INPATIENT MEDICATIONS

TECHNICAL MANUAL/ SECURITY GUIDE

Version 5.0
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Department of Veterans Affairs
V*IST***A** Health Systems Design and Development

Revision History

The table below lists changes made since the initial release of this manual. Each time this manual is updated, the Title Page lists the new revised date and this page describes the changes. Either update the existing manual with the Change Pages Document, or replace it with the updated manual.

Note: The Change Pages Document may include unedited pages needed for two-sided copying. Only edited pages display the patch number and revision date in the page footer.

Date	Revised Pages	Patch Number	Description
09/04	vi-viii, 22-23, 66-66b, 118-122, 133-135	PSJ*5*110	Updated the Table of Contents to include the new section 9.5. STAT and NOW Order Notification, resulting in topics being moved to other pages in the Table of Contents. Updated section 5.1. to include the following new routines, resulting in one routine being moved to the next page: PSGOTR, PSJCOM, PSJCOM1, PSJCOMR, PSJCOMV, PSJOEA, and PSJOEA1. Added the section 9.5. to explain the new STAT and NOW Order Notification functionality. Updated the following sections to reflect changes in the order renewal process and to remove the example text that is no longer relevant: 18.5.1. Order Start Date/Time Calculation - removed Order Renewal heading and related text except for the Note. 18.5.2. Stop Date/Time: Calculation – removed item #3 from the list. 18.5.3. Patient's Default Stop Date/Time – removed item #3 from the list. Updated the Glossary with entries for the new PSJ STAT and NOW Order Notification functionality and the two related mail groups, resulting in some existing entries being moved to other pages in the Glossary.
12/03	i-ii, 5, 75	PSJ*5*119	Updated Revision History page to reflect new text preceding the table created by the technical writers for clarity, which is unrelated to this patch. Updated section 2.2.1. Fields from the PHARMACY SYSTEM file (#59.7): Added the ROUND ATC PICK LIST UNITS field, which allows rounding of fractional units per dose. Updated section 12.1 Pharmacy Set Up: Deleted reference to Unit Dose Medications User Manual.

Date	Revised Pages	Patch Number	Description
07/03	Title, i, 6-14, 21-23, 86-90, 118-122, 126-135	PSJ*5*80	Updated the Title Page and Revision History Page. Several parameter descriptions are expanded including The INPATIENT PROFILE ORDER SORT parameter, LVPS GOOD FOR HOW MANY DAYS, HYPERAL GOOD FOR HOW MANY DAYS, PBS GOOD FOR HOW MANY DAYS, SYRNS GOOD FOR HOW MANY DAYS, and CHEMO'S GOOD FOR HOW MANY DAYS parameters. Updated the Routine listing to include new routines. Cosmetic changes made to keep the lines of the Integration Agreements together. The default Start and Stop Date/Time for complex orders did not reflect the duration entered through CPRS and is now included. Included pages for double-sided printing.
04/03	Title, i, 6, 8-13	PSJ*5*95 & Developer Request	Updated the Title Page and Revision History Page. Updated the NOW explanation in the DEFAULT START DATE CALCULATION. Added the new Inpatient Ward Parameter, PRE-EXCHANGE REPORT DEVICE.
01/03	Title, i, 21-24, 34, 47, 91, 92, 92a, 92b	PSJ*5*85	Updated the Title Page and Revision History Page. New routines, protocols, and IAs were added. The *Barcode ID – Return and Destroy (IV)* option was included. Also included pages for double-sided printing.
05/02	All	PSJ*5*58	Updated this manual to include the IV functionality and BCMA – CPRS Med Order Button enhancements released with the BCMA V. 2.0 project.
01/02	i, ii, 35, 36	PSJ*5*65	Updated Revision History Page. The exported options list was updated to include the Free Text Dosage Report. Included pages for double-sided printing.
01/02	Title, i, ii, 5, 6, 7, 8, 9, 10, 69, 70, 95, 96, 97, 98	PSJ*5*63	Updated the Title Page, and Revision History Page. The Ward and System Parameters were updated to include the new parameters for determining the stop date for one-time orders. A new database integration agreement was added. Included pages for double-sided printing.
09/01	All	PSJ*5*50	Added this Revision History Page. Re-formatted the manual into sections. Added Patch Release changes and Pharmacy Ordering Enhancements (POE).
12/97			Original Released Technical Manual / Security Guide.

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5. Routines

**** IMPORTANT ****

A routine name followed by an asterisk (such as PSJ*) is used to designate the complete set of the routines that start with those characters.

5.1. Descriptions

The following routines are exported by the Inpatient Medications package. Routine names starting with the letters PSG designate routines used mainly by the Unit Dose Medications module. Routine names starting with the letters PSIV designate routines used mainly by the IV Medications module. Routine names starting with the letters PSJ designate Inpatient Medications routines - utilities used by IV, Unit Dose, and other packages.

PSGAL5	PSGAMS	PSGAMS0	PSGAMSA
PSGAP	PSGAP0	PSGAPH	PSGAPIV
PSGAPP	PSGAXR	PSGBRJ	PSGCAP
PSGCAP0	PSGCAPIV	PSGCAPP	PSGCAPP0
PSGCT	PSGDCC	PSGDCCM	PSGDCR0
PSGDCT	PSGDCT1	PSGDCTP	PSGDL
PSGDS	PSGDS0	PSGDSP	PSGDSP0
PSGDSP1	PSGDSPN	PSGEUD	PSGEUDD
PSGEUDP	PSGFILD0	PSGFILD1	PSGFILD2
PSGFILD3	PSGFILED	PSGGAO	PSGIU
PSGL	PSGL0	PSGLBA	PSGLH
PSGLOI	PSGLPI	PSGLW	PSGMAR
PSGMAR0	PSGMAR1	PSGMAR2	PSGMAR3
PSGMI	PSGMIV	PSGMMAR	PSGMMAR0
PSGMMAR1	PSGMMAR2	PSGMMAR3	PSGMMAR4
PSGMMAR5	PSGMMARH	PSGMMIV	PSGMMIVC
PSGMUTL	PSGNE3	PSGO	PSGOD
PSGOE	PSGOE0	PSGOE1	PSGOE2
PSGOE3	PSGOE31	PSGOE4	PSGOE41
PSGOE42	PSGOE5	PSGOE6	PSGOE7
PSGOE8	PSGOE81	PSGOE82	PSGOE9

PSGOE91	PSGOE92	PSGOEC	PSGOECA
PSGOECS	PSGOEE	PSGOEE0	PSGOEEW
PSGOEF	PSGOEF1	PSGOEH0	PSGOEH1
PSGOEHA	PSGOEI	PSGOEL	PSGOEM
PSGOEM1	PSGOENG	PSGOEPO	PSGOER
PSGOER0	PSGOER1	PSGOERI	PSGOERS
PSGOES	PSGOESF	PSGOETO	PSGOETO1
PSGOEV	PSGOEVS	PSGON	PSGORS0
PSGORVW	PSGOT	PSGOTR	PSGOU
PSGP	PSGPEN	PSGPER	PSGPER0
PSGPER1	PSGPER2	PSGPL	PSGPL0
PSGPL1	PSGPLD	PSGPLDP	PSGPLDP0
PSGPLDPH	PSGPLF	PSGPLFM	PSGPLG
PSGPLPRG	PSGPLR	PSGPLR0	PSGPLRP
PSGPLUP	PSGPLUP0	PSGPLUTL	PSGPLXR
PSGPO	PSGPOR	PSGPR	PSGPRVR
PSGPRVR0	PSGRET	PSGRPNT	PSGS0
PSGSCT	PSGSCT0	PSGSEL	PSGSET
PSGSETU	PSGSH	PSGSICHK	PSGSSP
PSGTAP	PSGTAP0	PSGTAP1	PSGTCTD
PSGTCTD0	PSGTI	PSGVBW	PSGVBW0
PSGVBW1	PSGVBWP	PSGVBWU	PSGVDS
PSGVW	PSGVW0	PSGVWP	PSIV
PSIVACT	PSIVAL	PSIVALN	PSIVALNC
PSIVAMIS	PSIVAOR	PSIVAOR1	PSIVBCID
PSIVCAL	PSIVCHK	PSIVCHK1	PSIVCSED
PSIVDCR	PSIVDCR1	PSIVDCR2	PSIVDRG
PSIVEDRG	PSIVEDT	PSIVEDT1	PSIVHIS
PSIVHLD	PSIVHLP	PSIVHLP1	PSIVHLP2
PSIVHLP3	PSIVHYP	PSIVHYPL	PSIVHYPR
PSIVLABL	PSIVLABR	PSIVLB	PSIVLBDL
PSIVLBL1	PSIVLBRP	PSIVLTR	PSIVLTR1
PSIVMAN	PSIVMAN1	PSIVOE	PSIVOPT
PSIVOPT1	PSIVOPT2	PSIVORA	PSIVORA1
PSIVORAL	PSIVORC	PSIVORC1	PSIVORC2
PSIVORE	PSIVORE1	PSIVORE2	PSIVOREN
PSIVORFA	PSIVORFB	PSIVORFE	PSIVORH
PSIVORLB	PSIVORV1	PSIVORV2	PSIVPAT
PSIVPCR	PSIVPCR1	PSIVPGE	PSIVPR
PSIVPRO	PSIVQUI	PSIVRD	PSIVRDC
PSIVREC	PSIVRNL	PSIVRP	PSIVRP1
PSIVRQ	PSIVRQ1	PSIVSET	PSIVSP
PSIVSPDC	PSIVST2	PSIVSTAT	PSIVSUS

PSIVSUS1	PSIVUDL	PSIVUTL	PSIVUTL1
PSIVUWL	PSIVVW1	PSIVWCR	PSIVWCR1
PSIVWL	PSIVWL1	PSIVWRP	PSIVXREF
PSIVXU	PSJ0026	PSJ0030	PSJ005
PSJ0050	PSJ0061	PSJ0063	PSJ0066
PSJ007	PSJ0071	PSJ0077	PSJ0078
PSJ010	PSJ074	PSJ0742	PSJ078A
PSJ078B	PSJ089	PSJ089B	PSJ200
PSJ200A	PSJ5P89P	PSJAC	PSJADT
PSJADT0	PSJADT1	PSJADT2	PSJALG
PSJBCMA	PSJBCMA1	PSJBCMA2	PSJBCMA3
PSJBCMA4	PSJCOM	PSJCOM1	PSJCOMR
PSJCOMV	PSJDCHK	PSJDCU	PSJDDUT
PSJDDUT2	PSJDDUT3	PSJDEA	PSJDGAL
PSJDIN	PSJDOSE	PSJDPT	PSJEEU
PSJEEU0	PSJENV	PSJEXP	PSJEXP0
PSJFTR	PSJH1	PSJHEAD	PSJHEH
PSJHIS	PSJHL10	PSJHL11	PSJHL2
PSJHL3	PSJHL4	PSJHL5	PSJHL6
PSJHL7	PSJHL9	PSJHLERR	PSJHLU
PSJHLV	PSJHVARS	PSJLIACT	PSJLIFN
PSJLIFNI	PSJLIORD	PSJLIPRF	PSJLIUTL
PSJLIVFD	PSJLIVMD	PSJLMAL	PSJLMDA
PSJLMGUD	PSJLMHED	PSJLMPRI	PSJLMPRU
PSJLMUDE	PSJLMUT1	PSJLMUTL	PSJLOAD
PSJLOI	PSJMAI	PSJMAI1	PSJMDIR
PSJMDIR1	PSJMDWS	PSJMEDS	PSJMIV
PSJMP	PSJMPEND	PSJMPRT	PSJMPRTU
PSJMUTL	PSJNTEG	PSJNTEG0	PSJNTEG1
PSJO	PSJO1	PSJO2	PSJO3
PSJOE	PSJOE0	PSJOE1	PSJOEA
PSJOEA1	PSJOEEW	PSJOERI	PSJORAPI
PSJORDA	PSJOREN	PSJORMA1	PSJORMA2
PSJORMAR	PSJORP2	PSJORPOE	PSJORRE
PSJORRE1	PSJORREN	PSJORUT2	PSJORUTL
PSJP	PSJPATMR	PSJPDIR	PSJPDV
PSJPDV0	PSJPDV1	PSJPL0	PSJPR
PSJPR0	PSJPST50	PSJPXRM1	PSJQPR
PSJRXI	PSJSPU	PSJSPU0	PSJSV
PSJSV0	PSJUNITD	PSJUTL	PSJUTL1
PSJUTL2	PSJUTL3	PSJUTL5	PSJUTL6

The following routines are not used in this version of Inpatient Medications. They were exported in the initial Kernel Installation and Distribution System (KIDS) build as Delete at Site.

PSGDCR	PSGDCT0	PSGEXP	PSGEXP0
PSGMMPST	PSGOROE0	PSGORU	PSGQOS
PSIVNVO	PSIVOEDO	PSIVOENT	PSIVOEPT
PSIVRD0	PSIVRD0	PSJMAN	PSJOAC
PSJOAC0	PSJOE8	PSJOE81	PSJOEE
PSJOER	PSJOER0	PSJORA	PSJORIN
PSJPRE4	PSJPRE40	PSJPRE41	PSJPRE45
PSJPRE46	PSJPRE47	PSJPRE48	PSJPRE49
PSJPRE4H	PSJQSET	PSJSPAUT	PSJUO
PSJUO1	PSJUTL4		

5.2. Callable Routines

Entry points provided by the Inpatient Medications package to other packages can be found in the External Relationships section of this manual. No other routines are designated as callable from outside of this package.

5.3. Routine Mapping

Routines not listed here are used sparingly, and can be mapped if the site desires.

5.3.1. Do Not Map

PSGXR*
PSJIP*
PSJXR*

The PSGXR* and PSJXR* routines are created by VA FileMan when it compiles the cross-references of the NON-VERIFIED ORDERS (#53.1) and PHARMACY PATIENT (#55) files.

Example: POTASSIUM CHLORIDE INJ,SOLN FOR IV ORDERS 125 MEQ in SODIUM INJ,SOLN FOR IV ORDERS 1000 ml 100 ml/hr

New Order

```
Array:    MSG(1)="MSH|^~\&|PHARMACY|5000|||||ORM|||||||||||"
          MSG(2)="PID|||66||ALASKA,FRED|||||||||||||||||"
          MSG(3)="PV1||I|14^A-1|||||||||||||||"
          MSG(4)="ORC|SN|^OR|187V^PS||CM||||199711121255|1311^CAR
          E,GIVER||1311^CAR
                E,GIVER|||199711121256|W^WRITTEN^99ORN^^^|||"
          MSG(5)="RXO|^^^1467^POTASSIUM CHLORIDE
     INJ,SOLN^99PSP|||||||||||||||||"
          MSG(6)="RXE|^^D3^199711121256^199711151800||||||||||||
     1311^CARE,GIVER^9
                9NP|||||||||100|^^^^ml/hr^PSU|"
          MSG(7)="RXC|A|^^^1467^POTASSIUM
     CHLORIDE^99PSP|125|^^^PSIV-8^MEQ^99OTH|"
          MSG(8)="RXC|B|^^^1158^SODIUM^99PSP|1000|^^^PSIV-
      1^ML^99OTH|"
          MSG(9)="ZRX||W|N||1311^CARE,GIVER^99NP|IV|"
Call:     D MSG^XQOR("PS EVSEND OR",.MSG) ; Pharmacy backdoor
          order

Array:    MSG(1)="MSH|^~\&|ORDER
ENTRY|5000|PHARMACY|5000|19971112125616||ORR"
          MSG(2)="PID|||66||ALASKA,FRED"
          MSG(3)="PV1||I|14^A-1|||||||||||||||"
          MSG(4)="ORC|NA|12531^OR|187V^PS|||||||1311||1311|||1997
     1112125616|"
Call:     D MSG^XQOR("OR EVSEND OR",.MSG) ; OE/RR returns #
```

9.5. STAT and NOW Order Notification

A STAT and NOW Order Notification has been added in Inpatient Medications to notify pharmacy and nursing staff when orders are received with a priority of STAT or a schedule of NOW. The Notification sends a text message when a pending STAT or NOW order has either been received from CPRS or has been verified and made active. To receive these messages, the user must subscribe to the mail group(s) listed in this section.

9.5.1. PSJ STAT NOW PENDING ORDER Mail Group

This mail group notifies subscribers when a pending STAT or NOW order has been received from CPRS.

Example: Messages in subscriber's Inbox

```
*207. GEN MED-PENDING STAT-ALASKA,FRED              MEDICATIONS,INPATIENT
*208. GEN MED-PENDING NOW-ALASKA,FRED               MEDICATIONS,INPATIENT
```

Example: Pending STAT Order Message

```
Subj: GEN MED-PENDING STAT-ALASKA,FRED  [#88119] 04/02/04@08:30  5 lines
From: MEDICATIONS,INPATIENT  In 'IN' basket.
Page 1  *New*
-------------------------------------------------------------------------
Inpatient Medications has received the following STAT order (PENDING)

          Patient:     ALASKA,FRED  (6789)
Order Information:     DIGOXIN 100MG PO
       Order Date:     04/02/04  08:30

Enter message action (in IN basket): Ignore//
```

Example: Pending NOW Order Message

```
Subj: GEN MED-PENDING NOW-ALASKA,FRED  [#88124] 04/02/04@08:51  5 lines
From: MEDICATIONS,INPATIENT  In 'IN' basket.
Page 1  *New*
-------------------------------------------------------------------------
Inpatient Medications has received the following NOW order (PENDING)

          Patient:     ALASKA,FRED  (6789)
Order Information:     DIGOXIN 100MG PO NOW
       Order Date:     04/02/04  08:51


Enter message action (in IN basket): Ignore//
```

9.5.2. PSJ STAT NOW ACTIVE ORDER Mail Group

This mail group notifies subscribers when a pending STAT or NOW order is made active.

Example: Messages in subscriber's Inbox

```
*209. GEN MED-ACTIVE STAT-ALASKA,FRED                MEDICATIONS,INPATIENT
*210. GEN MED-ACTIVE NOW-ALASKA,FRED                 MEDICATIONS,INPATIENT
```

Example: Active STAT Order Message

```
Subj: GEN MED-ACTIVE STAT-ALASKA,FRED  [#88125] 04/02/04@08:53  5 lines
From: MEDICATIONS,INPATIENT  In 'IN' basket.
Page 1  *New*
-------------------------------------------------------------------------
Inpatient Medications has received the following STAT order (ACTIVE)

          Patient:     ALASKA,FRED  (6789)
Order Information:     DIGOXIN 100MG PO NOW
       Order Date:     04/02/04  08:30

Enter message action (in IN basket): Ignore//
```

Example: Active NOW Order Message

```
Subj: GEN MED-ACTIVE NOW-ALASKA,FRED  [#88127] 04/02/04@08:57  5 lines
From: MEDICATIONS,INPATIENT  In 'IN' basket.
Page 1  *New*
-------------------------------------------------------------------------
Inpatient Medications has received the following NOW order (ACTIVE)

          Patient:     ALASKA,FRED  (6789)
Order Information:     DIGOXIN 100MG PO NOW
       Order Date:     04/02/04  08:51

Enter message action (in IN basket): Ignore//
```

9.5.3. Adding a Remote Member as a Subscriber

The STAT and NOW Order Notification mail groups can be set up to send text messages to a remote device. This enables anyone who has subscribed to these mail groups to use a pager, or any device that can receive an email message, to receive notification quickly when these high-priority orders are received. The following example illustrates how to define a remote device for a mail group using FileMan.

Example: Using FileMan to Define a Remote Device (for the PSJ STAT NOW ACTIVE ORDER mail group)

```
VA FileMan 22.0


Select OPTION: ENTER OR EDIT FILE ENTRIES



INPUT TO WHAT FILE: MAIL GROUP// <Enter>
EDIT WHICH FIELD: ALL// MEMBERS - REMOTE    (multiple)
   EDIT WHICH MEMBERS - REMOTE SUB-FIELD: ALL//
THEN EDIT FIELD:


Select MAIL GROUP NAME: PSJ STAT NOW ACTIVE ORDER
Select REMOTE MEMBER: ?
        You may enter a new MEMBERS - REMOTE, if you wish
        Enter a remote address (name@domain) or local device (D.device or
        H.device) or local server (S.server).

Select REMOTE MEMBER: debbie.athens@sprintpcs.com
 Are you adding 'debbie.athens@SPRINTPCS.COM' as
   a new MEMBERS - REMOTE (the 1ST for this MAIL GROUP)? No// Y  (Yes)
Select REMOTE MEMBER:
```

Each record on the Suspense Manufacturing List should be in the following format:

^PS(55,"PSIVWLM",S1,S2,S3,S4,S5,S6,S7)=P1

where:

S1 = The IEN of the IV Room associated with this order.
S2 = The job number ($J).
S3 = The first letter of the IV type.
S4 = If the order includes an additive, the first piece of S4 contains the first 10 characters of the additive print name, the second piece contains the additive strength, and the third piece contains “6”; concatenated with the IEN of the additive in the IV ADDITIVES file (#52.6). If the order does not include an additive, piece one contains the first 10 characters of the solution print name, piece two contains the solution volume, and piece three contains “7”; concatenated with the solution’s IEN in the IV SOLUTIONS file (#52.7).
S5 = If the order contains an additive, piece one contains the first 10 characters of the first solution’s print name, piece two contains the solution’s volume, and piece three contains “7”; concatenated with the solution’s IEN in the IV SOLUTIONS file (#52.7). If no additive was found for the order, S4 contains “zz6” only.
S6 = The IEN of the patient for whom the order exists.
S7 = The IEN of the order.

P1 = The number of labels suspended for this order.

18.5. Unit Dose "Defaults"

18.5.1. Order Start Date/Time Calculation

When an order is created, the software will calculate a Start Date/Time for the order. If the order is entered through a Unit Dose Order Set, the Calculated Start Date/Time is automatically entered into the order and may be edited later. If the regular, abbreviated, or ward order entry process is used, the Calculated Start Date/Time is shown as a default value during the order entry process and may be edited immediately.

If the order originated in CPRS and a duration is received with the order, the default Start Date/Time will be the expected first dose that was displayed in CPRS at the time the order was created. The DEFAULT START DATE CALCULATION parameter is used to calculate the Calc Start Date/Time value.

If the order originated in CPRS and no duration is received with the order, The DEFAULT START DATE CALCULATION parameter is used to calculate the Start Date/Time value. The expected first dose that was displayed in CPRS at the time the order was created is displayed as the Requested Start Date/Time.

This DEFAULT START DATE CALCULATION parameter is set using the *Inpatient Ward Parameters Edit* [PSJ IWP EDIT] option under the *PARameters Edit Menu* [PSJ PARAM EDIT MENU] option under the *Supervisor's Menu* [PSJU FILE]. The choices for the DEFAULT START DATE CALCULATION are as follows:

1. NOW - If this choice is selected, the Start Date/Time will equal the Login Date/Time of the order.

2. CLOSEST ADMIN TIME - If this choice is selected, the Admin Date/Time that is closest to the Login Date/Time of the order will be used as the default.

3. NEXT CLOSEST ADMIN TIME - If this choice is made, the closest Admin Date/Time after the Login Date/Time of the order, will be used as the default.

Note: When an order is placed through CPRS prior to the next administration time of the schedule for the order, the Expected First Dose will be today at the next administration time. However, if the order is placed after the last administration time of the schedule for the order, the Expected First Dose will be the next administration time. This Expected First Dose date/time is seen through CPRS and is always based on the logic of using "next administration time," regardless of what the site has set for the ward parameter. The Expected First Dose displayed in CPRS displays as Requested Start Date/Time on the order view if no duration is received from CPRS. The Expected First Dose displays as the default Start Date/Time on the order view when a duration is received.

Page 119 referred to Order Renewal information and example text that is no longer in the package and has been removed from the manual.

18.5.2. Stop Date/Time: Calculation

When an order is created, the package will calculate a Stop Date/Time for the order. If the order is entered through the abbreviated or ward order entry process, or through an Order Set, the Calculated Stop Date/Time is automatically entered into the order, and can be edited later. If the regular order entry process is used, the Calculated Stop Date/Time is shown as a default value during the order entry process, and can be edited immediately.

When calculating the default Stop Date/Time, the software uses the following criteria (in the order shown):

1. If the order was created in CPRS and a duration is received with the order, the order's default Stop Date/Time is calculated using the default Start Date/Time plus the duration. The system also calculates the default Stop Date/Time that would have been used if no duration had been received, and this date is displayed as the Calculated Stop Date/Time.

2. If the patient has a default Stop Date/Time associated with him/her, and this date/time is not less than the current date/time, the order's default Stop Date/Time will be set to the patient's default Stop Date/Time.

3. If the order has a Schedule Type of One-Time, the ward parameter, DAYS UNTIL STOP FOR ONE-TIME, is accessed to determine the stop date. When the ward parameter is not available, the system parameter, DAYS UNTIL STOP FOR ONE-TIME, will be used to determine the stop date. When neither parameter has been set, one-time orders will use the ward parameter, DAYS UNTIL STOP DATE/TIME, to determine the stop date instead of the start and stop date being equal.

4. If the Orderable Item of the order contains a day or dose limit and the Start Date/Time of the order plus the day or dose limit is less than the order's current default Stop Date/Time, the order's default Stop Date/Time will equal the order Start Date/Time plus the day or dose limit.

5. If the default Stop Date/Time has not been determined by the previous methods, the order's default Stop Date/Time will be calculated using the DAYS UNTIL STOP DATE/TIME and TIME OF DAY THAT ORDERS STOP parameters. These parameters may be edited under the *Inpatient Ward Parameters Edit* [PSJ IWP EDIT] option under the *PARameters Edit Menu* [PSJ PARAM EDIT MENU] option under the *Supervisor's Menu* [PSJU FILE] option. If a number is found for the DAYS UNTIL STOP DATE/TIME, the Stop Date of the order will be set to the Start Date of the order plus this number. If no number is found, the Stop Date of the order will be set to the Start Date of the order plus fourteen days. The default Stop Time will be set to the military time found in the TIME OF DAY THAT ORDERS STOP parameter. If no time is found in this parameter, the Stop Time will be set to the order's Start Time.

18.5.3. Patient's Default Stop Date/Time

The software shows a default Stop Date/Time for the order when creating and renewing orders. The default depends largely on the patient's default Stop Date/Time (sometimes referred to as the patient's "wall").

A wall will exist for a patient if the SAME STOP DATE ON ALL ORDERS parameter is set to **YES**. This parameter may be edited with the *Inpatient Ward Parameters Edit* [PSJ IWP EDIT] option under the *PARameters Edit Menu* [PSJ PARAM EDIT MENU] option under the *Supervisor's Menu* [PSJU FILE] option.

The wall for the patient is calculated based on the DAYS UNTIL STOP DATE/TIME and the TIME OF DAY THAT ORDERS STOP parameters. These parameters may be updated under the *PARameters Edit Menu* [PSJ PARAM EDIT MENU] option under the *Supervisor's Menu* [PSJU FILE] option. If a number is found for the DAYS UNTIL STOP DATE/TIME, the date of the wall will be set to the Start Date of the order being created plus this number. If no number is found, the date of the wall will be set to the Start Date of the order plus fourteen days. If a time is found in the TIME OF DAY THAT ORDERS STOP parameter, the time of the wall will be set to that time. If no time is found, the time for the wall will be set to the order's Start Time.

The following tells when the wall is updated:

1. If the patient has no active orders, the wall is set to NULL.
2. If the order is a new order and the patient's current wall is less than the current date/time, a new wall is assigned.
3. If the order is created due to an edit, the wall remains the same.

Note: The wall may be edited by a pharmacist, or pharmacy technician, using the *Edit Patient's Default Stop Date* [PSJU CPDD] option.

18.5.4. Pick List Wall

When a pick list is created (run), the START DATE selected is in effect a wall for the pick list. As long as the actual date (and time) is less than the Start Date, the pick list can be updated. Also, until the Start Date is reached, the pick list cannot be filed away. Conversely, once the Start Date is reached, the pick list can be filed away, but can no longer be updated.

The user can now enter units dispensed before the Start Date is reached to allow greater accuracy of the units needed when a pick list is sent to the ATC dispensing machine.

Note: If the user enters the units dispensed for a pick list before the Start Date is reached and then updates the pick list, the units dispensed data could be lost for any order that is updated.

PSJI PHARM TECH	The name of the *key* that must be assigned to pharmacy technicians using the IV module. This key allows the technician to finish IV orders, but not verify them.
PSJI PURGE	The key that must be assigned to individuals allowed to purge expired IV orders. This person will most likely be the IV application coordinator.
PSJI RNFINISH	The name of the *key* that is given to a user to allow the finishing of IV orders. This user must also be a holder of the PSJ RNURSE key.
PSJI USR1	The primary menu option that may be assigned to nurses.
PSJI USR2	The primary menu option that may be assigned to technicians.
PSJU MGR	The name of the *primary menu option* and of the *key* that must be assigned to the pharmacy package coordinators and supervisors using the Unit Dose module.
PSJU PL	The name of the *key* that must be assigned to anyone using the *Pick List Menu* options.
PSJ PHARM TECH	The name of the *key* that must be assigned to pharmacy technicians using the Unit Dose module.
PSJ RNFINISH	The name of the *key* that is given to a user to allow the finishing of a Unit Dose order. This user must also be a holder of the PSJ RNURSE key.
PSJ RNURSE	The name of the *key* that must be assigned to nurses using the Unit Dose module.
PSJ RPHARM	The name of the *key* that must be assigned to a pharmacist to use the Unit Dose module. If the package coordinator is also a pharmacist he/she must also be given this key.
PSJ STAT NOW ACTIVE ORDER Mail Group	A mail group that notifies subscribers when a pending STAT or NOW order is made active.

PSJ STAT NOW PENDING ORDER Mail Group	A mail group that notifies subscribers when a pending STAT or NOW order has been received from CPRS.
Quick Code	An abbreviated form of the drug generic name (from one to ten characters) for IV orders. One of the three drug fields on which lookup is done to locate a drug. Print name and synonym are the other two. Use of quick codes will speed up order entry, etc.
Report Device	The device, identified by the user, on which computer-generated reports selected by the user will be printed.
Schedule	The frequency of administration of a medication (e.g., QID, QD, QAM, STAT, Q4H).
Schedule Type	Codes include: **O** - one time (i.e., STAT - only once), **P** - PRN (as needed; no set administration times). **C**-continuous (given continuously for the life of the order; usually with set administration times). **R** - fill on request (used for items that are not automatically put in the cart - but are filled on the nurse's request. These can be multidose items (e.g., eye wash, kept for use by one patient and is filled on request when the supply is exhausted). And **OC** - on call (one time with no specific time to be given, i.e., 1/2 hour before surgery).
Self Med	Medication that is to be administered by the patient to himself.
Standard Schedule	Standard medication administration schedules stored in the ADMINISTRATION SCHEDULE file (#51.1).
Start Date/Time	The date and time an order is to begin.
STAT and NOW Order Notification	Sends a text message to subscribers of the PSJ STAT NOW mail groups when a pending STAT or NOW order has been received from CPRS or has been verified and made active.
Status	**A** - active, **E** - expired, **R** - renewed (or reinstated), **D** - discontinued, **H** - on hold, **I** - incomplete, or **N** - non-verified, **U** – unreleased, **P** – pending, **O** – on call, **DE** – discontinued edit, **RE** – reinstated, **DR** – discontinued renewal.

Stop Date/Time	The date and time an order is to expire.
Stop Order Notices	A list of patient medications that are about to expire and may require action.
Syringe	Type of IV that uses a syringe rather than a bottle or bag. The method of infusion for a syringe-type IV may be continuous or intermittent.
Syringe Size	The syringe size is the capacity or volume of a particular syringe. The size of a syringe is usually measured in number of cubic centimeters (ccs).
TPN	Total Parenteral Nutrition. The intravenous administration of the total nutrient requirements of the patient. The term TPN is also used to mean the solution compounded to provide those requirements.
Units per Dose	The number of Units (tablets, capsules, etc.) to be dispensed as a Dose for an order. Fractional numbers will be accepted.
VA Drug Class Code	A drug classification system used by VA that separates drugs into different categories based upon their characteristics. IV cost reports can be run for VA Drug Class Codes.
VDL	Virtual Due List. This is a Graphical User Interface (GUI) application used by the nurses when administering medications.
WARD GROUP File	File #57.5. This file contains the name of the ward group, and the wards included in that group. The grouping is necessary for the pick list to be run for specific carts and ward groups.
Ward Group Name	An arbitrarily chosen name used to group wards for the pick list and medication cart.
WARD LOCATION File	File #42. This file contains all of the facility ward locations and their related data, i.e., Operating beds, Bedsection, etc. The wards are created/edited using the *Ward Definition* option of the Automatic Data Transmission (ADT) module.

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