Shop Floor

See all supplies for a multi-level BOM

Double-Click a component to see status of Open and Released supply orders

Double-Click on Make supplies to see the work-center progress of the order – dependent on work-centers created using WC[\*] format

The screenshot displays the SAP Shop Floor Tracking and Reporting interface. The main window shows a BOM for '19-FRAME'. The parent component is '19-BLACK' and the description is '19" FRAME, BLACK'. The BOM structure is as follows:

Level	Component	Quantity	Qty On Hand	Qty Alloc	Qty Insp+Hold	Qty On Order	Description	UM	Com Typ
0	19-BLACK		695303	8823	475	664	19" FRAME, BLACK	EA	
1	WC[R]PAINT	0.05	0.00	378.98	0.00	0.00	FRAME PAINTING	HR	R
1	19-FRAME	1	30	31	0	0	FRAME UNPAINTED	EA	P
2	WC[R]FAB	0.05	0.00	19160.36	0.00	0.00	FRAME FABRICATION	HR	R
2	AT-100	1.5	21.03	75273.59	0.00	1028.00	ALUMINUM TUBE - 5/8"	FT	N
2	AT-200	3.2	7847.16	169090.83	0.00	2205.00	ALUMINUM TUBE - 1"	FT	N
2	AT-300	2.2	10184.46	108045.87	0.00	1428.00	ALUMINUM TUBE - 1"	FT	N
2	AT-400	1.45	9406.50	70839.08	0.00	1045.00	ALUMINUM TUBE - 1"	FT	N
2	AT-SCRAP	0.15	360.82	0.00	10.44	6459.15	ALUMINUM TUBE	LB	B

A pop-up window titled '19-FRAME - Status of Open/Released Orders' is shown, displaying a table of supply orders:

OS	Order No	Ln#	Ln# Typ	Ln# Sta	Open Qty	Start Date	Need Date	Sched Date	Source Id	Source Name
M	MO 05	1	M	4	2	10/24/2017	12/31/2019	10/25/2017		
M	MOBASE031308000008	1	M	3	10	3/17/2008	12/31/2019	3/24/2008		
M	MOBASE080521000001	2	M	4	0	7/30/2021	12/31/2019	8/6/2021		
M	MOBASE080608000012	1	M	4	0	8/14/2008	12/31/2019	8/21/2008		
M	MOBASE110107000004	1	M	4	8	11/13/2007	8/6/2021	11/20/2007		

# #9

## Fourth Shift

*Things you don't know...*

### PLNG Task Parameters

Default (no parameter) = Net Change Calculation

**R** – Regeneration

Removes the old plan and completely recalculates a new plan

**F** – Plan Full Lot Size

Round all planned orders based on an item's lot size quantity on ITMB

**L** – Stop After Processing One Level

Stop at each level and manually adjust requirements before repeating the calculation on the next level – only for Net Change Planning Methods

**X** – Extended Calculation

Perform MRP calculations using Full Precision



# #10

## Fourth Shift

*Things you don't know...*

## Using Available to Promise (ATP) on COMT

Enter the Order Qty for a Line Item then press Alt-F4 on the Dlvry field  
A window appears showing the date that the Order Qty is available

The screenshot shows the SAP Customer Order window for item 19-BLACK. The ATP (Available to Promise) data is displayed as follows:

Item	Description	Mb
19-BLACK	19" FRAME, BLACK	M

Cust Dmds:	6759.900	Lead Time	Inv Cd
Mfg Dmds:	111.000	Run	On Hand= 0
Plan/Firm:	220.000	5	Insp= 1
On Order:	664.000	0	Ship= S
		0	Hold= H
Atp Qty:	400		Internal Wip=
			External Wip=
			Total=
			Allocations=

Cum Atp	Atp Date
689694.9	092022

ORDER QTY IS AVAILABLE ON 092022

# #11

## Fourth Shift

*Things you don't know...*

## Using Available to Promise (ATP) on COMT

Enter the Dlvry Date for a Line Item then press Alt-F4 on the Order Qty field. A window appears showing the Quantity available on the entered Dlvry Date field.

The screenshot shows the 'Customer Order' ATP window. The main data area displays the following information:

Item	Description
19-BLACK	19" FRAME, BLACK

Cust Dmds:	6759.900	Lead Time		
Mfg Dmds:	111.000	Run	Fix	Insp
Plan/Firm:	220.000	5	0	0
On Order:	664.000			

Atp Qty:	Cum Atp	Atp Date
	689776.9	092022

A yellow highlight at the bottom of the window reads: **689776.9 AVAILABLE ON 092022**

# #12 & 13

## Fourth Shift

Things you don't know...

## Two-level Forecasting and Consumption

Planning BOM – Spread forecast

Production Planning

Family Group Name

Forecast Consumption Codes – 0 and 1

## New fields on Item Master Planning Detail

Last Inventory Consumed Date & Last Inventory Transaction Date

The screenshot displays the SAP Item Master Planning Detail for item 13-BLACK (13' FRAME, BLACK). The form includes the following fields and values:

- Item: 13-BLACK, Description: 13' FRAME, BLACK
- Unit: EA, Revision: M N A N N 3, Material Type: Y
- Forecast Code: 0, Demand Forecast: 000
- Purchase Order Autoclose Tolerance: 0 %
- Manufacturing Order Autoclose Tolerance: 0 %
- Last Inventory Consumed Date: 050222
- Last Inventory Transaction Date: 050222



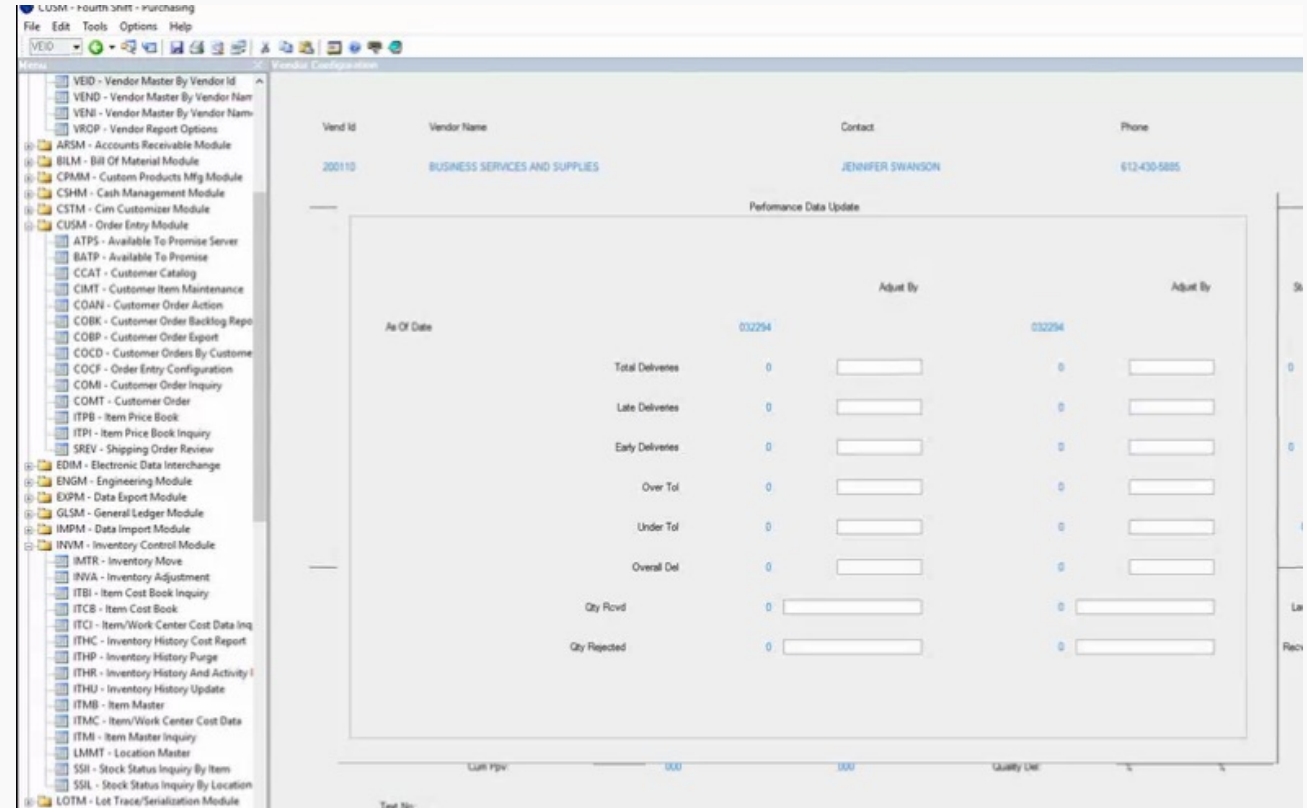
# #14

## Fourth Shift

*Things you don't know...*

## VEND/VEID – Vendor Performance Update

After selecting a vendor then pressing Alt-F8 twice a window opens that permits changes to be made to performance counts like late/on-time delivery and over/under variance.



Vendor/Item specific performance updates can be done using the same process on VEID/VDIT

# #15

## Fourth Shift

Things you don't know...

## CUID Shipping Restrictions

Partial Shipment indicator is used by the Automated Shipping feature, not manual SHIP, but can be used by Workplace, MFGStream, and VisiBar. Over Shipment can be blocked, confirmed, or warned.

Customer Master **Name/Address Detail** Financial Detail Intrastat Config

**CUID** Reports Tools Help

Cust Id	Name/Address	Contact	Phone	Csr
100010	COLORADO BIKE AND SKI	FRANCISCO CORREIA	303-410-7005	110

Addr: 62 BASELINE DRIVE

City: DENVER St: CO

Zip: 80223 C: USA

Ship Id: 000000 Ship To Name/Address: COLORADO BIKE AND SKI

Addr: 62 BASELINE DRIVE

City: DENVER St: CO

Zip: 80223 C: USA

Contact: E-Mail: Region Code: WST

Print: Format: Language:

Ship To Taxes

Exmpt:  N Certificate No:

Fed:  Rate: St:  Rate:

Cnty:  Rate: Muni:  Rate:

**Partial Shipment:**  N Frt Charge Code: 1

Price Adj: S/D:  D 0 % Com Cd: 110

Text No:

Acct Contact: ANTONIA LANGA Acct Phone: 303-410-7006

Bill To: COLORADO BIKE AND SKI

Addr: 62 BASELINE DRIVE

City: DENVER St: CO

Zip: 80223 C: USA

Fax #: 303-410-7004

Cust Class: 0 6 M

--- G/L Accounts ---

Sales: A/R: Freight: 01-00-00-73500 Cogs:

Over Ship Enforcement For Cust Ord: Cust Ord Over Ship Tolerance:

0 = No Warning
1 = Warning Only
2 = Confirm
3 = Transaction Not Allowed

# #16

## Fourth Shift

*Things you don't know...*

## GLCF/GLCA Settings

You can now determine whether an account number can be used for INVA's or for G-type PO's

If either GLCF option is set to 'Y' then only accounts with a similar setting on GLCA Account Attributes will be valid for the transactions.

The screenshot displays the 'GLCF' configuration window within the 'CUSM - Fourth Shift - System Control' application. The window title is 'GLCF' and it has a menu bar with 'File', 'Edit', 'Tools', 'Options', and 'Help'. The main area is divided into a left-hand tree view and a right-hand configuration panel.

**Left Panel (Tree View):**

- ITCB - Item Cost Book
- ITCI - Item/Work Center
- ITHC - Inventory History
- ITHP - Inventory History
- ITHR - Inventory History
- ITHU - Inventory History
- ITMB - Item Master
- ITMC - Item/Work Cente
- ITMI - Item Master Inquir
- LMMT - Location Master
- SSII - Stock Status Inquir
- SSL - Stock Status Inquir
- LOTM - Lot Trace/Serializati
- MCMM - Multi-Currency M
- MGRM - Management Repor
- MMAM - Manufacturing An
- MOMM - Manufacturing On
- MRPM - Mrp Module
- OPFM - Operations Perform
- PRCM - Product Costing Me
- PURM - Purchasing Module
- DOAN - Buyer Action Bu

**Right Panel (Configuration):**

- Unit No: 001
- Periods: 12
- Cur Per: 10 - 17
- Bdgt Prd 13: N
- Posting Error Handling: R
- Mfg To G/L Error Handling: N
- Mfg To G/L Trans Limit: Y
- Validate Po Exp: Y
- Validate Inv Adj: Y
- Last Batch No: 000563
- Acctg: [ ]
- Facial Year End Dates: [ ]
- Period: 2017, 2018, 2019



# #17

## Fourth Shift

*Things you don't know...*

## Operations Performance Module

IPPD – Item Planning Percentages

LSDA – Lot Size Days Analysis

OPCF – Operations Performance Configuration

OPMA - Operations Performance Monthly Analysis

PSCP – Probable System Communication and Performance

The screenshot shows the SAP IPPD configuration interface. The left sidebar lists various modules, with 'OPPFM - Operations Performance' expanded to show 'IPPD - Item Planning Parameters'. The main window displays the configuration for item '151BLACK'. The 'Order Policy' is set to '3, 4'. The 'Last Optim Data Loaded' is '07/21/22'. The 'Lead Time' is '1' day. The 'Projected Item Results' table shows the following data:

Category	Value	Unit	Value	Unit
Messages/Year	500		0	500
Setups/Year	250		0	250
Stockout Exposures/Year	250		0	250
Item Turns/Year	500		0	500

The 'Projected Item Results' table is cumulative. The 'Lot Size Day' is set to 1, and the 'Lot Size Qty' is 0. The 'Safety Stock' is 0, and the 'Lot Size Min' and 'Lot Size Mult' are also 0.

# #18

## Fourth Shift

*Things you don't know...*

## GLJE

Alt-F4 on GLJE Header displays GL Recap

The screenshot shows the SAP GLJE (General Ledger Journal Entry) interface. The left pane displays a tree view of SAP modules, with GLJE selected. The right pane shows the GLJE header information and a GL Master Account Recap table.

Batch Information:

- No: 000563
- Type: C
- Status: S
- Reversal: N
- Source Code: SHPC
- Total: 110.634
- Description: SHIP CUSTOMER ORDER

GL Master Account Recap

Starting Master Account No:

Master Account No	Debits	Credits
01-00-00-12200	0.000	110.634
01-00-00-51100	83.422	0.000
01-00-00-51200	9.122	0.000
01-00-00-51300	18.134	0.000
01-00-00-51400	0.016	0.000

# #18

## Fourth Shift

Things you don't know...

## AR Receipt

This can be reversed using Alt-R on ARCD regardless what period the receipt occurred

## Payment Detail

Alt-F4 on ARIC, ARPH, APIV, and APPH displays payment or invoice detail

The screenshot shows the SAP ARIC interface. The left pane displays a tree view of modules, with ARIC - A/R Invoices By Customer selected. The right pane shows the 'A/R Invoice Payment Detail' for Customer ID 100010, Name COLORADO BIKE AND SKI, and Acct Contact ANTONIA LANGA. The invoice number is 001007. Below this, a table lists payment details.

Reference No	Date	Bank No	Amount	Total
M ARBASE113007-10-2	11/30/07	AA	1,000,000	
M ARBASE123107-10-1	12/31/07	AA	1,000,000	
M ARBASE013107-1	01/31/08	AA	1,000,000	



# #19 & 20

## Fourth Shift

*Things you don't know...*

## Workplace Keyboard Shortcuts

**Go To Function:** Home+Home = Ctrl-G

**Open Browse Window:** Alt-F4 = Ctrl-B

**Add Detail Line:** F6 = Ctrl-A

**Delete Detail Line:** Ctrl-F6 = Ctrl-D

**Detail Screens/Tabs:** Ctrl-[1, 2, 3, etc] = F8, Alt-F8, F9, etc

## Moving Staged Stock Between Locations

Since 8.0, stock can be moved between staging locations. Must enable in COCF. All quantity for the line must be moved to the same location

### Inventory Move

IMTR



Reports ▾

Tools ▾

Help ▾

From Loc

To Loc

If Order Related

Item	Stk	Bin	I C	Quantity	Stk	Bin	I C	O S	Order No	Ln#
→ 19-FRAME	01	SHIP1	S	5	01	SHIP2	S	C	CO-12345	001
Doc:		Lot: 1234			Lot: 1234					

→

→



# Questions?

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