



# **INPATIENT MEDICATIONS**

## **TECHNICAL MANUAL/ SECURITY GUIDE**

Version 5.0  
December 1997

(Revised December 2012)

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Department of Veterans Affairs  
Product Development

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# Revision History

Each time this manual is updated, the Title Page lists the new revised date and this page describes the changes. If the Revised Pages column lists “All,” replace the existing manual with the reissued manual. If the Revised Pages column lists individual entries (e.g., 25, 32), either update the existing manual with the Change Pages Document or print the entire new manual.

Date	Revised Pages	Patch Number	Description
12/2012	i-ii, vi-vii, 81-82, 82a- 82b	PSJ*5*284	Added instructions for editing the Device File for ATC Device to use Network Channel. <b>REDACTED</b>
09/2012	i, 21-23, 69, 94a	PSJ*5*267	Added new Routine Added new API Added new Integration Agreement  <b>REDACTED</b>
01/2012	i-ii, v-viii  22, 23  69  94	PSJ*5*254	Updated Table of Contents  Updated Routines  Added API  Added 5653 and 5654 Inpatient Medications Integration Agreements  <b>REDACTED</b>
04/2011	i, v, vi, vii, vii, 5-8b, (changed flow) 22, 23, 24, removed 25-26, changed 53, 85, 86, 93-94;94a-b, 121--130	PSJ*5*181	Changes to <i>Revision History</i> , <i>Table of Contents</i> ; added new field to PHARMACY SYSTEM File (#59.7), added new field to the INPATIENT WARD PARAMETERS File (#59.6). Added information re: the Pharmacy Reengineering (PRE) API Manual under “ <i>Callable Routines</i> ”; removed entire section 5.3, Routine Mapping, and all its sub-sections; added Health Level Seven (HL7) data field under segment { RXC}. Added the following “ <i>Inpatient Medications Custodial Integration Agreements</i> ”: 4074, 4264, 4580, 5001, 5057; 5058, 5306, 5385. Added two packages, HWSC and VistALink, to <i>External Relationships</i> , under <i>Packages Needed to Run Inpatient Medications</i> . Added the following call routines and their entry points: OROCAPI, PSSDSAPD, PSSDSAPI, PSSFDBRT, PSODDPR4, PSODRDU2. Added the items <b>DATUP, MOCHA, PECS, and PEPS</b> in Glossary, which shifted all subsequent glossary items. Added routines PSJMISC2 & PSJOCVAR to the routines table and removed Section 5.3  <b>REDACTED</b>
02/11	i, 53, 62, 64, 65	PSJ*5*226	Added to RXC section Field 5, “Additive Frequency” in HL7 Ordering Fields; updated Front Door – IV Fluids table with Field 5; updated Back Door – IV Fluids table with Field 5; updated

Date	Revised Pages	Patch Number	Description
			example. <b>REDACTED</b>
06/10	i, 22-23	PSJ*5*113	Added routine PSGSICH1. <b>REDACTED</b>
02/10	i, 23	PSJ*5*214	Added PSJQUTIL to the routine list in Section 5.1 for Patients on Specific Drug(s) Multidivisional Enhancements Project. <b>REDACTED</b>
12/09	22-23	PSJ*5*222	Added routine PSGOEF2. <b>REDACTED</b>
08/08	vi, 23, 51-53, 57-58, 60-61, 63, 65, 65a-65b	PSJ*5*134	Parameters for escaping special characters added. New HL7 messages added. New routines added. HL7 order fields table contains an asterisk for each field that has special escaping characters. <b>REDACTED</b>
02/07	74-76	PSJ*5*178	MED ROUTE now appears in larger font on IV labels from the Zebra bar code printer. Med ROUTE now prints on the IV labels for bar-code enabled printers, and it prints in larger font than surrounding text. <b>REDACTED</b>
09/06	23, 94	PSJ*5*172	Encapsulation Cycle II project: Added PSJ53P1 to the Routine List in Section 5.1. Added DBIA 4537 to DBIA list. Changed the date on the Title Page to December 1997. <b>REDACTED</b>
05/06	v-viii 8a-8b 66-68b	PSJ*5*154	In Section 2.2.2 Added "PRIORITIES FOR NOTIFICATION" field. In Section 9.5, made correction to include the priority of ASAP in notifications. Added information regarding the three notifications parameters. <b>REDACTED</b>
12/2005	23	PSJ*5*146	Remote Data Interoperability (RDI) Project: Added PSJLMUT2 to the Routine List in Section 5.1. <b>REDACTED</b>
11/2005	All	PSJ*5*163	Encapsulation Cycle II project: Added PSJ59P5 to the Routine List in Section 5.1. Added DBIA 4819 to DBIA list. Deleted DBIAs 172, 634, and 1882 from the DBIA list. Reissued entire document due to a page numbering issue. <b>REDACTED</b>

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## 12.2.6. Device File Setup Network Change

Edit the Device File (#3.5) for ATC Device to use Network Channel.

Obtain the IP address and port assignment for the Receiving Lantronix/TCP IP Interface.

Lookup the ATC Device setup for the Ward location(s):

```
Select Supervisor's Menu Option: ward Groups

Select WARD GROUP NAME:    4C
PHARMACY      ATC
NAME: 4C//
Select WARD: 4C//
LENGTH OF PICK LIST (in hours):
PICK LIST - OMIT WARD SORT: NO (SORT BY WARD)//
PICK LIST - OMIT ROOM-BED SORT: YES (DO NOT SORT BY ROOM-BED)
//
PICK LIST - FORM FEED/PATIENT: NO//
PICK LIST - FORM FEED/WARD: YES//
PICK LIST - LINES ON FORM FEED: NO//
PRINT NON-ACTIVE ORDERS FIRST:
BAXTER ATC DEVICE: ATC//
USE OLD ATC INTERFACE:
```

Edit the Device with the following information:

```
Select DEVICE NAME:    ATC    BAXTER ATC-PHARM    TNA991:
NAME: ATC//
LOCATION OF TERMINAL: BAXTER ATC-PHARM//
Select MNEMONIC:
LOCAL SYNONYM:
$I: TNA991:// |TCP|9100 This $I in use by other Devices.  TCP|"Port Assignment"
VOLUME SET(CPU):
SIGN-ON/SYSTEM DEVICE:
TYPE: OTHER// NET NETWORK CHANNEL
SUBTYPE: C-OTHER//
DEFAULT SUBTYPE: C-OTHER//
ASK DEVICE: NO//
ASK PARAMETERS: NO//
ASK HOST FILE: NO//
ASK HFS I/O OPERATION:
QUEUEING:
OUT-OF-SERVICE DATE:
NEAREST PHONE:
KEY OPERATOR:
MARGIN WIDTH:
PAGE LENGTH:
SUPPRESS FORM FEED AT CLOSE: YES//
*BLINK ON:
*BLINK OFF:
SECURITY:
CLOSEST PRINTER:
FORM CURRENTLY MOUNTED:
*PHYSICAL AREA: UNIT DOSE (ACI)//
OPEN PARAMETERS: ("10.18.6.168":9100:"+Q"::512:512) ----("IP Address": " Port Assignment":
"+Q"::512:512)
CLOSE PARAMETERS:
USE PARAMETERS:
PRE-OPEN EXECUTE: ^
```

## Verify Device File changes:

```
OUTPUT FROM WHAT FILE: DEVICE//      DEVICE (1252 entries)
Select DEVICE NAME:   ATC      BAXTER ATC-PHARM      |TCP|9100
ANOTHER ONE:
STANDARD CAPTIONED OUTPUT? Yes//      (Yes)
Include COMPUTED fields: (N/Y/R/B): NO// - No record number (IEN), no Computed
Fields

NAME: ATC                                $I: |TCP|9100
  ASK DEVICE: NO                          ASK PARAMETERS: NO
  LOCATION OF TERMINAL: BAXTER ATC-PHARM
  DEFAULT SUBTYPE: C-OTHER                ASK HOST FILE: NO
  SUPPRESS FORM FEED AT CLOSE: YES        OPEN COUNT: 225
  OPEN PARAMETERS: ("10.18.6.168":9100:"+Q":512:512)
  *PHYSICAL AREA: UNIT DOSE (ACI)
SUBTYPE: C-OTHER                          TYPE: NETWORK CHANNEL
# OF ATTEMPTS: 4
```

### 12.2.7. Common Problems

Occasionally, a site experiences trouble getting the interface to run properly when the site first acquires an ATC, or has trouble later with the interface stopping in the middle of pick lists sends. If this happens, please try one or more of the following:

- Some sites have found that lowering the baud rate from 9600 to 4800, or even 2400, solves their problem.
- Sometimes, there is an error in the ATC HPS CONFIGURATION SETTINGS. If the user experiences trouble, please double-check these settings.
- In some cases, it is only a matter of changing the time of day that pick lists are sent to the ATC to avoid peak loads on the Vista computer system.
- In other cases, it has simply been a matter of adjusting the RESPONSE TIMER-CONTROL and/or RESPONSE TIMER-DATA settings within the HPS CONFIGURATION settings.
- If all else fails and the interface still does not want to work, the user may consider setting the USE OLD INTERFACE flag in the WARD GROUP file (#57.5) for all ward groups that will be sending pick lists to the ATC. (See the Ward Groups section in the *Inpatient Medications Supervisor's User Manual*.)

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