

PHARMACY DATA MANAGEMENT

**TECHNICAL MANUAL/ SECURITY GUIDE**

# Version 1.0

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Department of Veterans Affairs Product Development

**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** |
| 01/13 | i-iv, 3, 6-6b, 7,  10 - 13 | PSS\*1\*164  PSS\*1\*169 | Removed reference to patch PSS\*1\*146 in the menu  options section  Added Print Interface Data File option to the *Pharmacy Data Management* [PSS MGR] menu  Added Check Drug Interaction option to the *Pharmacy Data Management* [PSS MGR] menu  Moved Menu/Option items from page 7 to page 6a  Added Print Interface Data File option to the PEPS Services menu under the Option Descriptions section  Added Check Drug Interaction option to the Option Descriptions section  Added routine PSSDIUTL  Added Find Unmapped Local Possible Dosages option to the Stand Alone Options section  REDACTED |
| 06/12 | All | PSS\*1\*146 | Reissued document. Removed redundancies due to  MOCHA V.1.0 incremental release; updated formatting and page numeration.  REDACTED |

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# Table of Contents

I ntr oduction 1

File List 2

[File Descriptions 3](#_TOC_250007)

[Menu/Options 3](#_TOC_250006)

[Option Descriptions 7](#_TOC_250005)

[Routines 10](#_TOC_250004)

[Exported Options 12](#_TOC_250003)

[Protocols 13](#_TOC_250002)

[Bulletins 13](#_TOC_250001)

[HL7 Messaging with an External System 13](#_TOC_250000)

Data Archiving and Purging 21

Callable Routines/Entry Points/Application Program Interfaces (APIs) 21

Medication Routes 21

Administration Scheduling 21

External Relations 22

Internal Relations 22

Package-Wide Variables 22

Package Requirements 22

Additional Information 23

Secur ity M anagement 28

Mail Groups 28

Alerts 28

Bulletins 29

Remote Systems 29

Archiving/Purging 29

Contingency Planning 29

Interfacing 29

Electronic Signatures 29

Locked Menu Options 29

Security Keys 30

File Security 31

References 32

Glossar y 33

*(This page included for two-sided copying.)*

## File Descriptions

This package requires the files listed below. Information about the files can be obtained by using the VA FileMan to generate a list of file attributes.

The Data Dictionaries (DDs) are considered part of the online documentation for this software application. Use the VA FileMan *List File Attributes* [DILIST] option*,* under the *Data Dictionary Utilities* [DI DDU] option, to view/print the DDs.

## Menu/Options

The PDM options listed below show the PSS MGR Menu structure.

*Pharmacy Data Management* [PSS MGR] menu:

*CMOP Mark/Unmark (Single drug) *

[PSSXX MARK]

*Dosages…*

[PSS DOSAGES MANAGEMENT]

*Dosage Form File Enter/Edit*

[PSS DOSAGE FORM EDIT]

*Enter/Edit Dosages*

[PSS EDIT DOSAGES]

*Most Common Dosages Report*

[PSS COMMON DOSAGES]

*Noun/Dosage Form Report*

[PSS DOSE FORM/ NOUN REPORT]

*Review Dosages Report*

[PSS DOSAGE REVIEW REPORT]

*Local Possible Dosages Report*

[PSS LOCAL POSSIBLE DOSAGES]

*Request Change to Dose Unit*

[PSS DOSE UNIT REQUEST]

*Drug Enter/Edit*

[PSS DRUG ENTER/ EDIT]

*Order Check Management…*

[PSS ORDER CHECK MANAGEMENT]

*Request Changes to Enhanced Order Check Database*

[PSS ORDER CHECK CHANGES]

*Report of Locally Entered Interactions*

[PSS REPORT LOCAL INTERACTIONS]

*Electrolyte File (IV)*

[PSSJI ELECTROLYTE FILE]

*Lookup into Dispense Drug File*

[PSS LOOK]

*Medication Instruction Management...*

[PSS MED INSTRUCTION MANAGEMENT]

*Medication Instruction File Add/Edit*

[PSSJU MI]

*Medication Instruction File Report*

[PSS MED INSTRUCTION REPORT]

*Medication Routes Management...*

[PSS MEDICATION ROUTES MGMT]

*Medication Route File Enter/Edit*

[PSS MEDICATION ROUTES EDIT]

*Medication Route Mapping Report*

[PSS MED ROUTE MAPPING REPORT]

*Medication Route Mapping History Report*

[PSS MED ROUTE MAPPING CHANGES]

*Request Change to Standard Medication Route*

[PSS MEDICATION ROUTE REQUEST]

*Default Med Route for OI Report*

[PSS DEF MED ROUTE OI RPT]

*Orderable Item Management…*

[PSS ORDERABLE ITEM MANAGEMENT]

*Edit Orderable Items*

[PSS EDIT ORDERABLE ITEMS]

*Dispense Drug/Orderable Item Maintenance*

[PSS MAINTAIN ORDERABLE ITEMS]

*Orderable Item/Dosages Report*

[PSS ORDERABLE ITEM DOSAGES

*Patient Instructions Report*

[PSS INSTRUCTIONS/ ITEMS REPORT]

*Orderable Item Report*

[PSS ORDERABLE ITEM REPORT]

*Formulary Information Report*

[PSSNFI]

*Drug Text Management...*

[PSS DRUG TEXT MANAGEMENT]

*Drug Text Enter/Edit*

[PSS EDIT TEXT]

*Drug Text File Report*

[PSS DRUG TEXT FILE REPORT]

*Pharmacy System Parameters Edit*

[PSS SYS EDIT]

*Standard Schedule Management...*

[PSS SCHEDULE MANAGEMENT]

*Standard Schedule Edit*

[PSS SCHEDULE EDIT]

*Administration Schedule File Report*

[PSS SCHEDULE REPORT]

*Synonym Enter/Edit*

[PSS SYNONYM EDIT]

*Controlled Substances/PKI Reports…*

[PSS CS/PKI REPORTS]

*DEA Spec Hdlg & CS Fed Sch Discrepancy*

[PSS DEA VS CS FED. SCH. DISCR.]

*Controlled Substances Not Matched to NDF*

[PSS CS NOT MATCHED TO NDF]

*CS (DRUGS) Inconsistent with DEA Spec Hdlg*

[PSS CS DRUGS INCON WITH DEA]

*CS (Ord. Item) Inconsistent with DEA Spec Hdlg*

[PSS CS (OI) INCON WITH DEA]

*Send Entire Drug File to External Interface*

[PSS MASTER FILE ALL]

*IV Additive/Solution …*

[PSS ADDITIVE/SOLUTION]

*IV Additive Report*

[PSS IV ADDITIVE REPORT]

*IV Solution Report*

[PSS IV SOLUTION REPORT]

*Mark PreMix Solutions*

[PSS MARK PREMIX SOLUTIONS]

*Warning Builder*

[PSS WARNING BUILDER]

*Warning Mapping*

[PSS WARNING MAPPING]

*PEPS Services…*

[PSS PEPS SERVICES]

*Check Vendor Database Link*

[PSS CHECK VENDOR DATABASE LINK]

*Check PEPS Services Setup*

[PSS CHECK PEPS SERVICES SETUP]

*Schedule/Reschedule Check PEPS Interface*

[PSS SCHEDULE PEPS INTERFACE CK]

*Print Interface Data File*

[PSS VENDOR INTERFACE REPORT]

*Inpatient Drug Management…*

[PSS INP MGR]

*ADditives File*

[PSSJI DRUG]

*Dispense Drug Fields*

[PSSJU DRG]

*Dispense Drug/ATC Set Up*

[PSSJU DRUG/ATC SET UP]

*Edit Cost Data*

[PSSJU DCC]

*EDit Drug Cost (IV)*

[PSSJI EDIT DRUG COST

*MARk/Unmark Dispense Drugs For Unit Dose*

[PSSJU MARK UD ITEMS]

*PRimary Solution File (IV)*

[PSSJI SOLN]

*Check Drug Interaction*

[PSS CHECK DRUG INTERACTION]

### Locked: PSXCM OPM GR

Without the PSXCMOPMGR key, the *CMOP Mark/Unmark (Single drug)* option will not appear on your menu.

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## Option Descriptions

The option descriptions below were retrieved from VA FileMan and provide the PDM options following the initial installation of the PDM package.

|  |  |
| --- | --- |
| **PSS MGR Pharmacy Data Management**  This menu contains the options necessary to build and maintain the PHARMACY (#50.7), and to also build and maintain the Med. Route/Instructions table.  ITEM: PSS DRUG ENTER/EDIT ITEM: PSS LOOK  ITEM: PSSJI ELECTROLYTE FILE ITEM: PSSXX MARK  ITEM: PSS SYS EDIT  ITEM: PSS ORDERABLE ITEM MANAGEMENT ITEM: PSSNFI  ITEM: PSS SYNONYM EDIT  ITEM: PSS DOSAGES MANAGEMENT ITEM: PSS CS/PKI REPORTS ITEM: PSS MASTER FILE ALL  ITEM: PSS MEDICATION ROUTES MGMT ITEM: PSS SCHEDULE MANAGEMENT ITEM: PSS DRUG TEXT MANAGEMENT  ITEM: PSS MED INSTRUCTION MANAGEMENT ITEM: PSS ORDER CHECK MANAGEMENT ITEM: PSS ADDITIVE/SOLUTION  ITEM: PSS WARNING BUILDER ITEM: PSS WARNING MAPPING ITEM: PSS PEPS SERVICES ITEM: PSS INP MGR  ITEM: PSS Check Drug Interaction | ORDERABLE ITEM file |
| -  **PSS DRUG ENTER/EDIT**  Drug Enter/Edit  This option allows the user to edit fields for ALL pharmacy packages if they possess the proper package key. It also will allow the user to match to NDF and Orderable Item.  TYPE: run routine ROUTINE: PSSDEE  - | |
| **PSS LOOK**  Lookup into Dispense Drug File  This option provides a report of all information regarding the dispense drug. TYPE: run routine ROUTINE: PSSLOOK  - | |
| **PSSJI ELECTROYLYTE FILE**  **Electrolyte File (IV)**  This option will allow you to alter the contents of the DRUG ELECTORYLYTES file (#50.4). This is the file that is pointed to by the ELECTROLYTE field in both the IV ADDITIVES (#52.6) and IV SOLUTIONS (#52.7) files.  TYPE: run routine ROUTINE: ELECTRO^PSSIVDRG  - | |
| **PSSXX MARK**  CMOP Mark/Unmark (Single drug) |  |

|  |  |
| --- | --- |
| This option allows the user to mark/unmark a single drug for transmission to the CMOP.  TYPE: run routine ROUTINE: PSSMARK | |
| -  **PSS SYS EDIT**  Pharmacy System Parameters Edit  This option allows the user to edit the Pharmacy System parameters used in Pharmacy Data Management.  TYPE: run routine ROUTINE: PSSYSP  - | |
| **PSS ORDERABLE ITEM MANAGEMENT**  Orderable Item Management  This is the sub-menu driver for Orderable Item maintenance. ITEM: PSS MAINTAIN ORDERABLE ITEMS  ITEM: PSS EDIT ORDERABLE ITEMS ITEM: PSS ORDERABLE ITEM DOSAGES ITEM: PSS INSTRUCTIONS/ITEMS REPORT ITEM: PSS ORDERABLE ITEM REPORT  TYPE: menu | -  - |
| **PSSNFI**  Formulary Information Report  This option provides a listing of pertinent pharmacy formulary information. TYPE: run routine ROUTINE: PSSNFI |
| **PSS SYNONYM EDIT**  Synonym Enter/Edit  The option provides easy access to update the synonym information for an entry in the local DRUG file.  TYPE: run routine ROUTINE: PSSSEE  - | |
| **PSS DOSAGES MANAGEMENT**  Dosages  This menu option contains options that control the editing of dosages. ITEM: PSS DOSAGE FORM EDIT  ITEM: PSS EDIT DOSAGES ITEM: PSS COMMON DOSAGES  ITEM: PSS DOSE FORM/NOUN REPORT ITEM: PSS DOSAGE REVIEW REPORT ITEM: PSS LOCAL POSSIBLE DOSAGES ITEM: PSS DOSE UNIT REQUEST  TYPE: menu  - | |
| **PSS CS/PKI REPORTS**  Controlled Substances/PKI Reports  PKI POST-INSTALL REPORTS PROVIDED AS OPTIONS. ITEM: PSS DEA VS CS FED. SCH. DISCR.  ITEM: PSS CS NOT MATCHED TO NDF ITEM: PSS CS DRUGS INCON WITH DEA ITEM: PSS CS (OI) INCON WITH DEA  TYPE: menu  - | |
| **PSS MASTER FILE ALL**  Send Entire Drug File to External Interface  TYPE: run routine ROUTINE: PSSMSTR | - |
| **PSS MEDICATION ROUTES MGMT**  Medication Routes Management |

|  |  |
| --- | --- |
| This Sub-Menu contains options related to Medication Routes in both the MEDICATION ROUTES (#51.2) File and the STANDARD MEDICATION ROUTES (#51.23) File.  ITEM: PSS MEDICATION ROUTES EDIT ITEM: PSS MED ROUTE MAPPING REPORT ITEM: PSS MED ROUTE MAPPING CHANGES ITEM: PSS MEDICATION ROUTE REQUEST ITEM: PSS DEF MED ROUTE OI RPT  TYPE: menu | |
| -  **PSS SCHEDULE MANAGEMENT**  Standard Schedule Management  This Sub-Menu contains options needed for Schedule maintenance. ITEM: PSS SCHEDULE EDIT  ITEM: PSS SCHEDULE REPORT  TYPE: menu  - | |
| **PSS DRUG TEXT MANAGEMENT**  Drug Text Management  This Sub-Menu contains options concerning Drug Text. ITEM: PSS EDIT TEXT  ITEM: PSS DRUG TEXT FILE REPORT  TYPE: menu | - |
| **PSS MED INSTRUCTION MANAGEMENT**  Medication Instruction Management  The Sub-Menu contains options related to the MEDICATION INSTRUCTION (#51) File. ITEM: PSSJU MI  ITEM: PSS MED INSTRUCTION REPORT  TYPE: menu  - | |
| **PSS ORDER CHECK MANAGEMENT**  Order Check Management  This is the sub-menu for functionality related to managing medication order ITEM: PSS ORDER CHECK CHANGES  ITEM: PSS REPORT LOCAL INTERACTIONS  TYPE: menu | checks.  - |
| **PSS ADDITIVE/SOLUTION**  IV Additive/Solution  This Sub-Menu contains options that can be used to run reports from the IV ADDITIVES (#52.6) File and the IV SOLUTIONS (#52.7) File. It also provides an option to edit the PREMIX (#18) Field in the IV SOLUTIONS (#52.7) File.  ITEM: PSS IV ADDITIVE REPORT ITEM: PSS IV SOLUTION REPORT ITEM: PSS MARK PREMIX SOLUTIONS  TYPE: menu  - | |
| **PSS WARNING BUILDER**  Warning Builder  This option will allow you to define a custom warning label list containing new warning label source and the old Rx Consult file entries. | entries from both the |

|  |  |
| --- | --- |
| TYPE: run routine ROUTINE: PSSWRNB |  |
| -  **PSS WARNING MAPPING**  Warning Mapping  This option is used to match an entry from the old Rx Consult file to the new commercial data source warning file to aid in using the Warning Builder (to identify local warnings that do not have an equivalent entry in the new commercial data source). The user can also enter a Spanish translation for an Rx Consult file entry, if desired, but whenever possible, the new commercial data source's warnings (English or Spanish depending on the patient setting) should be used.  TYPE: run routine ROUTINE: EDIT^PSSWMAP  - | |
| **PSS PEPS SERVICES**  PEPS  ITEM: PSS CHECK VENDOR DATABASE LINK ITEM: PSS CHECK PEPS SERVICES SETUP ITEM: PSS SCHEDULE PEPS INTERFACE CK **ITEM: PSS VENDOR INTERFACE REPORT**  TYPE: menu | -  - |
| **PSS INP MGR**  Inpatient Drug Management  This Sub-Menu contains options related to INPATIENT DRUG MANAGEMENT. ITEM: PSSJI DRUG  ITEM: PSSJU DRG  ITEM: PSSJU DRUG/ATC SET UP ITEM: PSSJU DCC  ITEM: PSSJI EDIT DRUG COST ITEM: PSSJU MARK UD ITEMS ITEM: PSSJI SOLN  TYPE: Menu |
| **PSS CHECK DRUG INTERACTION**  Check Drug Interaction  This menu contains options pertaining to maintaining pharmacy  data files, creating Pharmacy Orderable Items, and the Medication Route/ Instructions table among other assorted functions.  TYPE: run routine ROUTINE: PSSDIUTL |

## Routines

The following routines are used by the Pharmacy Data Management package.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PSS0052 | PSS0093 | PSS0114 | PSS102RP | PSS117EN | PSS117PO |
| PSS127PI | PSS127PT | PSS129EN | PSS147EN | PSS147PO | PSS1P135 |
| PSS1P154 | PSS1P23 | PSS1P43 | PSS32P3 | PSS32P5 | PSS50 |
| PSS50A | PSS50A1 | PSS50AQM | PSS50ATC | PSS50B | PSS50B1 |
| PSS50B2 | PSS50C | PSS50C1 | PSS50CMP | PSS50D | PSS50DAT |
| PSS50DOS | PSS50E | PSS50F | PSS50F1 | PSS50LAB | PSS50NDF |
| PSS50P4 | PSS50P66 | PSS50P7 | PSS50P7A | PSS50TMP | PSS50WS |
| PSS51 | PSS51P1 | PSS51P15 | PSS51P1A | PSS51P1B | PSS51P1C |
| PSS51P2 | PSS51P5 | PSS51P5 | PSS52P6A | PSS52P6B | PSS52P7 |
| PSS52P7A | PSS54 | PSS55 | PSS551 | PSS55MIS | PSS59P7 |
| PSS70UTL | PSS781 | PSSADDIT | PSSADRPT | PSSAUTL | PSSBPSUT |
| PSSCHENV | PSSCHPRE | PSSCHPST | PSSCLDRG | PSSCLINR | PSSCLOZ |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PSSCMOPE | PSSCOMMN | PSSCPRS | PSSCPRS1 | PSSCREAT | PSSCSPD |
| PSSCUSRQ | PSSDACS | PSSDAWUT | PSSDDUT | PSSDDUT2 | PSSDDUT3 |
| PSSDEE | PSSDEE1 | PSSDEE2 | PSSDELOI | PSSDENT | PSSDFEE |
| PSSDGUPD | PSSDI | PSSDIN | PSSDINT | PSSDIUTL | PSSDOS |
| PSSDOSED | PSSDOSER | PSSDOSLZ | PSSDOSRP | PSSDRINT | PSSDSAPA |
| PSSDSAPD | PSSDSAPI | PSSDSAPK | PSSDSAPL | PSSDSAPM | PSSDSBBP |
| PSSDSBDA | PSSDSBDB | PSSDSBPA | PSSDSBPB | PSSDSBPC | PSSDSBPD |
| PSSDSDAT | PSSDSEXC | PSSDSFDB | PSSDSPON | PSSDSPOP | PSSDTR |
| PSSEC123 | PSSENV | PSSENVN | PSSFDBRT | PSSFIL | PSSFILED |
| PSSFILES | PSSGENM | PSSGIU | PSSGMI | PSSGS0 | PSSGSGUI |
| PSSGSH | PSSHELP | PSSHFREQ | PSSHL1 | PSSHLSCH | PSSHLU |
| PSSHRCOM | PSSHRENV | PSSHREQ | PSSHRIT | PSSHRPST | PSSHRQ2 |
| PSSHRQ2 | PSSHRQ22 | PSSHRQ23 | PSSHRQ2O | PSSHRVAL | PSSHRVL1 |
| PSSHTTP | PSSHUIDG | PSSJEEU | PSSJORDF | PSSJSPU | PSSJSPU0 |
| PSSJSV | PSSJSV0 | PSSJXR | PSSJXR1 | PSSJXR10 | PSSJXR11 |
| PSSJXR12 | PSSJXR13 | PSSJXR14 | PSSJXR15 | PSSJXR16 | PSSJXR17 |
| PSSJXR18 | PSSJXR19 | PSSJXR2 | PSSJXR20 | PSSJXR21 | PSSJXR22 |
| PSSJXR23 | PSSJXR24 | PSSJXR25 | PSSJXR26 | PSSJXR27 | PSSJXR28 |
| PSSJXR29 | PSSJXR3 | PSSJXR30 | PSSJXR31 | PSSJXR32 | PSSJXR33 |
| PSSJXR34 | PSSJXR4 | PSSJXR5 | PSSJXR6 | PSSJXR7 | PSSJXR8 |
| PSSJXR9 | PSSLAB | SSLDALL | PSSLDEDT | PSSLDOSE | PSSLOCK |
| PSSLOOK | PSSMARK | PSSMATCH | PSSMEDCH | PSSMEDRQ | PSSMEDRT |
| PSSMEDX | PSSMIRPT | PSSMONT | PSSMRTUP | PSSMRTUX | PSSMSTR |
| PSSNCPDP | PSSNDCUT | PSSNFI | PSSNFIP | PSSNOD2 | PSSNOUNR |
| PSSNTEG | PSSOICT | PSSOICT1 | PSSOIDOS | PSSOPKI | PSSOPKI1 |
| PSSORPH | PSSORPH1 | PSSORPHZ | PSSORUTE | PSSORUTL | PSSORUTZ |
| PSSOUTSC | PSSP110 | PSSP130 | PSSP134 | PSSPCH13 | PSSPI89 |
| PSSPKIPI | PSSPKIPR | PSSPNSRP | PSSPO129 | PSSPOI | PSSPOIC |
| PSSPOID1 | PSSPOID2 | PSSPOID3 | PSSPOIDT | PSSPOIKA | PSSPOIM |
| PSSPOIM1 | PSSPOIM2 | PSSPOIM3 | PSSPOIMN | PSSPOIMO | PSSPOIMP |
| PSSPOST | PSSPOST2 | PSSPOST5 | PSSPOST6 | PSSPRE | PSSPRE38 |
| PSSPRETR | PSSPRMIX | PSSPRUTL | PSSQOC | PSSQORD | PSSREF |
| PSSREMCH | PSSRXACT | PSSSCHED | PSSSCHRP | PSSSEE | PSSSOLI1 |
| PSSSOLIT | PSSSPD | PSSSUTIL | PSSSXRD | PSSSYN | PSSTRENG |
| PSSTXT | PSSUNMSI | PSSUTIL | PSSUTIL1 | PSSUTIL3 | PSSUTLA1 |
| PSSUTLA2 | PSSUTLAZ | PSSUTLPR | PSSUTLPZ | PSSVIDRG | PSSVX6 |
| PSSVX61 | PSSVX62 | PSSVX63 | PSSVX64 | PSSVX65 | PSSVX66 |
| PSSWMAP | PSSWRNA | PSSWRNB | PSSWRNC | PSSWRNE | PSSXDIC |
| PSSXREF | PSSXRF1 | PSSYSP |  |  |  |

## Exported Options

### Stand-Alone Options

The following is a list of all stand-alone options that are **NOT** exported as part of the main PDM menu [PSS MGR]:

*Other Language Translation Setup*

[PSS OTHER LANGUAGE SETUP]

*Drug Inquiry (IV)*

[PSSJI DRUG INQUIRY]

*Electrolyte File (IV)*

[PSSJI ELECTROLYTE FILE]

*Enable/Disable Vendor Database Link*

[PSS ENABLE/DISABLE DB LINK]

*Add Default Med Route*

[PSS ADD DEFAULT MED ROUTE]

*Find Unmapped Local Possible Dosages*

[PSS LOCAL DOSAGES EDIT ALL]

The *Enable/Disable Vendor Database Link* option exists **ONLY** as a way for technical personnel to turn on/off the database connection if required for debugging. Normally, it is enabled and the Vendor Database updates are performed centrally on the MOCHA Servers, not at the individual sites. It is **NOT** exported as part of the main PDM menu [PSS MGR].



In the rare case where this option is used and the database link is disabled, NO drug-drug interaction, duplicate therapy, or dosing order checks will be performed in Pharmacy or in the Computerized Patient Record System (CPRS).

## Protocols

NAME: PSS EXT MFU CLIENT

DESCRIPTION: This protocol will be used as the ACK from the external interface for a MFN\_M01 message.

NAME: PSS EXT MFU SERVER

DESCRIPTION: This protocol will be used to send event notification and data when new drugs are added to the DRUG file (#50) and when certain fields are updated in the same file. This information will be sent to the automated dispensing machines through HL7 V.2.4 formatted messages.

NAME: PSS HUI DRUG UPDATE

DESCRIPTION: This protocol will be used to send event notification and data when new drugs are added to the Drug file (#50) and when certain fields are updated in same file.

NAME: PSS MED ROUTE RECEIVE

DESCRIPTION: This protocol processes updates to the Standard Medication Routes (#51.23) File.

## Bulletins

NAME: PSS FDB INTERFACE

SUBJECT: ORDER CHECK DATABASE DOWN RETENTION DAYS: 3

PRIORITY?: YES

NAME: PSS FDB INTERFACE RESTORED SUBJECT: ORDER CHECK DATABASE IS BACK UP RETENTION DAYS: 3

PRIORITY?: YES

## HL7 Messaging with an External System

A protocol, PSS HUI DRUG UPDATE, is exported and has been created to generate HL7 messages when new drugs are added to the DRUG file (#50) and existing entries are updated. This protocol is exported with the text “DELETE ONLY TO SEND DRUG UPDATE MESSAGES” in the DISABLE field (#2) of the PROTOCOL file (#101). To activate the sending of these HL7 messages, the text from the DISABLE field (#2) of the PROTOCOL file (#101) must be deleted and at least one receiving protocol added as a subscriber. The drug data elements included in the HL7 message are defined in the following HL7 Drug Message Segment Definition table.

### HL7 Drug Message Segment Definition Table

When the PSS HUI DRUG UPDATE protocol is enabled, the following table defines the data elements sent in each segment of the HL7 drug message.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Segment** | **Piece** | **Field Name** | **HL7 TBL**  **# or Data Type** | **Description** |
| **MSH** | 1 | | | ST | Field Separator |
|  | 2 | ^~\& | ST | Encoding Characters |
|  | 3 | Pharmacy | No suggested value | Sending Application |
|  | 9 | MFN | 0076 | Message Type |
|  |  |  |  |  |
| **MFI** | 1 | 50^DRUG^99PSD | 0175 | Master File ID |
|  | 3 | UPD | 0178 | File-Level Event Code |
|  | 6 | NE | 0179 | Response Level Code |
|  |  |  |  |  |
| **MFA** | 1 | MUP/MAD | 0180 | UPDATE/ADD |
|  |  |  |  |  |
| **MFE** | 1 | MUP/MAD | 0180 | UPDATE/ADD |
|  | 4 | IEN^DRUG  NAME^99PSD |  | File 50 Entry |
|  |  |  |  |  |
| **ZPA** | 1 | NDC | ST | National Drug Code |
|  | 2 | LOCAL NON- FORMULARY | CE | If “1” true |
|  | 3 | INACTIVE DATE | DT | HL7 Format (YYYYMMDD) |
|  | 4 | APPLICATION  PACKAGE USE | ST | Used by what packages |
|  | 5 | MESSAGE | ST | Info on drug |
|  | 6 | VA  CLASSIFICATION | ST | VA Class |
|  | 7 | DEA SPECIAL HDLG | ST | How drug is dispense based on DEA codes |
|  | 8 | FSN | ST | Federal Stock # |
|  | 9 | WARNING LABEL | ST | Drug Warnings for patient |
|  | 10 | VISN NON-  FORMULAR | CE | If ‘1’ true |
|  |  |  |  |  |