



BROOM STREET SOFTWARE

“Sweeping Away The Competition...”

White Paper on WITS (Wireless Inventory Transaction System)

This White Paper presents selected inventory system transactions. The Broom Street WITS system can be personalized to perform as many QAD® transactions as required. We offer a turnkey solution that satisfies both software and hardware business requirements.

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User Navigation

The following keyboard strokes will be universally applied in the WITS RF System:

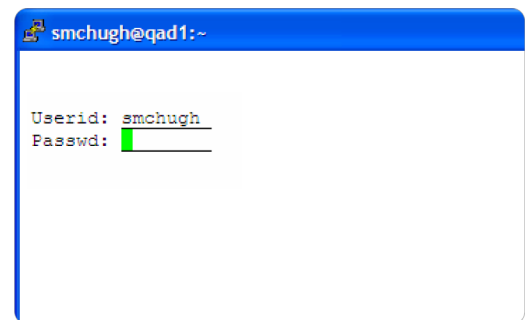
- 1) F1 = Go
- 2) F2 = Help
- 3) F3 = Insert-mode
- 4) F4 = End
- 5) F8 = Clear
- 6) Enter = Next field (acts as (F1)-Go on last field in frame)

Error Handling

When transactions are processed thru the WITS system the system checks if they interface with the host QAD system. If the host accepts the transaction, A message "PROCESS OK" will appear on the users scanner. If the hosts rejects the transaction then a "TRANSACTION FAILED MESSAGE" will appear and wait for the user to press a key. If this message appears the user MUST contact a supervisor to research the problem.

Login and Main Menu

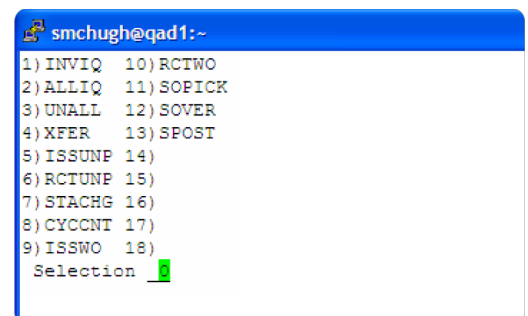
Userid: enter your QAD userid signon.
Passwd: enter your QAD password.



```
smchugh@qad1:-  
  
Userid: smchugh  
Passwd: █
```

When a successful match occurs you will see the following menu.

Once at this menu select the option you wish to choose by entering in the menu number of the selection.



```
smchugh@qad1:-  
1) INVIQ  10) RCTWO  
2) ALLIQ  11) SOPICK  
3) UNALL  12) SOVER  
4) XFER   13) SPOST  
5) ISSUNP 14)  
6) RCTUNP 15)  
7) STACHG 16)  
8) CYCCNT 17)  
9) ISSWO  18)  
Selection █
```

Inventory On Hand (OPTION 1 INVIQ)

This option is used to show inventory on hand at available inventory locations by item number. An item number must be entered for the system to show the data.

Item: enter the QAD Item where you wish to search inventory for.

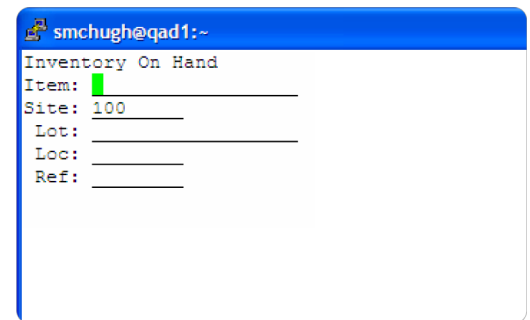
Site: enter the QAD Site for the item where you wish to search inventory for.

Lot: enter the QAD Lot number for the item you wish to view inventory for.

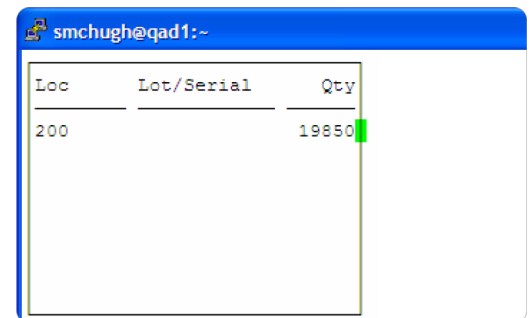
Loc: enter the QAD Location for the item you wish to view inventory for.

Ref: enter the QAD Reference for the item you wish to view inventory for.

The system will display all locations/lot where the item exists. The system then waits for the user to hit any key before going back to the main menu.



```
smchugh@qad1:-
Inventory On Hand
Item: 
Site: 100
Lot: 
Loc: 
Ref: 
```



Loc	Lot/Serial	Qty
200		19850

Unallocated Inquiry (OPTION 2 UNALL)

This option is used to show unallocated inventory by item number. An item number must be entered for the system to show the data.

Item: enter the QAD Item where you wish to search unallocated inventory for.

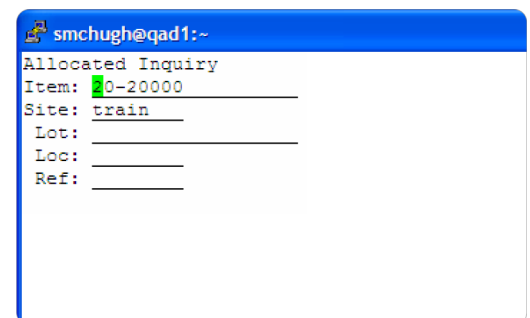
Site: enter the QAD Site for the item where you wish to search unallocated inventory for.

Lot: enter the QAD Lot number for the item you wish to search unallocated inventory for.

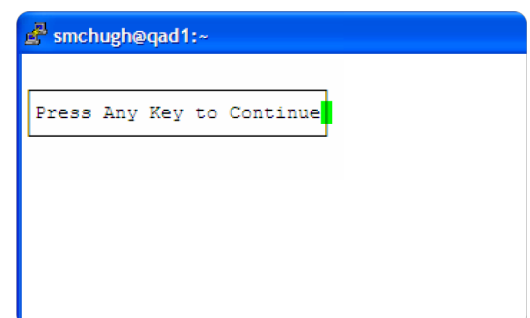
Loc: enter the QAD Location for the item you wish to search unallocated inventory for.

Ref: enter the QAD Reference for the item you wish to search unallocated inventory for.

The system will display all locations/lot where the item exists that has not been allocated. The system then waits for the user to hit any key before going back to the main menu.



```
smchugh@qad1:-
Allocated Inquiry
Item: 20-20000
Site: train
Lot: 
Loc: 
Ref: 
```



```
smchugh@qad1:-
Press Any Key to Continue
```

Allocated Inquiry (OPTION 3 ALLIQ)

This option is used to show allocated inventory by item number. An item number must be entered for the system to show the data.

Item: enter the QAD Item where you wish to search allocated inventory for.

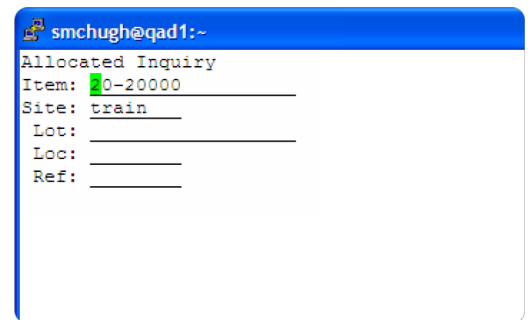
Site: enter the QAD Site for the item where you wish to search allocated inventory for.

Lot: enter the QAD Lot number for the item you wish to search allocated inventory for.

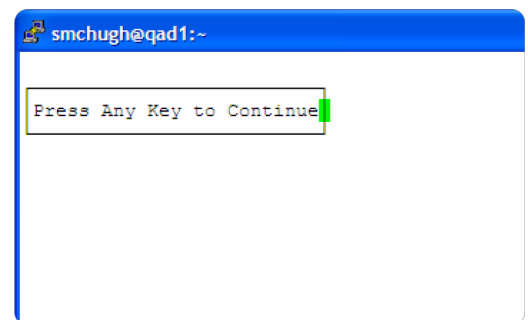
Loc: enter the QAD Location for the item you wish to search allocated inventory for.

Ref: enter the QAD Reference for the item you wish to search allocated inventory for.

The system will display all locations/lot where the item exists. The system then waits for the user to hit any key before proceeding back to the main menu.



```
smchugh@qad1:-
Allocated Inquiry
Item: 0-20000
Site: train
Lot:
Loc:
Ref:
```



```
smchugh@qad1:-
Press Any Key to Continue
```

Transfer Inventory (OPTION 4 XFER)

Use this function to transfer lots/items from one physical location to another. The system prompts for the site/ Location From and Location To. It then expects the user to scan multiple lot numbers which will be transferred to the new location.

Item: enter the QAD Site that you are transferring inventory for.

Loc To: enter the location you wish to transfer inventory to.

Loc Fr: enter the location you wish to transfer inventory from.

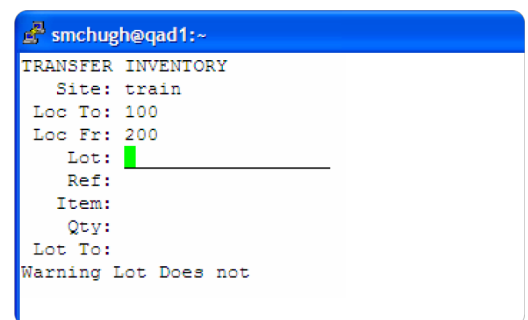
Lot: scan/enter the lot number that you wish to transfer.

Ref: if there are multiple detail references for this lot it will prompt-for reference.

Item: if the lot does not exist or more than one item exists for this lot then the system will prompt for the item.

Qty: if the lot was scanned the quantity defaults to 1, If keyed in the system allows you change the quantity.

After Hitting F4, to leave the lot section of the program the system will display if the transaction went thru correctly.



```
smchugh@qad1:-
TRANSFER INVENTORY
Site: train
Loc To: 100
Loc Fr: 200
Lot:
Ref:
Item:
Qty:
Lot To:
Warning Lot Does not
```

Unplanned Issue (OPTION 5 ISSUNP)

Use this function to remove inventory from the system when it becomes necessary to do so. The system will ask for a lot number and the quantity that you wish to remove from the system. The user may also key in remarks and the general ledger reason for removing the system from inventory.

Lot: scan/enter lot number that you wish to remove from inventory.

Site: enter site of lot number that you wish to remove from inventory.

Loc: enter location of lot number that you wish to remove from inventory.

Ref: enter reference of inventory that you wish to remove from inventory.

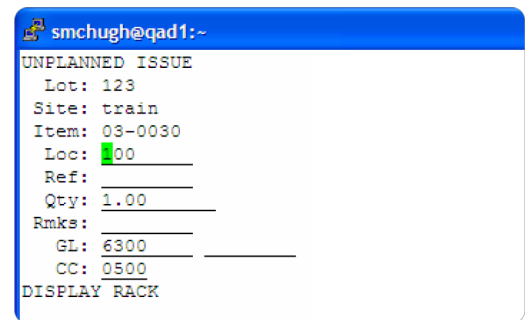
Qty: enter quantity of inventory that you wish to remove from inventory.

Rmks: enter reason for removing inventory.

GL: enter account/sub account for GL effect of transaction.

CC: enter cost center associated with this transaction.

Pressing Enter, F1 will then commit the transaction into the system and return you to the top.



smchugh@qad1:~
UNPLANNED ISSUE
Lot: 123
Site: train
Item: 03-0030
Loc: 00
Ref: _____
Qty: 1.00
Rmks: _____
GL: 6300
CC: 0500
DISPLAY RACK

Unplanned Receipt (OPTION 6 RCTUNP)

Use this function to receive inventory from the system when it becomes necessary to do so. The system will ask for a lot number and the quantity that you wish to receive into the system. The user may also key in remarks and the general ledger reason for receiving inventory into the system.

Lot: scan/enter lot number that you wish to receive into inventory.

Site: enter site of lot number that you wish to receive into inventory.

Loc: enter location of lot number that you wish to receive into inventory.

Ref: enter reference of inventory that you wish to receive into inventory.

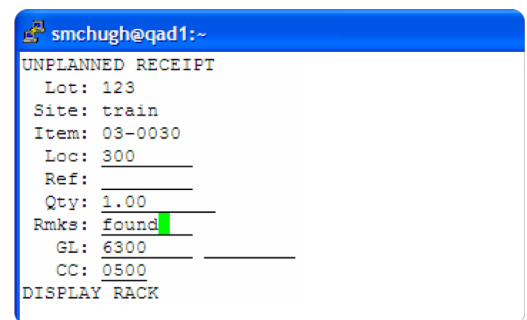
Qty: enter quantity of inventory that you wish to receive into inventory.

Rmks: enter reason for receiving inventory.

GL: enter account/sub account for GL effect of transaction.

CC: enter cost center associated with this transaction.

Pressing Enter, F1 will then commit the transaction into the system and return you to the top.



smchugh@qad1:~
UNPLANNED RECEIPT
Lot: 123
Site: train
Item: 03-0030
Loc: 300
Ref: _____
Qty: 1.00
Rmks: found
GL: 6300
CC: 0500
DISPLAY RACK

Status Change (OPTION 7 STACHG)

Use this function to change the status of inventory from one code to another. It would be used to change the lot status from "DI" to "QA". It will change the total quantity for that lot/site/location/ref/item combination to the new status.

Lot: scan/enter lot number you wish to change the status for.

Site: enter site number you wish to change status for.

Item: if lot exists for more then one item then the system will prompt for the item.

Loc: enter location you wish to change status for.

Ref: enter reference you wish to change status for.

Stat: enter the new status you wish to make this inventory.

Pressing Enter, F1 will then commit the transaction into the system and return you to the top.

```
smchugh@qad1:/eis/mfgpro/eb2/work2atcc/us/src
Status Change
Lot: 123
Site: train
Item: 03-0030
Loc: 100
Ref:

Stat: ONNET
DISPLAY RACK
```

Cycle Count (OPTION 8 CYCCNT)

Use this screen to cycle count a particular inventory location. The system expects you to scan multiple lot numbers as you are counting. The system will provide a running total of that item counted in a specific location while you are counting.

Type: enter if this is an initial cycle count or recount.

Loc: enter the location you wish to count.

Site: enter the site you wish to count.

Lot: scan/enter the lot number you wish to count, if scanned qty assumed to be 1.

Qty: if not scanned enter the quantity counted.

Pressing F4, to leave will commit the transaction to QAD.

```
smchugh@qad1:/eis/mfgpro/eb2/work2atcc/us/src
CYCLE COUNT
Type: INITIAL
Loc: 100
Site: train
Lot: 
Item: 03-0030
Ref:
Qty:
Total Count: 2
```

Work Order Issue (OPTION 9 ISSWO)

Use this screen to issue component materials to a work order. The system will verify what you are issuing to the work order is already been picked to the work order. The system expects you to scan multiple lot numbers to the order. The system will provide a running total of quantities issued by lot/item.

Wo Lot: enter/scan the work order id.

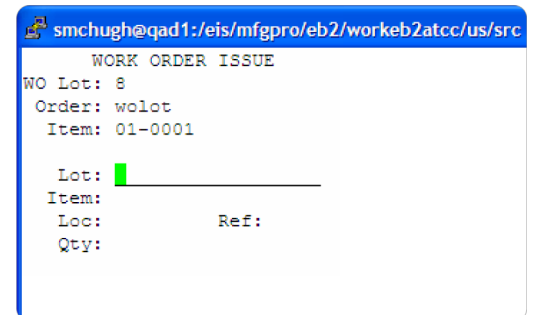
Order: enter the work order number.

Item: the item on the work order will display.

Lot: scan/enter the lot number used in this work order. if not scanned the system will prompt-for a quantity, otherwise assuming a quantity of 1.

The system will verify that the lot being scanned to the work order has already been detailed allocated.

After all lots have been issued to the work order, the system will prompt-for a "received by". This will be the person who received the material from the picking group.



```
smchugh@qad1:/eis/mfgpro/eb2/workeb2atcc/us/src
WORK ORDER ISSUE
WO Lot: 8
Order: wolot
Item: 01-0001

Lot: 
Item: 
Loc:      Ref:
Qty:
```

Work Order Receipt (OPTION 10 RCTWO)

Use this transaction to receive production work orders into the system. The system will prompt-for a work order lot/number. Then you scan multiple lots to receive for this work order. The system will keep a running count of the quantity received on the work order.

Wo Lot: scan/enter the work order id.

Order: enter the work order number.

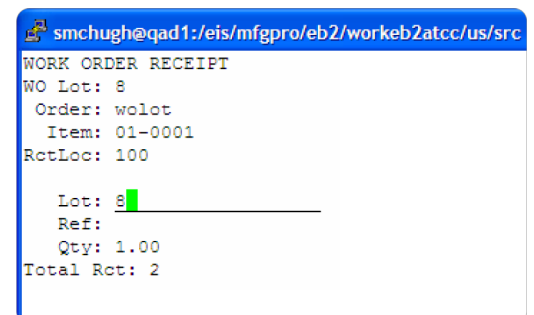
Item: the item on the work order will display.

Rct Loc: enter the inventory location where this material will be received.

Lot: scan/enter the lot number you wish to receive on this work order.

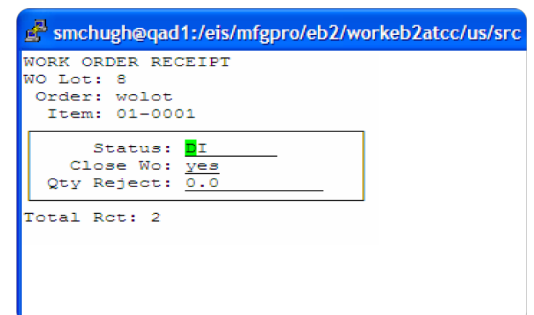
Once you are done scanning/entering lots you press F4 for the transaction to be committed.

For certain work order types you will be prompted for the inventory status/quantity reject and a question to close the work order or not.



```
smchugh@qad1:/eis/mfgpro/eb2/workeb2atcc/us/src
WORK ORDER RECEIPT
WO Lot: 8
Order: wolot
Item: 01-0001
RctLoc: 100

Lot: 8
Ref: 
Qty: 1.00
Total Rct: 2
```



```
smchugh@qad1:/eis/mfgpro/eb2/workeb2atcc/us/src
WORK ORDER RECEIPT
WO Lot: 8
Order: wolot
Item: 01-0001

Status: I
Close Wo: yes
Qty Reject: 0.0

Total Rct: 2
```

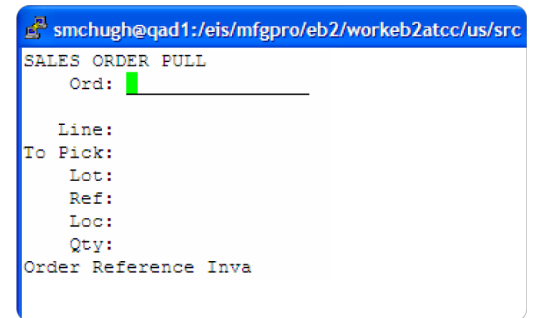
Sales Order Pull (OPTION SOPICK)

Use this transaction to pick the sales order based upon the pick list that you receive. The system will expect that you scan the whole order based upon the pick list. If you do not scan a particular lot number or your quantities do not match the system will prompt for a supervisor over-ride. The goal is to scan the whole order to completion.

Ord: scan/enter the order reference printed at top of pick list.

Line: enter the sales order line number that you are picking.

Lot: scan/enter in lot numbers that you are picking to the order. the system will keep a running total of items picked for each line item. If you press F4 without scanning all the lots for a particular sales order line the system will ask for a supervisor over-ride. If you do not scan an item that is designated as a scan item the system will ask for a supervisor over-ride as well.

A screenshot of a terminal window showing the 'SALES ORDER PULL' screen. The window title is 'smchugh@qad1:/eis/mfgpro/eb2/work2atcc/us/src'. The screen displays the following text: 'SALES ORDER PULL', 'Ord: ' followed by a green cursor and a blank line, 'Line:', 'To Pick:', 'Lot:', 'Ref:', 'Loc:', 'Qty:', and 'Order Reference Inva'.

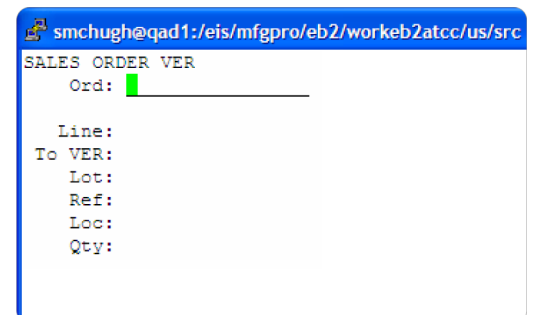
Sales Order Verification (OPTION 12 SOVER)

Use this transaction to verify the sales order to be shipped based upon the pick list that you receive. The system will expect that you scan the whole order based upon the pick list. If you do not scan a particular lot number or your quantities do not match the system will prompt for a supervisor over-ride. The goal is to scan the whole order to completion.

Ord: scan/enter the order reference printed at top of pick list.

Line: enter the sales order line number that you are verifying.

Lot: scan/enter in lot numbers that you are verifying to the order. The system will keep a running total of items verified for each line item. If you press F4 without scanning all the lots for a particular sales order line the system will ask for a supervisor over-ride. If you do not scan an item that is designated as a scan item the system will ask for a supervisor over-ride as well.

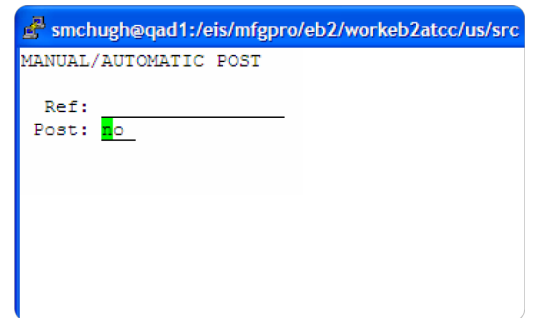
A screenshot of a terminal window showing the 'SALES ORDER VER' screen. The window title is 'smchugh@qad1:/eis/mfgpro/eb2/work2atcc/us/src'. The screen displays the following text: 'SALES ORDER VER', 'Ord: ' followed by a green cursor and a blank line, 'Line:', 'To VER:', 'Lot:', 'Ref:', 'Loc:', and 'Qty:'.

Shipment Post (OPTION 13 SPOST)

Use this function to Post the sales order for transaction completion. The systems prompts for the order/reference number.

Ref: enter the order reference to post.

Post: enter yes if you wish to post this order to transaction completion.



```
smchugh@qad1:/eis/mfgpro/eb2/work2atcc/us/src
MANUAL/AUTOMATIC POST

Ref:
Post: 
```