CISTECH
The MAPICS Experts

Moving Forward with XA

Sites

Enterprise Product Data Management

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What is a Site?

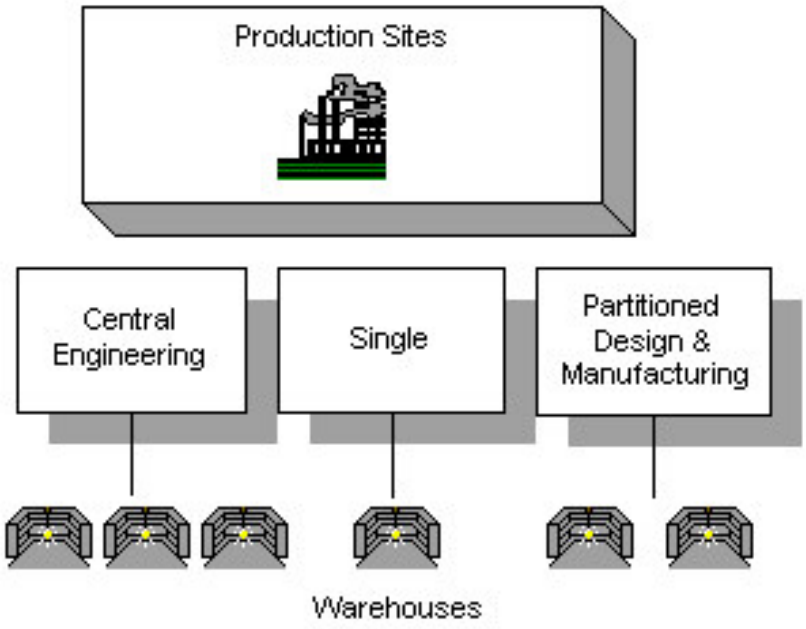
- A high level segregation object in MAPICS
- Enables grouping of Item Revisions that are not available to all departments or locations
- Enables Item Revisions to have different characteristics for different departments or locations
- Can be physical locations or virtual

Sites – Two Main Types

- Production Sites
  - Different Physical Location (USA & UK)
  - Research & Development (works in progress)
  - Manufacturing Engineering (adding the routing)
  - Production Floor (making the items)
- Simulation Sites
  - “What if” simulation
  - More in a few minutes

Sites Separate Engineering Records

- Central Engineering serving multiple plants
- Engineering for a specific plant or warehouse
- Separate design engineering from manufacturing



Warehouses are assigned to a Site

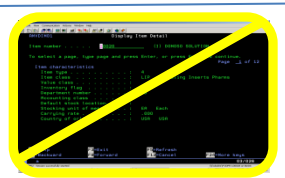
(98) Sites

File Display Maintain Customize Navigation Help

General (all records)

Sites

Site	Description	Sim	Cur cost	Std cost	Cur simulation	Std simulation	Last analysis
CA	Arrow Canada	No					04/23/2011 12:02 AM
EU	Arrow EU	No					04/23/2011 12:02 AM
NJ	Arrow Production	No	02/02/2011	03/31/2011		09/16/2009	04/23/2011 12:02 AM
UK	Arrow UK	No					04/23/2011 12:02 AM



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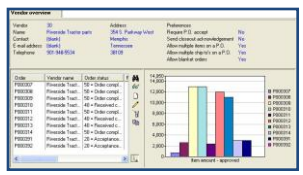


Warehouses belong to a Site

(98) Site - NJ Arrow Production

File Display Maintain Customize Navigation Help

Default

NJ Arrow Production

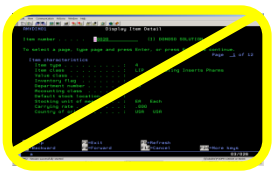
Description	Arrow Production	Simulation site	No
Security group	9999	Monitor status	Inactive
Shop activity history	Yes	Last analysis	04/23/2011 12:02 AM
Created by	FRANK 01/25/2006 4:19 PM	Replication destination	(blank)
Changed by	FRANK 06/30/2006 12:33 PM		

General
Job/Report Settings
Costing
Items
Facilities

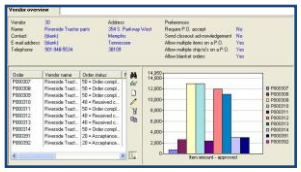
Warehouses

Whs	Description	Type	Planning	Selling	Planning warehouse
1	ARROW	Controlled	Yes	Yes	1
1T	IN TRANSIT - WHSE 1	Controlled	No	No	1
10	ISL TEST WAREHOUSE	Controlled	Yes	Yes	10
2	NORTH CAROLINA DISTRIBUTION	Uncontrolled	Yes	Yes	2
2T	LIBERTY HARDWARE MFG CO.	Controlled	No	No	1
3	WEST COAST DISTRIBUTION	Uncontrolled	Yes	Yes	3
3T	LIBERTY IN-TRANSIT WCDC	Controlled	No	No	1
8	ARROW CANADA - BRANT	Uncontrolled	Yes	Yes	8
8T	ARROW CANADA - IN TRANSIT	Controlled	No	No	1

Continue Help



Moving Forward with XA



Facilities belong to a Site

(98) Site - NJ Arrow Production

File Display Maintain Customize Navigation Help

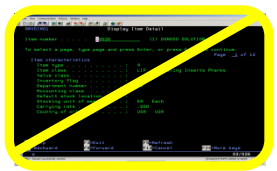
Default

NJ Arrow Production

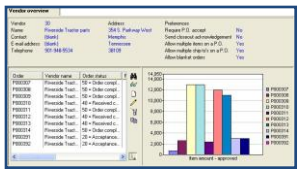
Facility	Description	Dept	Foreman	Labor resource	Machine resource	Type	Prime load code
AFHT	ALLAN FINISHING HEAT TREAT	999	CC				0
AFPL	ALLAN FINISHING PLATING	999	BK				0
AFPLC	CHROME PLATING SYSTEM	205	BK				1
AFPLN	NICKEL PLATING SYSTEM	205	BK				1
AFPT	ALLAN FINISHING PAINTING	200	SC				4
AMHT5	MACHINE ASSEMLY	140	FLR				4
AM50	T50 MACHINE ASSEMBLY	140	CS				4
ETF	ETFX50/ETF50BD/ETF50BN MAC...	140	FLR				4
HTRT	HEAT TREAT	210	SC				1
HT50	HT50/HTX50 MACHINE ASSEMBLY	140	FLR				4
HT50R	HT50IRED MACHINE ASSEMBLY	140	FLR				4
JT21	JT21 MACHINE ASSEMBLY	140	CS				4
OSHT	OUTSIDE HEAT TREAT	999					0
OSPL	OUTSIDE PLATING	999					0
OUT	OUTSIDE SERVICES	999					0
PRESS	PRESS ROOM	125	MK				4
PSPRO	PS PRO MACHINE ASSEMBLY	140	FLR				4
PS01	PS01 PRODUCTION LINE	140	CS				4
PS02	PS2 MACHINE ASSEMBLY	140	CS				4
P030	30 TON PRESS	125	MK				4
P035	35 TON PRESS	125	MK				4
P045	45 TON PRESS	125	MK				4
P060	60 TON PRESS	125	MK				4
P075	75 TON PRESS	125	MK				4

General
Job/Report Settings
Costing
Items
Facilities

Continue Help



Moving Forward with XA



Costing Labor Rates are Site Specific

(98) Site - NJ Arrow Production

File Display Maintain Customize Navigation Help

Default

NJ Arrow Production

Simulation site No

Last current costed date 02/02/2011 Last current simulation date (blank)
Last standard costed date 03/31/2011 Last standard simulation date 09/16/2009

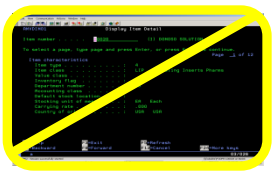
General
Job/Report Settings
Costing
Items
Facilities

Code	Rate	Description
A	12.500	Production Line
B	18.750	Machinist
C	10.250	Clerical
D	0.000	
E	0.000	
F	0.000	
G	0.000	
H	0.000	
I	0.000	
J	0.000	

Labor | Manufacturing Overhead | Purchase Overhead

Continue Help

Pending



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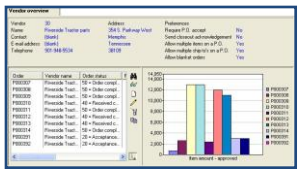

Manufacturing Rates are Site Specific

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(98) Site - NJ Arrow Production

File Display Maintain Customize Navigation Help

Default

NJ Arrow Production

Simulation site No

Last current costed date 02/02/2011 Last current simulation date (blank)
Last standard costed date 03/31/2011 Last standard simulation date 09/16/2009

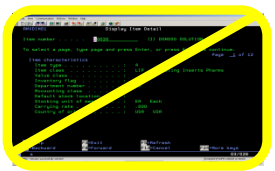
General
Job/Report Settings
Costing
Items
Facilities

Code	Percent	Rate	Description
K	135.00	0.000	General Plant
L	195.00	0.000	Heat Treat Department
M	0.00	0.000	
N	0.00	0.000	
O	0.00	0.000	
P	0.00	0.000	
Q	0.00	0.000	
R	0.00	0.000	
S	0.00	0.000	
T	0.00	0.000	

Labor | Manufacturing Overhead | Purchase Overhead

Continue Help

Pending



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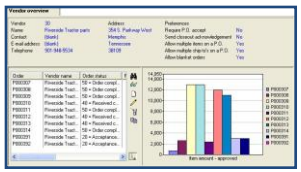


Pur Overhead Rates are based on Site

(98) Site - NJ Arrow Production

File Display Maintain Customize Navigation Help

Default

NJ Arrow Production

Simulation site No

Last current costed date 02/02/2011 Last current simulation date (blank)
Last standard costed date 03/31/2011 Last standard simulation date 09/16/2009

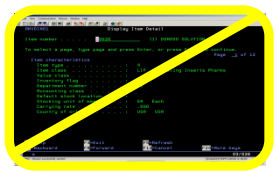
General
Job/Report Settings
Costing
Items
Facilities

Code	Percent	Description
A	2.00	
B	4.00	
C	5.00	
D	6.00	
E	7.00	
F	8.00	
G	10.00	
H	13.00	
I	18.00	
J	20.00	
K	25.00	
L	29.00	
M	34.00	
N	41.00	
O	46.50	
P	67.00	
Q	77.00	
R	167.00	

Labor | Manufacturing Overhead | Purchase Overhead

Continue Help

Pending



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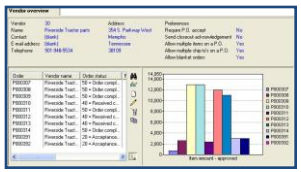

Sites - Items & Item Revisions

- PDM – No Sites
  - Items are unique

- EPDM – Sites (One or Multiple)
  - Same Item can be in multiple Sites
  - Same Item can have multiple Revisions
    - Site
    - Item
    - Revision

} All 3 required to define unique Item Revision

Items & Item Revisions

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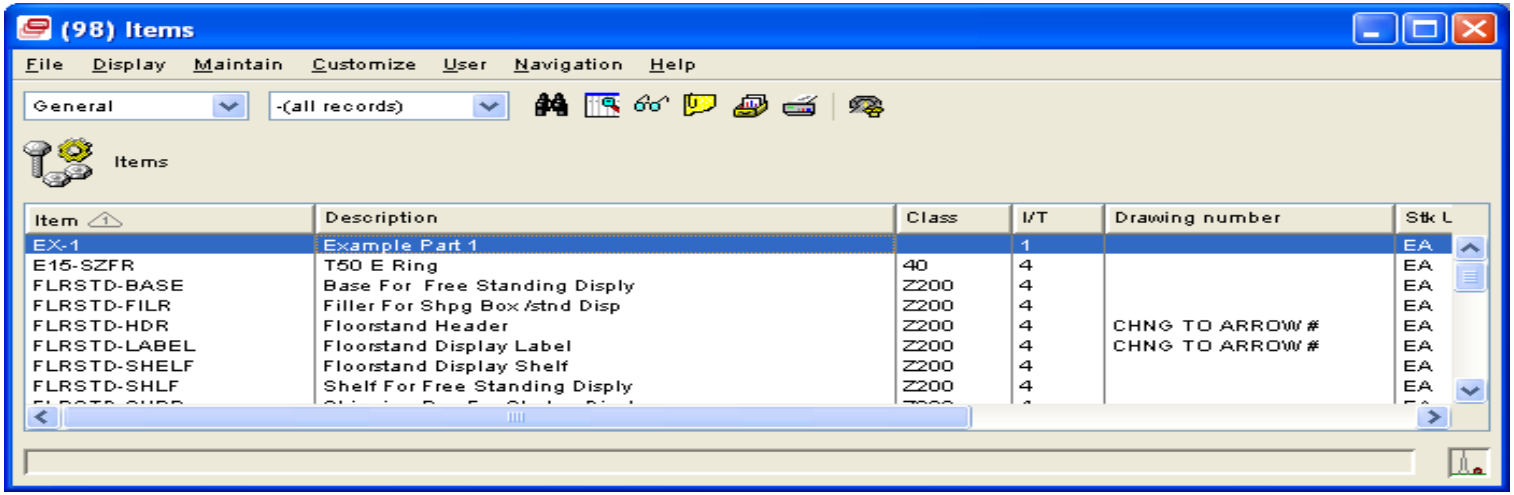
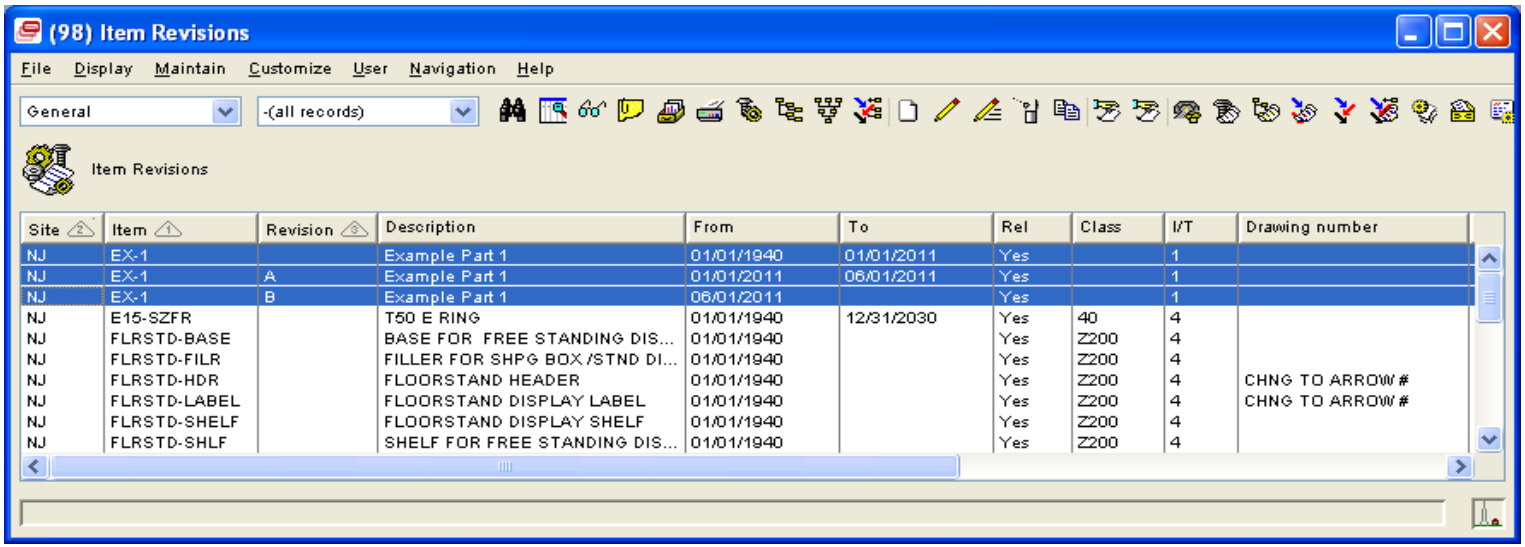
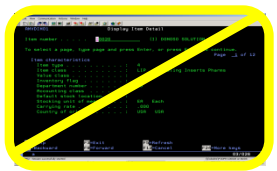


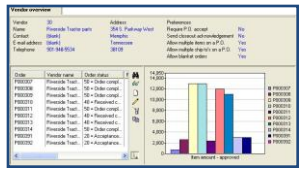
Item	Description	Class	I/T	Drawing number	Stk L
EX-1	Example Part 1		1		EA
E15-SZFR	T50 E Ring	40	4		EA
FLRSTD-BASE	Base For Free Standing Disply	Z200	4		EA
FLRSTD-FILR	Filler For Shpg Box /stnd Disp	Z200	4		EA
FLRSTD-HDR	Floorstand Header	Z200	4	CHNG TO ARROW #	EA
FLRSTD-LABEL	Floorstand Display Label	Z200	4	CHNG TO ARROW #	EA
FLRSTD-SHELF	Floorstand Display Shelf	Z200	4		EA
FLRSTD-SHLF	Shelf For Free Standing Disply	Z200	4		EA



Site	Item	Revision	Description	From	To	Rel	Class	I/T	Drawing number
NJ	EX-1		Example Part 1	01/01/1940	01/01/2011	Yes		1	
NJ	EX-1	A	Example Part 1	01/01/2011	06/01/2011	Yes		1	
NJ	EX-1	B	Example Part 1	06/01/2011		Yes		1	
NJ	E15-SZFR		T50 E RING	01/01/1940	12/31/2030	Yes	40	4	
NJ	FLRSTD-BASE		BASE FOR FREE STANDING DIS...	01/01/1940		Yes	Z200	4	
NJ	FLRSTD-FILR		FILLER FOR SHPG BOX /STND DI...	01/01/1940		Yes	Z200	4	
NJ	FLRSTD-HDR		FLOORSTAND HEADER	01/01/1940		Yes	Z200	4	CHNG TO ARROW #
NJ	FLRSTD-LABEL		FLOORSTAND DISPLAY LABEL	01/01/1940		Yes	Z200	4	CHNG TO ARROW #
NJ	FLRSTD-SHELF		FLOORSTAND DISPLAY SHELF	01/01/1940		Yes	Z200	4	
NJ	FLRSTD-SHLF		SHELF FOR FREE STANDING DIS...	01/01/1940		Yes	Z200	4	



Moving Forward with XA



Unique Item Revisions – Site Dependent

Requires a unique combination of Site, Item, & Revision

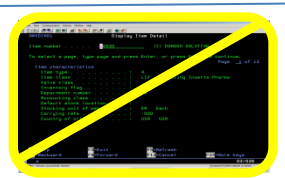
(98) Item Revisions

File Display Maintain Customize User Navigation Help

General -(all records)

Item Revisions

Site	Item	Revision	Description	From	To	Rel	Class	I/T	Drawing number
NJ	EX-1		Example Part 1	01/01/1940	01/01/2011	Yes		1	
NJ	EX-1	A	Example Part 1	01/01/2011	06/01/2011	Yes		1	
NJ	EX-1	B	Example Part 1	06/01/2011		Yes		1	
UK	EX-1		Example Part 1	01/01/1940	03/01/2011	Yes		1	
NJ	E15-SZFR		T50 E RING	01/01/1940	12/31/2030	Yes	40	4	
NJ	FLRSTD-BASE		BASE FOR FREE STANDING DIS...	01/01/1940		Yes	Z200	4	
NJ	FLRSTD-FILR		FILLER FOR SHPG BOX /STND DI...	01/01/1940		Yes	Z200	4	
NJ	FLRSTD-HDR		FLOORSTAND HEADER	01/01/1940		Yes	Z200	4	CHNG TO ARROW #
NJ	FLRSTD-LABEL		FLOORSTAND DISPLAY LABEL	01/01/1940		Yes	Z200	4	CHNG TO ARROW #
NJ	FLRSTD-SHELF		FLOORSTAND DISPLAY SHELF	01/01/1940		Yes	Z200	4	



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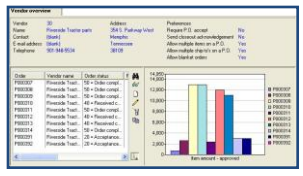


Site Influence on Item Revision

- Unique Item Revision requires a defined Site
- Cost of the Item Revision is based on Site rates

  (purchase overhead, labor, machine, etc.)
- Item Revisions are stored in Warehouses defined for the Site
- Item Revisions can be copied from one Production Site to another Production Site

  (one at a time or in mass)

Site Controlled Attributes

- Some attributes of Item Revisions are controlled at the Site level – a few at the Enterprise level
- If control exists at the Enterprise level, all revisions of an item across all Sites will have the same value for the attribute
- If control exists at the Site level, all revisions for that Site will have the same value for the attribute
- Prevents accidental change of the attribute when a new Item Revision is created

Controlled Attribute

Controlled at the Enterprise Level

(Common across all Sites)

- Stocking Unit of Measure (UNMSR)
- Inventory Code (INVFG)

Controlled Attribute

Controlled at the Site Level

- Batch/Lot Control (BLCF)
- Discrete Allocations (ALLOC)
- Inspect on Receipt (INTYP)
- Item Type (ITTYP)
- QC (Shelf Life) (QCTYP)
- Shelf Life Days (QCDAY)

New Object in R9: Item Site File

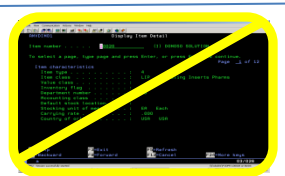
(HH) Sites

File Display Maintain Customize Navigation Help

General (all records)

Sites

Site	Description	Sim	Cur cost	Std cost	Cur simulation	Std sin
CA	Arrow Canada	No				
EU	Arrow EU	No				
NJ	Arrow Production	No	08/31/2010	09/20/2010		09/16/
UK	Arrow UK	No				



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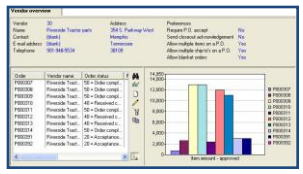
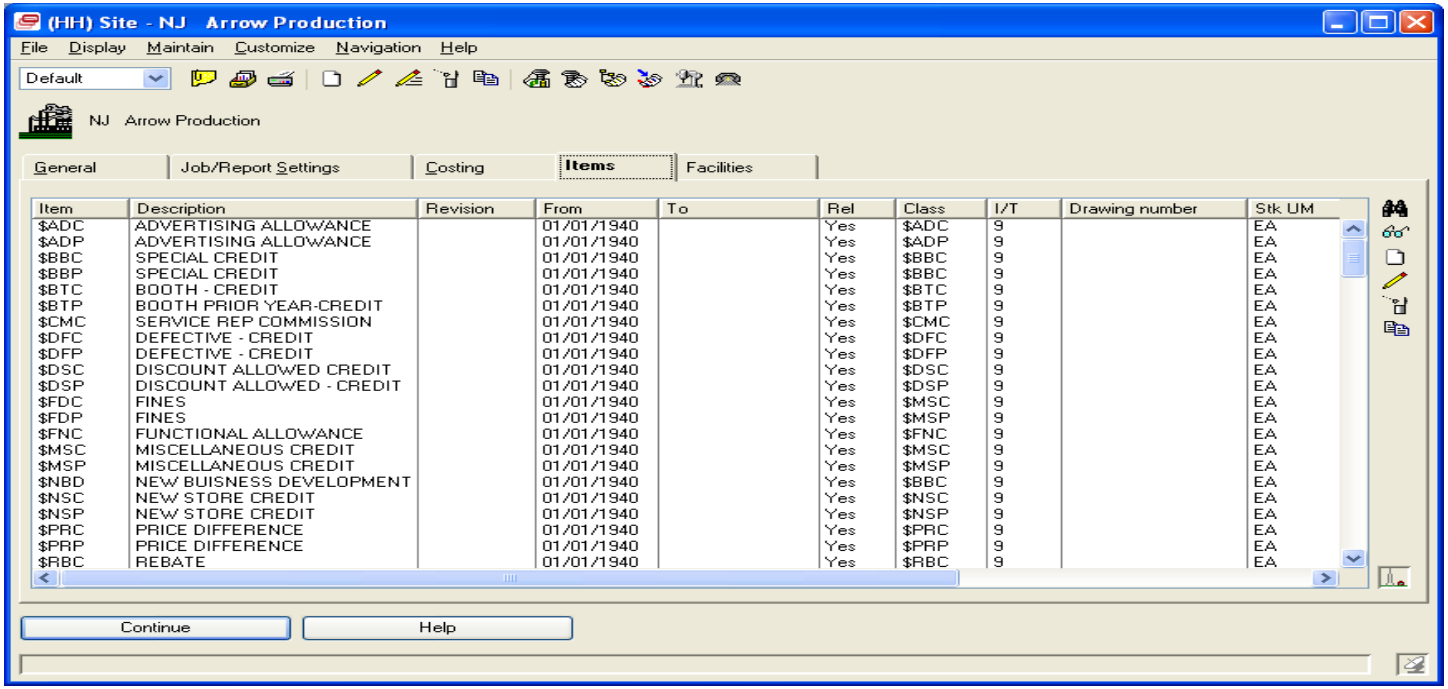


Item Site File

Only the current Item Revision (see 3/29/11 Tues Ed)

Item Revision used by PM, OBPM, CSM, IM, etc.



Simulation Sites

- Copied from a Production Site
- Typically a temporary Site used to run “what-if” scenarios and then deleted
- Used to determine cost changes based on multiple override values
- Simulate cost based on increases for new year
- Use to store cost for previous year

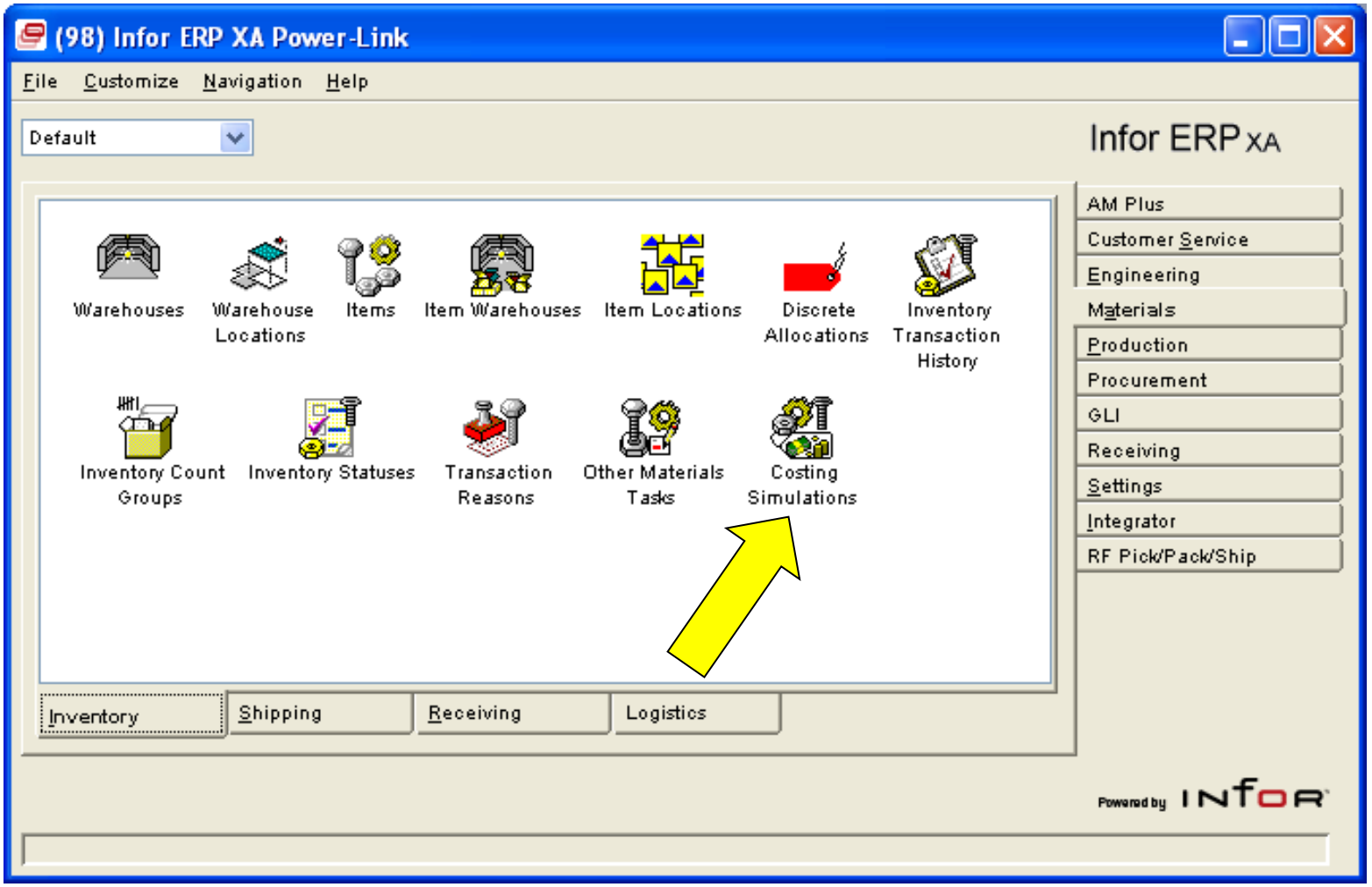
Simulation Site - Limitations

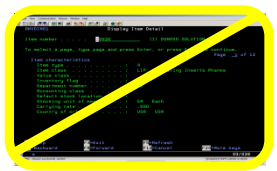
- Cannot copy Item Revisions from Simulation Site to another Site
- Cannot release Manufacturing Orders
- Cannot release Purchase Orders

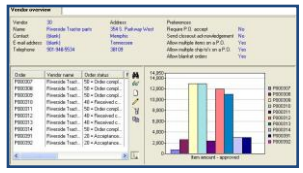
Cost Simulation object

- Effects only the selected Site
- Multiple runs
- Unrestricted choice of parameters
- Results saved
- Results visible via PowerLink

Cost Simulation object







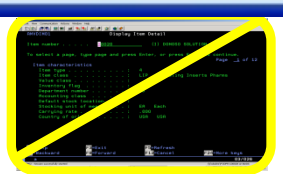
(AW) Costing Simulations

File Display Maintain Customize Navigation Help

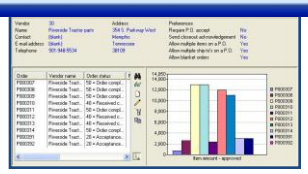
General (all records)

Costing Simulations

Site	Description	Eff date	Run type	Status	Run date	Run time
1	Labor +5 Overhead +6 Material +15	05/10/2005	Both	Complete	05/10/2005	12:30 PM
1	Labor +8 Overhead +6 Material +15	05/10/2005	Both	Complete	05/10/2005	12:32 PM
1	Labor +5 Overhead +8 Material +15	05/10/2005	Both	Complete	05/10/2005	12:36 PM
1	Labor +8 Overhead +8 Material +15	05/10/2005	Both	Complete	05/10/2005	12:39 PM
1	Labor +5 Overhead +8 Material +10	05/10/2005	Both	Complete	05/10/2005	12:44 PM
1	Labor +8 Overhead +6 Material +10	05/10/2005	Both	Complete	05/10/2005	12:47 PM
1	Labor +5 Overhead +6 Material +10	05/10/2005	Both	Complete	05/10/2005	12:49 PM
1	Labor +8 Overhead +8 Material +10	05/10/2005	Both	Complete	05/10/2005	12:54 PM



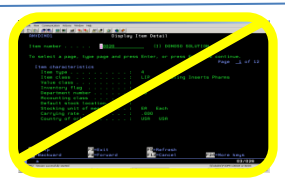
Moving Forward with XA

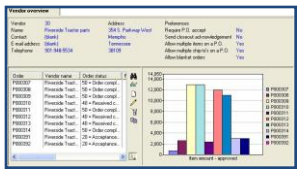


Cost Simulation Overrides

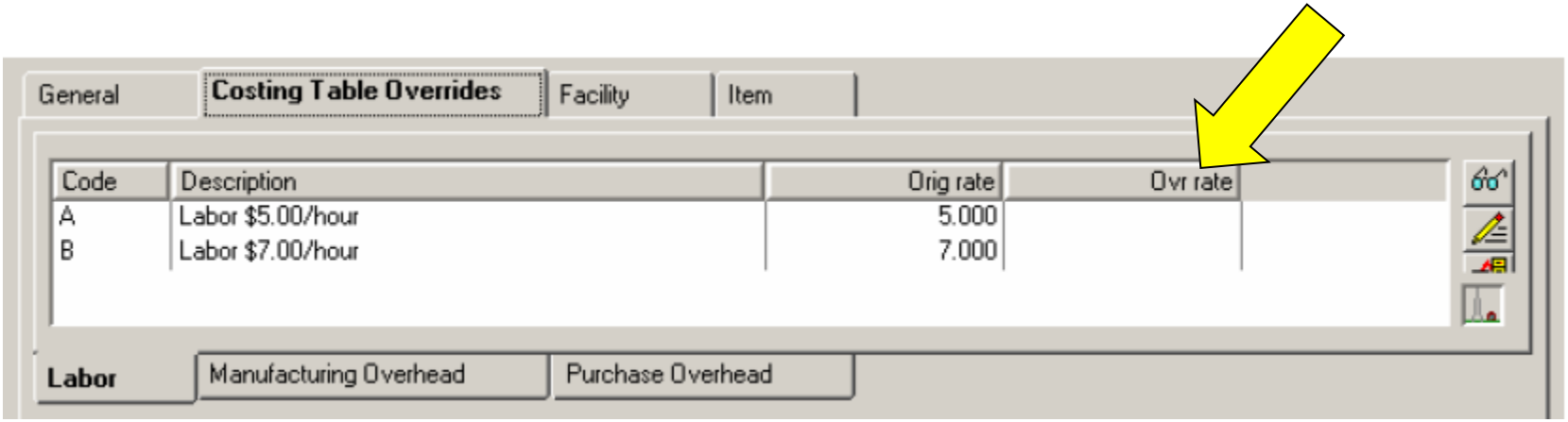
Any of the following can be overridden for the cost simulation

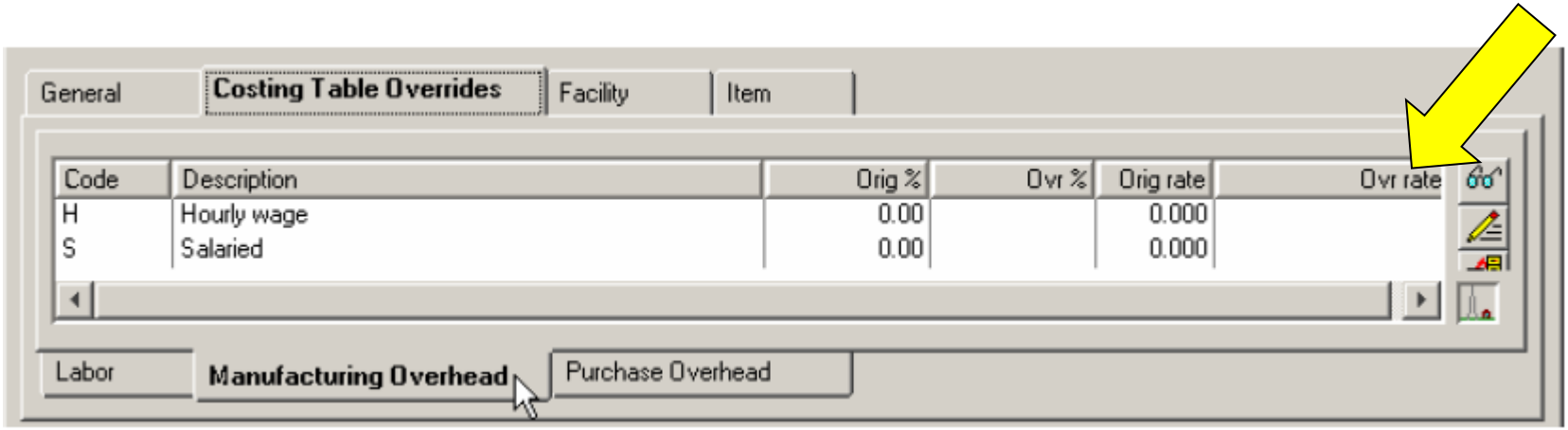
- Labor costing table
- Manufacturing overhead
- Facility class
- Facility
- Item class
- Item



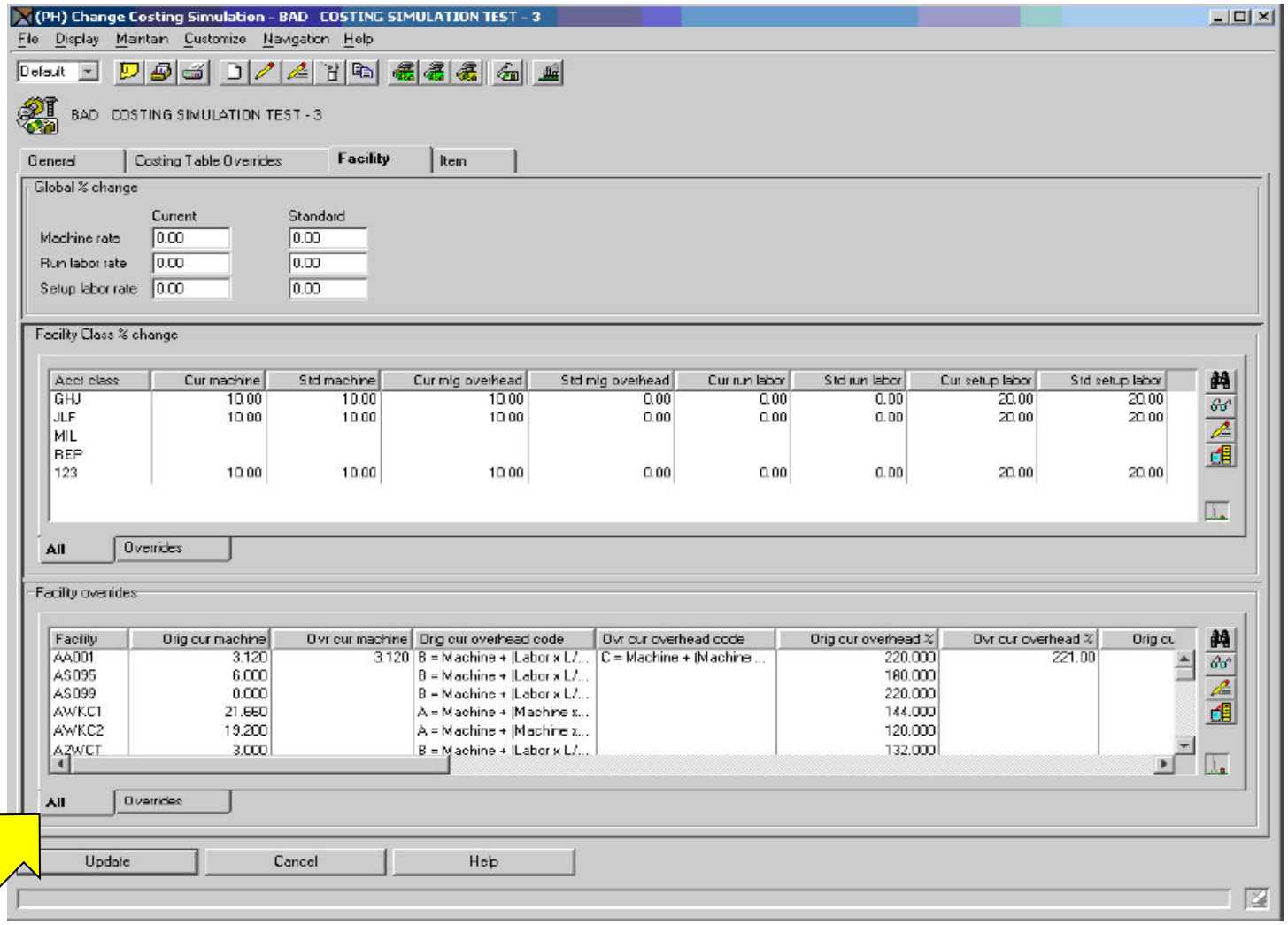


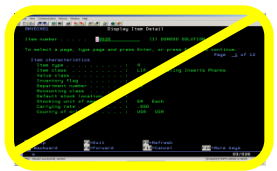
Labor & Manufacturing Overrides

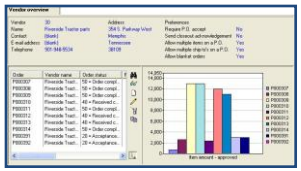




Facility Rate Overrides







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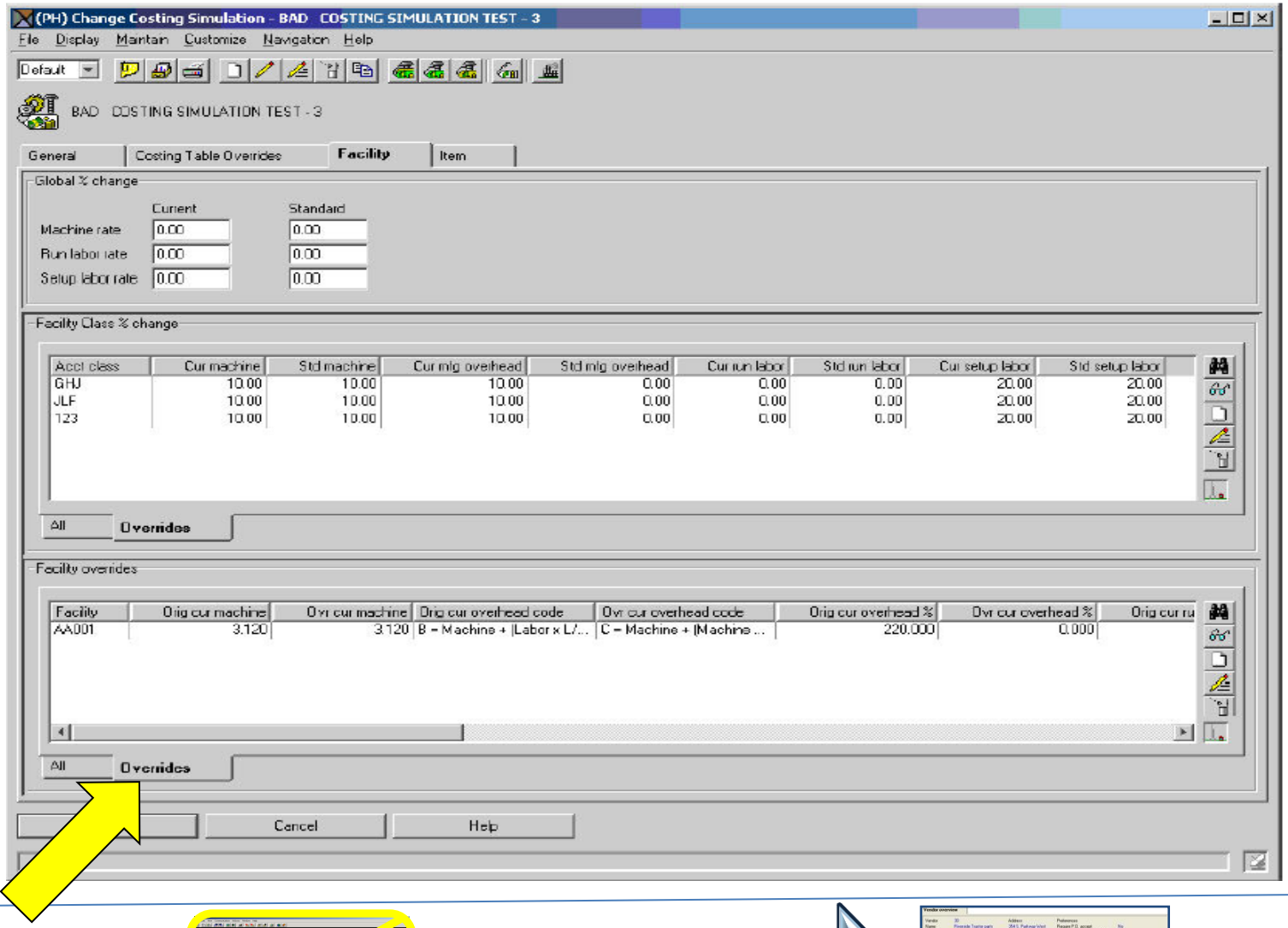
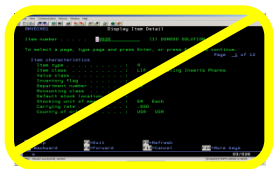
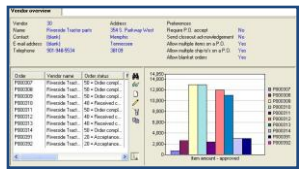
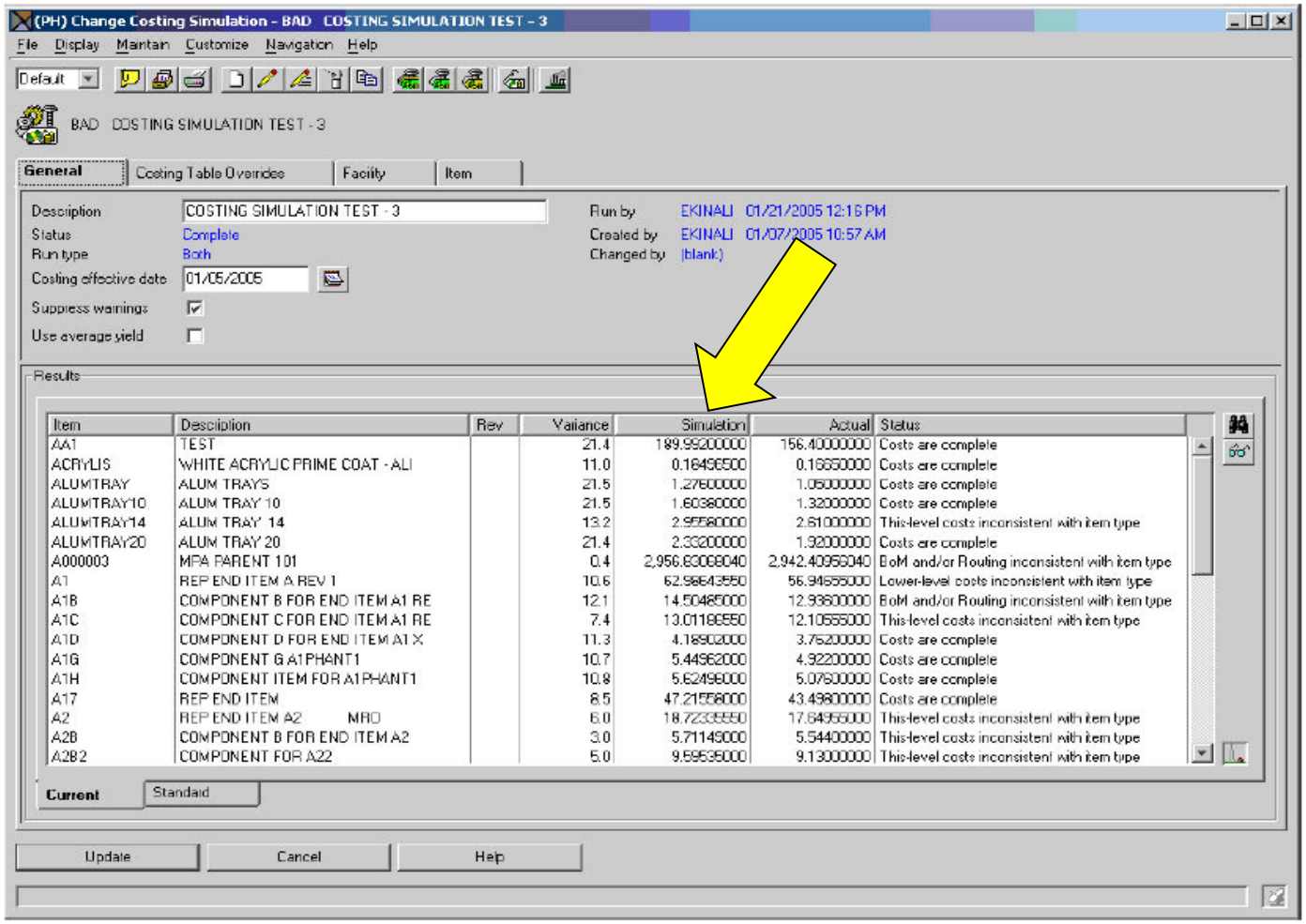


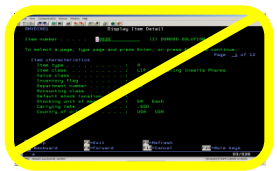


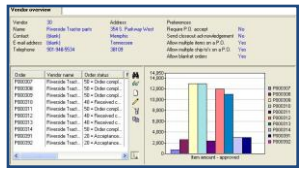
Moving Forward with XA



Simulation results







(PH) Costing Simulation Results - PRD Steel up 150%, electricity up 15%, labor up 10% Item: ...

File Display Maintain Customize Navigation Help

Default

PRD Steel up 150%, electricity up 15%, labor up 10% Item: 8500F Item revision:

General | Costing | **Current results** | Standard results

Total

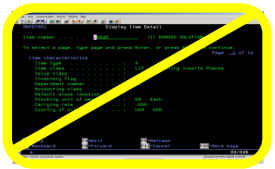
	Current	Simulation	Variance
Unit cost	7.8795	9.9412	26.2

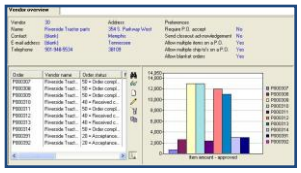
Detail

	Current this-level	Simulation this-level	Variance	Current lower-levels	Simulation lower-levels	Variance
Material	0.3450	0.8625	150.0	0.0000	0.0000	0.0
Outside operations	0.0000	0.0000	0.0	0.0000	0.0000	0.0
Purchase overhead	0.0345	0.0862	150.0	0.0000	0.0000	0.0
Setup labor	0.0000	0.0000	0.0	0.0000	0.0000	0.0
Run labor	3.0000	3.3000	10.0	0.0000	0.0000	0.0
Setup machine	0.0000	0.0000	0.0	0.0000	0.0000	0.0
Run machine	0.0000	0.0000	0.0	0.0000	0.0000	0.0
Manufacturing overhead	4.5000	5.6925	26.5	0.0000	0.0000	0.0
Other cost 1	0.0000	0.0000	0.0	0.0000	0.0000	0.0
Hip cost 2	0.0000	0.0000	0.0	0.0000	0.0000	0.0
Other cost 3	0.0000	0.0000	0.0	0.0000	0.0000	0.0
Hip cost 4	0.0000	0.0000	0.0	0.0000	0.0000	0.0

Summary

Purchase	0.3450	0.8625	150.0	0.0000	0.0000	0.0
POH	0.0345	0.0862	150.0	0.0000	0.0000	0.0
LAB	3.0000	3.3000	10.0	0.0000	0.0000	0.0
LOH	4.5000	5.6925	26.5	0.0000	0.0000	0.0





Questions ?