



OUTPATIENT PHARMACY

TECHNICAL MANUAL/SECURITY GUIDE

Version 7.0
December 1997

(Revised March 2012)

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 |
|-------|---|--------------|---|
| 03/12 | i, 13-14, 60, 60a-60b, 63 | PSO*7*367 | Added routine PSOFDAUT. Updated NTE Segment listing. (N. Goyal, PM; B. Thomas, Tech Writer) |
| 03/12 | i, 9, 11, 31, 34, 69, 70, 71 | PSO*7*354 | Added new menu option Enter/Edit Automated Dispensing Devices Updated list of files with file 52.53 Added file 52.53 to file security section Added new menu option Enter/Edit Automated Dispensing Devices Added RXD-13 Dispense-To location (N. Goyal, PM; J. Owczarzak, Tech Writer) |
| 02/12 | i-vi, 11 16, 30-31 36, 38-39 58, 60, 63-64 | PSO*7*385 | Removed "TRICARE" from file 52.87 name Changed name of PSO TRICARE and PSO TRICARE MGR security keys to PSO TRICARE/CHAMPVA and PSO TRICARE/CHAMPVA MGR respectively. Updated ePharmacy Menu with correct menu items Added Advanced Beneficiary Notice Code for ePharmacy Rx in Appendix A references (S. Spence, PM; B. Tomlin, Tech Writer) |
| 09/11 | i, ii, 5, 13-14 | PSO*7*382 | Added routine PSOMPHRC. (N. Goyal, PM; J. Owczarzak, Tech Writer) |
| 04/11 | i-ii, 13-14 | PSO*7*343 | Added routine PSOFDAMG. (T. Leggett, PM; B. Thomas, Tech Writer) |
| 04/11 | i, 13-14 | PSO*7*316 | Removed routine PSOQUAP. Documentation released with PSO*7*343. (G. Pickwood, DM; D. Dertien, Tech Writer) |

| Date | Revised Pages | Patch Number | Description |
|-------|--|--------------|--|
| 04/11 | i-iv 11 13-14 19 23 31 36 & 38 40 | PSO*7*251 | Updated the Table of Contents. Change the number of files from 24 to 26. Added the following routines per Bill Tatum, developer for PRE: PSO251PO, PSOCPPRE, PSODDPR1, PSODDPR2, PSODDPR3, PSODDPR4, PSODDPR5, PSODDPR6, PSODGAL1, PSODGDGP, PSODOSCL, PSODOSUN, PSODOSUT, PSOORROC, PSODOSU2, PSOVRPT. Added information under Callable Routines section. And Removed links and added references under the External Interfaces. Updated the External Relations table Change the number of files from 24 to 26. Changed menu item Process Drug/Drug Interactions to Process Order Checks. Removed heading and information under Routine Mapping. (B. Tatum, Developer, M. Colyvas & S. Heiress, Tech Writer) |
| 11/10 | i, ii, 5-6, 11-14, 16, 30-31, 36 | PSO*7*358 | Update routine list, security keys, file list, and options for the Bypass/Override functionality and added in the TRICARE Active Duty Release. (S. Spence, PM; Jon Bolas, Tech Writer) |
| 06/10 | i, 14, 27, 35, 36 | PSO*7*348 | Added routines PSORLST & PSORLST2; added options Prescription List for Drug Warnings and List of Patients/Prescriptions for Recall Notice in Output Reports menu; (N. Goyal, PM; E. Phelps, Tech Writer) |
| 10/09 | 13-14 | PSO*7*326 | Added routine PSOPATLK. (E. Wright, PM; S. B. Scudder, Tech Writer) |
| 08/09 | 14 | PSO*7*320 | Added routines PSORMRX, PSORMRXD, and PSORMRXP. (G. Tucker, PM; S. B. Scudder, Tech Writer) |
| 08/09 | 9, 34 | PSO*7*311 | Deleted Pharmacy Patient Non-VA Meds Report/Clean-up menu. (A. Scott, PM; T. Dawson, Tech Writer) |
| 07/09 | 11, 13-16, 30, 36 | PSO*7*289 | Added files, routines, and the NDC Validation and ePharmacy Site Parameter options to the list. (M. Anthony, PM; G. O'Connor, S. B. Scudder, Tech Writers) |
| 01/09 | 13-15, 63 | PSO*7*305 | Added routine PSOATRFC. Extended the PSOAUTRF security key description. Added the Privacy Notification element to the NTE segment. (G. Tucker, PM; S. B. Scudder, Tech Writer) |

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|----------|----------|----------|----------|----------|----------|----------|----------|
| PSOPMP0 | PSOPMP1 | PSOPMPPF | PSOPOLY | PSOPOST | PSOPOST1 | PSOPOST2 | PSOPOST3 |
| PSOPOST4 | PSOPOST5 | PSOPOST6 | PSOPOST7 | PSOPOST8 | PSOPRA | PSOPRF | PSOPRFSS |
| PSOPRI | PSOPRVW | PSOPST68 | PSOPTPST | PSOQ0076 | PSOQ0186 | PSOQ0236 | PSOQ0496 |
| PSOQ0595 | PSOQCF04 | PSOQMCAL | PSOQRART | PSOQTIU4 | PSOQUAP2 | PSOQUTIL | PSOR52 |
| PSORDS | PSOREF | PSOREF0 | PSOREF1 | PSOREF2 | PSOREJP0 | PSOREJP1 | PSOREJP2 |
| PSOREJP3 | PSOREJP4 | PSOREJU1 | PSOREJU2 | PSOREJU3 | PSOREJU4 | PSOREJUT | PSORELD1 |
| PSORELDT | PSORENW | PSORENW0 | PSORENW1 | PSORENW2 | PSORENW3 | PSORENW4 | PSORESK |
| PSORESK1 | PSORESUS | PSORFL | PSORLST | PSORLST2 | PSORMRX | PSORMRXD | PSORMRXP |
| PSORN52 | PSORN52A | PSORN52C | PSORN52D | PSORPTS | PSORPTS1 | PSORX1 | PSORXCLE |
| PSORXDL | PSORXED | PSORXED1 | PSORXEDT | PSORXI | PSORXL | PSORXL1 | PSORXLAB |
| PSORXPA1 | PSORXPR | PSORXPR1 | PSORXRP1 | PSORXRP2 | PSORXRPT | PSORXVW | PSORXVW1 |
| PSORXVW2 | PSOSD | PSOSD0 | PSOSD1 | PSOSD2 | PSOSD3 | PSOSDP | PSOSIG |
| PSOSIGCX | PSOSIGDS | PSOSIGMX | PSOSIGNO | PSOSIGTX | PSOSITED | PSOSPSIG | PSOSTART |
| PSOSUBCH | PSOSUCH1 | PSOSUCHG | PSOSUCLE | PSOSUDCN | PSOSUDEL | PSOSUDP1 | PSOSUDP2 |
| PSOSUDPR | PSOSUINV | PSOSULB1 | PSOSULBL | PSOSULOG | PSOSUP | PSOSUPAT | PSOSUPOE |
| PSOSUPRX | PSOSURST | PSOSUSTR | PSOSUSRP | PSOSUTL | PSOSUTL1 | PSOTALK | PSOTALK1 |
| PSOTALK2 | PSOTALK3 | PSOTPCAN | PSOTPCEE | PSOTPCL | PSOTPCLP | PSOTPCLR | PSOTPCLW |
| PSOTPCR1 | PSOTPCR2 | PSOTPCUL | PSOTPENV | PSOTPHL1 | PSOTPHL2 | PSOTPPOS | PSOTPPRE |
| PSOTPPRV | PSOTPRX1 | PSOTRI | PSOTRLBL | PSOUTIL | PSOUTL | PSOUTLA | PSOUTLA1 |
| PSOVCNT | PSOVDF1 | PSOVDF2 | PSOVDF3 | PSOVDFK | PSOVER | PSOVER1 | PSOVER2 |
| PSOVERC | PSOVRPT | | | | | | |

Segments used in the Outpatient Pharmacy HL7 interface Dispense Request:

| SEGMENT | SEQ# | LEN | DT | R/O | RP/# | TBL# | ELEMENT NAME | EXAMPLE | |
|---------|------|-----|-----|-----|------|------|--|---|---|
| MSH | 1 | 1 | ST | R | | | Field Separator | | |
| | 2 | 4 | ST | R | | | Encoding Characters | ~^ \& | |
| | 3 | 180 | HD | R | | 0361 | Sending Application | PSO VISTA | |
| | 4 | 180 | HD | R | | 0362 | Sending Facility – station ID and station DNS name | 521~FO-BIRM.MED.VA.GOV~DNS | |
| | 5 | 180 | HD | R | | 0361 | Receiving Application | PSO DISPENSE | |
| | 6 | 180 | HD | R | | 0362 | Receiving Facility – DNS name and port of dispensing machine | ~DISPENSE.VH A.MED.VA.GOV :9300~DNS | |
| | 7 | 26 | TS | | | | Date/Time of Message | 20040405152416 | |
| | 9 | 15 | CM | R | 0076 | | Message Type | RDS~013 | |
| | 10 | 20 | ST | R | | | Message Control ID | 10001 | |
| | 11 | 3 | PT | R | 0103 | | Processing ID | P | |
| | 12 | 3 | VID | R | 0104 | | Version ID | 2.4 | |
| | 15 | 2 | ID | | | 0155 | Accept Ack. Type | AL | |
| | 16 | 2 | ID | | | 0155 | Application Ack Type | AL | |
| | PID | 3 | 250 | CX | R | Y | | Patient ID (will contain IEN, SSN, ICN, Claim #, etc if exists) | 218~~~USVHA&&0363~PI~VA FACILITY ID&500&L |
| | | 5 | 250 | XPN | R | | | Patient Name | OPPATIENT~ON E |
| | | 7 | 26 | TS | R | | | Date/Time of Birth | 19280622 |
| 8 | | 1 | IS | | | 0001 | Administrative Sex | M | |
| 11 | | 250 | XAD | R | Y/3 | | Patient Address | 164 Friendship DR~""~TROY~N Y~12180~~P~"" | |
| 13 | | 250 | XTN | R | Y/3 | | Phone Number-Home | (555)555-5555 | |
| | | | | | | | | | |
| PV1 | 2 | 1 | IS | R | | 0004 | Patient Class | O for Outpatient | |
| PV2 | 24 | 15 | IS | R | Y | | Patient Status Code | SC~NO COPAY | |
| IAM | 2 | 250 | CE | O | Y | 0127 | Allergen Type Code | D~DRUG~LGM R120.8 | |
| | 3 | 250 | CE | R | Y | | Allergen Code/Mnemonic/Description | 128~ASPIRIN~L GMR120.8 | |
| | 4 | 250 | CE | O | Y | 0128 | Allergy Severity Code | SV | |
| | 5 | 15 | ST | O | Y | | Allergy Reaction Code | ALLERGY | |
| | 13 | 26 | TS | O | Y | | Reported Date/Time | 19961205 | |
| | 17 | 250 | CE | O | Y | 0438 | Allergy Clinical Status Code | C | |
| | | | | | | | | | |

Segments used in the Outpatient Pharmacy HL7 interface Dispense Request: (continued)

| SEGMENT | SEQ# | LEN | DT | R/O | RP/# | TBL# | ELEMENT NAME | EXAMPLE |
|---------|------|------|-----|-----|------|------|--|---|
| ORC | 1 | 2 | ID | R | | 0119 | Order Control | NW |
| | 2 | 80 | EI | C | | | Placer Order Number | 402331~OP7.0 |
| | 9 | 26 | TS | O | | | Date/Time of Transaction | 20040405 |
| | 10 | 250 | XCN | R | | | Entered By | 10~OPPROVIDE R~TWO |
| | 12 | 250 | XCN | O | | | Ordering Provider | 987~OPPROVID ER~ONE |
| | 13 | 80 | PL | O | | | Enterer's Location | _TNA1225: |
| | 15 | 26 | TS | O | | | Order Effective Date | 20030616 |
| | 16 | 10 | ST | R | | | Order Control Code Reason | NEW |
| | 17 | 250 | CE | O | | | Entering Organization | 57~7 TH FLOOR~99PSC |
| | 19 | 250 | XCN | O | | | Action By | 65421~OPPROVI DER5~THREE |
| | 20 | 250 | CE | O | | 0339 | Advanced Beneficiary Notice Code | VA5 |
| | 21 | 250 | XON | O | | | Ordering Facility Name | AL BANY~~500 |
| | 22 | 250 | XAD | O | | | Ordering Facility Address | 101 CHURCH AVE~~ALBANY ~NY~12208 |
| | 23 | 250 | XTN | O | | | Ordering Facility Phone #r | (518)555-5554 |
| NTE | 1 | 1 | SI | O | | | Set ID | 1 |
| | 3 | 6553 | FT | O | | | Comment | USE 50 FOR TESTING BY MOUTH TWICE A DAY FOR 30 DAYS |
| | 4 | 250 | RE | O | | | Comment Type – 1 = Medication Instructions 2 = Patient Instructions Narrative 3 = Drug Warning Narrative 4 = Profile Information 5 = Drug Interactions 6 = Drug Allergy Indications 7 = PMI Sheet 8 = Medication Instructions 9 = Privacy Notification | Medication Instructions |

Segments used in the Outpatient Pharmacy HL7 interface Dispense Request: (continued)

| SEGMENT | SEQ# | LEN | DT | R/O | RP/# | TBL# | ELEMENT NAME | EXAMPLE |
|---------|------|-----|----|-----|------|------|---------------------|---|
| RXE | 1 | 200 | TQ | R | | | Quantity/Timing | Null |
| | 2 | 250 | CE | R | | | Give Code | XH001~HEMAT EST TAB (NOT FOR ORAL USE)~99PSNDF~ 3207.12039.4321 ~HEMATEST REAGENT TAB. 100/BTL~99PSD |
| | 3 | 20 | NM | R | | | Give Amount-Minimum | Null |
| | 5 | 250 | CE | R | | | Give Units | 20~MG~99PSU |
| | 6 | 250 | CE | O | | | Give Dosage Form | 165~TAB,TEST~ 99PSF |
| | 8 | 200 | CM | O | | | Deliver-To Location | WINDOW |

(This page included for two-sided copying.)

[ORC-10] Entered By is the person's pointer to the NEW PERSON file (#200) and name in VistA who keyed in the order.

[ORC-12] Ordering Provider is a composite ID field. The first component is the Provider's pointer to the NEW PERSON file (#200) in VistA and the second component is his/her name.

[ORC-13] Enterer's Location is the printer where the dispensing machine should print the label.

[ORC-15] Order Effective Date is the date/time the order took effect.

[ORC-16] Order Control Code Reason is a coded element field. The fifth component reflects the status of the order (for example, New, Refill, Partial, Reprint, or Partial Reprint).

[ORC-17] Entering Organization is the Clinic number and name.

[ORC-19] Action By is the physician who cosigned, if any, and is a composite field. The first component is the physician's pointer to the NEW PERSON file (#200) in VistA and the second component is his/her name.

[ORC-20] Advanced Beneficiary Notice Code is used to send an indicator to an automated dispensing system that the RX being dispensed is for an electronically billed prescription and that a patient signature is needed. The value of "VA5" will be sent as the indicator in the RDS^O13 Dispense Request message for an ePharmacy patient prescription.

[ORC-21] Ordering Facility Name is the facility name and number found in the OUTPATIENT SITE file (#59).

[NTE] The Set ID field will identify the NTE segment (1=Med. Instructions; 2=Patient Instructions Narrative; 3=Drug Warning Narrative; 4=Profile Information; 5=Drug Interactions; 6=Drug Allergy Indications; 7=PMI Sheet; 8=Medication Instructions; 9=Privacy Notification.) The Comment field will contain the respective information.

[RXE-1] Quantity Timing is a required field but it will not be used in Outpatient Pharmacy V. 7.0. It will always be a null value ("").

[RXE-2] Give Code identifies the substance ordered as encoded by the Pharmacy. The components, in order, are the VA Product ID, VA Product Name, National Drug File, local file pointer, local drug name, and the local file.

[RXE-3] Give Amount - Minimum is a required field but it will not be used in Outpatient Pharmacy V. 7.0. It will always be a null value ("").

[RXE-5] Give Units identifies the units for the give amount as encoded by the VA National Drug file.

[RXE-6] Give Dosage Form is a coded element field. The fourth component is the pointer to the DOSAGE FORM file (#50.606). The fifth component is the form name, and the sixth component is the name of coding system (99PSF).

[RXE-8] Deliver-To-Location is the Method of Pickup (Window or Mail).

[RXE-9] Substitution Status is the value of the TRADE NAME field (#6.5) found in the PRESCRIPTION file (#52).

[RXE-10] Dispense Amount identifies the quantity.

[RXE-11] Dispense Units identifies the units for the dispense amount as encoded by the Pharmacy.

[RXE-13] Ordering Provider's DEA Number will contain the physician's DEA number if the drug is a controlled substance.

[RXE-14] Pharmacist/Treatment Supplier's Verifier ID identifies the pharmacist who verified the order. The first component is the DFN pointer in the NEW PERSON file (#200) of VistA and the second component is the name.

[RXE-18] D/T of Most Recent Refill or Dose Dispensed contains the last date/time the patient received this particular drug. This is the PRIOR FILL DATE field (#102.1) from the PRESCRIPTION file (#52).

[RXE-21] Pharmacy/treatment dispense Instructions. (Label name & VA PRINT NAME).

[RXE-31] Supplementary Code contains three pieces of information:

- An indicator that the drug is a controlled substance or not (Y/N).
- An indicator if the patient is a ScripTalk patient (0 or 1).
- An indicator if the patient's PMI language preference is something other than English (Y/N).

[RXD-1] Dispense Sub-ID Counter identifies the prescription fill number.

[RXD-2] Dispense/Give code will contain the same give code as in RXE-2.

[RXD-9] Dispense Notes have two pieces of information:

- DEA, SPECIAL HDLG field (#3) from the DRUG file (#50).
- NDC field (#27) from the PRESCRIPTION file (#52).

[RXD-10] Dispensing Provider is the person who finished the order.

[RXD-12] Total Daily Dose is the days of supply for a partial fill.

[RXD-13] Dispense-To-Location will contain how the patient will receive the medication. Possible answers are WINDOW, REGULAR MAIL, CERTIFIED MAIL or DO NOT MAIL.

[RXD-15] Pharmacy/Treatment Supplier's Special Dispensing Instructions will indicate what sort of bottle cap should be employed. It is a safety cap or non-safety cap.

[RXD-25] Supplementary Code is the drug warning number and text.

[NTE] This segment following the RXD segment will contain the Patient Medication Instructions if any.

[RXR-1] Route is the medication route.