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**Table of Contents**

[Introduction 1-6](#_Toc434416988)

[Document Purpose and Intended Audience 1-6](#_Toc434416989)

[Additional References 1-6](#_Toc434416990)

[Section 1 Architecture, Implementation and Maintenance 1-7](#_Toc434416991)

[1.1 PAIT Architecture 1-7](#_Toc434416992)

[1.2 Automated Tracking of PAIT HL7 Message Batches 1-8](#_Toc434416993)

[1.3 Configuring PAIT 1-8](#_Toc434416994)

[1.4 Scheduling the PAIT transmission task 1-10](#_Toc434416995)

[1.5 Enable the SD- PAIT Logical Link 1-11](#_Toc434416996)

[1.6 SD- PAIT Completion Status 1-12](#_Toc434416997)

[1.6.1 Completion Bulletin 1-12](#_Toc434416998)

[1.6.2 Descriptive Text in Completion Bulletins 1-12](#_Toc434416999)

[1.7 SD- PAIT Completion Status 1-13](#_Toc434417000)

[1.7.1 Whole Batch Accept 1-13](#_Toc434417001)

[1.7.2 Whole Batch Accept with Rejections 1-13](#_Toc434417002)

[1.7.3 Whole Batch Reject 1-13](#_Toc434417003)

[1.8 HL7 Batch Creation Process 1-14](#_Toc434417004)

[1.9 Acknowledgement Processing Logic 1-15](#_Toc434417005)

[1.10 External Relationships 1-15](#_Toc434417006)

[1.10.1 Automated Verification on the Forum Server 1-15](#_Toc434417007)

[1.10.2 Outgoing and Upload Statistics Sent Via MailMan 1-16](#_Toc434417008)

[1.11 PAIT Tracking Bulletins 1-16](#_Toc434417009)

[1.11.1 “Job Started” Bulletin on the Forum Server 1-17](#_Toc434417010)

[1.11.2 “PAIT Not Completed” Bulletin 1-17](#_Toc434417011)

[1.11.3 “No Acks” Bulletin 1-18](#_Toc434417012)

[1.11.4 “ACKs Not Completed” Bulletin 1-18](#_Toc434417013)

[1.11.5 “Outgoing IE” Bulletin 1-19](#_Toc434417014)

[1.11.6 “MVS Upload Compare” Bulletin 1-19](#_Toc434417015)

[1.11.7 “Rejection Records Greater than 50” Bulletin 1-20](#_Toc434417016)

[Section 2 SD-PAIT Forum Server Reports 2-1](#_Toc434417017)

[2.1 PAIT Transmission Reports 2-1](#_Toc434417018)

[2.1.1 Completed Background Job Report 2-1](#_Toc434417019)

[2.1.2 All Acks Received Report 2-4](#_Toc434417020)

[2.1.3 Missing Sites Report 2-4](#_Toc434417021)

[2.1.4 Transmitted Sites Report 2-4](#_Toc434417022)

[2.1.5 Ack Status Report 2-7](#_Toc434417023)

[2.1.6 Site Bulletin History 2-8](#_Toc434417024)

[2.1.7 PAIT Summary Report 2-8](#_Toc434417025)

[Section 3 Archiving and Purging 3-1](#_Toc434417026)

[3.1 Files 3-1](#_Toc434417027)

[3.2 Mail Group 3-5](#_Toc434417028)

[3.3 Routines 3-5](#_Toc434417029)

[3.4 Exported VistA Options 3-7](#_Toc434417030)

[3.4.1 Protocols 3-7](#_Toc434417031)

[3.4.2 HL7 Application Parameters 3-8](#_Toc434417032)

[3.4.3 HL Logical Link 3-8](#_Toc434417033)

[3.4.4 Background Job 3-8](#_Toc434417034)

[Section 4 PAIT Processing on Forum Server 4-1](#_Toc434417035)

[4.1 PAIT Transmission Log File on Forum 4-1](#_Toc434417036)

[4.2 PAIT Troubleshooting 4-4](#_Toc434417037)

[4.2.1 From AITC 4-5](#_Toc434417038)

[4.2.2 Product Support 4-7](#_Toc434417039)

[4.3 VistA Communication Problems 4-12](#_Toc434417040)

[Section 5 HL7 Interface Specification for Patient Appointment Information Transmission 5-1](#_Toc434417041)

[5.1 Introduction 5-1](#_Toc434417042)

[5.2 Message Content 5-1](#_Toc434417043)

[5.2.1 Data Capture and Transmission 5-4](#_Toc434417044)

[5.2.2 Batch Messages 5-4](#_Toc434417045)

[5.2.3 Batch Acknowledgements 5-5](#_Toc434417046)

[5.2.4 Batch Lower-Level Protocol 5-5](#_Toc434417047)

[5.3 HL7 Control Segments 5-5](#_Toc434417048)

[5.3.1 Message Definitions 5-5](#_Toc434417049)

[5.3.2 Segment Table Definitions 5-5](#_Toc434417050)

[5.3.3 Message Control Segments 5-5](#_Toc434417051)

[5.4 Supported and User-Defined HL7 Tables 5-16](#_Toc434417052)

[5.5 HL7 Control Segments 5-28](#_Toc434417053)

[Appendix A Glossary 1](#_Toc434417054)

**List of Figures**

[Figure 1-1: Patient Appointment Information Transmission Process 1-7](#_Toc255975428)

[Figure 2-1: HL7 Logical Link 1-9](#_Toc255975429)

[Figure 2-2: TCP Lower Level Parameters 1-9](#_Toc255975430)

[Figure 2-3: Vitria Interface IP Address 1-10](#_Toc255975431)

[Figure 2-4: Edit Option Schedule 1-11](#_Toc255975432)

[Figure 4-1: Vitria IE Monitoring Reports Logon 4-8](#_Toc255975433)

[Figure 4-2: Remote Outgoing Batch Tallies 4-9](#_Toc255975434)

[Figure 4-3: File Uploads to MVS 4-10](#_Toc255975435)

[Figure 4-4: Acks from MVS 4-11](#_Toc255975437)

[Figure 4-5: Remote Incoming Ack Tallies 4-12](#_Toc255975438)

[Figure 4-6: HL7 System Monitor 4-13](#_Toc255975439)

**List of Tables**

[Table 1-1: SIU Event Mapping 1-14](#_Toc434414725)

[Table 1-2: Task and Schedule Description 1-16](#_Toc434414726)

[Table 4-2: Log File Field Names and Descriptions 4-3](#_Toc434414727)

[Table 5-1: Data Fields and HL7 Mappings 5-1](#_Toc434414728)

[Table 5-2: SIU Descriptions 5-4](#_Toc434414729)

[Table 5-3: Message Header Segment (MSH) 5-5](#_Toc434414730)

[Table 5-4: Batch Header Segment (BSH) 5-6](#_Toc434414731)

[Table 5-5: Batch Trailer Segment (BTS) 5-7](#_Toc434414732)

[Table 5-6: Patient Identification Segment (PID) 5-7](#_Toc434414733)

[Table 5-7: Patient Visit Segment (PV1) 5-9](#_Toc434414734)

[Table 5-8: Patient Visit 2 (PV2) 5-10](#_Toc434414735)

[Table 5-9: Appointment Information Personnel Resource Segment (AIP) 5-11](#_Toc434414736)

[Table 5-10: Appointment Information (AIL) 5-11](#_Toc434414737)

[Table 5-11: Schedule Activity Information (SCH) 5-12](#_Toc434414738)

[Table 5-12: VA-Specific Outpatient Classification Segment (ZCL) 5-13](#_Toc434414739)

[Table 5-13: VA-Specific Enrollment Segment (ZEN) 5-13](#_Toc434414740)

[Table 5-14: VA-Specific Service Period Segment (ZSP) 5-13](#_Toc434414741)

[Table 5-15: VA-Specific Patient Eligibility Segment (ZEL) 5-13](#_Toc434414742)

[Table 5-16: VA-Specific Military History Segment (ZMH) 5-14](#_Toc434414743)

[Table 5-17: ZMH – Field Number for Each Field 5-15](#_Toc434414744)

[Table 5-18: ZMH Segment Indicators/Qualifiers 5-16](#_Toc434414745)

[Table 5-19: Event Type 5-16](#_Toc434414746)

[Table 5-20: Patient Class 5-16](#_Toc434414747)

[Table 5-21: Acknowledgment Code 5-16](#_Toc434414748)

[Table 5-22: Message Type 5-17](#_Toc434414749)

[Table 5-23: Patient Status Codes 5-17](#_Toc434414750)

[Table 5-24: Appointment Reason Codes 5-18](#_Toc434414751)

[Table 5-25: Appointment Type Codes 5-18](#_Toc434414752)

[Table 5-26: Filler Status Codes 5-18](#_Toc434414753)

[Table 5-27: Yes or No Description 5-18](#_Toc434414754)

[Table 5-28: Outpatient Classification Type 5-18](#_Toc434414755)

[Table 5-29: Purpose of Visit and Appointment Type 5-19](#_Toc434414756)

[THEN ERR\_CODE = '850'; 5-20](#_Toc434414757)

[Table 5-30: Enrollment Priority 5-20](#_Toc434414758)

[Table 5-31: Scheduling Event Reason 5-20](#_Toc434414759)

[Table 5-32: Error Code Set 5-20](#_Toc434414760)

[Table 5-33: DSS ID and DSS Credit Stop 5-21](#_Toc434414761)

[Table A-1: Term References 1](#_Toc434414762)

# Introduction

## Document Purpose and Intended Audience

TheVistA Patient Appointment Information Transmission (PAIT) software collects and sends appointment scheduling data to the Veterans Health Administration Support Service Center (VSSC) at the Information Technology Center (AITC) in Austin, TX.

The intended audience for this manual includes technical support and maintenance staff in IRM and national support, and developers providing support and maintenance. This manual contains information about PAIT architecture, PAIT components in VistA, FORUM and AITC, HL7 logical link configuration and background job scheduling in VistA, recovering after failed transmissions, troubleshooting certain data rejection errors, the role of PAIT software on the Forum Server, PAIT transmission tracking reports available locally as well as on FORUM and the intranet, automatically generated error bulletins, and PAIT HL7 message specifications.

Beginning April 1, 2015, VSSC no longer uses the patient appointment scheduling data that was sent from each VistA site, so the bimonthly PAIT data transmission to AITC is no longer needed. Transmission of this data will stop after installing Scheduling patch SD\*5.3\*639.

Patch SD\*5.3\*639 release includes:

* Disables SD-PAIT logical Link in the HL LOGICAL LINK (#870) file.
* Unschedules SD-PAIT HL7 nightly background job [SD-PAIT TASKED TRANSMISSION].
* Places the following options ‘out of order’:
* SD-PAIT MANUAL BATCH REJECT
* SD-PAIT MANUAL TRANSMISSION
* SD-PAIT TASKED TRANSMISSION
* SD-PAIT REPAIR
* Inactivates SD-AAC-PAIT and SD-SITE-PAIT HL7 Application Parameters.

## Additional References

The PAIT User Manual and the PAIT Release Notes provide additional information. The User Manual describes PAIT business rules and VistA options.

# Architecture, Implementation and Maintenance

## PAIT Architecture

The following PAIT process is no longer used since PAIT HL7 transmission has been discontinued. Figure 1-1 depicts an overview of the PAIT process.

AITC Vitria

server



AITC

AITC

NPCDB

Figure 1-1: Patient Appointment Information Transmission Process

## Automated Tracking of PAIT HL7 Message Batches

Several features have been designed into the PAIT to ensure that data collected and transmitted are complete and thorough, reach AITC, and are acknowledged.

Each PAIT transmission first scans appointment data in the Patient file (#2) based on the date created, starting from the last previously scanned creation date of the prior transmission through the most recent creation date by traversing the “ASADM” cross-reference of the Patient file. The last previously scanned creation date is stored in the Last Scanned Date (field #1.2) of the Patient Appointment Info Log (file #409.6). Appointment statuses of previously transmitted data are also checked for final status values. Both final and pending appointments are selected for transmission (see SCH.24 Filler Status in the HL7 SIU Event Mapping Table). Next, the Patient Appointment Info Log is scanned for appointments previously sent as Pending entries so that they can be sent again when Final. After an appointment is Final, accepted, and acknowledged, its entry in the Patient Appointment Info Log will be purged.

PAIT Automated Verification will track each site’s data transmission totals through the site’s local Vitria Interface Engine (VIE) to the centralized AITC Interface Engine, then through File Transfer Protocol (FTP) to the AITC mainframe. Totals from each transmission segment are passed to a Server option on Forum and stored. Tasked background jobs on Forum will compare totals from each stage of the transmission and generate MailMan alerts to the VA Service Desk (VASD) when a discrepancy or transmission failure is detected.

Data tracking is performed transparently on the Forum Server to provide a variety of reports which assist in bi-monthly transmissions and provide information to analyze transmissions from all VistA sites.

Acknowledgements are processed in enhanced mode, with full two-phased commit. A commit acknowledgement is requested and processed automatically by the VistA HL7 application.

## Configuring PAIT

The SD-PAIT logical link has been disabled with SD\*5.3\*639 since PAIT HL7 transmission has been discontinued.

The SD-PAIT logical link must be configured on each facility’s VistA system with an IP address and a port number to direct PAIT HL7 messages to a designated local VistA Interface Engine. The first step is to use the HL7 menu to edit the SD-PAIT logical link:

Systems Link Monitor

Filer and Link Management Options ...

Message Management Options ...

Interface Developer Options ...

Site Parameter Edit

Select HL7 Main Menu Option: Interface Developer Options:

EA Application Edit

EP Protocol Edit

EL Link Edit

VI Validate Interfaces Reports ...

Select Interface Developer Options Option: EL Link Edit:

Select HL LOGICAL LINK NODE: SD-PAIT:

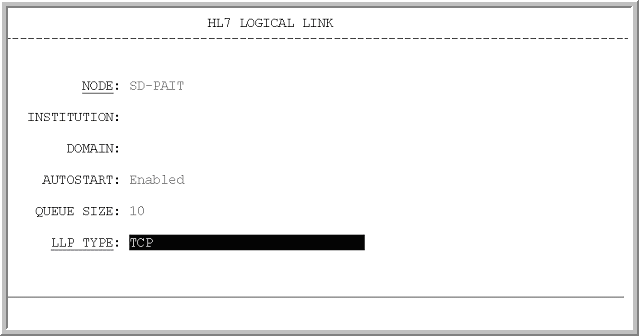


Figure 2-1: HL7 Logical Link

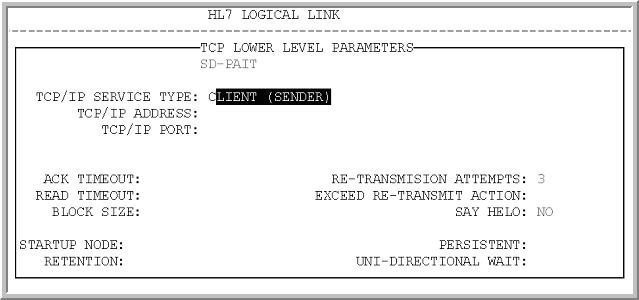


Figure 2-2: TCP Lower Level Parameters

Enter the TCP/IP ADDRESS of your VistA IE I.P. Address for the IE.

Enter the TCP/IP PORT – **9270**

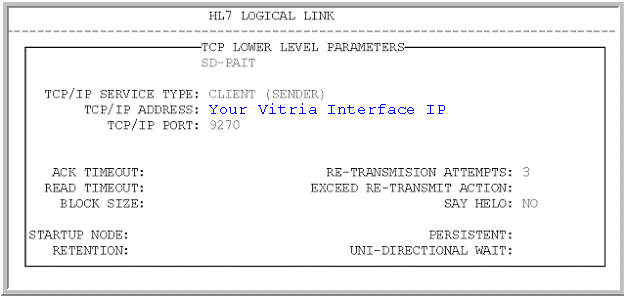


Figure 2-3: Vitria Interface IP Address

## Scheduling the PAIT transmission task

This Taskman PAIT Transmission [SD-PAIT TASKED TRANSMISSION] option has been placed out of order and unscheduled with SD\*5.3\*639 since PAIT HL7 transmission has been discontinued.

Use the Task Manager option Schedule/Unschedule Options [XUTM SCHEDULE] to schedule the Taskman PAIT Transmission [SD-PAIT TASKED TRANSMISSION] option to run on the 1st and 15th of each month. This establishes the bi-monthly transmission schedule.

If a facility’s PAIT transmission job does not start on the 1st or 15th, the VASD will be notified automatically and a Remedy ticket will be opened for troubleshooting. The PAIT job can be restarted up to four days after the 1st or 15th. If PAIT does not run within that window the unsent data will be sent in the next regularly scheduled transmission task. The four-day window restriction is necessary because of AITC processing requirements.

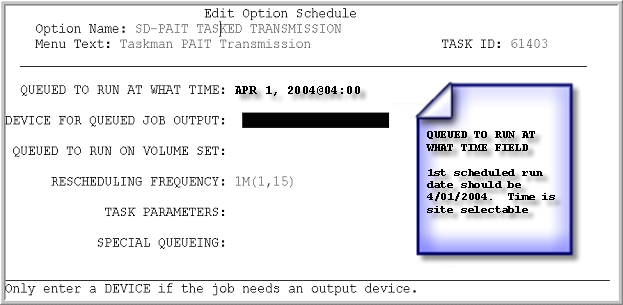


Figure 2-4: Edit Option Schedule

## Enable the SD- PAIT Logical Link

This SD-PAIT logical link has been disabled with SD\*5.3\*639.

Verify that the SD-PAIT logical link is enabled:

Select HL7 Main Menu Option:

Systems Link Monitor

Filer and Link Management Options ...

Message Management Options ...

Interface Developer Options ...

Site Parameter Edit

Select HL7 Main Menu Option: Filer and Link Management Options

SM Systems Link Monitor

FM Monitor, Start, Stop Filers

LM TCP Link Manager Start/Stop

SA Stop All Messaging Background Processes

RA Restart/Start All Links and Filers

DF Default Filers Startup

SL Start/Stop Links

PI Ping (TCP Only)

ED Link Edit

ER Link Errors ...

Select Filer and Link Management Options Option: SL Start/Stop Links

This option is used to launch the lower level protocol for the

appropriate device. Please select the node with which you want

to communicate

Select HL LOGICAL LINK NODE: SD-PAIT

This LLP has been enabled!

## SD- PAIT Completion Status

The subsections below describe in detail the completion status processes and messages.

### Completion Bulletin

A MailMan completion bulletin addressed to the local SD-PAIT mail group will confirm completion of the tasked job. The local job completion message is generated with an appropriate subject. For example:

656 - PAIT BACKGROUND JOB, where 656 = station number.

The bulletin generated at the end of the transmission task in a VistA facility shows when the PAIT job started, the last scanned appointment creation date, appointment and batch statistics, and includes descriptive text such as a warning if a problem is detected:

Subj: 656 - PAIT BACKGROUND JOB  [#5277039] 04/16/04@16:06 13 lines

From: POSTMASTER  In 'IN' basket. Page 1  \*New\*

-------------------------------------------------------------------

The PAIT job has completed - TASK #: 8949063 Log #: 12 on 4/16/04@16:05

Started: 4/16/04                        Last Scanned: 4/15/04

Pending appointments:      33411

Final appointments:        63586

                       ----------

Total appointments:        96997   Number of batches: 20

Fac Log Bch Appt # Date finished IP Address Gen Sent Com R Com P Status

-----------------------------------------------------------------------------------------

656| 12| 20|96997|4/16/04@16:05|10.104.10.89| 379| 378| 378 | 378| Inactive

WARNING: 1 out of 20 batches still have to be transmitted, please verify with the HL7 System Monitor.

Note: The above example shows the IP Address in IPv4 format (10.104.10.89). When IPv6 is implemented, the IP Address will appear in this format (FE80:0000:0000:0000:0202:B3FF:FE1E:8329).

This bulletin will also be sent to SD-PAIT-[SERVER@FORUM.VA.GOV](mailto:SERVER@FORUM.VA.GOV) and to the VASD if the number of generated vs. sent batches indicates a communication problem between a site and its local IE.

*Note: Generated (Gen) and Sent values should be equal when the transmission is complete.*

### Descriptive Text in Completion Bulletins

Descriptive text is printed with the various completion messages to better inform the user of transmission segment status and determine the proper Remedy ticket module if a problem occurs. Below are the possible lines of descriptive text that are added to the MailMan completion message as applicable:

* SUCCESS: Transmission completed.
* WARNING: TASK STOPPED BY USER, NEEDS TO BE RESTARTED. Initiate a Remedy ticket TO FOLLOW UP.
* WARNING: 10 out of 15 still have to be transmitted, please verify with the HL7 System Monitor.
* SD-PAIT Logical Link has to be started, initiate Remedy ticket for Scheduling PAIT.
* Initiate a Remedy ticket for Interface Engine - communication problem.
* WARNING!!!: Transmission of run#: 12 has been repaired, you may restart. The option, SD-PAIT Last Run Repair [SD-PAIT REPAIR], has been placed out of order with SD\*5.3\*639.

As stated in the completion bulletin, Remedy tickets will be generated and addressed to proper services if PAIT is not successful.

## SD- PAIT Completion Status

Application acknowledgements from the receiving AITC application may generate two types of messages: whole batch accept and whole batch accept with rejections. The whole batch reject can only be performed manually. (See the PAIT User Guide for information about the option that can be used to reject a whole batch.)

### Whole Batch Accept

The batch, with all of its individual appointment messages, is accepted by the receiving AITC application. If all messages in a batch are accepted the acknowledgement code returned will be AA. Upon receipt of the acknowledgement message, the sending VistA application executes program logic to update appointment entries in the Patient Appointment Info Log (file #409.6) associated with the batch message. Internal cross-references are examined and those entries in which Retention Flag (field #4) is not set to “Y” are purged from the file.

### Whole Batch Accept with Rejections

The batch message is accepted, but some individual messages (appointments) are rejected by the receiving AITC application. If any message in a batch is rejected, the acknowledgement code for the batch will be AE. Upon receipt of this acknowledgement message, the sending VistA application executes program logic to update entries in the Patient Appointment Info Log (file # 409.6), associated with the batch message.

Messages rejected individually may have the Error Message (field #7) updated with a pointer to one of rejection codes in Table 5-1.

### Whole Batch Reject

The batch message and all included messages (appointments) may be rejected by manual rejection, see option Manual Batch Reject [SD-PAIT MANUAL BATCH REJECT], particularly when an expected application acknowledgement has not been received. When a batch is rejected manually, PAIT executes program logic to update entries in the Patient Appointment Info Log (file #409.6) associated with the batch message.

The Error Message (field #7) is updated with rejection code “R.” If the Retention Flag (field #4), is set to “Y” (YES - to be sent when 'Final') entry updates are complete. These records will be retransmitted, even if they are final, because the Error Message (field #7) is populated.

If the Retention Flag is set to “N” (NO, was sent as 'Final') then the Retention Flag is changed to “Y,” making that entry available for resending. No entries in the rejected batch are deleted from the Patient Appointment Info Log.

## HL7 Batch Creation Process

Up to 5000 appointments are collected in a temporary global (^TMP) which is used to create an HL7 batch transmission. After the batch data has been moved to the HL7 processing queue, the temporary global data is deleted and the process of generating data for transmission continues until all required data is generated and transmitted. This design allows for an immediate transmission of partial data while the generation process is still in progress and prevents the temporary global from becoming too large. The process is repeated until all required data is generated and transmitted. Monitoring the transmission of HL7 batches on the SD-PAIT link can be done in the System Link Monitor under the HL7 Main Menu.

The Final or Pending status of an appointment is based on the appointment’s Event Reason and Appointment Type as defined for HL7 SIU messages. Please note that all Check-Out (CO) appointments are considered Final, including those that are still Action-Required (AR). That decision was made assuming that the appointment is Final when the ‘check-out’ process is initiated, meaning the patient is present for the appointment. The Event Reason and Appointment Type, as well as Pending versus Final states, are represented by SCH.25 Filler Status and mapped in Table 1-1 SIU Event Mapping.

Identifiers in Table 1-1 were determined to reflect the existing computed appointment status in the VistA application as well as newly defined identifiers to allow tracing the continuity of canceled and rescheduled appointments and selecting proper appointments from the scheduled “non-count” clinic group. Combinations of Event Reason and Appointment Type that fall outside of Table 1-1 will be rejected by AITC.

All updated records should be Final and their previous base records, if any, were Pending. With each transmission Pending and Final records are sent. Some appointments are in a Final state when they are sent for the first time, and others have been transmitted previously in a Pending state. (See the Appointment Selection and Transmission section of the User Manual for a more detailed explanation.) All new Pending records are generated starting from the last creation date of the previous transmission.

Table 1-1 expresses all of the appointment attributes required for Pending and Final appointment states. Event reason and appointment type are interpreted as the primary and alternate identifiers.

Table 1-1: SIU Event Mapping

| **SIU Event** | **SCH.25 Filler Status** | **SCH.6 Event Reason** | **SCH.8 Appt Type** |
| --- | --- | --- | --- |
| S12 | Pending | Check-in (CI) | Action required (AR) |
| S12 | Pending |  | No Action Taken (NAT) |
| S12 | Pending |  | Future (F) |
| S12 | Pending |  | Non Count (NC) |
| S12 | Pending |  | Inpatient (I) |
| S12 | Pending |  | Non Count Future (NCF) |
| S26 | Final | No Show (NS) |  |
| S26 | Final | No Show (NS) | Auto Rebook (ABK) |
| S15 | Final | Cancelled by Clinic (CC) | Re-schedule (RS) |
| S 15 | Final | Cancelled by Clinic (CC) |  |
| S15 | Final | Cancelled by Clinic (CC) | Auto Rebook (ABK) |
| S15 | Final | Cancelled by Patient (CP) | Re-schedule (RS) |
| S15 | Final | Cancelled by Patient (CP) |  |
| S15 | Final | Cancelled by Patient (CP) | Auto Rebook (ABK) |
| S12 or S14 | Final | Check Out by Encounter (COE) | Non Count (NC) |
| S12 or S14 | Final | No Match (NM) | Non Count (NC) |
| S12 or S14 | Final | Check-out (CO) | Action required (AR) |
| S12 or S14 | Final | Check-out (CO) | Inpatient (I) |
| S12 or S14 | Final | Check-out (CO) | Outpatient (O) |
| S15 | Final | Cancelled Terminated (CT) |  |

## Acknowledgement Processing Logic

Acknowledgements are processed in enhanced mode, full two-phased commit. A commit acknowledgement is requested and processed automatically by the VistA HL7 application. Application acknowledgements from the receiving AITC application may be either whole batch accept or whole batch accept with rejections. Rejection of a whole batch can only be done manually. (See the PAIT User Manual for additional information.) Application acknowledgements are sent to both the sending site’s SD-PAIT Mail Group and to S.SD-PAIT-[SERVER@FORUM.VA.GOV](mailto:SERVER@FORUM.VA.GOV).

## External Relationships

The external relationships that apply to the Forum Server are explained in detail below.

### Automated Verification on the Forum Server

The statuses of batches that are generated, transmitted, and received must be tracked to ensure that each site has completed the bi-monthly transmission. Manual checking would be an extensive and time-consuming task. An automated process on the Forum Server alerts the VASD when any stage of the transmission process fails. Tasked background jobs scheduled to run on the Forum Server incorporate elements from the VistA Interface Engine (VIE) and AITC. VIE is expected to report the number of batches received per site, and AITC is expected to report the number of batches received and a total of all appointments received. Discrepancies with the VistA completion messages generate warning messages to the VASD.

As each site starts and completes a designated task, a status message is sent to the Forum Server. Six background tasks related to the PAIT status, and one to detect over 50 rejections at a single site, are initiated at scheduled intervals on Forum to determine the status of PAIT at each site:

1. SD-PAIT TL TASKED S SD-PAIT TASKED STARTUP FAILED

2. SD-PAIT TL TASKED O SD-PAIT TASKED OUTGOING IE COMPARE

3. SD-PAIT TL TASKED B SD-PAIT TASKED BACKGROUND JOB NOT COMPLETE

4. SD-PAIT TL TASKED NA SD-PAIT TASKED NO ACKS

5. SD-PAIT TL TASKED A SD-PAIT TASKED ACKS NOT COMPLETE

6. SD-PAIT TL TASKED U SD-PAIT TASKED MVS UPLOAD COMPARE

7. SD-PAIT TL TOTAL RJ SD-PAIT TL TASKED REJECTIONS

### Outgoing and Upload Statistics Sent Via MailMan

A PAIT component on the Forum Server accepts and processes PAIT completion messages sent from VA sites, as well as messages from the VIE and AITC. Outgoing batch and Multiple Virtual Storage (MVS) upload reports and the acknowledgements reports from the IE Webpage have been merged into mail bulletins and are transmitted to the Forum Server. Messages are then processed and used to determine if the transmission has completed for each site. If any site transmission is not complete, a bulletin is generated on the Forum Server and sent to the VASD identifying the site and describing the problem. Based on those bulletins, the VASD creates Remedy tickets.

Table 1-2: Task and Schedule Description

|  |  |  |  |
| --- | --- | --- | --- |
| **Task** | **Schedule 1** | **Schedule 2** | **Description** |
| PAIT Not Started | 07:00 AM 2nd day of month | 07:00 AM 16th day of month | Generates an e-mail bulletin to VASD listing sites that did not start the scheduled PAIT. |
| Outgoing IE | 10:00 AM 3rd day of month | 10:00am 17th day of month | Generates an e-mail bulletin to VASD listing sites where the number of outgoing batches from VistA does not match the number of outgoing batches from the local interface engine – see the Remote Outgoing Batch Tallies report in Vitria IE report. |
| PAIT Not Completed | 11:00 PM 2nd day of month | 11:00 PM 16th day of month | Generates an e-mail bulletin to VASD listing sites that have not completed PAIT. |
| NO Acks | 01:00 AM 7th day of month | 01:00 AM 22nd day of month | Generates an e-mail bulletin to VASD listing sites that have not received any HL7 acknowledgement messages. |
| ACKs not completed | 10:00 AM 7th day of month | 10:00 AM 22nd day of month | Generates an e-mail bulletin to VASD listing sites that have not received all HL7 acknowledgement messages. |
| Uploaded MVS | 01:00 PM 4th day of month | 01:00 PM 18th day of month | Generates an e-mail bulletin to VASD listing sites where the number of outgoing batches from VistA, local interface engine, and AITC ftp to MVS mainframe do not match, see the File Uploads to MVS Vitria IE report. |
| Tasked Rejections | 11:45 PM 8th day of Month | 11:45 PM 23rd day of Month | Generates an e-mail bulletin to the VASD listing sites whose MVS rejections are greater than 50. |
| Background Purge | 04:00 PM 14th day of Month | 04:00 PM 28th day of Month | This background job will purge all entries in the PAIT TRANSMISSION LOG file (#409.8) before the 15th and 28th of each month. |

## PAIT Tracking Bulletins

The following sections describe and illustrate the various PAIT tracking bulletins that are sent from sites to Forum and from Forum to the VASD to report problems.

The Taskman PAIT Transmission [SD-PAIT TASKED TRANSMISSION] option has been placed out of order and unscheduled with SD\*5.3\*639 since PAIT HL7 transmission has been discontinued. This means that there will be no tracking bulletins.

### “Job Started” Bulletin on the Forum Server

At the beginning of each site’s transmission, the PAIT task sends a MailMan bulletin to the local SD-PAIT Mail Group and the Forum Server to confirm that the bi-monthly data collection process has begun. This bulletin gives the status of the SD-PAIT logical link with possible reasons for any communications error. The following is an example of the Job Started bulletin:

Subj: 500 - PAIT START JOB [#19584] 09/21/04@12:11 3 lines

From: POSTMASTER In 'IN' basket. Page 1

-------------------------------------------------------------------------------

The PAIT job has started - TASK #: 2717310

Site Started SD-PAIT status Task #

500 |3040921.121119 |Enabled |2717310

If the Forum Server does not receive a start bulletin from a site by the morning after the expected job start date, it sends the following bulletin to the VASD:

Subj: STARTUP FAILED [#502411] 06/02/09@07:00 5 lines

From: POSTMASTER 1 of 1 response read. In 'PAIT' basket. Page 1

-------------------------------------------------------------------------------

The following site(s) have failed or have not started the bi-monthly PAIT.

Please initiate a Remedy ticket for each site

referencing the Scheduling - PAIT

629 SE Louisiana Veterans HCS

If neither the start bulletin nor any other communication is received on Forum from a site, the following bulletin is sent to the VASD:

Subj: STARTUP FAILED [#510068] 11/16/09@11:07 5 lines

From: POSTMASTER 1 of 1 response read. In 'PAIT' basket. Page 1

-------------------------------------------------------------------------------

The following site(s) did not start the bi-monthly PAIT.

Please initiate a Remedy ticket for each site

referencing the Scheduling - PAIT

675 ORLANDO VAMC has not started at all.

*Note: If the PAIT job was scheduled by a user who has been terminated, the task will run but MailMan will fail to generate the completion bulletin. This may be determined by verifying that the completion bulletin was received.* *The PAIT scheduled task should be deleted and a new one created by an active user.*

### “PAIT Not Completed” Bulletin

The following bulletin is sent to VASD when the completion bulletin has not been received from one or more sites because the transmission was interrupted by a system problem or an application error. If an application error occurred it can be found by checking the site’s error trap on the date when PAIT was interrupted. The cause of the error must be found and addressed. Then the SD-PAIT Last Run Repair [SD-PAIT REPAIR] option must be executed by the site to finalize the interrupted transmission. A new PAIT can be started after the repair is finished.

From: POSTMASTER@FORUM.VA.GOV [mailto:POSTMASTER@FORUM.VA.GOV]

Sent: Monday, September 20, 2004 2:02 PM

To:

Subj: BACKGROUND JOB NOT COMPLETE

The following site(s) have not completed the bi-monthly PAIT background job. Please initiate a REMEDY TICKET for each site referencing the Scheduling PAIT:

541 CLEVELAND VAMC

612 NORTHERN CALIFORNIA HCS

The option, SD-PAIT Last Run Repair [SD-PAIT REPAIR], has been placed out of order with SD\*5.3\*639.

### “No Acks” Bulletin

Typically, this would result from a problem at AITC or the Interface Engine. Acknowledgements sent by AITC and transmitted to the site by the Interface Engine can be verified on two VIE intranet reports:

* Acks from MVS
* Incoming Ack Tallies

The following is a sample bulletin that would be sent from Forum to the VASD:

From: POSTMASTER@FORUM.VA.GOV [mailto:POSTMASTER@FORUM.VA.GOV]=20

Sent: Sunday, June 07, 2009 1:00 AM

To: G.SD-PAIT@FORUM.VA.GOV; VA Service Desk

Subject: NO ACKNOWLEDGEMENTS

The following site(s) have not received ANY acknowledgement

messages for the bi-monthly PAIT. Please initiate a Remedy

ticket for each site referencing the Interface Engine Module:

675 ORLANDO VAMC

The following site(s) have not received ANY acknowledgement

messages for the bi-monthly PAIT. Please initiate a REMEDY TICKET for

each site referencing the Interface Engine Module:

528 UPSTATE NEW YORK HCS

598 CENTRAL ARKANSAS HCS

### “ACKs Not Completed” Bulletin

This would result from a problem at AITC or the Interface Engine. Below is a sample bulletin that would be sent from Forum to the VASD:

From: POSTMASTER@FORUM.VA.GOV [mailto:POSTMASTER@FORUM.VA.GOV]

Sent: Monday, September 20, 2004 2:24 PM

To:

Subject: ACKNOWLEDGEMENTS NOT COMPLETE

The following site(s) have not received all acknowledgements for

the bi-monthly PAIT. Please initiate a REMEDY TICKET for each site

referencing the Interface Engine Module:

541 CLEVELAND VAMC

612 NORTHERN CALIFORNIA HCS

657 ST. LOUIS MO VAMC-JC DIVISION

### “Outgoing IE” Bulletin

The Forum Server compares the number of batches from VistA to the number sent from VIE. The following is a sample Outgoing IE Bulletin notifying VASD to open a Remedy ticket because one or more PAIT HL7 message batches cannot be accounted for:

From: POSTMASTER@FORUM.VA.GOV [mailto:POSTMASTER@FORUM.VA.GOV]

Sent: Friday, September 17, 2004 9:16 AM

To:

Subject: OUTGOING IE COMPARE

The following sites batch message counts comparing the number sent

from VistA and the number sent from local Interface Engine do not match.

Please initiate a REMEDY TICKET for each site listed referencing the Interface

Engine Module:

Site # VISTA SENT OUTGOING IE SENT

528 25 26

557 4 8

589 22 23

603 7 6

629 8 9

679 3 4

This comparison above shows discrepancies between batch numbers generated by a VistA site and batch numbers received by local VIE. If the number of batches in the “OUTGOING IE SENT” column is greater than the “VISTA SENT” column, batch(es) may have been duplicated. If the reverse is true, batch(es) from the site may not have been received by VIE. For example, the counts for station 528 and 603 in the above example can be interpreted as follows:

Station 528: One of the batches might be a duplicate. Use the Outgoing batch tallies report to verify this.

Station 603: It appears that one of the batches generated by the site has not been received by VIE.

All batch count comparison bulletins in the sections below can be interpreted similarly.

### “MVS Upload Compare” Bulletin

PAIT software on Forum tracks and compares the number of batches sent from each site to the number of batches uploaded to the AITC MVS system. Again, it is common to see a greater count uploaded, which may indicate duplication.

From: POSTMASTER@FORUM.VA.GOV [mailto:POSTMASTER@FORUM.VA.GOV]

Sent: Wednesday, September 22, 2004 1:16 PM

To:

Subject: MVS UPLOAD COMPARE

The following sites batch message counts comparing the number sent

from VistA and the number uploaded to MVS do not match. Please

initiate a REMEDY TICKET for each site listed referencing the Interface

Engine Module:

Site # VISTA SENT MVS UPLOADED

528 25 26

540 2 4

557 4 8

589 22 23

603 7 8

614 7 8

629 8 9

631 3 4

679 3 15

### “Rejection Records Greater than 50” Bulletin

The PAIT software on Forum tracks total appointments rejected for each site and sends bulletins to VASD when a site has more than 50 rejections. Example:

From: POSTMASTER@FORUM.VA.GOV [mailto:POSTMASTER@FORUM.VA.GOV]

Sent: Wednesday, September 22, 2008 1:16 PM

To:

Subject: REJECTION RECORDS GREATER THAN 50

The following sites have total PAIT rejections of greater than 50 records. Please initiate a Remedy ticket for each site referencing the Scheduling PAIT.

SITE # SITE NAME TOTAL REJECTIONS

====== ========= ================

541 CLEVELAND VAMC 58

Each site should review the Rejected Transmissions [SD-PAIT REJECTED] report after each transmission is acknowledged to find which appointments were rejected and to address the problem. Some error types can be addressed by Scheduling staff without IRM assistance. See the PAIT User Manual for additional information.

**1.11.8 Troubleshooting Rejection Error Code 350**

If Scheduling staff at the site request IRM assistance with finding and correcting appointments rejected with Error Code 350, “HL7 date is not in proper format or is missing”, programmer access and authority may be needed. Refer to the User Guide chapter on Rejection Codes and Corrections and the following examples illustrating how to find bogus dates in appointment data.

(1) The Rejected Transmissions [SD-PAIT REJECTED] report listed error 350 for a patient’s 12/1/04 appointment. The patient’s DFN is 105723. The bogus date was found in the DESIRED DATE field, which is stored in the Appointment, multiple (“S” node) of the Patient file in the first piece of node 1:

^DPT(105723,"S",304\_\_1201.133,0) = 5142^^^^^^3^^^^^^^^^9^^^

3040315^^^^^0^O^0

^DPT(105723,"S",3041201.133,1) = 1200104^1 <= invalid date value

^DPT(105723,"S",3041201.133,1) = 3041201^1 <= corrected

(2) The Rejected Transmissions [SD-PAIT REJECTED] report listed error 350 for a patient’s 10/11/04 appointment, but the data does not have any bogus dates. The patient’s DFN is 41221.

^DPT(41221,"S",304\_\_1011.1018,0) = 1072^C^^^^^3^^^^^34131

^^303\_\_1014.0845^11^9^^3413 🡨 see cancellation date/time

1^303\_\_1014^^^^^0^O^0

^DPT(41221,"S",304\_\_1011.1018,1) = 3041011^1 no bogus dates found on

^DPT(41221,"S",304\_\_1011.1018,"R") = error this canceled appointment

from the Hospital Location file (#44)

^SC(1072,"S",304\_\_1011.1018,0) = 3041011.1018

^SC(1072,"S",304\_\_1011.1018,1,0) = ^44.003PA^^

Since there were no bogus dates on the original appointment, check the related appointment that was made on the original appointment's cancellation date. In the example above, the cancellation date/time was 303\_\_1014.0845 (10/14/03). Since this is the same date that another appointment was created for the patient in the same clinic, PAIT sees the new appointment as a continuation of the cancelled appointment.

Global ^DPT(41221,"S",1011103.1018

^DPT(41221,"S",1011\_\_103.1018,0) = 1072^^^^^^3^^^^^^^^^9^^^**3031014**^^^^^0^^0 🡨 creation

date

^DPT(41221,"S",1011\_\_103.1018,1) = 1011103^1

The date in the related appointment’s internal subscript (1011103.1018) translates to 11/03/1801, which is a bogus date. This bogus date is the cause of error 350 in this example.

The next example shows both a bogus internal date subscript in the Patient file and the same bogus date in the Hospital Location file.

^DPT(5385\_\_215543,"S",1120303.13,0) = 4532^C^^^^^3^^^^^40347^^3031105.1110^11^9^^40347^ 3031105^^^^^0^^0

^DPT(5385\_\_215543,"S",1120303.13,1) = 3031112^1

^DPT(5385\_\_215543,"S",1120303.13,"R") = error

from Hospital Location File #44

^SC(4532,"S",1120303.13,0) = 1120303.13

^SC(4532,"S",1120303.13,1,0) = ^44.003PA^^

# SD-PAIT Forum Server Reports

## PAIT Transmission Reports

The following menu can be seen in the Forum Server. Access to the PAIT Transmission Reports menu is required to view these reports:

Select FORUM Primary Menu Option: PAIT Transmission Reports

Select PAIT Transmission Reports Option: ?

1 Completed Background Job Report

2 All Acks Received Report

3 Missing Sites Report

4 Transmitted Sites Report

5 Ack Status Report

6 Site Message History

7 PAIT Summary Report

### Completed Background Job Report

If all sites complete PAIT, the count at the bottom of this report should be at least the total number of sites from which a transmission is expected. If for some reason a site started PAIT twice, then the count is increased to reflect additional transmissions. In the example below, site 575 is listed twice, increasing the count from 129 to 130.

Information on this report is generated from the PAIT completion bulletins.

Select PAIT Transmission Reports Option: 1 Completed Background Job Report

START WITH DATE/TIME: Nov 15, 2009// (NOV 15, 2009)

GO TO DATE/TIME: LAST//

DEVICE: 0;80;9999999 UCX DEVICE

Sites - Completed Background Job NOV 24,2009 13:24 PAGE 1

SITE # OF # OF STARTED LAST SCAN

NUMBER COMPLETED BATCHES APPOINTMENTS DATE DATE

----------------------------------------------------------------------------------------------------------------

517 NOV 15, 2009 00:25 4 16702 NOV 15,2009 NOV 14,2009

529 NOV 15,2009 01:14 3 10875 NOV 15,2009 NOV 13,2009

637 NOV 15,2009 01:29 6 26334 NOV 15,2009 NOV 14,2009

610 NOV 15,2009 01:29 5 24845 NOV 15,2009 NOV 14,2009

518 NOV 15,2009 01:33 3 11825 NOV 15,2009 NOV 14,2009

515 NOV 15,2009 01:58 7 30227 NOV 15,2009 NOV 14,2009

548 NOV 15,2009 01:59 12 57011 NOV 15,2009 NOV 14,2009

623 NOV 15,2009 01:19 5 23748 NOV 15,2009 NOV 14,2009

630 NOV 15,2009 02:19 11 52306 NOV 15,2009 NOV 14,2009

666 NOV 15,2009 00:21 2 7051 NOV 15,2009 NOV 14,2009

642 NOV 15,2009 02:28 9 44632 NOV 15,2009 NOV 14,2009

629 NOV 15,2009 01:30 7 30485 NOV 15,2009 NOV 13,2009

659 NOV 15,2009 02:41 12 55373 NOV 15,2009 NOV 14,2009

539 NOV 15,2009 02:53 8 35839 NOV 15,2009 NOV 14,2009

541 NOV 15,2009 02:53 20 97145 NOV 15,2009 NOV 14,2009

512 NOV 15,2009 02:54 9 43375 NOV 15,2009 NOV 14,2009

506 NOV 15,2009 02:59 8 35522 NOV 15,2009 NOV 14,2009

564 NOV 15,2009 02:07 11 54956 NOV 15,2009 NOV 14,2009

546 NOV 15,2009 03:24 14 65766 NOV 15,2009 NOV 14,2009

509 NOV 15,2009 03:29 6 27474 NOV 15,2009 NOV 14,2009

608 NOV 15,2009 03:32 4 17990 NOV 15,2009 NOV 14,2009

689 NOV 15,2009 03:34 10 47627 NOV 15,2009 NOV 14,2009

658 NOV 15,2009 03:43 7 34859 NOV 15,2009 NOV 14,2009

556 NOV 15,2009 02:45 6 28382 NOV 15,2009 NOV 14,2009

557 NOV 15,2009 04:07 4 19217 NOV 15,2009 NOV 14,2009

553 NOV 15,2009 04:11 7 34412 NOV 15,2009 NOV 14,2009

542 NOV 15,2009 04:21 3 11896 NOV 15,2009 NOV 14,2009

626 NOV 15,2009 03:21 14 66816 NOV 15,2009 NOV 14,2009

562 NOV 15,2009 04:26 5 22421 NOV 15,2009 NOV 14,2009

531 NOV 15,2009 02:27 4 18505 NOV 15,2009 NOV 14,2009

552 NOV 15,2009 04:34 6 28769 NOV 15,2009 NOV 14,2009

402 NOV 15,2009 04:37 7 31534 NOV 15,2009 NOV 14,2009

504 NOV 15,2009 03:43 6 25049 NOV 15,2009 NOV 14,2009

668 NOV 15,2009 01:44 5 20153 NOV 15,2009 NOV 14,2009

603 NOV 15,2009 04:46 8 38493 NOV 15,2009 NOV 14,2009

521 NOV 15,2009 03:54 10 45246 NOV 15,2009 NOV 14,2009

583 NOV 15,2009 05:03 14 66695 NOV 15,2009 NOV 14,2009

613 NOV 15,2009 05:06 8 37082 NOV 15,2009 NOV 14,2009

578 NOV 15,2009 04:08 11 53210 NOV 15,2009 NOV 14,2009

646 NOV 15,2009 05:08 10 45822 NOV 15,2009 NOV 14,2009

679 NOV 15,2009 04:10 3 11456 NOV 15,2009 NOV 14,2009

672 NOV 15,2009 06:08 20 96451 NOV 15,2009 NOV 14,2009

652 NOV 15,2009 05:17 10 48938 NOV 15,2009 NOV 14,2009

585 NOV 15,2009 04:19 4 16095 NOV 15,2009 NOV 14,2009

503 NOV 15,2009 05:19 4 17867 NOV 15,2009 NOV 14,2009

573 NOV 15,2009 05:22 21 103169 NOV 15,2009 NOV 14,2009

561 NOV 15,2009 05:26 11 52359 NOV 15,2009 NOV 14,2009

657 NOV 15,2009 04:25 19 92538 NOV 15,2009 NOV 14,2009

502 NOV 15,2009 04:28 5 21931 NOV 15,2009 NOV 14,2009

663 NOV 15,2009 02:33 13 60648 NOV 15,2009 NOV 14,2009

436 NOV 15,2009 03:38 5 23870 NOV 15,2009 NOV 14,2009

534 NOV 15,2009 05:38 8 38071 NOV 15,2009 NOV 14,2009

693 NOV 15,2009 05:49 9 44078 NOV 15,2009 NOV 14,2009

528 NOV 15,2009 05:49 28 138874 NOV 15,2009 NOV 14,2009

678 NOV 15,2009 03:56 10 46186 NOV 15,2009 NOV 14,2009

580 NOV 15,2009 04:56 21 101051 NOV 15,2009 NOV 14,2009

575 NOV 15,2009 04:14 3 13431 NOV 15,2009 NOV 14,2009

600 NOV 15,2009 03:15 9 44893 NOV 15,2009 NOV 14,2009

648 NOV 15,2009 03:17 10 47381 NOV 15,2009 NOV 14,2009

674 NOV 15,2009 05:18 19 94182 NOV 15,2009 NOV 14,2009

589 NOV 15,2009 05:25 25 122231 NOV 15,2009 NOV 14,2009

598 NOV 15,2009 05:27 11 54847 NOV 15,2009 NOV 14,2009

695 NOV 15,2009 05:32 13 63207 NOV 15,2009 NOV 14,2009

688 NOV 15,2009 06:48 8 37499 NOV 15,2009 NOV 14,2009

605 NOV 15,2009 03:53 13 63374 NOV 15,2009 NOV 14,2009

501 NOV 15,2009 05:07 10 47503 NOV 15,2009 NOV 14,2009

687 NOV 15,2009 04:08 2 8141 NOV 15,2009 NOV 13,2009

653 NOV 15,2009 04:22 4 16470 NOV 15,2009 NOV 14,2009

570 NOV 15,2009 04:30 4 19230 NOV 15,2009 NOV 14,2009

463 NOV 15,2009 04:12 3 10946 NOV 15,2009 NOV 14,2009

644 NOV 15,2009 06:13 10 48525 NOV 15,2009 NOV 14,2009

595 NOV 15,2009 08:47 9 41465 NOV 15,2009 NOV 14,2009

358 NOV 15,2009 22:12 1 2893 NOV 15,2009 NOV 13,2009

640 NOV 15,2009 06:22 11 53296 NOV 15,2009 NOV 14,2009

691 NOV 15,2009 06:51 18 87870 NOV 15,2009 NOV 14,2009

614 NOV 15,2009 09:39 9 43469 NOV 15,2009 NOV 14,2009

460 NOV 15,2009 13:26 5 20288 NOV 15,2009 NOV 14,2009

676 NOV 15,2009 13:16 4 16268 NOV 15,2009 NOV 14,2009

620 NOV 15,2009 14:44 7 33414 NOV 15,2009 NOV 14,2009

649 NOV 15,2009 16:00 5 22797 NOV 15,2009 NOV 14,2009

607 NOV 15,2009 17:24 8 35359 NOV 15,2009 NOV 14,2009

650 NOV 15,2009 18:27 6 25412 NOV 15,2009 NOV 14,2009

596 NOV 15,2009 18:34 7 33352 NOV 15,2009 NOV 14,2009

516 NOV 15,2009 18:39 25 123815 NOV 15,2009 NOV 14,2009

632 NOV 15,2009 18:46 7 34688 NOV 15,2009 NOV 14,2009

635 NOV 15,2009 17:46 10 47618 NOV 15,2009 NOV 14,2009

437 NOV 15,2009 18:44 6 29512 NOV 15,2009 NOV 14,2009

438 NOV 15,2009 18:44 5 22320 NOV 15,2009 NOV 14,2009

667 NOV 15,2009 18:50 8 37578 NOV 15,2009 NOV 14,2009

656 NOV 15,2009 18:52 12 56445 NOV 15,2009 NOV 14,2009

581 NOV 15,2009 19:58 6 29727 NOV 15,2009 NOV 14,2009

618 NOV 15,2009 19:18 18 87425 NOV 15,2009 NOV 14,2009

565 NOV 15,2009 20:25 8 36523 NOV 15,2009 NOV 14,2009

757 NOV 15,2009 20:27 6 29106 NOV 15,2009 NOV 14,2009

544 NOV 15,2009 20:32 13 60081 NOV 15,2009 NOV 14,2009

568 NOV 15,2009 18:41 5 24458 NOV 15,2009 NOV 14,2009

508 NOV 15,2009 20:43 13 61307 NOV 15,2009 NOV 14,2009

523 NOV 15,2009 20:47 13 61031 NOV 15,2009 NOV 14,2009

636 NOV 15,2009 20:03 22 107568 NOV 15,2009 NOV 14,2009

442 NOV 15,2009 19:27 4 18018 NOV 15,2009 NOV 14,2009

538 NOV 15,2009 21:30 5 21433 NOV 15,2009 NOV 14,2009

655 NOV 15,2009 21:36 6 26079 NOV 15,2009 NOV 14,2009

660 NOV 15,2009 19:37 6 25735 NOV 15,2009 NOV 14,2009

692 NOV 15,2009 19:28 4 16406 NOV 15,2009 NOV 13,2009

590 NOV 15,2009 22:32 7 32764 NOV 15,2009 NOV 14,2009

526 NOV 15,2009 22:35 5 24867 NOV 15,2009 NOV 14,2009

673 NOV 15,2009 22:51 22 107336 NOV 15,2009 NOV 14,2009

558 NOV 15,2009 23:02 10 46872 NOV 15,2009 NOV 14,2009

631 NOV 15,2009 23:12 3 12512 NOV 15,2009 NOV 14,2009

550 NOV 15,2009 22:12 7 33890 NOV 15,2009 NOV 14,2009

654 NOV 15,2009 20:22 7 34674 NOV 15,2009 NOV 14,2009

540 NOV 15,2009 23:23 6 25206 NOV 15,2009 NOV 14,2009

405 NOV 15,2009 23:23 5 20190 NOV 15,2009 NOV 14,2009

537 NOV 15,2009 22:26 12 56317 NOV 15,2009 NOV 14,2009

612 NOV 15,2009 20:34 13 61623 NOV 15,2009 NOV 14,2009

621 NOV 15,2009 23:44 9 41958 NOV 15,2009 NOV 14,2009

586 NOV 15,2009 22:49 8 35322 NOV 15,2009 NOV 14,2009

520 NOV 15,2009 22:59 12 59018 NOV 15,2009 NOV 14,2009

519 NOV 15,2009 23:12 2 9746 NOV 15,2009 NOV 14,2009

619 NOV 15,2009 23:49 8 37651 NOV 15,2009 NOV 14,2009

593 NOV 15,2009 21:51 8 35926 NOV 15,2009 NOV 14,2009

554 NOV 15,2009 23:08 10 47296 NOV 15,2009 NOV 14,2009

459 NOV 15,2009 20:13 3 13874 NOV 15,2009 NOV 13,2009

671 NOV 16,2009 00:20 20 96171 NOV 15,2009 NOV 14,2009

662 NOV 15,2009 22:39 8 35149 NOV 15,2009 NOV 14,2009

756 NOV 15,2009 23:44 7 30525 NOV 15,2009 NOV 14,2009

549 NOV 16,2009 00:59 21 100530 NOV 15,2009 NOV 14,2009

664 NOV 16,2009 01:12 11 53317 NOV 15,2009 NOV 14,2009

675 NOV 16,2009 13:51 18 87650 NOV 16,2009 NOV 15,2009

575 NOV 17,2009 15:21 1 2433 NOV 17,2009 NOV 16,2009

COUNT 130

### All Acks Received Report

Each application acknowledgement from AITC generates a bulletin to the SD-PAIT local Mail Group and to the Forum Server. The example below shows the Forum Server report with only those sites that have received acknowledgements for all batches.

Select PAIT Transmission Reports Option: 2 All Acks Received Report

\* Previous selection: RUN COMPLETION DATE from Jan 12,2009 to Jan 20,2009@24

:00

START WITH RUN COMPLETION DATE: Jan 12,2009// Feb 1 (FEB 01, 2009)

GO TO RUN COMPLETION DATE: LAST//

DEVICE: 0;80;9999999 UCX DEVICE

All Acks Received Report FEB 6,2009 15:19 PAGE 1

Site Run Completed Acks

--------------------------------------------------------------------------------

358 FEB 1,2009 1 of 1

402 FEB 1,2009 8 of 8

405 FEB 1,2009 5 of 5

436 FEB 1,2009 6 of 6

437 FEB 1,2009 7 of 7

438 FEB 1,2009 5 of 5

442 FEB 1,2009 4 of 4

459 FEB 1,2009 3 of 3

460 FEB 1,2009 5 of 5

463 FEB 1,2009 3 of 3

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COUNT 10

### Missing Sites Report

If any site has not started PAIT, it is listed in this Forum Server report:

Select PAIT Transmission Reports Option: 3 Missing Sites Report

\* Previous selection: REPORT DATE from Feb 1,2009

START WITH REPORT DATE: Feb 1,2009// (FEB 01, 2009)

GO TO REPORT DATE: LAST//

DEVICE: 0;80;999999 UCX DEVICE

Missing Site Report FEB 6,2009 15:20 PAGE 1

MISSING SITE

#

SITE NAME

REPORT DATE

-------------------------------------------------------------------------------

\*\*\* NO RECORDS TO PRINT \*\*\*

### Transmitted Sites Report

The following is an example of the Forum Server Transmitted Sites Report, which is a less comprehensive version of the Completed Background Job Report above:

Select PAIT Transmission Reports Option: 4 Transmitted Sites Report

\* Previous selection: REPORT DATE from Nov 1,2009

START WITH REPORT DATE: Nov 1,2009// NOV 15 (NOV 15, 2009)

GO TO REPORT DATE: LAST//

DEVICE: 0;80;99999999 UCX DEVICE

Transmitted Sites Report NOV 24,2009 13:37 PAGE 1

SITE # SITE NAME TOTAL RECORDS TOTAL BATCHES REPORT DATE

---------------------------------------------------------------------------------------------------------

502 ALEXANDRIA 21931 5 NOV 18,2009

671 ALM MEM VA 96171 20 NOV 18,2009

503 ALTOONA 17867 4 NOV 18,2009

504 AMARILLO V 25098 7 NOV 18,2009

463 ANCHORAGE 10946 3 NOV 18,2009

506 ANN ARBOR 45522 10 NOV 18,2009

637 ASHEVILLE 52668 12 NOV 18,2009

509 AUGUSTA 27474 6 NOV 18,2009

512 BALTIMORE 73375 15 NOV 18,2009

515 BATTLE CRE 60454 14 NOV 18,2009

516 BAY PINES 123815 25 NOV 18,2009

517 BECKLEY 33404 8 NOV 18,2009

518 BEDFORD 30475 8 NOV 18,2009

520 BILOXI 59018 12 NOV 18,2009

521 BIRMINGHAM 45246 10 NOV 18,2009

531 BOISE 18505 4 NOV 18,2009

523 BOSTON 61031 13 NOV 18,2009

526 BRONX 24867 5 NOV 18,2009

528 BUFFALO 163874 33 NOV 18,2009

529 BUTLER 21750 6 NOV 18,2009

534 CHARLESTON 38071 8 NOV 18,2009

442 CHEYENNE 18018 4 NOV 18,2009

537 CHICAGO WE 56317 12 NOV 18,2009

538 CHILLICOTH 21433 5 NOV 18,2009

539 CINCINNATI 45839 10 NOV 18,2009

540 CLARKSBURG 25206 6 NOV 18,2009

541 CLEVELAND 157145 32 NOV 18,2009

542 COATESVILL 11896 3 NOV 18,2009

544 COLUMBIA 60081 13 NOV 18,2009

757 COLUMBUS 29106 6 NOV 18,2009

549 DALLAS 100530 21 NOV 18,2009

552 DAYTON 28769 6 NOV 18,2009

508 DECATUR 61307 13 NOV 18,2009

554 DENVER 47296 10 NOV 18,2009

553 DETROIT VA 39412 8 NOV 18,2009

557 DUBLIN 19217 4 NOV 18,2009

558 DURHAM 46872 10 NOV 18,2009

561 EAST ORANG 52359 11 NOV 18,2009

756 EL PASO VA 30525 7 NOV 18,2009

562 ERIE 22421 5 NOV 18,2009

437 FARGO 29512 6 NOV 18,2009

564 FAYETTEVIL 89956 18 NOV 18,2009

565 FAYETTEVIL 36523 8 NOV 18,2009

436 FORT HARRI 23870 5 NOV 18,2009

568 FORT MEADE 24458 5 NOV 18,2009

570 FRESNO 19230 4 NOV 18,2009

573 GAINESVILL 138169 28 NOV 18,2009

575 GRAND JUNC 18297 5 NOV 18,2009

691 GREATER LO 87870 18 NOV 18,2009

590 HAMPTON 32764 7 NOV 18,2009

578 HINES 53210 11 NOV 18,2009

459 HONOLULU 13874 3 NOV 18,2009

580 HOUSTON 101051 21 NOV 18,2009

581 HUNTINGTON 29727 6 NOV 18,2009

583 INDIANAPOL 66695 14 NOV 18,2009

585 IRON MOUNT 16095 4 NOV 18,2009

586 JACKSON 35322 8 NOV 18,2009

595 LEBANON 41465 9 NOV 18,2009

596 LEXINGTON 33352 7 NOV 18,2009

598 LITTLE ROC 54847 11 NOV 18,2009

605 LOMA LINDA 63374 13 NOV 18,2009

600 LONG BEACH 44893 9 NOV 18,2009

603 LOUISVILLE 38493 8 NOV 18,2009

607 MADISON 35359 8 NOV 18,2009

608 MANCHESTER 17990 4 NOV 18,2009

358 MANILA 2893 1 NOV 18,2009

612 MARTINEZ 61623 13 NOV 18,2009

613 MARTINSBUR 37082 8 NOV 18,2009

614 MEMPHIS 43469 9 NOV 18,2009

546 MIAMI 100766 21 NOV 18,2009

695 MILWAUKEE 63207 13 NOV 18,2009

618 MINNEAPOLI 87425 18 NOV 18,2009

619 MONTGOMERY 37651 8 NOV 18,2009

621 MOUNTAIN H 41958 9 NOV 18,2009

623 MUSKOGEE 47496 10 NOV 18,2009

649 N.ARIZONA 45836 10 NOV 18,2009

501 N.MEXICO V 47503 10 NOV 18,2009

626 NASHVILLE 66816 14 NOV 18,2009

629 NEW ORLEAN 45970 11 NOV 18,2009

630 NEW YORK 104612 22 NOV 18,2009

556 NORTH CHIC 28382 6 NOV 18,2009

631 NORTHAMPTO 12512 3 NOV 18,2009

610 NORTHERN H 49690 10 NOV 18,2009

632 NORTHPORT 34688 7 NOV 18,2009

635 OKLAHOMA C 926304 192 NOV 18,2009

636 OMAHA 107568 22 NOV 18,2009

640 PALO ALTO 53296 11 NOV 18,2009

642 PHILADELPH 79632 16 NOV 18,2009

644 PHOENIX 48525 10 NOV 18,2009

646 PITTSBURGH 45822 10 NOV 18,2009

648 PORTLAND 47381 10 NOV 18,2009

650 PROVIDENCE 25412 6 NOV 18,2009

652 RICHMOND 48938 10 NOV 18,2009

678 S.ARIZONA 46186 10 NOV 18,2009

655 SAGINAW 26079 6 NOV 18,2009

658 SALEM 34859 7 NOV 18,2009

659 SALISBURY 95373 20 NOV 18,2009

660 SALT LAKE 25735 6 NOV 18,2009

664 SAN DIEGO 53317 11 NOV 18,2009

662 SAN FRANCI 35149 8 NOV 18,2009

672 SAN JUAN 96451 20 NOV 18,2009

666 SHERIDAN 12051 3 NOV 18,2009

667 SHREVEPORT 37578 8 NOV 18,2009

438 SIOUX FALL 22320 5 NOV 18,2009

668 SPOKANE 20153 5 NOV 18,2009

656 ST CLOUD 56445 12 NOV 18,2009

673 TAMPA 107336 22 NOV 18,2009

674 TEMPLE 94182 19 NOV 18,2009

402 TOGUS 63068 14 NOV 18,2009

676 TOMAH 16268 4 NOV 18,2009

679 TUSCALOOSA 11456 3 NOV 18,2009

657 VA HEARTLA 92538 19 NOV 18,2009

589 VA HEARTLA 132231 27 NOV 18,2009

620 VA HUDSON 33414 7 NOV 18,2009

550 VA ILLIANA 33890 7 NOV 18,2009

675 VA MEDICAL 87650 18 NOV 18,2009

663 VA PUGET S 60648 13 NOV 18,2009

654 VA RENO 34674 7 NOV 18,2009

653 VA ROSEBUR 16470 4 NOV 18,2009

593 VA SOUTH N 35926 8 NOV 18,2009

692 VA SOUTHER 16406 4 NOV 18,2009

548 W PALM BEA 114022 24 NOV 18,2009

519 W.TEXAS VA 9746 2 NOV 18,2009

687 WALLA WALL 8141 2 NOV 18,2009

688 WASHINGTON 37499 8 NOV 18,2009

689 WEST HAVEN 57627 12 NOV 18,2009

405 WHITE RIVE 20190 5 NOV 18,2009

693 WILKES BAR 44078 9 NOV 18,2009

460 WILMINGTON 20288 5 NOV 18,2009

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COUNT 129

### Ack Status Report

This report is similar to the All Ack’s Received report described above but shows more detail about each individual batch acknowledgement by site.

Select PAIT Transmission Reports Option: 5 Ack Status Report

\* Previous selection: DATE/TIME from Jan 12,2009 to Jan 23,2009@24:00

START WITH DATE/TIME: Jan 12,2009// Feb 1 2009 (FEB 01, 2009)

GO TO DATE/TIME: LAST//

DEVICE: 0;80;9999\_\_9999 UCX DEVICE

ACK STATUS REPORT FEB 6,2009 15:21 PAGE 1

SITE ACKS

NUMBER RUN Ack STATUS COMPLETE DATE/TIME

--------------------------------------------------------------------------------

358 1 of 1 YES FEB 2,2009 16:21

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SUBCOUNT 1

402 1 of 8 FEB 2,2009 17:05

402 2 of 8 FEB 2,2009 17:05

402 3 of 8 FEB 2,2009 17:05

402 4 of 8 FEB 2,2009 17:05

402 5 of 8 FEB 2,2009 17:05

402 6 of 8 FEB 2,2009 17:06

402 7 of 8 FEB 2,2009 17:06

402 8 of 8 YES FEB 2,2009 17:06

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SUBCOUNT 8

405 1 of 5 FEB 2,2009 22:00

405 2 of 5 FEB 2,2009 22:00

405 3 of 5 FEB 2,2009 22:00

405 4 of 5 FEB 2,2009 22:00

405 5 of 5 YES FEB 2,2009 22:00

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SUBCOUNT 5

### Site Bulletin History

This report shows the timing of each phase of the transmission for each site:

Select PAIT Transmission Reports Option: 6 Site Message History

DEVICE: 0;80;9999999 UCX DEVICE

PAIT TRANSMISSION LOG LIST FEB 6,2009 15:22 PAGE 1

SITE

NUMBER MESSAGE TYPE DATE/TIME

--------------------------------------------------------------------------------

358 STARTED TRANSMISSION EB 1,2009 09:00

358 BACKGROUND JOB COMPLETE FEB 1,2009 09:14

358 ACKNOWLEDGMENT FEB 2,2009 16:21

402 STARTED TRANSMISSION FEB 1,2009 04:00

402 BACKGROUND JOB COMPLETE FEB 1,2009 04:42

402 ACKNOWLEDGMENT FEB 2,2009 17:05

402 ACKNOWLEDGMENT FEB 2,2009 17:05

402 ACKNOWLEDGMENT FEB 2,2009 17:05

402 ACKNOWLEDGMENT FEB 2,2009 17:05

402 ACKNOWLEDGMENT FEB 2,2009 17:05

402 ACKNOWLEDGMENT FEB 2,2009 17:06

402 ACKNOWLEDGMENT FEB 2,2009 17:06

402 ACKNOWLEDGMENT FEB 2,2009 17:06

405 STARTED TRANSMISSION FEB 1,2009 23:00

405 BACKGROUND JOB COMPLETE FEB 1,2009 23:20

405 ACKNOWLEDGMENT FEB 2,2009 22:00

405 ACKNOWLEDGMENT FEB 2,2009 22:00

405 ACKNOWLEDGMENT FEB 2,2009 22:00

405 ACKNOWLEDGMENT FEB 2,2009 22:00

405 ACKNOWLEDGMENT FEB 2,2009 22:00

436 STARTED TRANSMISSION FEB 1,2009 05:00

436 BACKGROUND JOB COMPLETE FEB 1,2009 05:33

436 ACKNOWLEDGMENT FEB 2,2009 17:05

436 ACKNOWLEDGMENT FEB 2,2009 17:05

436 ACKNOWLEDGMENT FEB 2,2009 17:05

436 ACKNOWLEDGMENT FEB 2,2009 17:05

436 ACKNOWLEDGMENT FEB 2,2009 17:06

436 ACKNOWLEDGMENT FEB 2,2009 17:06

### PAIT Summary Report

This report summarizes the state of each phase of the PAIT transmission for each site. A legend showing the meanings of column headings appears at the end of the report.

Select PAIT Transmission Reports Option: 7 PAIT SUMMARY REPORT

PAIT Summary Report

Site # NAME START BACKGRND ACKS V O M

358 MANILA-RO Started Finished Complete 1 3

402 TOGUS MAINE VAMC Started Finished Complete 6 6

405 WHITE RIVER JCT VA Started Finished None 3 3

436 MONTANA HCS Started Finished Complete 4 4

437 FARGO VAMROC Started Finished Complete 5 5

438 SIOUX FALLS VAMROC Started Finished Complete 4 4

442 CHEYENNE VAMC Started Finished Complete 1 3

459 VA PACIFIC ISLANDS Started Finished Complete 3 3

460 WILMINGTON VAMC Started Finished Compete 4 4

463 ALASKA VAHSRO Started Finished Complete 2 2

501 NEW MEXICO HCS Started Finished Complete 8 8

502 ALEXANDRIA VAMC Started Finished Complete 4 4

503 ALTOONA Started Finished Complete 4 4

504 AMARILLO HCS Started Finished None 6 6

506 ANN ARBOR VAMC Started Finished Complete 6 6

508 ATLANTA VAMC Started Finished Complete 10 10

509 AUGUSTA VAMC Started Finished Complete 5 5

512 BALTIMORE MD VAMC Started Finished Complete 9 9

515 BATTLE CREEK VAMC Started Finished Complete 6 6

516 BAY PINES VA HCS Started Finished Complete 18 18

517 BECKLEY VAMC Started Finished Complete 3 3

518 BEDFORD VAMC Started Finished Complete 5 5

519 WEST TEXAS HCS Started Finished Complete 3 3

520 BILOXI VAMC Started Finished Complete 10 10

521 BIRMINGHAM VAMC Started Finished Complete 8 8

523 BOSTON HCS VAMC Started Finished Complete 12 12

526 BRONX VAMC Started Finished Complete 5 5

528 UPSTATE NEW YORK H Started Finished Complete 27 27

529 BUTLER Started Finished Complete 2 2

531 BOISE VAMC Started Finished Complete 4 4

534 CHARLESTON VAMC Started Finished Complete 7 7

537 JESSE BROWN VAMC Started Finished Complete 12 12

538 CHILLICOTHE, OH VA Started Finished Complete 4 4

539 CINCINNATI Started Finished Complete 6 6

540 CLARKSBURG VAMC Started Finished Complete 5 5

541 CLEVELAND VAMC Started Finished Complete 19 19

542 COATESVILLE VAMC Started Finished Complete 3 3

544 COLUMBIA, SC VAMC Started Finished Complete 10 10

546 MIAMI VAMC Started Finished None 25

548 WEST PALM BEACH VA Started Finished Complete 12 12

549 NORTH TEXAS HCS Started Finished Complete 16 16

550 ILLIANA HCS Started Finished Complete 6 6

552 DAYTON Started Finished Complete 5 5

553 DETROIT, MI VAMC Started Finished Complete 6 6

554 EASTERN COLORADO H Started Finished Complete 8 8

556 NORTH CHICAGO VAMC Started Finished Complete 5 5

557 DUBLIN VAMC Started Finished Complete 4 4

558 DURHAM VAMC Started Finished Complete 8 8

561 EAST ORANGE-VA NEW Started Finished Complete 9 9

562 ERIE VAMC Started Finished Complete 4 4

564 FAYETTEVILLE AR Started Finished Complete 7 7

565 FAYETTEVILLE NC VA Started Finished Complete 7 7

568 BLACK HILLS HCS Started Finished Complete 5 5

570 CENTRAL CALIFORNIA Started Finished Complete 4 4

573 N. FLORIDA/S. GEOR Started Finished In Progress 20 20

575 GRAND JUNCTION VA Started Finished Complete 2 2

578 HINES, IL VAMC Started Finished Complete 11 11

580 HOUSTON VAMC Started Finished Complete 18 18

581 HUNTINGTON VAMC Started Finished Complete 6 6

583 INDIANAPOLIS VAMC Started Running None 10

585 IRON MOUNTAIN VAMC Started Finished Complete 3 3

586 JACKSON VAMC Started Finished Complete 7 7

589 VA HEARTLAND – WES Started Finished Complete 21 21

590 HAMPTON (VAMC) Started Finished Complete 6 6

593 SOUTHERN NEVADA HC Started Finished Complete 6 6

595 LEBANON VAMC Started Finished Complete 7 7

596 LEXINGTON-LD VAMC Started Finished Complete 6 6

598 CENTRAL ARKANSAS H Started Finished Complete 10 10

600 LONG BEACH,CA VAMC Started Finished Complete 8 8

603 LOUISVILLE, KY VAM Started Finished Complete 6 6

605 LOMA LINDA VAMC Started Finished Complete 11 11

607 MADISON, WI VA HOS Started Finished Complete 6 6

608 MANCHESTER VAMC Started Finished Complete 3 3

610 MARION, IN Started Finished Complete 5 5

612 NORTHERN CALIFORNI Started Finished Complete 10 10

613 MARTINSBURG VAMC Started Finished None 7

614 MEMPHIS VAMC Started Finished Complete 8 8

618 MINNEAPOLIS VAMC Started Finished Complete 15 15

619 CENTRAL ALABAMA HC Started Finished Complete 6 6

620 HUDSON VALLEY HCS Started Finished Complete 6 6

621 MOUNTAIN HOME VAMC Started Finished Complete 6 6

623 JACK C. MONTGOMERY Started Finished Complete 4 4

626 TENNESSEE VALLEY H Started Finished Complete 12 12

629 SE Louisiana Veter Started Finished Complete 5 5

630 NEW YORK HHS Started Finished Complete 12 12

631 NORTHAMPTON VAMC Started Finished Complete 3 3

632 NORTHPORT Started Finished Complete 7 7

635 OKLAHOMA CITY VAMC Started Finished Complete 8 8

636 VA NWIHS, OMAHA DI Started Finished Complete 19 19

637 ASHEVILLE VAMC Started Finished Complete 5 5

640 PALO ALTO HCS Started Finished Complete 10 10

642 PHILADELPHIA, PA V Started Finished Complete 11 11

644 PHOENIX VAMC Started Finished Complete 8 9

646 PITTSBURGH (UD), P Started Finished Complete 8 8

648 PORTLAND (OR) VAMC Started Finished Complete 9 9

649 NORTHERN ARIZONA H Started Finished Complete 4 4

650 PROVIDENCE VAMC Started Finished Complete 5 6

652 RICHMOND VAMC Started Finished Complete 8 8

653 ROSEBURG HCS Started Finished Complete 4 4

654 SIERRA NEVADA HCS Started Finished Complete 6 6

655 SAGINAW Failed Unknown None

656 ST. CLOUD VAMC Started Finished Complete 8 8

657 ST. LOUIS MO VAMC- Started Finished Complete 18 18

658 SALEM VAMC Started Finished Complete 9 9

660 SALT LAKE CITY HCS Started Finished Complete 5 5

662 SAN FRANCISCO VAMC Started Finished Complete 6 6

663 PUGET SOUND HCS Started Finished Complete 11 11

664 SAN DIEGO HCS Started Finished Complete 10 10

666 SHERIDAN, WY VAMC Started Finished Complete 2 2

667 SHREVEPORT VAMC Started Finished Complete 8 8

668 SPOKANE VAMC Started Finished Complete 4 4

671 SOUTH TEXAS HCS Started Finished Complete 16 16

672 SAN JUAN VAMC Started Finished Complete 18 18

673 TAMPA VAMC Started Finished Complete 28 33

674 CENTRAL TEXAS HCS Started Finished Complete 18 18

676 TOMAH VAMC Started Finished Complete 4 4

678 SOUTHERN ARIZONA V Started Finished Complete 7 7

679 TUSCALOOSA Started Finished Complete 3 3

687 WALLA WALLA VAMC Started Finished Complete 2 2

688 WASHINGTON Started Finished Complete 7 7

689 CONNECTICUT HCS Started Finished Complete 9 9

691 WEST LA VAMC Started Finished None 16 25

692 WHITE CITY VAMC Started Finished Complete 7 7

693 WILKES-BARRE VAMC Started Finished Complete 8 8

695 MILWAUKEE VAMC Started Finished Complete 12 12

756 EL PASO VA HCS Started Finished Complete 5 5

757 COLUMBUS VAMC Started Finished Complete 5 5

*Note: Columns O and M are listed only if the related data is received in bulletins sent to the Forum Server by Vitria and AITC.*

The following warnings are listed after the status summary if applicable:

WARNING - the following sites failed to start PAIT:

655 SAGINAW

WARNING - the following sites have not completed PAIT:

583 INDIANAPOLIS VAMC

655 SAGINAW

WARNING - the following sites have not received all Acks:

405 WHITE RIVER JCT VA STATUS OF ACK'S - None

504 AMARILLO HCS STATUS OF ACK'S - None

546 MIAMI VAMC STATUS OF ACK'S - None

573 N. FLORIDA/S. GEOR STATUS OF ACK'S - In Progress

691 WEST LA VAMC STATUS OF ACK'S - None

WARNING - the following sites have miss-matched message counts:

VistA AITC

358 MANILA-RO 3004

402 TOGUS MAINE VAMC 26271

405 WHITE RIVER JCT VA 14135

436 MONTANA HCS 18616

437 FARGO VAMROC 21395

438 SIOUX FALLS VAMROC 18960

442 CHEYENNE VAMC 182

459 VA PACIFIC ISLANDS 11635

460 WILMINGTON VAMC 16991

463 ALASKA VAHSRO 7089

501 NEW MEXICO HCS 39529

502 ALEXANDRIA VAMC 19741

503 ALTOONA 16864

504 AMARILLO HCS 27031

506 ANN ARBOR VAMC 25938

508 ATLANTA VAMC 45767

509 AUGUSTA VAMC 20942

512 BALTIMORE MD VAMC 43858

515 BATTLE CREEK VAMC 26767

516 BAY PINES VA HCS 88976

517 BECKLEY VAMC 13623

518 BEDFORD VAMC 22603

519 WEST TEXAS HCS 10580

520 BILOXI VAMC 46886

521 BIRMINGHAM VAMC 37781

523 BOSTON HCS VAMC 58400

526 BRONX VAMC 22011

528 UPSTATE NEW YORK H 130025

529 BUTLER 8744

531 BOISE VAMC 16894

534 CHARLESTON VAMC 32950

537 JESSE BROWN VAMC 56003

538 CHILLICOTHE, OH VA 17811

539 CINCINNATI 29305

540 CLARKSBURG VAMC 20125

541 CLEVELAND VAMC 93463

542 COATESVILLE VAMC 11359

544 COLUMBIA, SC VAMC 48305

546 MIAMI VAMC 120945

548 WEST PALM BEACH VA 55131

549 NORTH TEXAS HC 76556

550 ILLIANA HCS 27213

552 DAYTON 24283

553 DETROIT, MI VAMC 28668

554 EASTERN COLORADO H 35923

556 NORTH CHICAGO VAMC 20907

557 DUBLIN VAMC 15815

558 DURHAM VAMC 36110

561 EAST ORANGE-VA NEW 44500

562 ERIE VAMC 18738

564 FAYETTEVILLE AR 34699

565 FAYETTEVILLE NC VA 33461

568 BLACK HILLS HCS 21486

570 CENTRAL CALIFORNIA 17095

573 N. FLORIDA/S. GEOR 96887

575 HINES, IL VAMC 52607

580 HOUSTON VAMC 85782

581 HUNTINGTON VAMC 26936

585 IRON MOUNTAIN VAMC 13724

586 VA HEARTLAND – WES 103454

590 HAMPTON (VAMC) 25558

593 SOUTHERN NEVADA HC 29728

595 LEBANON VAMC 31286

596 LEXINGTON-LD VAMC 28195

598 CENTRAL ARKANSAS H 45188

600 LONG BEACH,CA VAMC 37473

603 LOUISVILLE, KY VAM 29980

605 LOMA LINDA VAMC 51991

607 MADISON, WI VA HOS 29861

608 MANCHESTER VAMC 14517

610 MARION, IN 24562

612 NORTHERN CALIFORNI 49929

613 MARTINSBURG VAMC 32660

614 MEMPHIS VAMC 36727

618 MINNEAPOLIS VAMC 71486

619 CENTRAL ALABAMA HC 28608

620 HUDSON VALLEY HCS 29391

621 MOUNTAIN HOME VAMC 28379

623 JACK C. MONTGOMERY 18237

626 TENNESSEE VALLEY H 57671

629 SE Louisiana Veter 23249

630 NEW YORK HHS 57198

631 NORTHAMPTON VAMC 10314

632 NORTHPORT 30291

635 OKLAHOMA CITY VAMC 36966

636 VA NWIHS, OMAHA DI 91971

637 ASHEVILLE VAMC 21684

640 PALO ALTO HCS 48810

642 PHILADELPHIA, PA V 50608

644 PHOENIX VAMC 37633

646 PITTSBURGH (UD), P 37892

648 PORTLAND (OR) VAMC 43690

649 NORTHERN ARIZONA H 17614

650 PROVIDENCE VAMC 23992

652 RICHMOND VAMC 39330

653 ROSEBURG HCS 15689

654 SIERRA NEVADA HCS 27711

656 ST. CLOUD VAMC 38118

657 ST. LOUIS MO VAMC 87512

658 SALEM VAMC 25300

659 SALISBURY VAMC 40467

660 SALT LAKE CITY HCS 21471

662 SAN FRANCISCO VAMC 28116

663 PUGET SOUND HCS 50759

664 SAN DIEGO HCS 46462

666 SHERIDAN, WY VAMC 5259

667 SHREVEPORT VAMC 35371

668 SPOKANE VAMC 15786

671 SOUTH TEXAS HCS 78408

672 SAN JUAN VAMC 85639

673 TAMPA VAMC 138279

674 CENTRAL TEXAS HCS 86225

676 TOMAH VAMC 16031

678 SOUTHERN ARIZONA V 31919

679 TUSCALOOSA 10327

687 WALLA WALLA VAMC 6658

688 WASHINGTON 33320

689 CONNECTICUT HCS 43350

691 WEST LA VAMC 75819

692 WHITE CITY VAMC 30129

693 WILKES-BARRE VAMC 35225

695 MILWAUKEE VAMC 58620

756 EL PASO VA HCS 23794

757 COLUMBUS VAMC 21809

WARNING - the following sites have miss-matched Batch counts:

V O M

358 MANILA-RO 1 3

402 TOGUS MAINE VAMC 6 6

405 WHITE RIVER JCT VA 3 3

436 MONTANA HCS 4 4

437 FARGO VAMROC 5 5

438 SIOUX FALLS VAMROC 4 4

442 CHEYENNE VAMC 1 3

459 VA PACIFIC ISLANDS 3 3

460 WILMINGTON VAMC 4 4

463 ALASKA VAHSRO 2 2

501 NEW MEXICO HCS 8 8

502 ALEXANDRIA VAMC 4 4

503 ALTOONA 4 4

504 AMARILLO HCS 6 6

506 ANN ARBOR VAMC 6 6

508 ATLANTA VAMC 10 10

509 AUGUSTA VAMC 5 5

512 BALTIMORE MD VAMC 9 9

515 BATTLE CREEK VAMC 6 6

516 BAY PINES VA HCS 18 18

517 BECKLEY VAMC 3 3

518 BEDFORD VAMC 5 5

519 WEST TEXAS HCS 3 3

520 BILOXI VAMC 10 10

521 BIRMINGHAM VAMC 8 8

523 BOSTON HCS VAMC 12 12

526 BRONX VAMC 5 5

528 UPSTATE NEW YORK H 27 27

529 BUTLER 2 2

531 BOISE VAMC 4 4

534 CHARLESTON VAMC 7 7

537 JESSE BROWN VAMC 12 12

538 CHILLICOTHE, OH VA 4 4

539 CINCINNATI 6 6

540 CLARKSBURG VAMC 5 5

541 CLEVELAND VAMC 19 19

542 COATESVILLE VAMC 3 3

544 COLUMBIA, SC VAMC 10 10

546 MIAMI VAMC 25

548 WEST PALM BEACH VA 12 12

549 NORTH TEXAS HCS 16 16

550 ILLIANA HCS 6 6

552 DAYTON 5 5

553 DETROIT, MI VAMC 6 6

554 EASTERN COLORADO H 8 8

556 NORTH CHICAGO VAMC 5 5

557 DUBLIN VAMC 4 4

558 DURHAM VAMC 8 8

561 EAST ORANGE-VA NEW 9 9

562 ERIE VAMC 4 4

564 FAYETTEVILLE AR 7 7

565 FAYETTEVILLE NC VA 7 7

568 BLACK HILLS HCS 5 5

570 CENTRAL CALIFORNIA 4 4

573 N. FLORIDA/S. GEOR 20 20

575 GRAND JUNCTION (VA 2 2

578 HINES, IL VAMC 11 11

580 HOUSTON VAMC 18 18

581 HUNTINGTON VAMC 6 6

583 INDIANAPOLIS VAMC 10

585 IRON MOUNTAIN VAMC 3 3

586 JACKSON VAMC 7 7

589 VA HEARTLAND – WES 21 21

590 HAMPTON (VAMC) 6 6

593 SOUTHERN NEVADA HC 6 6

595 LEBANON VAMC 7 7

596 LEXINGTON-LD VAMC 6 6

598 CENTRAL ARKANSAS H 10 10

600 LONG BEACH,CA VAMC 8 8

603 LOUISVILLE, KY VAM 6 6

605 LOMA LINDA VAMC 11 11

607 MADISON, WI VA HOS 6 6

608 MANCHESTER VAMC 3 3

610 MARION, IN 5 5

612 NORTHERN CALIFORNI 10 10

613 MARTINSBURG VAMC 7

614 MEMPHIS VAMC 8 8

618 MINNEAPOLIS VAMC 15 15

619 CENTRAL ALABAMA HC 6 6

620 HUDSON VALLEY HCS 6 6

621 MOUNTAIN HOME VAMC 6 6

623 JACK C. MONTGOMERY 4 4

626 TENNESSEE VALLEY H 12 12

629 SE Louisiana Veter 5 5

630 NEW YORK HHS 12 12

631 NORTHAMPTON VAMC 3 3

632 NORTHPORT 7 7

635 OKLAHOMA CITY VAMC 8 8

636 VA NWIHS, OMAHA D 19 19

637 ASHEVILLE VAMC 5 5

640 PALO ALTO HCS 10 10

642 PHILADELPHIA, PA V 11 11

644 PHOENIX VAMC 8 9

646 PITTSBURGH (UD), P 8 8

648 PORTLAND (OR) VAMC 9 9

649 NORTHERN ARIZONA H 4 4

650 PROVIDENCE VAMC 5 6

652 RICHMOND VAMC 8 8

653 ROSEBURG HCS 4 4

654 SIERRA NEVADA HCS 6 6

656 ST. CLOUD VAMC 8 8

657 ST. LOUIS MO VAMC- 18 18

658 SALEM VAMC 6 6

659 SALISBURY VAMC 9 9

660 SALT LAKE CITY HCS 5 5

662 SAN FRANCISCO VAMC 6 6

663 PUGET SOUND HCS 11 11

664 SAN DIEGO HCS 10 10

666 SHERIDAN, WY VAMC 2 2

667 SHREVEPORT VAMC 8 8

668 SPOKANE VAMC 4 4

671 SOUTH TEXAS HCS 16 16

672 SAN JUAN VAMC 18 18

673 TAMPA VAMC 28 33

674 CENTRAL TEXAS HCS 18 18

676 TOMAH VAMC 4 4

678 SOUTHERN ARIZONA V 7 7

679 TUSCALOOSA 3 3

687 WALLA WALLA VAMC 2 2

688 WASHINGTON 7 7

689 CONNECTICUT HCS 9 9

691 WEST LA VAMC 16 25

692 WHITE CITY VAMC 7 7

693 WILKES-BARRE VAMC 8 8

695 MILWAUKEE VAMC 12 12

756 EL PASO VA HCS 5 5

757 COLUMBUS VAMC 5 5

Legend:

# = Site Number

NAME = Site Name

START = PAIT Background Job Start-up Status

BACKGRND = PAIT Background Job Completion Status

ACKS = PAIT Acknowledgement Status

V = Number of Batches Transmitted by VistA to Local IE

O = Number of Batches Transmitted by Local IE to AITC

M = Number of Batches Transmitted by AITC to MVS

# Archiving and Purging

Each entry added to the Patient Appointment Info Log (file #409.6) takes approximately 250 bytes. A medium to large site will require at least 120MB of available space on the volume set containing the ^SDWL(409.6 global to accommodate the initial seeding process.

HL7 messages generated by the seeding process take approximately 4 Mb per batch message. A medium to large site generates 60 to 100 batches on the initial seeding run, which corresponds to at least 240Mb of available space on the volume set containing the HL7 globals.

^XMTP globals are created and used to record acknowledgment processing and remain in the system for three days.

^XTMP(“SDRPA-”\_BATCHNUMBER, [Diagnostics]

Only the top level of the Patient Appointment Info Log and the Batch Tracking multiple (# 409.7) are kept in the system permanently.

The Patient Appointment Info Log is purged at the end of the main transmission processing. Appointments from acknowledged batches are evaluated and entries are deleted if they were transmitted in a Final state.

## Files

409.6 PATIENT APPOINTMENT INFO LOG - ^SDWL(409.6

Detailed information related to each transmission is stored in the Patient Appointment Info Log file (# 409.6). Below is a brief listing of fields in this file:

FIELD FIELD NAME

.01 RUN DATE (RD), [0;1]

1 TASK ID (F), [0;2]

1.1 LAST BATCH # OF THIS RUN (NJ13,0), [0;3]

1.2 LAST SCANNED DATE (RD), [0;4]

1.3 # OF APPOINTMENTS (NJ9,0), [0;5]

1.4 # OF BATCHES (RNJ6,0), [0;6]

1.5 TRANSMISSION FINISHED (RD), [0;7]

2 PATIENT (Multiple-409.69), [1;0]

.01 PATIENT (P2'), [0;1]

1 APPT DATE (D), [0;2]

2 HL7 MESSAGE ID (F), [0;3]

3 HL7 SEQUENCE ID (RF), [0;4]

4 RETENTION FLAG (RS), [0;5]

5 EVENT REASON (S), [0;6]

6 DATE APPT MADE (RD), [0;7]

7 ERROR MESSAGE (P404.472'), [0;8]

8 APPOINTMENT TYPE (S), [0;9]

9 CLINIC (P44'), [0;10]

3 BATCH TRACKING (Multiple-409.7), [2;0]

.01 BATCH CONTROL ID (F), [0;1]

.02 BATCH CREATE DATE/TIME (D), [0;2]

.03 MESSAGE CONTROL ID (F), [0;3]

.04 APPLICATION ACK DATE/TIME (D), [0;4]

.05 APPLICATION ACK TYPE (S), [0;5]

PCMM HL7 ERROR CODE FILE ^SCPT(404.472,

The PCMM HL7 Error Code file (#404.472), initially used only by the PCMM HL7 transmission, is also used by PAIT. Several new PAIT related rejection codes generated by AITC have been added.

Follow this VistA menu/option path to generate information on PAIT file attributes and relationships (pointers) between files:

1. VA FileMan Menu

2. Data Dictionary Utilities Menu

3. List File Attributes Option

4. Enter File # or range of File #s

5. Select Listing Format: Standard

PAIT reports on VistA are generated by sort and print templates associated with the Patient Appointment Info Log:

**TEMPLATE LIST -- FILE #409.6** 03/10/09 PAGE 1

-------------------------------------------------------------------------------

**INPUT TEMPLATE(S):**

**PRINT TEMPLATES:**

SD-PAIT PAIT ACK SUMMARY JAN 27, 2004@14:09 USER #0

PAIT ACK SUMMARY

SD-PAIT PATIENT HL7 LOCATION OCT 05, 2004@10:46 USER #0

SD-PAIT PATIENT HL7 LOCATION

SD-PAIT PATIENT PENDING APPT JAN 22, 2004@21:16 USER #0

PATIENT PENDING APPOINTMENT LOG

SD-PAIT REJECTED APPT JAN 29, 2004@10:32 USER #0

PATIENT APPOINTMENT INFO LOG LIST

SD-PAIT TRANS SUMMARY JAN 27, 2004@13:47 USER #0

PATIENT APPOINTMENT INFO LOG LIST

This template is used with the Acknowledgement Summary [SD-PAIT ACK SUMMARY] report:

NAME: SD-PAIT PAIT ACK SUMMARY

DATE CREATED: JAN 27, 2004@14:09 READ ACCESS: @

FILE: PATIENT APPOINTMENT INFO LOG WRITE ACCESS: @

DATE LAST USED: NOV 06, 2007

HEADER (c): PAIT ACK SUMMARY

FIRST PRINT FIELD: BATCH TRACKING//

THEN PRINT BATCH TRACKING SUB-FIELD: BATCH CONTROL ID//

THEN PRINT BATCH TRACKING SUB-FIELD: MESSAGE CONTROL ID//

THEN PRINT BATCH TRACKING SUB-FIELD: APPLICATION ACK DATE/TIME//

THEN PRINT BATCH TRACKING SUB-FIELD: APPLICATION ACK TYPE//

THEN PRINT BATCH TRACKING SUB-FIELD: //

THEN PRINT FIELD: //

COMPILED (c): NO

This template is used with the Patient HL7 Location [SD-PAIT PATIENT HL7 LOCATION] report:

NAME: SD-PAIT PATIENT HL7 LOCATION

DATE CREATED: OCT 05, 2004@10:46 READ ACCESS: @

FILE: PATIENT APPOINTMENT INFO LOG WRITE ACCESS: @

DATE LAST USED: AUG 02, 2005

HEADER (c): SD-PAIT PATIENT HL7 LOCATION

FIRST PRINT FIELD: PATIENT//

THEN PRINT PATIENT SUB-FIELD: PATIENT;L20//

THEN PRINT PATIENT SUB-FIELD: APPT DATE//

THEN PRINT PATIENT SUB-FIELD: " ";" HL7 MESSAGE"//

THEN PRINT PATIENT SUB-FIELD: HL7 MESSAGE ID;X//

THEN PRINT PATIENT SUB-FIELD: "-"//

THEN PRINT PATIENT SUB-FIELD: HL7 SEQUENCE ID;X//

THEN PRINT PATIENT SUB-FIELD: //

THEN PRINT FIELD: //

COMPILED (c): NO

This template is used with the Pending Transmission [SD-PAIT PENDING] report:

NAME: SD-PAIT PATIENT PENDING APPT

DATE CREATED: JAN 22, 2004@21:16 READ ACCESS: @

FILE: PATIENT APPOINTMENT INFO LOG WRITE ACCESS: @

DATE LAST USED: JUL 02, 2005

HEADER (c): PATIENT PENDING APPOINTMENT LOG

FIRST PRINT FIELD: PATIENT//

THEN PRINT PATIENT SUB-FIELD: PATIENT//

THEN PRINT PATIENT SUB-FIELD: APPT DATE//

THEN PRINT PATIENT SUB-FIELD: EVENT REASON//

THEN PRINT PATIENT SUB-FIELD: APPOINTMENT TYPE//

THEN PRINT PATIENT SUB-FIELD: CLINIC//

THEN PRINT PATIENT SUB-FIELD: //

THEN PRINT FIELD: //

COMPILED (c): NO

This template is used with the Rejected Transmissions [SD-PAIT REJECTED] report:

NAME: SD-PAIT REJECTED APPT

DATE CREATED: JAN 29, 2004@10:32 FILE: PATIENT APPOINTMENT INFO LOG

DATE LAST USED: FEB 24, 2010

HEADER (c): PATIENT APPOINTMENT INFO LOG LIST

FIRST PRINT FIELD: PATIENT//

THEN PRINT PATIENT SUB-FIELD: PATIENT//

THEN PRINT PATIENT SUB-FIELD: APPT DATE//

THEN PRINT PATIENT SUB-FIELD: 7://

THEN PRINT PCMM HL7 ERROR CODE FIELD: SHORT DESCRIPTION//

THEN PRINT PCMM HL7 ERROR CODE FIELD: ERROR MESSAGE//

THEN PRINT PCMM HL7 ERROR CODE FIELD: CLINIC//

THEN PRINT PCMM HL7 ERROR CODE FIELD: //

THEN PRINT PATIENT SUB-FIELD: //

THEN PRINT FIELD: //

COMPILED (c): NO

This template is used with the Transmission Summary [SD-PAIT TRANSMISSION SUMMARY] report:

NAME: SD-PAIT TRANS SUMMARY

DATE CREATED: JAN 27, 2004@13:47 READ ACCESS: @

FILE: PATIENT APPOINTMENT INFO LOG WRITE ACCESS: @

DATE LAST USED: JUL 27, 2006

HEADER (c): PATIENT APPOINTMENT INFO LOG LIST

FIRST PRINT FIELD: RUN DATE//

THEN PRINT FIELD: LAST SCANNED DATE//

THEN PRINT FIELD: # OF APPOINTMENTS//

THEN PRINT FIELD: # OF BATCHES;S//

THEN PRINT FIELD: BATCH TRACKING//

THEN PRINT BATCH TRACKING SUB-FIELD: BATCH CONTROL ID//

THEN PRINT BATCH TRACKING SUB-FIELD: BATCH CREATE DATE/TIME//

THEN PRINT BATCH TRACKING SUB-FIELD: MESSAGE CONTROL ID//

THEN PRINT BATCH TRACKING SUB-FIELD: //

THEN PRINT FIELD: //

COMPILED (c): NO

**SORT TEMPLATES:**

The PENDING APPT EXCLUDING FUTURE template sorts pending appointments by APPT DATE to be evaluated for possible finalizing:

PENDING APPT EXCLUDING FUTURE SEP 29, 2003@10:03 USER #0

SORT BY: PATIENT//

PATIENT SUB-FIELD: RETENTION FLAG// (RETENTION FLAG equals Y (YES –

to be sent when 'Final'))

WITHIN RETENTION FLAG, SORT BY: PATIENT//

PATIENT SUB-FIELD: APPT DATE// (User is asked range)

WITHIN APPT DATE, SORT BY: PATIENT//

PATIENT SUB-FIELD: APPOINTMENT TYPE// (All APPOINTMENT TYPE

(includes nulls))

WITHIN APPOINTMENT TYPE, SORT BY: PATIENT//

PATIENT SUB-FIELD: EVENT REASON// (All EVENT REASON (includes

nulls))

The SD-PAIT PAITACK SORT template sorts all batches by their finished transmission date:

SD-PAIT PAIT ACK SORT JAN 27, 2004@14:08 USER #0

SORT BY: TRANSMISSION FINISHED// (TRANSMISSION FINISHED not null)

WITHIN TRANSMISSION FINISHED, SORT BY: BATCH TRACKING//

BATCH TRACKING SUB-FIELD: BATCH CONTROL ID// (BATCH CONTROL

ID not null)

WITHIN BATCH CONTROL ID, SORT BY: BATCH TRACKING//

BATCH TRACKING SUB-FIELD: MESSAGE CONTROL ID// (MESSAGE

CONTROL ID not null)

The SD-PAIT PATIENT HL7 LOCATION template sorts patient appointments by their

APPT DATE:

SD-PAIT PATIENT HL7 LOCATION OCT 05, 2004@09:59 USER #0

SORT BY: @PATIENT//

PATIENT SUB-FIELD: APPT DATE// (User is asked range)

The SD-PAIT PEND EXCL FUTURE template sorts pending appointments in APPT DATE order to be evaluated for possible finalizing:

SD-PAIT PEND EXCL FUTURE APR 06, 2004@15:10 USER #0

'' Print Template always used

SORT BY: PATIENT//

PATIENT SUB-FIELD: RETENTION FLAG// (RETENTION FLAG equals Y (YES –

to be sent w

hen 'Final'))

WITHIN RETENTION FLAG, SORT BY: PATIENT//

PATIENT SUB-FIELD: APPT DATE// (User is asked range)

WITHIN APPT DATE, SORT BY: PATIENT//

PATIENT SUB-FIELD: DATE APPT MADE// (DATE APPT MADE from Sep

1,2002)

WITHIN DATE APPT MADE, SORT BY: PATIENT//

PATIENT SUB-FIELD: APPOINTMENT TYPE// (APPOINTMENT TYPE not

null)

WITHIN APPOINTMENT TYPE, SORT BY: PATIENT//

PATIENT SUB-FIELD: EVENT REASON// (EVENT REASON not null)

The SD-PAIT REJECTED APPT template sorts appointments in Pending status that were rejected and have a rejection code to be addressed by the site before the next transmission:

SD-PAIT REJECTED APPT APR 15, 2004@16:02 USER #0

'' Print Template always used

SORT BY: PATIENT//

PATIENT SUB-FIELD: RETENTION FLAG// (RETENTION FLAG equals Y (YES –

to be sent when ‘Final’))

WITHIN RETENTION FLAG, SORT BY: PATIENT//

PATIENT SUB-FIELD: ERROR MESSAGE// (ERROR MESSAGE not null)

WITHIN ERROR MESSAGE, SORT BY: PATIENT//

PATIENT SUB-FIELD: PATIENT// (PATIENT not null)

WITHIN PATIENT, SORT BY: PATIENT//

PATIENT SUB-FIELD: APPT DATE// (APPT DATE not null)

The SD-PAIT TRANS SUMMARY template sorts transmitted batches in an order of their transmission date.

SD-PAIT TRANS SUMMARY JAN 27, 2004@13:42 USER #0

SORT BY: RUN DATE// (User is asked range)

## Mail Group

IRM staff who support PAIT should be members of the SD-PAIT mail group. Members will receive the completion message after each bi-monthly transmission and error bulletins from the Forum server. Sample showing PAIT mail group entry in the Mail Group file (#3.8).

NAME: SD-PAIT TYPE: public

  REFERENCE COUNT: 566 LAST REFERENCED: OCT 19, 2009

  COORDINATOR: WOLF,ED

MEMBER: WOLF,ED TYPE: INFO

MEMBER: LANIGAN,VASSER TYPE: INFO

MEMBER: GREENWOOD,OWAIN

MEMBER: POSTMASTER

DESCRIPTION: Mail group to receive PAIT HL7 messages

ORGANIZER: WOLF,ED

## Routines

SDRPA00 ;BP-OIFO/OWAIN,ESW - Patient Appointment Information

Transmission

SDRPA02 ;bp-oifo/swo pait utils

SDRPA04 ;BP-OIFO/ESW - SDRPA00 continuation PAIT -

SDRPA05 ;BP-OIFO/ESW - Evaluate appointment status for HL7

SDRPA06 ;bp-oifo/swo pait hl7 Ack handling

SDRPA07 ;BP-OIFO/ESW - APPOINTMENT BATCH TRANSMISSION BUILDER;

SDRPA08 ;BP-OIFO/OWAIN,ESW - Patient Appointment Data

SDRPA09 ;BP-OIFO/SWO,ESW - rejection utility

SDRPA20 ;BPOI/ESW - Determine Admission Type for PAIT

Invoked Routines:

^%DT

^%DTC NOW^%DTC

^%

$$S^%ZTLOAD

STAT^%ZTLOAD

$$CVEDT^DGCV

^DIC

FILE^DICN

YN^DICN

^DIE

^DIK

DT^DILF

$$GET1^DIQ

GETS^DIQ

^DIR

INIT^HLFNC2

MSH^HLFNC2

GENERATE^HLMA

CREATE^HLTF

$$GETICN^MPIF001

$$STATUS^SDAM1

GETAPPT^SDAMA201

$$SDAPI^SDAMA301

$$EXAE^SDOE

GETGEN^SDOE

MSGT^SDRPA04

DEM^VADPT

$$EN^VAFHLPID

EN^VAFHLZCL

EN1^VAFHLZEL

ENTER^VAFHLZMH

$$SITE^VASITE

$$DT^XLFDT

$$FMADD^XLFDT

$$FMTE^XLFDT

$$HL7TFM^XLFDT

$$HTE^XLFDT

$$HTFM^XLFDT

$$NOW^XLFDT

$$HLNAME^XLFNAME

^XMD

EN^XUTMDEVQ

Global Variables:

^DIC(19

^DIC(19.2

^DPT(

^DPT("ASADM"

^GMR(123

^HLCS(870

^SC(

^SCE(

^SCPT(404.472

^SDWL(409.6

^TMP("SDDPT"

^TMP("SDRPA06"

^TMP($J

^XTMP("SDRPA-"

Routines used only once in patch SD\*5.3\*376 to clean file 409.6:

SDRPA10

SDRPA11

SDRPA12

SDRPA13

SDRPA14

SDRPA15

SDRPA16

SDRPA17

SDRPA18

## Exported VistA Options

SD-PAIT ACK SUMMARY Acknowledgement Summary

SD-PAIT MANUAL BATCH REJECT Manual Batch Reject

SD-PAIT MANUAL TRANSMISSION Manual Startup PAIT Transmission

SD-PAIT PATIENT HL7 LOCATION Patient HL7 Location

SD-PAIT PENDING Pending Transmissions

SD-PAIT REJECTED Rejected Transmissions

SD-PAIT REPAIR SD-PAIT Last Run Repair

SD-PAIT REPORTS PAIT Reports Menu

SD-PAIT TASKED TRANSMISSION Taskman PAIT Transmission

SD-PAIT TRANSMISSION SUMMARY Transmission Summary

The above options Manual Batch Reject [SD-PAIT MANUAL BATCH REJECT], Manual Startup PAIT Transmission [SD-PAIT MANUAL TRANSMISSION], SD-PAIT Last Run Repair [SD-PAIT REPAIR], and Taskman PAIT Transmission [SD-PAIT TASKED TRANSMISSION] have been placed out of order with SD\*5.3\*639.

See the PAIT User Manual for SD-PAIT option descriptions.

### Protocols

The protocols below are part of the HL7 configuration for PAIT:

NAME: SD-PAIT-EVENT

ITEM TEXT: PAIT TRANSMISSION EVENT TYPE: event driver

CREATOR: RYAN,DOLORES G TIMESTAMP: 60295,55882

SENDING APPLICATION: SD-SITE-PAIT RECEIVING APPLICATION: SD-AITC-PAIT

TRANSACTION MESSAGE TYPE: SIU EVENT TYPE: S12

LOGICAL LINK: SD-PAIT ACCEPT ACK CODE: AL

APPLICATION ACK TYPE: AL VERSION ID: 2.4

RESPONSE MESSAGE TYPE: ACK

RESPONSE PROCESSING ROUTINE: D ACK^SDRPA06

SENDING FACILITY REQUIRED?: NO RECEIVING FACILITY REQUIRED?: NO

SUBSCRIBERS: SD-PAIT-SUBS

NAME: SD-PAIT-SUBS

ITEM TEXT: SC PAIT SUBSCRIBERS TYPE: subscriber

CREATOR: DFFFF.HHHHH TIMESTEMP: 60295,55882

RECEIVING APPLICATION: SD-AITC-PAIT EVENT TYPE: S12

LOGICAL LINK: SD-PAIT RESPONSE MESSAGE TYPE: ACK

SENDING FACILITY REQUIRED?: YES RECEIVING FACILITY REQUIRED?: YES

SECURITY REQUIRED?: NO

### HL7 Application Parameters

This VistA file contains one entry for the AITC application and another for the local facility application:

NAME: SD-AITC-PAIT

ACTIVE/INACTIVE: ACTIVE FACILITY NAME: 200

COUNTRY CODE: USA

NAME: SD-SITE-PAIT

ACTIVE/INACTIVE: ACTIVE FACILITY NAME: 500

COUNTRY CODE: USA

The Facility Name contains a three digit station number. The station number for the AITC entry is 200, and each facility must use its own unique 3-digit station number on the SD-SITE-PAIT entry.

The above HL7 Application Parameters have been inactivated with SD\*5.3\*639.

### HL Logical Link

The SD-PAIT logical link has been disabled with SD\*5.3\*639 since PAIT HL7 transmission has been discontinued.

See the sections above for additional information on the SD-PAIT HL Logical Link configuration.

### Background Job

* SD PAIT Tasked Transmission – See the PAIT User Manual for additional information on this subject (This background job has been disabled with SD\*5.3\*639.)
* Security Keys
  + None
* Bulletins
  + PAIT does not use the bulletin features of MailMan. Although messages formatted similarly to bulletins are sent, they are created outside of the bulletin feature.

**3.4.5 Database Integration Agreements (DBIAs)**

4495 NAME: DBIA4141-D

CUSTODIAL PACKAGE: REGISTRATION

SUBSCRIBING PACKAGE: SCHEDULING

A request to subscribe to the following DBIA is in process:

752 NAME: DBIA263-D

CUSTODIAL PACKAGE: REGISTRATION Albany

SUBSCRIBING PACKAGE: INCOME VERIFICATION MATCH Birmingham

MASTER PATIENT INDEX VISTA

CLINICAL INFO RESOURCE NETWORK

# PAIT Processing on Forum Server

The transmission process involves several steps and makes use of new technology – the VIE.

* Transmission from VistA to a local VIE
* Transmission from a local VIE to the clustered VIE at AITC
* Transmission and conversion of data to AITC to create VSSC files
* Message acknowledgements and tracking

PAIT uses the server functionality of VA Mailman on the Forum Server. PAIT, Vitria and AITC tracking bulletins with acknowledgements notification are received and processed. Selected data elements from transmission and acknowledgement messages are parsed and filed in the PAIT TRANSMISSION LOG (file # 409.8) hosted on Forum. This file contains data elements extracted from messages sent to Forum from VistA PAIT transmissions.

The Forum Server option SD-PAIT-SERVER accepts messages generated by PAIT bi-monthly appointment data extraction and transmission:

NUMBER: 2931847 NAME: SD-PAIT-SERVER

MENU TEXT: SD-PAIT Message Server TYPE: server

DESCRIPTION: This option server handles incoming status mail messages

regarding patch Patient Appointment Information Transmission (PAIT).

ROUTINE: SDRPA01 SERVER ACTION: RUN IMMEDIATELY

SERVER REPLY: NO REPLY (DEFAULT)

UPPERCASE MENU TEXT: SD-PAIT MESSAGE SERVER

The PAIT options, routines and files that exist on Forum do not exist at the sites.

## PAIT Transmission Log File on Forum

The data dictionary for the PAIT Transmission Log File, stored on Forum in ^SDWL(409.8, is displayed below.

BRIEF DATA DICTIONARY #409.8 -- PAIT TRANSMISSION LOG FILE

FEB 24,2010@13:52:33 PAGE 1

SITE: WASHINGTON ISC UCI: FOR,ROU

-------------------------------------------------------------------------------

DATE/TIME 409.8,.01 DATE

MESSAGE TYPE 409.8,.02 SET

'A' FOR ACKNOWLEDGMENT;

'B' FOR BACKGROUND JOB COMPLETE;

'M' FOR MISSING REPORT;

'T' FOR TRANSMITTED REPORT;

'C' FOR CLEAN-UP;

'O' FOR OUTGOING BATCH;

'S' FOR STARTED TRANSMISSION;

'U' FOR UPLOAD MVS;

SITE NUMBER 409.8,.03 FREE TEXT

LOG NUMBER 409.8,.04 FREE TEXT

RUN COMPLETION DATE 409.8,.05 DATE

# OF BATCHES 409.8,.06 FREE TEXT

# OF APPOINTMENTS 409.8,.07 FREE TEXT

IP ADDRESS 409.8,.071 FREE TEXT

BATCHES GENERATED 409.8,.08 FREE TEXT

BATCHES SENT 409.8,.09 FREE TEXT

LAST SCAN DATE 409.8,.091 DATE

STARTED DATE 409.8,.092 DATE

TRANSMISSION START 409.8,.093 DATE

TASK NUMBER 409.8,.094 FREE TEXT

STATUS 409.8,1 FREE TEXT

HL7 MESSAGE ID 409.8,2 FREE TEXT

BATCH CONTROL ID 409.8,3 FREE TEXT

RUN ACK STATUS 409.8,4 FREE TEXT

ACKS COMPLETE 409.8,5 SET

'0' FOR NO;

'1' FOR YES;

MISSING SITES 409.8,6 409.86

Multiple

MISSING SITE # 409.86,.01 FREE TEXT

SITE NAME 409.86,.02 FREE TEXT

REPORT DATE 409.86,.03 DATE

TRANSMITTED SITES 409.8,7 409.87

Multiple

TRANSMITTED SITE # 409.87,.01 FREE TEXT

TOTAL RECORDS 409.87,.02 FREE TEXT

TOTAL BATCHES 409.87,.03 FREE TEXT

REPORT DATE 409.87,.04 DATE

SITE NAME 409.87,.05 FREE TEXT

BATCH ID 409.87,.06 409.871

Multiple

BATCH ID 409.871,.01 FREE TEXT

REJECTED RECORDS 409.87,.07 NUMBER

OUTGOING BATCH 409.8,8 409.88

Multiple

OUTGOING BATCH SITE # 409.88,.01 FREE TEXT

SITE NAME 409.88,.02 FREE TEXT

TOTAL BATCHES 409.88,.03 FREE TEXT

BATCH ID 409.88,.04 409.881

Multiple

BATCH ID 409.881,.01 FREE TEXT

REPORT DATE 409.88,.05 DATE

MVS UPLOAD 409.8,9 409.89

Multiple

UPLOAD SITE # 409.89,.01 FREE TEXT

SITE NAME 409.89,.02 FREE TEXT

BATCHES UPLOADED 409.89,.03 FREE TEXT

REPORT DATE 409.89,.04 DATE

TOTAL REJECTIONS 409.89,10 NUMBER

Table 4-2 gives a detailed description of some of the key fields used for tracking in the PAIT Transmission Log file on Forum

Table 4-2: Log File Field Names and Descriptions

| **Field Number** | **Field Name** | **Field Description** |
| --- | --- | --- |
| .01 | Date/Time | This field records the date/time a transmission mail bulletin is received by the Forum Server option SD-PAIT SERVER. |
| .02 | Message Type | 'A' for Acknowledgment  'B' for Background Job Complete  'M' for Missing Report  'T' for Transmitted Report  'C' for Clean-Up  'O' for Outgoing Batch  'S' for Started Transmission  'U' for Upload MVS |
| .03 | Site Number | This field records the three-digit site number and extension, if any. |
| .04 | Log Number | This field records the log entry number of the transmission. This is the run entry number of the multiple field in file 409.6. |
| .05 | Run Completion Date | This field records the date that the PAIT background task completed running at the site. This is the Transmission Finished field (#1.5) of 409.6 file. |
| .06 | # of Batches | This field records the number of batch messages transmitted from the site.  *Only applies to Message Type B* |
| .07 | # of Appointments | This field records the number of appointments included in the batch message.  *Only applies to Message Type B* |
| .071 | IP Address | This field records the IP address of the Vitria Interface Engine at the PAIT transmission site. |
| .08 | Batches Generated | This field records the number of HL7 messages generated by the PAIT transmission and recorded in SD-PAIT Logical Link.  *Only used by Message Type B* |
| .09 | Batches Sent | This field records the number of messages sent by HL7 for the PAIT transmission and recorded in the SD-PAIT Logical Link.  *Only used by Message Type B* |
| .091 | Last Scan Date | The last scanned date indicates the appointment creation date for which all appointments were fully scanned and transmitted. This date is a basis to continue with the followed-up transmission. |
| .092, .093 | Started Date and Transmission Start | Started Date and Transmission Start show when PAIT started. |
| 10 | Total Rejections | This field is for recording the total of number of site record rejections. |
| N/A | Input Templates | SD-PAIT TL Ack Status  SD-PAIT TL Acks Complete  SD-PAIT TL All Type  SD PAIT TL Background Job  SD-PAIT TL Clean  SD-PAIT TL Missing  SD-PAIT TL Missing AITC  SD-PAIT TL Not Complete  SD-PAIT TL Transmitted AITC |

## PAIT Troubleshooting

After successful completion of the bi-monthly PAIT transmission, members of the SD-PAIT mail group should receive a PAIT BACKGROUND JOB MailMan completion bulletin confirming success. If this bulletin is not received after the scheduled task finishes or if an error occurs, then a Remedy ticket is generated by the VASD based on a bulletin send to the VASD from the Forum Server.

All completion bulletins are also sent to the Forum Server where Product Support (PS) staff can verify that the transmission has finished. If an error or another problem occurs, Information Resource Management (IRM) should not start the next PAIT task until PS staff review the problem and take or advise corrective action.

If a problem occurs, the site should check the error trap, looking at the time when the PAIT task terminated. The cause of the error has to be addressed before running the SD-PAIT REPAIR option, and restarting PAIT.

The SD-PAIT Last Run Repair [SD-PAIT REPAIR] option has been placed out of order with SD\*5.3\*639.

### From AITC

On the 5th and 19th of every month, AITC sends an email bulletin/report listing all sites from which patient appointment information transmissions were received. This report includes the facility, station number and name. The report is also sent from AITC to the Forum Server and, if the number of rejected appointments for any site is greater than 50, another Remedy ticket is generated based on a bulletin sent to the VASD.

From: Z900SERVER@MAIL.VA.GOV [<mailto:Z900SERVER@MAIL.VA.GOV>]

Sent: Thursday, November 19, 2009 2:35 PM

Subject: AITC PAIT TRANSMITTED SITES

RECORDS TRANSMITTED 11/19/09

STATION BATCHES RECORDS REJECTS

358 MANILA 1 2893 0

402 TOGUS 14 63068 7

405 WHITE RIVER JUNCTION 5 20190 0

436 FORT HARRISON 5 23870 7

437 FARGO 6 29512 7

438 SIOUX FALLS 5 22320 0

442 CHEYENNE 4 18018 3

459 HONOLULU 3 13874 5

460 WILMINGTON 5 20288 4

463 ANCHORAGE 3 10946 0

501 N.MEXICO VA HS 10 47503 9

502 ALEXANDRIA 5 21931 0

503 ALTOONA 4 17867 3

504 AMARILLO VA HS 7 25098 9

506 ANN ARBOR 10 45522 16

508 DECATUR 13 61307 0

509 AUGUSTA 6 27474 0

512 BALTIMORE 15 73375 23

515 BATTLE CREEK 14 60454 10

516 BAY PINES 25 123815 9

517 BECKLEY 8 33404 28

518 BEDFORD 8 30475 0

519 W.TEXAS VA HS 2 9746 0

520 BILOXI 12 59018 3

521 BIRMINGHAM 10 45246 22

523 BOSTON 13 61031 4

526 BRONX 5 24867 32

528 BUFFALO 33 163874 3

529 BUTLER 6 21750 0

531 BOISE 4 18505 19

534 CHARLESTON 8 38071 1

537 CHICAGO WESTSIDE 12 56317 1

538 CHILLICOTHE 5 21433 0

539 CINCINNATI 10 45839 5

540 CLARKSBURG 6 25206 0

541 CLEVELAND 32 157145 2

542 COATESVILLE 3 11896 0

544 COLUMBIA 13 60081 14

546 MIAMI 21 100766 7

548 W PALM BEACH 24 114022 2

549 DALLAS 21 100530 7

550 VA ILLIANA HEALTH CARE SYSTEM 7 33890 2

552 DAYTON 6 28769 0

553 DETROIT VA MEDICAL CENTER 8 39412 7

554 DENVER 10 47296 2

556 NORTH CHICAGO 6 28382 4

557 DUBLIN 4 19217 4

558 DURHAM 10 46872 4

561 EAST ORANGE 11 52359 2

562 ERIE 5 22421 1

564 FAYETTEVILLE 18 89956 2

565 FAYETTEVILLE 8 36523 0

568 FORT MEADE 5 24458 0

570 FRESNO 4 19230 0

573 GAINESVILLE VA FACILITY 28 138169 6

NURSING HOME

575 GRAND JUNCTION 5 18297 0

578 HINES 11 53210 0

580 HOUSTON 21 101051 18

581 HUNTINGTON 6 29727 2

583 INDIANAPOLIS 14 66695 4

585 IRON MOUNTAIN 4 16095 4

586 JACKSON 8 35322 18

589 VA HEARTLAND - WEST, VISN 15 27 132231 4

590 HAMPTON 7 32764 6

593 VA SOUTH NEVADA 8 35926 0

595 LEBANON 9 41465 1

596 LEXINGTON 7 33352 0

598 LITTLE ROCK 11 54847 2

600 LONG BEACH 9 44893 3

603 LOUISVILLE 8 38493 5

605 LOMA LINDA 13 63374 4

607 MADISON 8 35359 4

608 MANCHESTER 4 17990 0

610 NORTHERN HCS 10 49690 0

612 MARTINEZ 13 61623 4

613 MARTINSBURG 8 37082 1

614 MEMPHIS 9 43469 2

618 MINNEAPOLIS 18 87425 10

619 MONTGOMERY 8 37651 2

620 VA HUDSON VALLEY HEALTHCARE 7 33414 13

SYSTEM (MON

621 MOUNTAIN HOME 9 41958 8

623 MUSKOGEE 10 47496 38

626 NASHVILLE 14 66816 6

629 NEW ORLEANS 11 45970 10

630 NEW YOR 22 104612 8

631 NORTHAMPTON 3 12512 4

632 NORTHPORT LI 7 34688 11

635 OKLAHOMA CTY 192 926304 24

636 OMAHA 22 107568 6

637 ASHEVILLE 12 52668 10

640 PALO ALTO 11 53296 3

642 PHILADELPHIA 16 79632 2

644 PHOENIX 10 48525 3

646 PITTSBURGH(UD 10 45822 0

648 PORTLAND 10 47381 0

649 N.ARIZONA VA HS 10 45836 4

650 PROVIDENCE 6 25412 1

652 RICHMOND 10 48938 2

653 VA ROSEBURG HCS 4 16470 4

654 VA RENO 7 34674 7

655 SAGINAW 6 26079 0

656 ST CLOUD 12 56445 1

657 VA HEARTLAND - EAST, VISN 15 19 92538 5

658 SALEM 7 34859 6

659 SALISBURY 20 95373 9

660 SALT LAKE CITY 6 25735 17

662 SAN FRANCISCO 8 35149 5

663 VA PUGET SOUND HEALTHCARE 13 60648 5

SYSTEM

664 SAN DIEGO 11 53317 9

666 SHERIDAN 3 12051 1

667 SHREVEPORT 8 37578 8

668 SPOKANE 5 20153 1

671 ALM MEM VA MEDICAL CENTER 20 96171 11

672 SAN JUAN 20 96451 4

673 TAMPA 22 107336 125

674 TEMPLE 19 94182 3

675 VA MEDICAL CENTER ORLANDO 18 87650 5

676 TOMAH 4 16268 0

678 S.ARIZONA VA HS 10 46186 3

679 TUSCALOOSA 3 11456 11

687 WALLA WALLA 2 8141 0

688 WASHINGTON 8 37499 7

689 WEST HAVEN 12 57627 5

691 GREATER LOS ANGELES 18 87870 7

HEALTHCARE SYSTEM

692 VA SOUTHERN OR REHAB, 4 16406 0

CLINIC WHITE CITY

693 WILKES BARRE 9 44078 1

695 MILWAUKEE 13 63207 2

756 EL PASO VA HS 7 30525 0

757 COLUMBUS (IOC) 6 29106 0

TOTAL NUMBER OF STATIONS TRANSMITTED OUT OF 129: 129

### Product Support

Upon the receiving a Remedy Ticket, PS can run the Completed Background Job Report on the Forum Server. This report will indicate whether the site actually gathered data and passed it to the local Vitria IE machine. If the report indicates no activity from the site, PS will contact the site to determine why the site did not run the transmission task. Based on the reason, PS may need to contact other groups to provide assistance. In the case the report indicates there was activity, PS may need to contact the Messaging and Interface Support (M&IS) team for assistance.

URL to review the Vitria IE activity reports for verification of data available on the Forum Server.

UserID and password are required to access the M&IS reports. Access is restricted.

* URLREDACTED

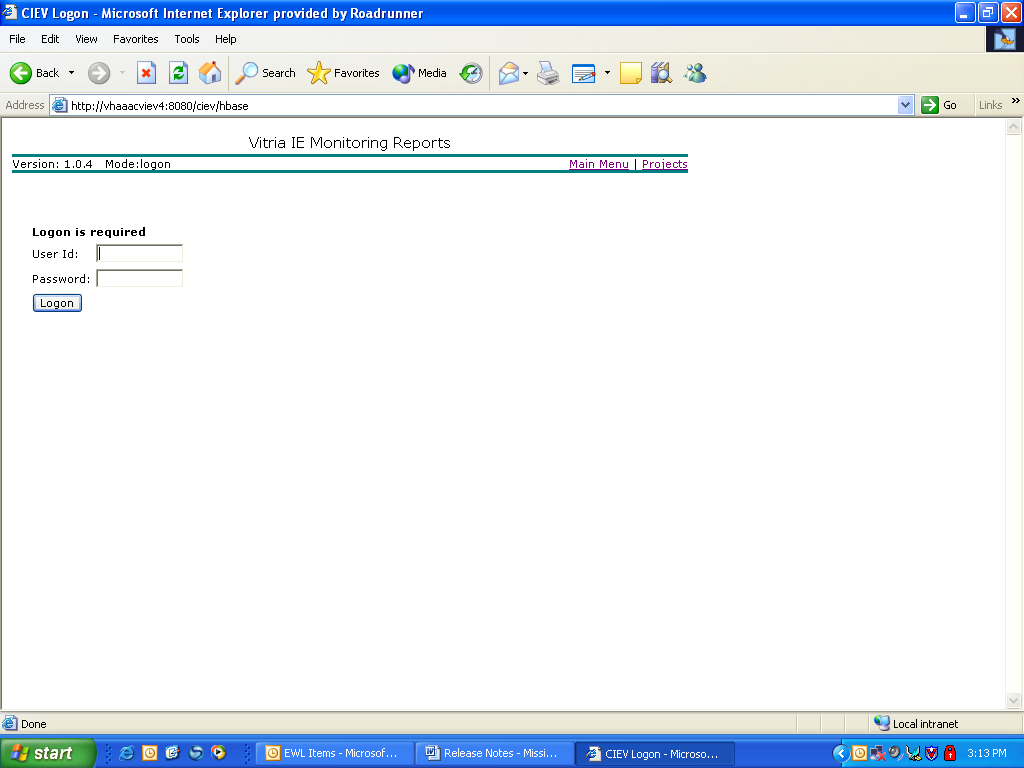


Figure 4-1: Vitria IE Monitoring Reports Logon

There are two reports that show patient appointment transmission activity to AITC. The first, Remote Outgoing Batch Tallies, displays activity at the VistA site’s local Vitria IE. This report displays the site’s station number and name, the most recent date of transmission activity, and the batch count.

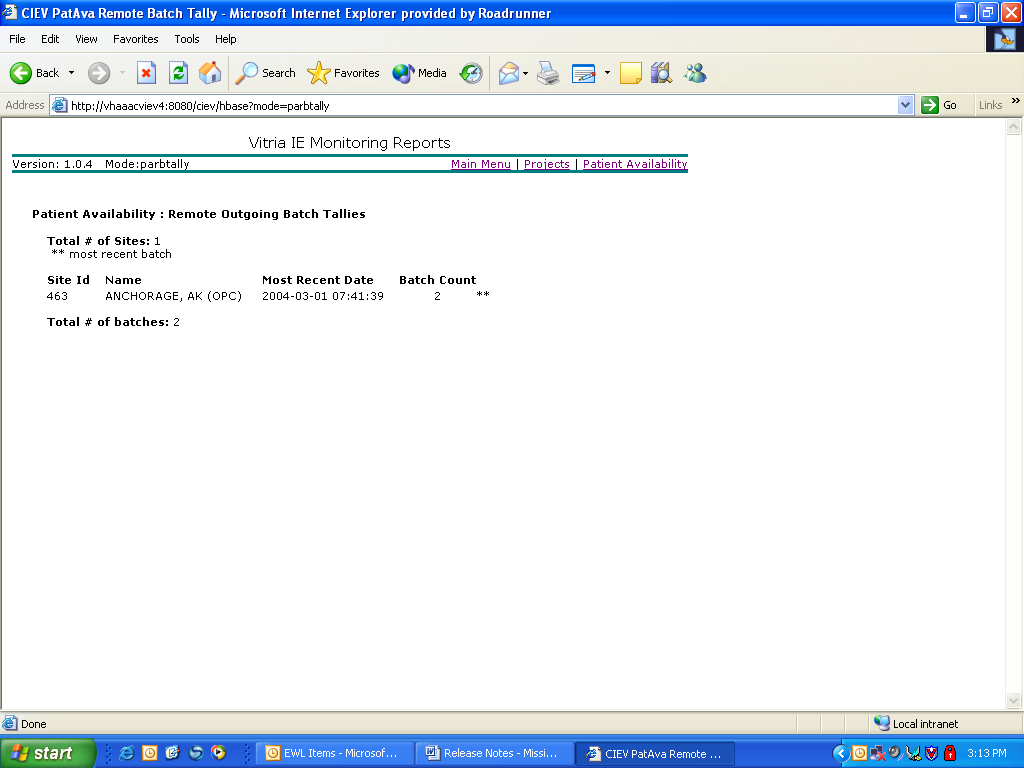


Figure 4-2: Remote Outgoing Batch Tallies

The second report, File Uploads to MVS, shows the files transferred to the AITC mainframe. It includes the site station number, name, and batch count for the file transfer. It should be noted that the batch count indicated in a file sent to AITC may not be the total batch count for that site because more files may be waiting to be sent, or data may be split into several files that contain a combination of batches from different sites.

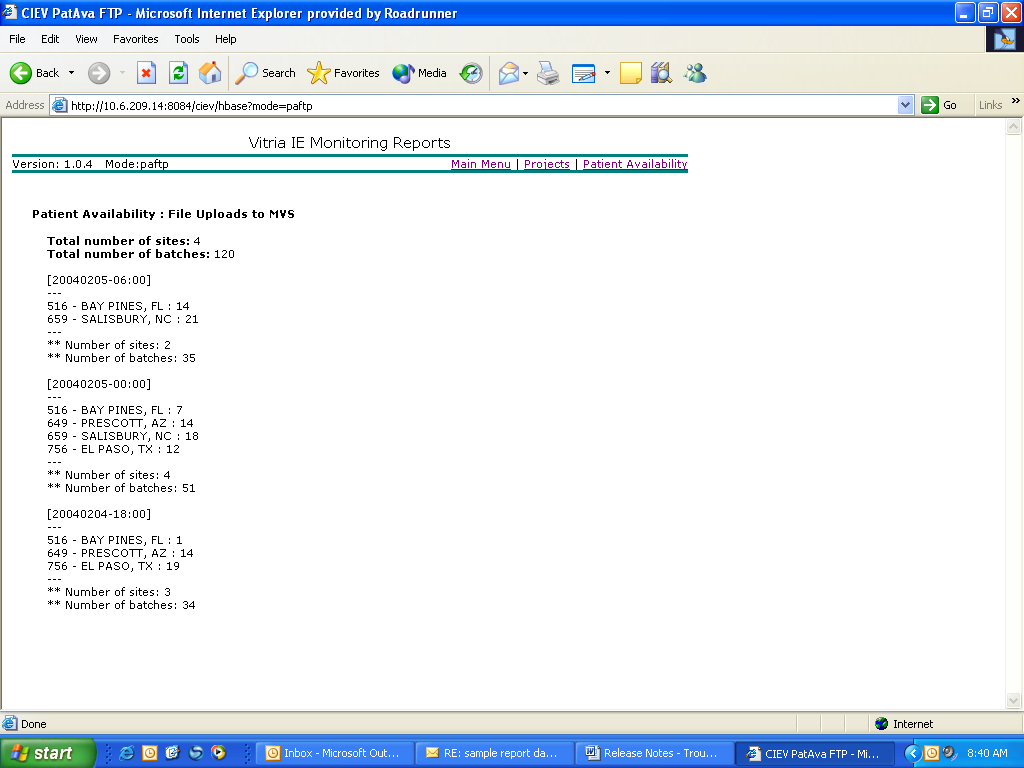


Figure 4-3: File Uploads to MVS

Examination of all transferred files will need to be performed and the number of batches counted for all files to determine if the site’s total batch count matches the count on the Forum Server.

* If the Forum PAIT reports indicate that the site did not generate any batches, PS will need to contact the site to find the responsible person who can determine why the program did not run and start the task.
* If the reports on the Forum Server indicate the site generated batches but the batches were not transmitted and the Vitria IE reports do not indicate activity, support from Vitria IE will be needed.
* If the Forum reports and the Vitria IE reports indicate the site did transmit, but acknowledgments were not received, PS will need to contact AITC for assistance.

The Acks from MVS report shown in Figure 4-4 lists all acknowledgements sent by AITC.

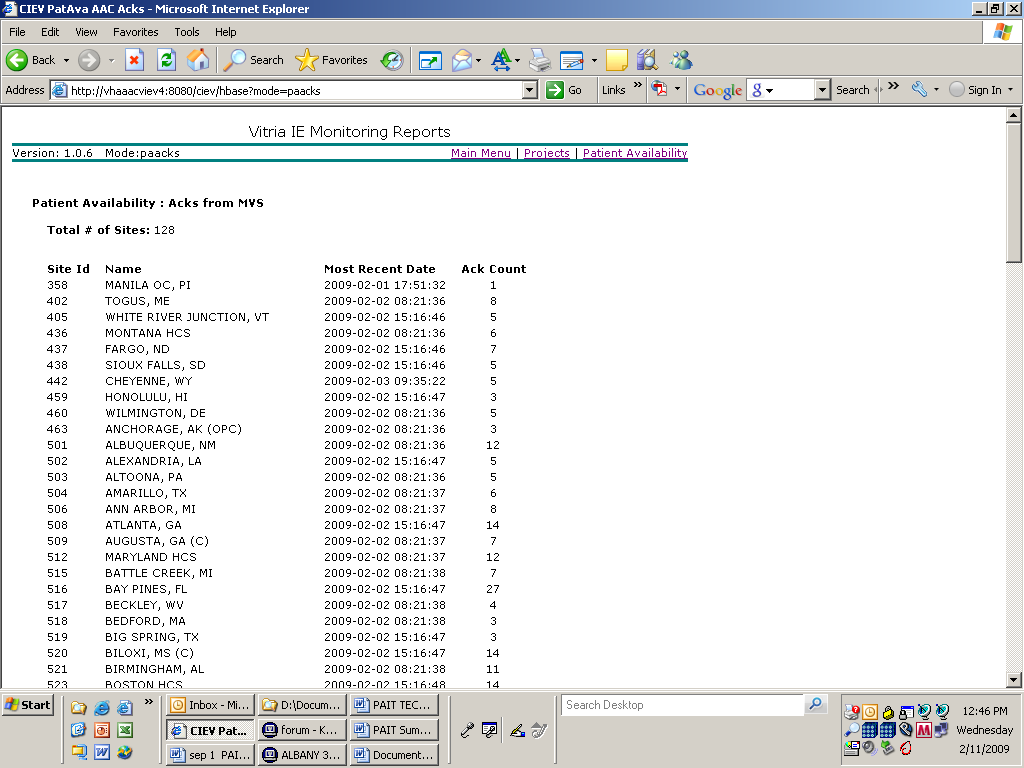


Figure 4-4: Acks from MVS

The Remote Incoming Ack Tallies report may be used to verify acknowledgements accepted by VistA sites from the IE.

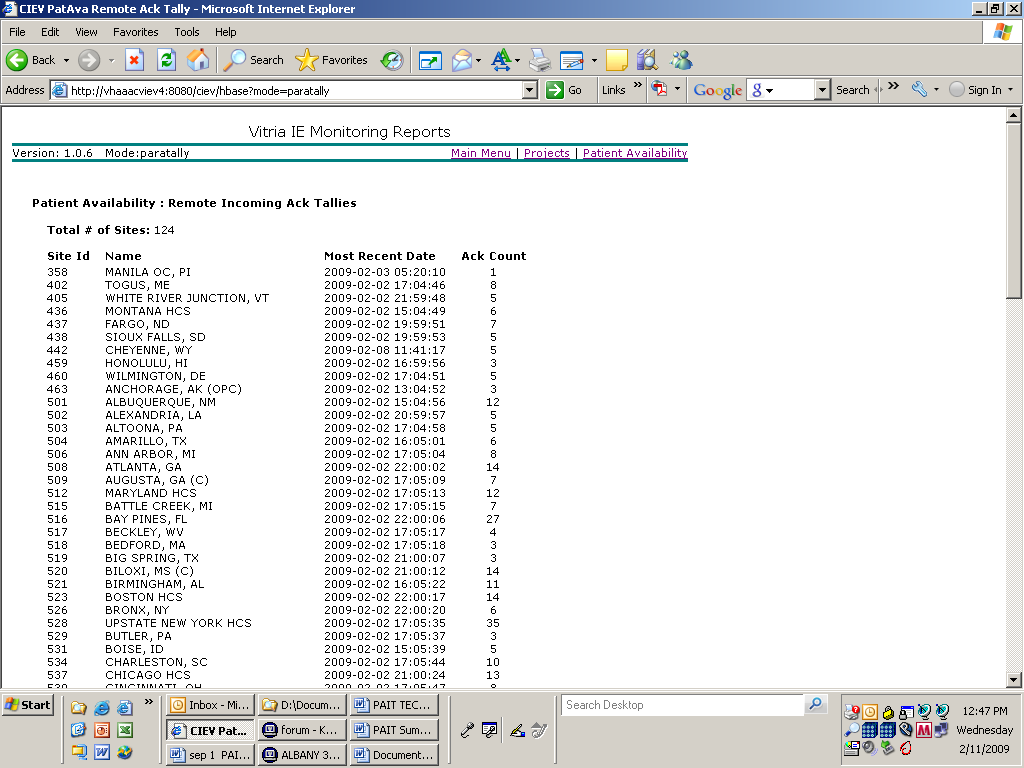


Figure 4-5: Remote Incoming Ack Tallies

## VistA Communication Problems

Veterans Health Administration (VHA) VASD states:

If there is an indication of a problem in communicating with the Local Vitria IE, the PAIT task will send a bulletin from VistA to the VASD with a Transmission Summary Report. The problem may be detected immediately after PAIT generates all batches. At that point, the PAIT transmission finishes but the generated batch messages may be waiting in the HL7 queue because they cannot be sent to the local Vitria IE. The VASD will receive the following report with a warning and a summary of batches created vs. batches sent.

Upon receipt of this notification, VASD will create a Remedy Ticket for PS to begin investigating. PS should contact the site and can check the M&IS website to determine what caused the communication breakdown. If there is a VIE problem the PS VIE team can troubleshoot.

HL7 System Monitor:

All outgoing HL7 messages are sent over the SD-PAIT Logical Link. Activity on this link can be seen via the System Monitor Utility of the HL7 menu in VistA.

The SD-PAIT logical link has been disabled with SD\*5.3\*639 since PAIT HL7 transmission has been discontinued.

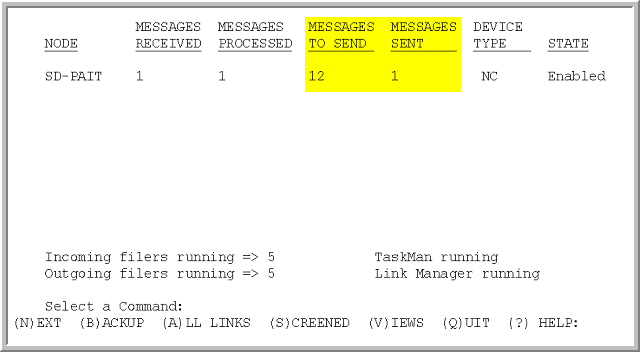


Figure 4-6: HL7 System Monitor

The example in Figure 4-6 shows 12 messages on the TO SEND column but only 1 message under the SENT column. If the SENT column does not increment to match the TO SEND column, it may be necessary to stop and restart the SD-PAIT link through the Start/Stop Links [HL START] option on the Filer and Link Management Options menu of the VistA HL7 application.

Patient HL7 Location

SD-PAIT PATIENT HL7 LOCATION Patient HL7 Location

This option lists HL7 message ID numbers for individual patient appointments recorded in the Patient Appointment Info Log (file #409.6) for a selected date range.

CHOOSE 1-5: 4 SD-PAIT PATIENT HL7 LOCATION Patient HL7 Location

Patient HL7 Location

\* Previous selection: APPT DATE from Jan 3,2006 to Jan 3,2006@24:00

START WITH APPT DATE: Jan 3,2006// (JAN 03, 2006)

GO TO APPT DATE: Jan 3,2006// (JAN 03, 2006)

DEVICE: UCX/TELNET Right Margin: 80//

SD-PAIT PATIENT HL7 LOCATION JAN 27,2009 16:28 PAGE 1

HL7

PATIENT APPT DATE MESSAGE

--------------------------------------------------------------------------------

AJJDJFD,CNDFH JAN 3,2006 13:00 500127809-13

The HL7 menu can then be used to do a message search on the message ID within the SD-PAIT logical link:

Option: HL MAIN MENU HL7 Main Menu

Event Monitoring Menu ...

Systems Link Monitor

Filer and Link Management Options ...

Message Management Options ...

Interface Developer Options ...

Site Parameter Edit

Select HL7 Main Menu Option: Message Management Options

PRG Purge Messages

PJM Purge jobs monitoring

LOG View Transmission Log (TCP) only

PTX Awaiting/Pending Transmission Report (non-TCP)

FTX Failed Transmission Report (non-TCP)

ELOG Event Log

REQ Message Requeuer (non-TCP)

OLD HL7 V1.5 OPTIONS ...

Select Message Management Options Option: LOG View Transmission Log (TCP only)

Search Transmission Log

Select one of the following:

M Message Search

P Pending Transmissions

E Error Listing

Q Quit (also up arrow, or <RETURN>)

Selection: Message Search

Start/Stop Time Selection

Enter START Date and Time. Date is required.

Enter a date and optional time: T// 010110@12:01A (JAN 01, 2010@00:01:00)

Enter END Date and Time. Date is required.

Enter a date and optional time: NOW// (FEB 22, 2010@13:50:01)

MESSAGE ID # D/T Entered Log Link Msg:Evn IO Sndg Apl Rcvr Apl

5001\_\_32283 010110.070056 SD-PAIT ACK:S12 OT SD-SITE- SD-AAC-P

5001\_\_35755 011510.070004 SD-PAIT ACK:S12 OT SD-SITE- SD-AAC-P

5001\_\_39986 020110.070005 SD-PAIT ACK:S12 OT SD-SITE- SD-AAC-P

5001\_\_42924 021510.070036 SD-PAIT ACK:S12 OT SD-SITE- SD-AAC-P

HYPER-TXT|<PF1>H=Help <PF1>E=Exit| Line> 4 of 4 Screen> 1 of 1

# HL7 Interface Specification for Patient Appointment Information Transmission

## Introduction

The PAIT application uses the abstract message approach and encoding rules specified by HL7. HL7 is used for communicating data associated with various events which occur in health care environments.

The formats of PAIT messages conform to Version 2.4 HL7 Interface Standards, where applicable. HL7 custom message formats (“Z” segments) are used only when necessary.

## Message Content

Data sent in HL7 messages will be limited to the information that can be processed by the AITC, with the exception of the PID and ZPD segments, which will be populated using the nationally supported VistA call. The data sent is limited to what is available in VistA. Table 5-1 describes the data fields and HL7 mappings.

Table 5-1: Data Fields and HL7 Mappings

| **Data item** | **Length** | **Type** | **Definition** | **HL7** |
| --- | --- | --- | --- | --- |
| Integration Control Number | 10 | Alpha-numeric | ICN is a VHA wide internal key, uniquely assigned to each PATIENT. The ICN is a 10 digit. | PID.3 |
| Patient’s DFN | 8 | Numeric | The internal number of the patient from within the Patient file. | PID.3 |
| Patient’s SSN | 10 | 9 Numeric, 1 Alpha | The social security number or the generated pseudo SSN of the patient. | PID.19 |
| Last Name  First Name  Middle Name | 45 | Text | The name of the patient. Held as three distinct names with a combined maximum length of 45 characters. | PID.5 |
| Date Of Birth | 8 | Date | The date of birth of the patient. | PID.7 |
| Current SC status | 1 | Text | Current service connected status, Y/N. | ZSP.2 |
| Current SC percentage | 3 | Numeric | Current service connected percentage. | ZSP.3 |
| Date Appointment Created | 8 | Date | The date the appointment was created. | SCH.11 |
| Desired Appointment Date | 8 | Date | The date the appointment was requested to take place. | SCH.11 |
| Appointment Date | 12 | Date/time | The date the appointment was scheduled to be kept. | SCH.11 |
| Appointment status | 3 | Text | See Table 5-26. | SCH.25 |
| Next Available Request Flags | 1 | Numeric | See Table 5-24. | SCH.7 |
| Cancellation Date | 12 | Date/time | If the appointment was cancelled by the clinic or the patient, the date of cancellation. | SCH.11 |
| Reschedule Date | 12 | Date/time | The date an appointment was rescheduled for without auto-rebooking. | SCH.11 |
| Auto-rebook Flag | 1 | Numeric | See Table 5-24. | SCH.7 |
| Auto-rebook Date | 12 | Date/time | Date of the auto-rebooked appointment. | SCH.11 |
| New to Facility/Clinic Flag | 1 | Text | NTF if the patient did not have a prior appointment at this facility in the past 24 months. SHB or OPN otherwise – see Table 5-21. | PV2.24 |
| Enrollment Priority | 1 | Alpha numeric | See Table 5-30. | ZEN.9 |
| Service Connection Condition Flag | 1 | Numeric | See Table 5-28. | ZCL.2 |
| Agent Orange Exposure | 1 | Numeric | See Table 5-28. | ZCL.2 |
| Ionizing Radiation Exposure | 1 | Numeric | See Table 5-28. | ZCL.2 |
| Environmental Contaminants | 1 | Numeric | See Table 5-28. | ZCL.2 |
| Military Sexual Trauma | 1 | Numeric | See Table 5-28. | ZCL.2 |
| Head and/or Neck Cancer | 1 | Numeric | See Table 5-28. | ZCL.2 |
| Clinic IEN Number | 7 | Numeric | Internal Identifier of the Hospital Location for which the appointment was scheduled. | AIL.3.1 |
| Clinic Name | 30 | Text | Name of Clinic from File 44. | AIL.3.9 |
| DSS Identifier of Clinic | 3 | Numeric | Stop code of the Hospital Location file for which the appointment was scheduled. | AIL.4 |
| DSS Credit Stop of Clinic | 3 | Numeric | Credit stop code of the Hospital Location file. | AIL.5 |
| Facility Number | 6 | Three digit numeric station number plus any modifiers | Station Number, field #99 from the Institution file. | PV1.39 |
| Provider |  | Text | IEN and name of provider associated with the  Hospital Location. | AIP.3 |
| Check out Date | 12 | Date/time | Date of appointment checkout. It is considered to be a kept appointment. | SCH.11 |
| Appointment Type | 3 | Alpha | See Table 5-25. | SCH.8 |
| Scheduling Event Reason | 3 | Alpha | See Table 5-31. | SCH.6 |
| Admission Type | 4 | Numeric | See Table 5-29. | PV1.4 |
| Consult Request Date | 12 | Date | The request date and time of the related consult if applicable – the date/time of the Date of Request field (#3) of the Request/ Consultation file (#123). | SCH.11 |
| CV Eligibility | 1 | Alpha | Combat Veteran Status. See Section 1.2.1 in PAIT User Manual. | ZEL.37 |
| CV End-Date | 8 | Date | See Section 1.2.2 in PAIT User Manual. | ZEL.38 |
| CV Appointment Indication | 2 | Numeric | See Section 1.2.3 in PAIT User Manual. | ZCL.2 |
| Military History Type |  |  | See Section 1.2.4 in PAIT User Manual. See Table 5-16. | ZMH.2 |
| Service Indicator |  |  | See Section 1.2.4 in PAIT User Manual. See Table 5-16. | ZMH.3 |
| Service Separation Date |  |  | See Section 1.2.4 in PAIT User Manual. See Table 5-16. | ZMH.4 |

*Note: If the appointment is related to a Service Connected (SC) condition then only Military Sexual Trauma (MST) and Head and/or Neck cancer may be identified as well. All other classifications can be claimed only if the appointment is not SC.*

Table 5-2: SIU Descriptions

|  |  |  |
| --- | --- | --- |
| **SIU** | **SIU Message Segment** | **Table** |
| BSH | Batch Header | Table 5-4 |
| {MSH | Message Header | Table 5-3 |
| SCH | Schedule Activity Information | Table 5-11 |
| PID | Patient Identification | Table 5-6 |
| PV1 | Patient Visit | Table 5-7 |
| PV2 | Patient Visit | Table 5-8 |
| [{AIP}] | Appointment Information - Personnel Resource Segment | Table 5-9 |
| {AIL} | Appointment Information | Table 5-10 |
| [{ZCL}] | VA-Specific Outpatient Classification | Table 5-12 |
| [{ZEN}] | VA Specific Enrollment | Table 5-13 |
| {ZEL} | VA Specific Patient Eligibility | Table 5-15 |
| [{ZMH}] | VA Specific Military History | Table 5-16 |
| {ZSP}} | VA-Specific Service Period | Table 5-14 |
| BTS | Batch Trailer | Table 5-5 |

### Data Capture and Transmission

A Taskman background job will be scheduled to run at specified intervals. The background job will collect and format data for HL7 batch transmission.

A determined number of appointments are generated into a temporary file which is used to create HL7 transmissions in a batch format. As soon as each batch is put into an HL7 transmission queue, the temporary file for that batch is deleted and the process of generating data for transmission continues until all required data is generated and transmitted. This design allows for immediate transmission of each batch as soon as it is generated, and prevents the temporary file from growing excessively before it is transmitted. The process is repeated until all required data is generated and transmitted.

Follow-up transmissions are created starting from the last scanned appointment creation date of the last transmission through the day preceding the task run date. The last scanned date is stored in the Patient Appointment Info Log (file #409.6) and if PAIT was interrupted it may be a date other than expected with normal processing. The SD-PAIT Last Run Repair [SD-PAIT REPAIR] option determines the last scanned date based on which appointments were transmitted and, with previously sent appointments, whether their statuses are final (See Table 5-2). The previously sent appointments are evaluated for possible final transmission from the Patient Transmission Info Log (file #409.6). Appointment entries that were sent with a final status will be deleted after an acknowledgement of the successful transmission is received.

The SD-PAIT Last Run Repair [SD-PAIT REPAIR] option has been placed out of order with SD\*5.3\*639.

### Batch Messages

A batch will be used to transmit patient appointment information. Each batch may contain up to 5,000 messages. One message will represent one patient appointment.

### Batch Acknowledgements

Each batch message sent will be acknowledged at the application level.

### Batch Lower-Level Protocol

PAIT transmissions use TCP/IP lower level protocol.

## HL7 Control Segments

This section defines the HL7 control segments supported by VistA and implemented in this transmission. The messages are presented separately and defined by category. Segments are also described.

### Message Definitions

Each message is composed of segments. Segments contain logical groupings of data. Segments may be optional or repeatable. A “[ ]” indicates the segment is optional and the “{ }” indicates the segment is repeatable. For each message category there will be a list of HL7 standard segments as well as "Z" segments used for the message.

### Segment Table Definitions

For each segment, the data elements are described in table format. The table includes the sequence number (SEQ), maximum length (LEN), data type (DT), required or optional (R/O), repeatable (RP/#), the table number (TBL#), the element name, and the VistA description.

### Message Control Segments

This section describes the message control segments which are contained in message types described in this document. These are generic descriptions. Any time any of the segments described in this section is included in a message in this document, the VistA descriptions and mappings will be as specified here, unless otherwise specified in that section.

Table 5-3: Message Header Segment (MSH)

| **SEQ** | **LEN** | **DT** | **R/O** | **RP/#** | **TBL#** | **Element Name** | **VistA Description** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | ST | R |  |  | Field Separator | Recommended value is ^ (caret) |
| 2 | 4 | ST | R |  |  | Encoding Characters | Recommended delimiter values:  Component = ~ (tilde)  Repeat = | (bar)  Escape = \ (back slash)  Subcomponent = & (ampersand) |
| 3 | 15 | ST |  |  |  | Sending Application | When originating from facility:  SD-SITE-PAIT  When originating from ACC:  SD-AITC-PAIT |
| 4 | 20 | ST |  |  |  | Sending Facility | When originating from facility:  Station's facility number |
| 5 | 30 | ST |  |  |  | Receiving Application | SD-AITC-PAIT |
| 6 | 30 | ST |  |  |  | Receiving Facility | 200 |
| 7 | 26 | TS |  |  |  | Date/Time Of Message | Not used |
| 8 | 40 | ST |  |  |  | Security | Not used |
| 9 | 7 | CM | R |  | 5-22  5-19 | Message Type | 2 Components  Message type  Trigger event |
| 10 | 20 | ST | R |  |  | Message Control ID | Batch and sequence number automatically generated by VISTA HL7 Package |
| 11 | 1 | ID | R |  |  | Processing ID | P (production) |
| 12 | 8 | ID | R |  |  | Version ID | 2.4 (Version 2.4) |
| 13 | 15 | NM |  |  |  | Sequence Number | Not used |
| 14 | 180 | ST |  |  |  | Continuation Pointer | Not used |
| 15 | 2 | ID |  |  |  | Accept Acknowledgment Type | AL (always acknowledge) |
| 16 | 2 | ID |  |  |  | Application Acknowledgment Type | AL (always acknowledge) |
| 17 | 3 | ID |  |  |  | Country Code | USA |

Table 5-4: Batch Header Segment (BSH)

| **SEQ** | **LEN** | **DT** | **R/O** | **RP/#** | **TBL#** | **Element Name** | **VistA Description** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | ST | R |  |  | Batch Field Separator | Recommended value is ^ |
| 2 | 4 | ST | R |  |  | Batch Encoding Characters | Delimiter values:  Component = ~ (tilde)  Repeat = | (bar)  Escape = \ (back slash)  Subcomponent = & |
| 3 | 15 | ST |  |  |  | Batch Sending Application | When originating from facility: SD-SITE-PAIT  When originating from AITC:  SD-ACC-PAIT |
| 4 | 20 | ST |  |  |  | Batch Sending Facility | When originating from facility:  Station's facility number  when originating from AITC: 200 |
| 5 | 15 | ST |  |  |  | Batch Receiving Application | When originating from facility: SD-ACC-PAIT  When originating from AITC:  SD-SITE-PAIT |
| 6 | 20 | ST |  |  |  | Batch Receiving Facility | When originating from facility:  Station's facility number  When originating from AITC: 200 |
| 7 | 26 | TS |  |  |  | Batch Creation Date/Time | Date and time batch message was created |
| 8 | 40 | ST |  |  |  | Batch Security | Not used |
| 9 | 20 | ST |  |  |  | Batch Name/ID/Type | Components  Not used  P  SIU,S12  2.4  5. AL  6. AL |
| 10 | 80 | ST |  |  | 5-21 | Batch Comment | Components  Acknowledgement Code  Text Message |
| 11 | 20 | ST |  |  |  | Batch Control ID | When originating from facility:  Automatically generated by VISTA HL7 Package  When Originating from AITC:  Acknowledgement msg # |
| 12 | 20 | ST |  |  |  | Reference Batch Control ID | When originating from facility: Null  When originating from AITC:  Batch Control ID of batch message being acknowledged |

Table 5-5: Batch Trailer Segment (BTS)

| **SEQ** | **LEN** | **DT** | **R/O** | **RP/#** | **TBL#** | **Element Name** | **VistA Description** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 10 | ST |  |  |  | Batch Message Count | Number of messages within batch |
| 2 | 80 | ST |  |  |  | Batch Comment | Not used |
| 3 | 100 | CM |  | Y |  | Batch Totals | Not used |

Table 5-6: Patient Identification Segment (PID)

| **SEQ** | **LEN** | **DT** | **R/O** | **RP/#** | **TBL#** | **Element Name** | **VistA Description** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 4 | SI |  |  |  | Set ID - Patient ID | Sequential Number |
| 2 | 17 | CK |  |  |  | Patient ID (External ID) | Primary Long ID |
| 3 | 21 | CM | R |  |  | Patient ID (Internal ID) | Component  1. ICN  2. NULL  3. NULL  4. USVHA&&L  5. NI  Repetition  DFN  Null  Null  USVHA&&L  PI |
| 4 | 12 | ST |  |  |  | Alternate Patient ID | Not used |
| 5 | 48 | PN | R |  |  | Patient Name | Component  Family name  Given name  Middle initial  Suffix |
| 6 | 30 | ST |  |  |  | Mother's Maiden Name | Not used |
| 7 | 26 | TS |  |  |  | Date of Birth | Date of birth |
| 8 | 1 | ID |  |  |  | Sex | Not used |
| 9 | 48 | PN |  |  |  | Patient Alias | Not used |
| 10 | 1 | ID |  |  |  | Race | Not used |
| 11 | 106 | AD |  |  |  | Patient Address | Zip code |
| 12 | 4 | ID |  |  |  | County Code | Not used |
| 13 | 40 | TN |  |  |  | Phone Number - Home | Not used |
| 14 | 40 | TN |  |  |  | Phone Number - Business | Not used |
| 15 | 25 | ST |  |  |  | Language - Patient | Not used |
| 16 | 1 | ID |  |  |  | Marital Status | Not used |
| 17 | 3 | ID |  |  |  | Religion | Not used |
| 18 | 20 | CK |  |  |  | Patient Account Number | Not used |
| 19 | 16 | ST |  |  |  | SSN Number - Patient | Social security number and pseudo indicator |
| 20 | 25 | CM |  |  |  | Driver's License Number - Patient | Not used |
| 21 | 20 | CK |  |  |  | Mother's Identifier | Not used |
| 22 | 1 | ID |  |  |  | Ethnic Group | Not used |
| 23 | 25 | ST |  |  |  | Birth Place | Not used |
| 24 | 2 | ID |  |  |  | Multiple Birth Indicator | Not used |
| 25 | 2 | NM |  |  |  | Birth Order | Not used |
| 26 | 3 | ID |  |  |  | Citizenship | Not used |
| 27 | 60 | CE |  |  |  | Veterans Military Status | Not used |

Table 5-7: Patient Visit Segment (PV1)

| **SEQ** | **LEN** | **DT** | **R/O** | **RP/#** | **TBL#** | **Element Name** | **VistA Description** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 4 | SI |  |  |  | Set ID - Patient Visit | Sequential Number |
| 2 | 1 | ID |  |  | 5-20 | Patient Class | Patient Class |
| 3 | 12 | CM |  |  |  | Assigned Patient Location | Not used |
| 4 | 4 | ID |  |  | 5-21 | Admission Type | Refer to Table 5-27 (Purpose of Visit) |
| 5 | 20 | ST |  |  |  | Pre-admit Number | Not used |
| 6 | 12 | CM |  |  |  | Prior Patient Location | Not used |
| 7 | 60 | CN |  |  |  | Attending Doctor | Not used |
| 8 | 60 | CN |  |  |  | Referring Doctor | Not used |
| 9 | 60 | CN |  |  |  | Consulting Doctor | Not used |
| 10 | 3 | ID |  |  |  | Hospital Service | Not used |
| 11 | 12 | CM |  |  |  | Temporary Location | Not used |
| 12 | 2 | ID |  |  |  | Pre-admit Test Indicator | Not used |
| 13 | 2 | ID |  |  |  | Readmission Indicator | Not used |
| 14 | 3 | ID |  |  |  | Admit Source | Not used |
| 15 | 2 | ID |  |  |  | Ambulatory Status | Not used |
| 16 | 2 | ID |  |  |  | VIP Indicator | Not used |
| 17 | 60 | CN |  |  |  | Admitting Doctor | Not used |
| 18 | 2 | ID |  |  |  | Patient Type | Not used |
| 19 | 15 | NM |  |  |  | Visit Number | Not used |
| 20 | 50 | CM |  |  |  | Financial Class | Not used |
| 21 | 2 | ID |  |  |  | Charge Price Indicator | Not used |
| 22 | 2 | ID |  |  |  | Courtesy Code | Not used |
| 23 | 2 | ID |  |  |  | Credit Rating | Not used |
| 24 | 2 | ID |  |  |  | Contract Code | Not used |
| 25 | 8 | DT |  |  |  | Contract Effective Date | Not used |
| 26 | 12 | NM |  |  |  | Contract Amount | Not used |
| 27 | 3 | NM |  |  |  | Contract Period | Not used |
| 28 | 2 | ID |  |  |  | Interest Code | Not used |
| 29 | 1 | ID |  |  |  | Transfer to Bad Debt Code | Not used |
| 30 | 8 | DT |  |  |  | Transfer to Bad Debt Date | Not used |
| 31 | 10 | ID |  |  |  | Bad Debt Agency Code | Not used |
| 32 | 12 | NM |  |  |  | Bad Debt Transfer Amount | Not used |
| 33 | 12 | NM |  |  |  | Bad Debt Recovery Amount | Not used |
| 34 | 1 | ID |  |  |  | Delete Account Indicator | Not used |
| 35 | 8 | DT |  |  |  | Delete Account Date | Not used |
| 36 | 3 | ID |  |  |  | Discharge Disposition | Not used |
| 37 | 25 | CM |  |  |  | Discharged to Location | Not used |
| 38 | 2 | ID |  |  |  | Diet Type | Not used |
| 39 | 7 | ID |  |  |  | Servicing Facility | Facility number or Facility number+ suffix |
| 40 | 1 | ID |  |  |  | Bed Status | Not used |
| 41 | 2 | ID |  |  |  | Account Status | Not used |
| 42 | 12 | CM |  |  |  | Pending Location | Not used |
| 43 | 12 | CM |  |  |  | Prior Temporary Location | Not used |
| 44 | 26 | TS |  |  |  | Admit Date/Time | Not used |
| 45 | 26 | TS |  |  |  | Discharge Date/Time | Not used |
| 46 | 12 | NM |  |  |  | Current Patient Balance | Not used |
| 47 | 12 | NM |  |  |  | Total Charges | Not used |
| 48 | 12 | NM |  |  |  | Total Adjustments | Not used |
| 49 | 12 | NM |  |  |  | Total Payments | Not used |
| 50 | 20 | CM |  |  |  | Alternate Visit ID | Not used |

Table 5-8: Patient Visit 2 (PV2)

| **SEQ** | **LEN** | **DT** | **R/** | **RP/#** | **TBL#** | **ITEM#** | **Element Name** | **VistA Description** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 80 | PL | C |  |  | 0011 | Prior Pending Location | Not used |
| 2 | 60 | CE | O |  |  | 0012 | Accommodation Code | Not used |
| 3 | 60 | CE | O |  |  | 0013 | Admit Reason | Not used |
| 4 | 60 | CE | O |  |  | 0014 | Transfer Reason | Not used |
| 5 | 25 | ST | O |  |  | 0015 | Patient Valuables | Not used |
| 6 | 25 | ST | O |  |  | 0016 | Patient Valuables Location | Not used |
| 7 | 2 | IS | O |  |  | 0017 | Visit User Code | Not used |
| 8 | 26 | TS | O |  |  | 0018 | Expected Admit Date/Time | Not used |
| 9 | 26 | TS | O |  |  | 0019 | Expected Discharge Date/Time | Not used |
| 10 | 3 | NM | O |  |  | 0071 | Estimated Length of Inpatient Stay | Not used |
| 11 | 3 | NM | O |  |  | 0072 | Actual Length of Inpatient Stay | Not used |
| 12 | 50 | ST | O |  |  | 0073 | Visit Description | Not used |
| 13 | 90 | XCN | O |  |  | 0074 | Referral Source Code | Not used |
| 14 | 8 | DT | O |  |  | 0075 | Previous Service Date | Not used |
| 15 | 1 | ID | O |  |  | 0076 | Employment Illness Related Indicator | Not used |
| 16 | 1 | IS | O |  |  | 0077 | Purge Status Code | Not used |
| 17 | 8 | DT | O |  |  | 0078 | Purge Status Date | Not used |
| 18 | 2 | IS | O |  |  | 0079 | Special Program Code | Not used |
| 19 | 1 | ID | O |  |  | 0070 | Retention Indicator | Not used |
| 20 | 1 | NM | O |  |  | 0071 | Expected Number of Insurance Plans | Not used |
| 21 | 1 | IS | O |  |  | 0072 | Visit Publicity Code | Not used |
| 22 | 1 | ID | O |  |  | 0073 | Visit Protection Indicator | Not used |
| 23 | 90 | XON | O |  |  | 0074 | Clinic Organization Name | Not used |
| 24 | 2 | IS | O |  | 5-23 | 0075 | Patient Status Code | New to Facility/ Clinic |
| 25 | 1 | IS | O |  |  | 0076 | Visit Priority Code | Not used |
| 26 | 8 | DT | O |  |  | 0077 | Previous Treatment Date | Not used |
| 27 | 2 | IS | O |  |  | 0078 | Expected Discharge Disposition | Not used |
| 28 | 8 | DT | O |  |  | 0079 | Signature on File Date | Not used |
| 29 | 8 | DT | O |  |  | 0070 | First Similar Illness Date | Not used |
| 30 | 3 | IS | O |  |  | 0071 | Patient Charge Adjustment Code | Not used |
| 31 | 2 | IS | O |  |  | 0072 | Recurring Service Code | Not used |
| 32 | 1 | ID | O |  |  | 0073 | Billing Media Code | Not used |
| 33 | 26 | TS | O |  |  | 0074 | Expected Surgery Date & Time | Not used |
| 34 | 2 | ID | O |  |  | 0075 | Military Partnership Code | Not used |
| 35 | 2 | ID | O |  |  | 0076 | Military Non-Availability Code | Not used |
| 36 | 1 | ID | O |  |  | 0077 | Newborn Baby Indicator | Not used |
| 37 | 1 | ID | O |  |  | 0078 | Baby Detained Indicator | Not used |

Table 5-9: Appointment Information Personnel Resource Segment (AIP)

| **SEQ** | **LEN** | **DT** | **R/O/C** | **RP/#** | **TBL#** | **ITEM#** | **Element Name** | **VistA Description** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 4 | SI | R |  |  | 00906 | Set ID - AIP | Sequential Number |
| 2 | 3 | ID | C |  |  | 00763 | Segment Action code | Not used |
| 3 | 80 | XCN | C | Y |  | 00913 | Personnel Resource ID | Component  Provider IEN  Family name  Given name  Middle name or initial  Suffix |
| 4 | 200 | CE | R |  |  | 00907 | Resource Role | Provider |
| 5 | 200 | CE | O |  |  | 00899 | Resource Group | Not used |
| 6 | 26 | TS | C |  |  | 01202 | Start Date/Time | Not used |
| 7 | 20 | NM | C |  |  | 00891 | Start Date/Time Offset | Not used |
| 8 | 200 | CE | C |  |  | 00892 | Start Date/Time Offset Units | Not used |

Table 5-10: Appointment Information (AIL)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SEQ** | **LEN** | **DT** | **R/O/C** | **RP/#** | **TBL#** | **ITEM#** | | **Element Name** | **VistA Description** |
| 1 | 4 | SI | R |  |  | 00902 | Set ID - AIL | | Sequential Number |
| 2 | 1 | ID | C |  |  | 00763 | Segment Action Code | | Not used |
| 3 | 90 | PL | C |  |  | 00903 | Location Resource ID | | Clinic Name  Components  1.   Clinic IEN (20)  2.   Null  3.   Null  4.   Null  5.   Null  6.   Null  7.   Null  8.   Null  9.   Clinic name (60) |
| 4 | 100 | CE | R |  | 5-33 | 00904 | Location Type | | DSS ID  Components  DSS Clinic ID code (3)  Description (40)  ‘DSS Clinic ID” (13) |
| 5 | 100 | CE | O |  | 5-33 | 00905 | Location Group | | DSS credit stop  DSS credit stop code (3)  Description (40)  “DSS Credit Stop” (15) |
| 6 | 26 | TS | C |  |  | 01202 | Start Date/Time | | Not used |
| 7 | 20 | NM | C |  |  | 00891 | Start Date/Time Offset | | Not used |
| 8 | 200 | CE | C |  |  | 00892 | Start Date/Time Offset Units | | Not used |
| 9 | 20 | NM | O |  |  | 00893 | Duration | | Not used |
| 10 | 200 | CE | O |  |  | 00894 | Duration Units | | Not used |
| 11 | 10 | IS | C |  |  | 00895 | Allow Substitution Code | | Not used |
| 12 | 200 | CE | C |  |  | 00889 | Filler Status Code | | Not used |

Table 5-11: Schedule Activity Information (SCH)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SEQ** | **LEN** | **DT** | **R/O/C** | **RP/#** | **TBL#** | **ITEM#** | **Element Name** | **VistA Description** |
| 1 | 75 | EI | R |  |  | 00860 | Placer Appointment ID | Sequential Number |
| 2 | 75 | EI | C |  |  | 00861 | Filler Appointment ID | Not used |
| 3 | 5 | NM | C |  |  | 00862 | Occurrence Number | Not used |
| 4 | 75 | EI | O |  |  | 00863 | Placer Group Number | Not used |
| 5 | 200 | CE | O |  |  | 00864 | Schedule ID | Not used |
| 6 | 3 | CE | O |  | 5-29 | 00883 | Event Reason | Component  Scheduling Event Reason codes. |
| 7 | 1 | CE | O |  | 5-24 | 00866 | Appointment Reason | Appointment Reason |
| 8 | 3 | CE | O |  | 5-23 | 00867 | Appointment Type | Appointment Type Codes |
| 9 | 20 | NM | O |  |  | 00868 | Appointment Duration | Not used |
| 10 | 200 | CE | O |  |  | 01304 | Appointment Duration Units | Not used |
| 11 | 200 | TQ | O | Y |  | 00884 | Appointment Timing Quantity | In the following order:  Date Appt Created  Desired Date  Appt Date (time)  Check-out Date (time)  Cancellation Date (time)  Auto-rebook Date(time)  Rescheduled Date(time) |
| 12 | 48 | XCN | O |  |  | 00874 | Placer Contact Person | Not used |
| 13 | 40 | XTN | O |  |  | 00875 | Placer Contact Phone Number | Not used |
| 14 | 106 | XAD | O |  |  | 00876 | Placer Contact Address | Not used |
| 15 | 80 | PL | O |  |  | 00877 | Placer Contact Location | Not used |
| 16 | 38 | XCN | R |  |  | 00885 | Filler Contact Person | Not used |
| 17 | 40 | XTN | O |  |  | 00886 | Filler Contact Phone Number | Not used |
| 18 | 106 | XAD | O |  |  | 00887 | Filler Contact Address | Not used |
| 19 | 80 | PL | O |  |  | 00888 | Filler Contact Location | Not used |
| 20 | 48 | XCN | R |  |  | 00878 | Entered by Person | Not used |
| 21 | 40 | XTN | O |  |  | 00879 | Entered by Phone Number | Not used |
| 22 | 80 | PL | O |  |  | 00880 | Entered by Location | Not used |
| 23 | 75 | EI | O |  |  | 00881 | Parent Placer Appointment ID | Not used |
| 24 | 75 | EI | O |  |  | 00882 | Parent Filler Appointment ID | Not used |
| 25 | 200 | CE | R |  | 5-26 | 00889 | Filler Status Code | Appointment Status |

Table 5-12: VA-Specific Outpatient Classification Segment (ZCL)

| **SEQ** | **LEN** | **DT** | **R/O** | **RP/#** | **TBL#** | **VistA Element Name** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 4 | SI | R |  |  | Set ID |
| 2 | 2 | ID | R |  | 5-28 | Outpatient Classification Type |
| 3 | 50 | ST |  |  |  | Not used |

Table 5-13: VA-Specific Enrollment Segment (ZEN)

| **SEQ** | **LEN** | **DT** | **R/O** | **RP/#** | **TBL#** | **VistA Element Name** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 4 | SI | R |  |  | Set ID |
| 2 | 8 | DT |  |  |  | Not used |
| 3 | 1 | ID |  |  |  | Not used |
| 4 | 1 | ID |  |  |  | Not used |
| 5 | 1 | ID |  |  |  | Not used |
| 6 | 60 | TX |  |  |  | Not used |
| 7 | 7 | ID |  |  |  | Not used |
| 8 | 7 | ID |  |  |  | Not used |
| 9 | 1 | ID |  |  | 5-30 | Enrollment Priority |
| 10 | 8 | DT |  |  |  | Not used |

Table 5-14: VA-Specific Service Period Segment (ZSP)

| **SEQ** | **LEN** | **DT** | **R/O** | **RP/#** | **TBL#** | **VistA Element Name** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | SI | 1 | 4 |  | Set ID |
| 2 | 1 | ID | R |  | 5-27 | Service Connected |
| 3 | 3 | NM |  |  |  | Service Connected Percentage |
| 4 | 2 | ID |  |  |  | Not Used |
| 5 | 1 | ID |  |  |  | Not Used |

Table 5-15: VA-Specific Patient Eligibility Segment (ZEL)

| **SEQ** | **LEN** | **DT** | **R/O** | **RP/#** | **TBL#** | **VistA Element Name** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 4 | SI | R |  |  | Set ID |
| 2 | 2 | ID |  |  | VA04 | Not used |
| 3 | 16 | CK |  |  |  | Not used |
| 4 | 12 | ST |  |  |  | Not used |
| 5 | 1 | ID |  |  | VA05 | Not used |
| 6 | 8 | NM |  |  |  | Not used |
| 7 | 40 | ST |  |  |  | Not used |
| 8 | 1 | ID |  |  | 5-27 | Not used |
| 9 | 30 | ST |  |  |  | Not used |
| 10 | 1 | ID |  |  | VA06 | Not used |
| 11 | 8 | DT |  |  |  | Not used |
| 12 | 8 | DT |  |  |  | Not used |
| 13 | 50 | ST |  |  |  | Not used |
| 14 | 1 | ID |  |  | 5-27 | Not used |
| 15 | 1 | ID |  |  | 5-27 | Not used |
| 16 | 1 | ID |  |  | 5-27 | Not used |
| 17 | 1 | ID |  |  | 5-27 | Not used |
| 18 | 1 | ID |  |  | 5-27 | Not used |
| 19 | 1 | ID |  |  | 5-27 | Not used |
| 20 | 1 | ID |  |  | 5-27 | Not used |
| 21 | 5 | NM |  |  |  | Not used |
| 22 | 1 | ID |  |  | VA0022 | Not used |
| 23 | 1 | ID |  |  | VA0036 | Not used |
| 24 | 8 | DT |  |  |  | Not used |
| 25 | 7 | ID |  |  | VA0115 | Not used |
| 26 | 8 | DT |  |  |  | Not used |
| 27 | 8 | DT |  |  |  | Not used |
| 28 | 6 | NM |  |  |  | Not used |
| 29 | 1 | ID |  |  | VA0046 | Not used |
| 30 | 8 | DT |  |  |  | Not used |
| 31 | 8 | DT |  |  |  | Not used |
| 32 | 8 | DT |  |  |  | Not used |
| 33 | 8 | DT |  |  |  | Not used |
| 34 | 8 | DT |  |  |  | Not used |
| 35 |  |  |  |  |  | Not used |
| 36 |  |  |  |  |  | Not used |
| 37 | 1 | ID |  |  | 5-27 | Combat Veteran |
| 38 | 8 | DT |  |  |  | Combat Veteran Status End Date |
| 39 | 1 | ID |  |  | 5-27 | Not used |
| 40 | 1 | ID |  |  | 5-27 | Not used |

Table 5-16: VA-Specific Military History Segment (ZMH)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SEQ** | **LEN** | **DT** | **R/O** | **RP/#** | **TBL#** | **Element Name** | **Patient (2) File Field or Expression** | | | |
| 1 | 4 | SI | R |  |  | Set ID – Military History | Sequential Number | 1 | 4 | SI |
| 2 | 4 | IF | R |  | VA038  (also see table 5-17) | Military History Type | Varies based upon Service. See Table 5-17. | 2 | 4 | IF |
| 3 | 80 | CE | R |  |  | Service Indicator | Varies based upon Service. See Table 5-17. | 3 | 80 | CE |
| 4 | 29 | DR | 0 |  |  | Service Entry Date and Service Separation Date | Varies based upon Service. See Table 5-17. | 4 | 29 | DR |

Table 5-17: ZMH – Field Number for Each Field

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Type** | | | | | | |
| SL | Service branch [Last] | (.325) | Service number [Last] (.328) | Service Discharge Type [Last] (.324) | Service Entry Date [Last] (.326) | Service Separation Date [Last] (.327) |
| SNL | Service branch [NTL] | (.3291) | Service number [NTL] (.3294) | Service Discharge Type [NTL] (.329) | Service Entry Date [NTL] (.3292) | Service Separation Date [NTL] (.3293) |
| SNNL | Service branch [NNTL] | (.3296) | Service number [NNTL] (.3299) | Service Discharge Type [NNTL] (.3295) | Service Entry Date [NNTL] (.3297) | Service Separation Date [NNTL] (.3298) |
| POW | POW Status Indicated | (.525) | POW Confinement Location (.526) | Not used | POW from date (.527) | POW to date (.528) |
| COMB | Combat Service Indicated | (.5291) | Combat Service Location (.5292) | Not used | Combat from date (.5293) | Combat to date (.5294) |
| VIET | Vietnam Service Indicated | (.32101) | Not used | Not used | Vietnam from date (.32104) | Vietnam to date (.32105) |
| LEBA | Lebanon Service Indicated | (.3221) | Not used | Not used | Lebanon from date (.3222) | Lebanon to date (.3223) |
| GREN | Grenada Service Indicated | (.3224) | Not used | Not used | Grenada from date (.3325) | Grenada to date (.3226) |
| PANA | Panama Service Indicated | (.3227) | Not used | Not used | Panama from date (.3228) | Panama to date (.3229) |
| GULF | Persian Gulf Service | (.32201) | Not used | Persian Gulf from date (.322011) | Persian Gulf to date (.322012) | Not used |
| SOMA | Somalia Service Indicated | (.322016) | Not used | Not used | Somalia from date (.322017) | Somalia to date (.322018) |
| YUGO | Yugoslavia Service Indicated | (.322019) | Not used | Not used | Yugoslavia from date (.32202) | Yugoslavia to date (.322021) |
| PH | Current PH Indicator | (.531) | Current Purple Heart Status (.532) | Current Purple Heart Remarks (.533) | Not used | Not used |

Table 5-18: ZMH Segment Indicators/Qualifiers

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Type** | | | | | |
| SL | Service branch | Service number | Discharge Type | Entered | Separated |
| SNL | Service branch | Service number | Discharge Type | Entered | Separated |
| SNNL | Service branch | Service number | Discharge Type | Entered | Separated |
| POW | Indicated - ‘Y’, ‘N’ or ‘U’ | Confinement Location | Not Used | From Date | To Date |
| COMB | Indicated - ‘Y’, ‘N’ or ‘U’ | Service Location | Not Used | From Date | To Date |
| VIET | Indicated - ‘Y’, ‘N’ or ‘U’ | Not used | Not Used | From Date | To Date |
| LEBA | Indicated - ‘Y’, ‘N’ or ‘U’ | Not used | Not Used | From Date | To Date |
| GREN | Indicated - ‘Y’, ‘N’ or ‘U’ | Not used | Not Used | From Date | To Date |
| PANA | Indicated - ‘Y’, ‘N’ or ‘U’ | Not used | Not Used | From Date | To Date |
| GULF | Indicated - ‘Y’, ‘N’ or ‘U’ | Not used | Not Used | From Date | To Date |
| SOMA | Indicated - ‘Y’, ‘N’ or ‘U’ | Not used | Not Used | From Date | To Date |
| YUGO | Indicated - ‘Y’, ‘N’ or ‘U’ | Not used | Not Used | From Date | To Date |
| PH | PH Indicator | PH Status | Rejected Remarks | Not Used | Not Used |

## Supported and User-Defined HL7 Tables

Table 5-19: Event Type

|  |  |
| --- | --- |
| **Value** | **Description** |
| S12 | SIU/ACK - Notification of new appointment booking |
| S14 | SIU/ACK - Notification of appointment modification |
| S15 | SIU/ACK - Notification of appointment cancellation |
| S26 | SIU/ACK - Notification that patient did not show up for schedule appointment |

Table 5-20: Patient Class

|  |  |
| --- | --- |
| **Value** | **Description** |
| I | Inpatient |
| O | Outpatient |
| U | Unknown |

Table 5-21: Acknowledgment Code

|  |  |
| --- | --- |
| **Value** | **Description** |
| AA | Application Acknowledgment: Accept |
| AE | Application Acknowledgment: Error |
| AR | Application Acknowledgment: Reject – Not Used |
| MR | Application Acknowledgment: Manual Reject |
| CA | Accept Acknowledgment: Commit Accept |
| CE | Accept Acknowledgment: Commit Error |
| CR | Accept Acknowledgment: Commit Reject |

The patch is prepared for ‘AR’ – The Whole Batch Rejection, but it has not been expected to receive that code from AITC at this time. ‘MR’ may be used instead.

Table 5-22: Message Type

|  |  |
| --- | --- |
| **Value** | **Description** |
| SIU | SIU Message |
| ACK | General Acknowledgment |

Table 5-23: Patient Status Codes

|  |  |
| --- | --- |
| **Value** | **Description** |
| NTF | Patient did not have a prior appointment at this facility in the past 24 months; new to parent and substation. |
| SHB | Patient did have a prior appointment at this parent and substation in the past 24 months; registered here before. |
| OPN | Patient did not have a prior appointment at this substation but was registered with parent station. |

The patient status code indicates whether a patient is new to the facility or not. Both the parent station and the substations are evaluated. The patient is new to the facility if he or she did not have another scheduled appointment in the same facility during the last 24 months. The facility is determined from the Institution file if there is a pointer to it from the Hospital Location file through the pointer to the Medical Center Division from the Division field of the Hospital Location file. Also see the User Guide for additional information.

Table 5-24: Appointment Reason Codes

|  |  |
| --- | --- |
| **Value** | **Description** |
| 1 | Next Ava. Appt. Indicated by User |
| 2 | Next Ava. Appt. Indicated by Calculation |
| 3 | Next Ava. Appt. Indicated by User & Calculation |
| 4 | Not Next Available with AutoRebook |
| 5 | Not Next Available No AutoRebook |
| 6 | Null (All Others) |

Table 5-25: Appointment Type Codes

|  |  |
| --- | --- |
| **Value** | **Description** |
| AR | Action Required |
| NAT | No Action Taken |
| F | Future |
| NC | Non-Count |
| NCF | Non Count future |
| ABK | Auto Re-Book |
| O | Outpatient |
| I | Inpatient |
| RS | Re-Schedule |

Table 5-26: Filler Status Codes

|  |  |
| --- | --- |
| **Value** | **Description** |
| P | Pending |
| F | Final |

Table 5-27: Yes or No Description

|  |  |
| --- | --- |
| **Value** | **Description** |
| 0 | No |
| 1 | Yes |
| N | No |
| Y | Yes |
| U | Unknown |

Table 5-28: Outpatient Classification Type

|  |  |
| --- | --- |
| **Value** | **Description** |
| 1 | Agent Orange |
| 2 | Ionizing Radiation |
| 3 | Service Connected |
| 4 | Environmental Contaminants |
| 5 | Military Sexual Trauma |
| 6 | Head and/or Neck Cancer |

The values denoted in Table 5-29 shows the valid combinations of Purpose of Visit & Appointment Type. This table is also used for ACRP HL7 transmission.

Table 5-29: Purpose of Visit and Appointment Type

|  |  |  |
| --- | --- | --- |
| **Value** | **Purpose of Visit** | **Appointment Type** |
| 0101 | C&P | Compensation & Pension |
| 0102 | C&P | Class II Dental |
| 0103 | C&P | Organ Donors |
| 0104 | C&P | Employee |
| 0105 | C&P | Prima Facia |
| 0106 | C&P | Research |
| 0107 | C&P | Collateral of Vet. |
| 0108 | C&P | Sharing Agreement |
| 0109 | C&P | Regular |
| 0111 | C&P | Service Connected |
| 0201 | 10-10 | Compensation & Pension |
| 0202 | 10-10 | Class II Dental |
| 0203 | 10-10 | Organ Donors |
| 0204 | 10-10 | Employee |
| 0205 | 10-10 | Prima Facia |
| 0206 | 10-10 | Research |
| 0207 | 10-10 | Collateral of Vet. |
| 0208 | 10-10 | Sharing Agreement |
| 0209 | 10-10 | Regular |
| 0211 | 10-10 | Service Connected |
| 0301 | Scheduled Visit | Compensation & Pension |
| 0302 | Scheduled Visit | Class II Dental |
| 0303 | Scheduled Visit | Organ Donors |
| 0304 | Scheduled Visit | Employee |
| 0305 | Scheduled Visit | Prima Facia |
| 0306 | Scheduled Visit | Research |
| 0307 | Scheduled Visit | Collateral Of Vet. |
| 0308 | Scheduled Visit | Sharing Agreement |
| 0309 | Scheduled Visit | Regular |
| 0311 | Scheduled Visit | Service Connected |
| 0401 | Unscheduled Visit | Compensation & Pension |
| 0402 | Unscheduled Visit | Class II Dental |
| 0403 | Unscheduled Visit | Organ Donors |
| 0404 | Unscheduled Visit | Employee |
| 0405 | Unscheduled Visit | Prima Facia |
| 0406 | Unscheduled Visit | Research |
| 0407 | Unscheduled Visit | Collateral of Vet. |
| 0408 | Unscheduled Visit | Sharing Agreement |
| 0409 | Unscheduled Visit | Regular |
| 0411 | Unscheduled Visit | Service Connected |

AITC created rejection code 850, 'Admit type is invalid (Table 5-27)', which corresponds to the following error-checking code in the PCMM HL7 ERROR CODE file (#404.472), and enforces the combinations in Table 5-29.

IF ADMIT\_TYPE NOT IN ('0101','0102','0103','0104','0105','0106',

'0107','0108','0109','0111','0201','0202','0203','0204','0205',

'0206','0207','0208','0209','0211','0301','0302','0303','0304',

'0305','0306','0307','0308','0309','0311','0401','0402','0403',

'0404','0405','0406','0407','0408',

'0409','0411',' ')

THEN ERR\_CODE = '850';

*Note: It has been determined that the PV1 segment can contain the ‘empty’ value for sequence P1.4 and it must be treated as* acceptable*. That might happen when a new appointment is scheduled in place of the previously canceled appointment, and if that original appointment had been already transmitted by PAIT.*

Table 5-30: Enrollment Priority

|  |  |
| --- | --- |
| **Value** | **Description** |
| 1 | Priority 1 |
| 2 | Priority 2 |
| 3 | Priority 3 |
| 4 | Priority 4 |
| 5 | Priority 5 |
| 6 | Priority 6 |
| 7 | Priority 7 |
| 8 | Priority 8 |

Table 5-31: Scheduling Event Reason

|  |  |
| --- | --- |
| **Value** | **Description** |
| CI | Check-in |
| CO | Check-out |
| NS | No Show |
| CC | Cancel by clinic |
| CP | Cancel by patient |
| COE | Check-out by encounter |
| NM | No Match |
| CT | Cancelled Terminated |

Table 5-32: Error Code Set

|  |  |
| --- | --- |
| **Value** | **Description** |
| 100 | Patient DFN is not numeric or is missing |
| 150 | Clinic IEN is not numeric or is missing |
| 200 | BHS station number and station are not equal |
| 250 | Invalid or missing BHS station number |
| 300 | Invalid or missing station |
| 350 | HL7 date is not in proper format or is missing |
| 400 | DOB is missing or invalid |
| 450 | Create date or appt date is missing |
| 500 | Creation date is before September 1, 2002 |
| 600 | Rescheduled date and appt type are not in agreement - rescheduled date requires sch.8 appt type = ‘RS’ and vice versa |
| 650 | Check out date and event reason are not in agreement - check out date requires either sch.6 event reason = ‘CO’ or ‘COE’ |
| 700 | Cancellation date and event reason are not in agreement - cancellation date requires sch.6 event reason = ‘CC’ or ‘CP’ or ‘NS’ |
| 750 | Event reason and filler status are not in agreement - all sch.6 event reason codes, except ‘CI’ require sch.25 filler status to be ‘F’ Final and accordingly only ‘CI’ and null should have sch.25 filler status to be ‘P’ Pending |
| 800 | Filler status is missing or is invalid |
| 850 | Admit type is invalid |
| R | Whole batch rejected |

R – In the above table, whole batch rejection may be done only in VistA through the Manual Batch Reject [SD-PAIT MANUAL BATCH REJECT] option.

The Manual Batch Reject [SD-PAIT MANUAL BATCH REJECT] option has been disabled with SD\*5.3\*639 since PAIT HL7 transmission has been discontinued.

Table 5-33 gives a previous snapshot of the DSS ID and DSS Credit Stop table. This table is included as sample data only. The corresponding VistA Clinic Stop (file #40.7) is updated annually so will not necessarily match the sample data below.

Table 5-33: DSS ID and DSS Credit Stop

| **Value** | **Description** | **Allow Either** | **Primary** | **Secondary** | **Inactive Date** |
| --- | --- | --- | --- | --- | --- |
| 101 | Emergency Unit |  |  | S |  |
| 102 | Admitting/Screening | E |  |  |  |
| 103 | Telephone Triage |  | P |  |  |
| 104 | Pulmonary Function | E |  |  |  |
| 105 | X-Ray | E |  |  |  |
| 106 | EEG | E |  |  |  |
| 107 | EKG |  | P |  |  |
| 108 | Laboratory | E |  |  |  |
| 109 | Nuclear Medicine | E |  |  |  |
| 110 | Cardiovascular Nuclear Med | E |  |  | Oct 1, 1998 |
| 111 | Oncological Nuclear Med | E |  |  | Oct 1, 1998 |
| 112 | Infectious Disease Nuclear Med | E |  |  | Oct 1, 1998 |
| 113 | Radionuclide Treatment | E |  |  | Oct 1, 1998 |
| 114 | Sing Photon Emiss Tomography | E |  |  | Oct 1, 1998 |
| 115 | Ultrasound | E |  |  |  |
| 116 | Respiratory Therapy | E |  |  |  |
| 117 | Nursing (2nd only) |  |  | S |  |
| 118 | Home Treatment Services |  | P |  |  |
| 119 | Comm Nursing Home Follow-Up | E |  |  |  |
| 120 | Health Screening | E |  |  |  |
| 121 | Residential Care (Non-MH) | E |  |  |  |
| 122 | Public Health Nursing | E |  |  |  |
| 123 | Nutrition/Dietetics-Individual | E |  |  |  |
| 124 | Nutrition/Dietetics-Group | E |  |  |  |
| 125 | Social Work Service | E |  |  |  |
| 126 | Evoked Potential | E |  |  |  |
| 127 | Topographical Brain Mapping | E |  |  |  |
| 128 | Prolonged Video-Eeg Monitoring | E |  |  |  |
| 129 | Hypertension Screening | E |  |  | Oct 1, 1991 |
| 130 | Cholesterol Screening | E |  |  | Oct 1, 1991 |
| 131 | Breast Cancer Screening | E |  |  | Oct 1, 1991 |
| 132 | Mammogram | E |  |  | Oct 1, 1991 |
| 133 | Cervical Cancer Screening | E |  |  | Oct 1, 1991 |
| 134 | Pap Test | E |  |  | Oct 1, 1991 |
| 135 | Colorectal Cancer Screening | E |  |  | Oct 1, 1991 |
| 136 | Fobt - Guiac Screening | E |  |  | Oct 1, 1991 |
| 137 | Alcohol Counseling - Med Care | E |  |  | Oct 1, 1991 |
| 138 | Smoking Cessation | E |  |  | Oct 1, 1991 |
| 139 | Weight Control | E |  |  | Oct 1, 1991 |
| 140 | Phys Fitness/Exercise Counsel | E |  |  | Oct 1, 1991 |
| 141 | Vet Immunization | E |  |  | Oct 1, 1991 |
| 142 | Colorectal Ca Screen Dig Exam | E |  |  | Oct 1, 1991 |
| 143 | Persian Gulf Readjust Counsel | E |  |  | Jan 1, 1988 |
| 144 | Radionuclide Therapy | E |  |  |  |
| 145 | Pharm/Physio Nmp Studies | E |  |  |  |
| 146 | Pet | E |  |  |  |
| 147 | Telephone/Ancillary |  | P |  |  |
| 148 | Telephone/Diagnostic |  | P |  |  |
| 149 | Radiation Therapy Treatment | E |  |  |  |
| 150 | Computerized Tomography (CT) | E |  |  |  |
| 151 | Magnetic Resonance Imaging/MRI | E |  |  |  |
| 152 | Angiogram Catheterization | E |  |  |  |
| 153 | Interventional Radiography | E |  |  |  |
| 154 | MEG (Magnetoencephalography) | E |  |  |  |
| 155 | Info Assists Technology | E |  |  |  |
| 160 | Clinical Pharmacy |  |  | S |  |
| 161 | Transitional Pharmacy |  | P |  |  |
| 163 | Chaplain-Clinical SVCS-Indiv | E |  |  | Oct 1, 2002 |
| 164 | Chaplain-Clinical SVCS-Group | E |  |  | Oct 1, 2002 |
| 165 | Bereavement Counseling | E |  |  |  |
| 166 | Chaplain Service - Individual | E |  |  |  |
| 167 | Chaplain Service - Group | E |  |  |  |
| 168 | Chaplain Service - Collateral | E |  |  |  |
| 169 | Telephone/Chaplain |  | P |  |  |
| 170 | HBPC - Physician |  | P |  |  |
| 171 | HBPC - RN/RNP/PA |  | P |  |  |
| 172 | HBPC - Nurse Extender |  | P |  |  |
| 173 | HBPC - Social Worker |  | P |  |  |
| 174 | HBPC - Therapist |  | P |  |  |
| 175 | HBPC - Dietitian |  | P |  |  |
| 176 | HBPC - Clinical Pharmacist |  | P |  |  |
| 177 | HBPC - Other |  | P |  |  |
| 178 | HBPC/Telephone |  | P |  |  |
| 179 | Home Televideo Care |  |  | S |  |
| 180 | Dental | E |  |  |  |
| 181 | Telephone/Dental |  | P |  |  |
| 185 | Phys Extnd NP (NRS Prcnr) 2nd |  |  | S |  |
| 186 | Phys Extnd Pa (Phys Asst) 2nd |  |  | S |  |
| 187 | Phys Extnd Cns (CLN RN SPC)2nd |  |  | S |  |
| 190 | Adult Day Health Care | E |  |  |  |
| 201 | Physical Med & Rehab SVC | E |  |  |  |
| 202 | Recreation Therapy Service | E |  |  |  |
| 203 | Audiology | E |  |  |  |
| 204 | Speech Pathology | E |  |  |  |
| 205 | Physical Therapy | E |  |  |  |
| 206 | Occupational Therapy | E |  |  |  |
| 207 | PM&RS Incentive Therapy | E |  |  |  |
| 208 | PM&RS Compensated Work Therapy | E |  |  |  |
| 209 | Vist Coordinator | E |  |  |  |
| 210 | Spinal Cord Injury | E |  |  |  |
| 211 | Amputation Follow-Up Clinic | E |  |  |  |
| 212 | EMG - Electromyogram | E |  |  |  |
| 213 | PM&RS Vocational Assistance | E |  |  |  |
| 214 | Kinesiotherapy | E |  |  |  |
| 215 | SCI Home Care Program | E |  |  |  |
| 216 | Telephone/Rehab and Support |  | P |  |  |
| 217 | BROS (Blind Rehab O/P Spec) | E |  |  |  |
| 218 | Cat Blind Rehab | E |  |  |  |
| 219 | TBI (Traumatic Brain Injury) | E |  |  |  |
| 220 | VISOR (Visual Impairment Outpatient) | E |  |  |  |
| 290 | Observation Medicine |  | P |  |  |
| 291 | Observation Surgery |  | P |  |  |
| 292 | Observation Psychiatry |  | P |  |  |
| 293 | Observation Neurology |  | P |  |  |
| 294 | Observation Blind Rehab |  | P |  |  |
| 295 | Observation Spinal Cord |  | P |  |  |
| 296 | Observation Rehabilitation |  | P |  |  |
| 301 | General Internal Medicine | E |  |  |  |
| 302 | Allergy Immunology | E |  |  |  |
| 303 | Cardiology | E |  |  |  |
| 304 | Dermatology | E |  |  |  |
| 305 | Endo./Metab (except Diabetes) | E |  |  |  |
| 306 | Diabetes | E |  |  |  |
| 307 | Gastroenterology | E |  |  |  |
| 308 | Hematology | E |  |  |  |
| 309 | Hypertension | E |  |  |  |
| 310 | Infectious Disease | E |  |  |  |
| 311 | Pacemaker | E |  |  |  |
| 312 | Pulmonary/Chest | E |  |  |  |
| 313 | Renal/Nephrol(except Dialysis) | E |  |  |  |
| 314 | Rheumatology/Arthritis | E |  |  |  |
| 315 | Neurology | E |  |  |  |
| 316 | Oncology/Tumor | E |  |  |  |
| 317 | Coumadin Clinic | E |  |  |  |
| 318 | Geriatric Clinic | E |  |  |  |
| 319 | Geriatric Eval & Mgmt (GEM) | E |  |  |  |
| 320 | Alzheimer's/Dementia Clinic | E |  |  |  |
| 321 | GI Endoscopy | E |  |  |  |
| 322 | Women's Clinic | E |  |  |  |
| 323 | Primary Care/Medicine | E |  |  |  |
| 324 | Telephone/Medicine |  | P |  |  |
| 325 | Telephone/Neurology |  | P |  |  |
| 326 | Telephone/Geriatrics |  | P |  |  |
| 327 | Med MD Perform Invasive or Proc |  | P |  |  |
| 328 | Medical/Surgical Day Unit MSDU | E |  |  |  |
| 329 | Medical Procedure Unit | E |  |  |  |
| 330 | Chemotherapy Proc. Unit-med. | E |  |  |  |
| 331 | Pre-Bed Care MD (Medicine) | E |  |  |  |
| 332 | Pre-Bed Care RN (medicine) | E |  |  |  |
| 333 | Cardiac Catheterization | E |  |  |  |
| 334 | Cardiac Stress Test/ETT | E |  |  |  |
| 335 | Padrecc Parkinson's diseaserecc | E |  |  |  |
| 350 | Geriatric Primary Care | E |  |  |  |
| 351 | Advanced Illness Coor Care(AICC) | E |  |  |  |
| 370 | Ltc Screening (2nd Only) |  |  | S |  |
| 401 | General Surgery | E |  |  |  |
| 402 | Cardiac surgery | E |  |  |  |
| 403 | ENT | E |  |  |  |
| 404 | Gynecology | E |  |  |  |
| 405 | Hand Surgery | E |  |  |  |
| 406 | Neurosurgery | E |  |  |  |
| 407 | Ophthalmology | E |  |  |  |
| 408 | Optometry | E |  |  |  |
| 409 | Orthopedics | E |  |  |  |
| 410 | Plastic Surgery | E |  |  |  |
| 411 | Podiatry | E |  |  |  |
| 412 | Proctology | E |  |  |  |
| 413 | Thoracic Surgery | E |  |  |  |
| 414 | Urology | E |  |  |  |
| 415 | Vascular Surgery | E |  |  |  |
| 416 | Amb Surgery Eval BY Non-MD | E |  |  |  |
| 417 | Prosthetics/Orthotics | E |  |  |  |
| 418 | Amputation Clinic | E |  |  |  |
| 419 | Anesthesia Pre/Post-Op Consult | E |  |  |  |
| 420 | Pain Clinic | E |  |  |  |
| 421 | Vascular Laboratory | E |  |  |  |
| 422 | Cast Clinic | E |  |  |  |
| 423 | Prosthetic Supply Dispensed | E |  |  |  |
| 424 | Telephone/Surgery |  | P |  |  |
| 425 | Telephone/Prosthetics/Orthotic |  | P |  |  |
| 426 | Women Surgery | E |  |  |  |
| 427 | Primary Care/Surgery | E |  |  | Oct 1, 1997 |
| 428 | Telephone/Optometry |  | P |  |  |
| 429 | Outpatient Care In OR |  | P |  |  |
| 430 | Cysto Room Unit for Outpatient | E |  |  |  |
| 431 | Chemotherapy proc. Unit-Surg | E |  |  |  |
| 432 | Pre-Bed Care MD (Surgery) | E |  |  |  |
| 433 | Pre-Bed Care RN (Surgery) | E |  |  |  |
| 435 | Surgical Procedure Unit | E |  |  |  |
| 436 | Chiropractic Care In Med CTR | E |  |  |  |
| 449 | Fitting & Adjstmnts 2nd Only |  |  | S |  |
| 450 | Compensation & Pension |  |  | S |  |
| 451 to 456 | Local Use |  |  | S |  |
| 457 | Transplant |  |  | S |  |
| 458 to 473 | Local Use (Delete 473 Tbppd Shot) |  |  | S |  |
| 474 | Research |  |  | S |  |
| 475 to 479 | Local Use |  |  | S |  |
| 480 | Comprehensive Fundoscopy |  |  | S |  |
| 481 | Bronchoscopy |  |  | S |  |
| 482 to 485 | Local Use |  |  | S |  |
| 501 | Homeless Mentally Ill Outreach | E |  |  | Oct 1, 1994 |
| 502 | Mental Health Clinic - IND | E |  |  |  |
| 503 | MH Residential Care IND | E |  |  |  |
| 504 | IPCC Medical Center Visit | E |  |  | Apr 1, 1997 |
| 505 | Day Treatment-Individual | E |  |  |  |
| 506 | Day Hospital-Individual | E |  |  |  |
| 507 | Drug Dependence-Individual | E |  |  | Apr 1, 1997 |
| 508 | Alcohol Treatment-Individual | E |  |  | Apr 1, 1997 |
| 509 | Psychiatry-MD Individual | E |  |  |  |
| 510 | Psychology-Individual | E |  |  |  |
| 511 | Neurobehavioral-Individual | E |  |  | Oct 1, 1993 |
| 512 | Psychiatry Consultation | E |  |  |  |
| 513 | Substance Abuse - Individual | E |  |  |  |
| 514 | Substance Abuse - Home Visit | E |  |  |  |
| 515 | CWT/TR-HCMI | E |  |  | Apr 1, 1997 |
| 516 | PTSD - Group | E |  |  |  |
| 517 | CWT Substance Abuse | E |  |  | Apr 1, 1997 |
| 518 | CWT/TR-Substance Abuse | E |  |  | Apr 1, 1997 |
| 519 | Subst Use Disorder/PTSD Teams | E |  |  |  |
| 520 | Long-Term Enhancement, Individ | E |  |  |  |
| 521 | Long-Term Enhancement, Group | E |  |  |  |
| 522 | HUD/VASH | E |  |  |  |
| 523 | Opioid Substitution | E |  |  |  |
| 524 | Active Duty Sex Trauma | E |  |  |  |
| 525 | Women's Stress Disorder Teams | E |  |  |  |
| 526 | Telephone/Special Psychiatry | E |  |  | Apr 1, 1997 |
| 527 | Telephone/General Psychiatry |  | P |  |  |
| 528 | Tele/Homeless Mentally Ill |  | P |  |  |
| 529 | HCHV/HMI |  | P |  |  |
| 530 | Telephone/Hud-Vash |  | P |  |  |
| 531 | Mh Primary Care Team - IND | E |  |  |  |
| 532 | Psychosocial Rehab - IND | E |  |  |  |
| 533 | MH Intervntion Biomed Care IND | E |  |  |  |
| 535 | MH Vocational Assistance - IND | E |  |  |  |
| 536 | Telephone/MH Voc Assistance |  | P |  |  |
| 537 | Telephone/Psychosocial Rehab |  | P |  |  |
| 538 | Psychological Testing | E |  |  |  |
| 540 | PCT Post-Traumatic Stress-IND |  | P |  |  |
| 541 | PTSD Post-Traumatic Stress | E |  |  | Jan 1, 1991 |
| 542 | Telephone/PTSD |  | P |  |  |
| 543 | Telephone/Alcohol Dependence | E |  |  | Apr 1, 1997 |
| 544 | Telephone/Drug Dependence | E |  |  | Apr 1, 1997 |
| 545 | Telephone/Substance Abuse |  | P |  |  |
| 546 | Telephone/MHICM |  | P |  |  |
| 547 | Intensive Substance Abuse Trmt | E |  |  |  |
| 550 | Mental Health Clinic-Group | E |  |  |  |
| 551 | IPCC Comm Cln/Day Program Vst | E |  |  | Apr 1, 1997 |
| 552 | Mental HLT Int Case Mgt(Mhicm) |  | P |  |  |
| 553 | Day Treatment-Group | E |  |  |  |
| 554 | Day Hospital-Group | E |  |  |  |
| 555 | Drug Dependence-Group | E |  |  | Apr 1, 1997 |
| 555 | Drug Dependence-Group | E |  |  | Apr 1, 1997 |
| 556 | Alcohol Treatment-Group | E |  |  | Apr 1, 1997 |
| 557 | Psychiatry - MD Group | E |  |  |  |
| 558 | Psychology-Group | E |  |  |  |
| 559 | Psychosocial Rehab - Group | E |  |  |  |
| 560 | Substance Abuse - Group | E |  |  |  |
| 561 | Pct-Post Traumatic Stress-Grp |  | P |  |  |
| 562 | PTSD - Individual | E |  |  |  |
| 563 | MH Primary Care Team - Group | E |  |  |  |
| 564 | MH Team Case Management | E |  |  |  |
| 565 | MH Medical Care Only-Group | E |  |  |  |
| 566 | MH Risk-Factor-Reduction Ed Grp | E |  |  |  |
| 567 | MHICM Grp Mtlhlth Intsv CS Mgt |  | P |  |  |
| 571 | Readjustment Counseling-Indiv | E |  |  | Jan 31, 1994 |
| 572 | Readjustment Counseling-Group | E |  |  | Jan 31, 1994 |
| 573 | MH Incentive Therapy - Group | E |  |  |  |
| 574 | Mh Comp Work Therapy (CWT) Grp | E |  |  |  |
| 575 | MH Vocational Assistance-Grp | E |  |  |  |
| 576 | Psychogeriatric - Individual | E |  |  |  |
| 577 | Psychogeriatric Clinic - Group | E |  |  |  |
| 578 | Psychogeriatric Day Program | E |  |  |  |
| 579 | Telephone/Psychogeriatrics |  | P |  |  |
| 580 | PTSD Day Hospital | E |  |  |  |
| 581 | PTSD Day Treatment | E |  |  |  |
| 589 | Non-Active Duty Sex Trauma | E |  |  |  |
| 590 | Comm Outreach Homeless Vets | E |  |  |  |
| 601 | Acute Hemodial Treatment | E |  |  | Oct 1, 1990 |
| 602 | Chron Assisted Hemodial Treat |  | P |  |  |
| 603 | Lim Self Care Hemodial Treat |  | P |  |  |
| 604 | Home/Self Hemodial Train Treat |  | P |  |  |
| 605 | Acute Peritoneal Dial Treat |  | P |  | Oct 1, 1990 |
| 606 | Chron Assisted Perit Dialysis |  | P |  |  |
| 607 | Lim Self Care Perit Dialysis |  | P |  |  |
| 608 | Home/Self Perit Dialysis Train |  | P |  |  |
| 610 | Contract Dialysis |  | P |  |  |
| 611 | Telephone/Dialysis |  | P |  |  |
| 640 | Send-Out Procs Not Fee |  | P |  |  |
| 641 | Send-Out Procs-Dod Not Fee |  | P |  |  |
| 642 | Send-Out Procs Fee |  | P |  |  |
| 650 | Contract Nursing Home Days |  | P |  |  |
| 651 | State Nursing Home Days |  | P |  |  |
| 652 | State Domiciliary Home Days |  | P |  |  |
| 653 | State Hospital Care |  | P |  |  |
| 654 | Non VA Residential Care Days |  | P |  |  |
| 655 | Community Non-VA Care |  | P |  |  |
| 656 | DOD Non-VA Care |  | P |  |  |
| 657 | Assist Living Vendor Work |  | P |  |  |
| 660 | Chiropractic Care Outside VA |  | P |  |  |
| 670 | Assist Living, VHA-Paid Staff |  | P |  |  |
| 680 | Home/Commun Healthcare Assess | E |  |  |  |
| 681 | VA-Paid Home/Commun Healthcare |  | P |  |  |
| 682 | VA-Refer Home/Commun Care Prov |  | P |  |  |
| 683 | Nonvideo Home Telehealth Monit |  | P |  |  |
| 684 | Nonvideo Home Telehealth Inter |  |  | S |  |
| 690 | Telemedicine |  |  | S |  |
| 691 | Pre-Emp Phys Militry Personnel | E |  |  |  |
| 692 | Telmd Cnslt Sm Sta 2nd Only |  |  | S |  |
| 693 | Telmd Cnslt Not Sm Sta 2ndonly |  |  | S |  |
| 701 | Blood Pressure Check |  |  | S |  |
| 702 | Cholesterol Screening |  |  | S | Oct 1, 2002 |
| 703 | Mammogram (Can Be Primary) | E |  |  |  |
| 704 | Pap Test |  |  | S |  |
| 705 | Fobt - Guiac Screening |  |  | S | Oct 1, 2002 |
| 706 | Alcohol Screening |  |  | S |  |
| 707 | Smoking Cessation |  |  | S |  |
| 708 | Nutrition |  |  | S | Oct 1, 2002 |
| 709 | Phy Fit/Exercise Counseling |  |  | S | Oct 1, 2002 |
| 710 | Influenza Immunization |  |  | S |  |
| 711 | Injury Counsel/Seat Belt Usage |  |  | S | Oct 1, 2002 |
| 712 | Hep C Registry Patient |  |  | S |  |
| 713 | Gambling Addiction (2nd Only) |  |  | S |  |
| 714 | Other Education 2nd Only |  |  | S |  |
| 715 | Ongoing Trtmt (Non-Mh) 2nd |  |  | S |  |
| 716 | Post Surg Rtine Aftrcare 2nd |  |  | S |  |
| 725 | Domiciliary Outreach Services | E |  |  |  |
| 726 | Dom Aftercare - Community | E |  |  |  |
| 727 | Domiciliary Aftercare - VA | E |  |  |  |
| 728 | Domiciliary Dam Screening Sacs | E |  |  |  |
| 729 | Telephone/Domiciliary |  | P |  |  |
| 730 | Dom General Care | E |  |  |  |
| 731 | Prep General Care | E |  |  |  |
| 801 | In-Vans, Other Vamp 2nd Only |  |  | S |  |
| 802 | Out Of Vans, VA 2ndary Only |  |  | S |  |
| 803 | Commercial 2ndary Only |  |  | S |  |
| 900 | Special Services | E |  |  | Oct 1, 1998 |
| 902 | Computed Tomography Scans | E |  |  | Apr 1, 1989 |
| 903 | Radiation Therapy | E |  |  | Apr 1, 1989 |
| 904 | Chemotherapy | E |  |  | Mar 1, 1989 |
| 905 | Ambulatory Surgery Services | E |  |  | Apr 1, 1989 |
| 906 | Blood/Blood Products Trans. | E |  |  | Apr 1, 1989 |
| 907 | Nuclear Magnetic Resonance | E |  |  | Apr 1, 1989 |
| 999 | Employee Health |  | P |  |  |

## 

## HL7 Control Segments

The following illustrates PAIT Batch Message format:

BHS^~|\&^SD-AITC-PAIT^200^SD-SITE-PAIT^500^20040408140937^^~P~ACK~2.4~AL~NE^AE^200404-5001740^5001740

MSH^~|\&^SD-SITE-PAIT^500^SD-AITC-PAIT^200^^^SIU~S12^5001740236-1^D^2.4^^^AL^AL^USA

SCH^1^^^^^^4^NAT^^^~~~20030908~~~Date Appt Created|~~~~~~Desired Date|~~~200309180800~~~Appt

Date|~~~~~~Checkout Date|~~~~~~Cancellation Date|~~~~~~Auto-rebook Date|~~~~~~Resched

Date|~~~200309010930~~~Consult Date^^^^^^^^^^^^^^P

PID^1^^""~~~USVHA&&L~NI|7171938~~~USVHA&&L~PI^^XXXXX~YYYYY^^19301212^^^^~~~~19107^^^^^^^^2081212

30P

PV1^1^O^^0309^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^500

PV2^^^^^^^^^^^^^^^^^^^^^^^^SHB

AIP^1^^1934~XXXXXXX~YYYYYYY~R^Provider

AIL^1^^422~~~~~~~~CECELIA'S CLINIC^402~CARDIAC SURGERY~DSS Clinic ID^418~AMPUTATION CLINIC~DSS

Credit Stop

ZCL^1^1^

ZCL^2^2^""

ZCL^3^3^

ZCL^4^4^""

ZCL^5^5^""

ZCL^6^6^""

ZCL^7^7^""

ZCL^8^8^""

ZEN^1^^^^^^^^5

ZSP^1^Y^60

ZEL^1^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^U^

ZMH^1^SL^^~19690502

ZMH^2^COMB^Y~KOREAN

ZMH^3^GULF^N^

ZSP^1^N^

MSH^~|\&^SD-SITE-PAIT^500^SD-AITC-PAIT^200^^^SIU~S15^5001740236-2^D^2.4^^^AL^AL^USA

SCH^1^^^^^CC^3^RS^^^~~~20030829~~~Date Appt Created|~~~20030829~~~Desired

Date|~~~200308291330~~~Appt Date|~~~~~~Checkout Date|~~~200308290940~~~Cancellation

Date|~~~~~~Auto-rebook Date|~~~200308291030~~~Resched Date|~~~200308200820~~~Consult Date ^^^^^^^^^^^^^^F

PID^1^^""~~~USVHA&&L~NI|7172069~~~USVHA&&L~PI^^YORTY~OUTPATIENT^^19710604^^^^~~~~17042^^^^^^^^509

060471P

PV1^1^U^^^0311^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^500

PV2^^^^^^^^^^^^^^^^^^^^^^^^SHB

AIP^1^^1934~XXXXXXXX~YYYYYYY~R^Provider

AIL^1^^614~~~~~~~~YORTY'S CLINIC^329~MEDICAL PROCEDURE UNIT~DSS Clinic ID^~~DSS

Credit Stop

ZCL^1^1^

ZCL^2^2^""

ZCL^3^3^

ZCL^4^4^""

ZCL^5^5^""

ZCL^6^6^""

ZCL^7^7^""

ZCL^8^8^""

ZEN^1^^^^^^^^1

ZSP^1^Y^60

ZEL^1^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^1^20090912

ZMH^1^SL^^~19690502

ZMH^2^COMB^N~^

ZMH^3^GULF^N^

MSH^~|\&^SD-SITE-PAIT^500^SD-AITC-PAIT^200^^^SIU~S15^5001740236-3^D^2.4^^^AL^AL^USA

SCH^1^^^^^CP^3^RS^^^~~~20030829~~~Date Appt Created|~~~20030829~~~Desired

Date|~~~200309010815~~~Appt Date|~~~~~~Checkout Date|~~~200308290856~~~Cancellation

Date|~~~~~~Auto-rebook Date|~~~200309010815~~~Resched Date|~~~200308010710~~~Consult Date ^^^^^^^^^^^^^^F

PID^1^^""~~~USVHA&&L~NI|7172424~~~USVHA&&L~PI^^XXXXXXX~YYYYYY~XXXXX~III~MR^^19490416^^^^~~~~33354^^^^^^^^244990005

PV1^1^U^^0309^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^500

PV2^^^^^^^^^^^^^^^^^^^^^^^^NTF

AIL^1^^312~~~~~~~~XXXXX^102~ADMITTING/SCREENING~DSS Clinic ID^104~PULMONARY FUNCTION~DSS Credit Stop

ZCL^1^1^

ZCL^2^2^""

ZCL^3^3^

ZCL^4^4^""

ZCL^5^5^""

ZCL^6^6^""

ZCL^7^7^""

ZCL^8^8^""

ZEN^1^^^^^^^^1

ZSP^1^N^

ZEL^1^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^U^

ZMH^1^SL^^~19690502

ZMH^2^COMB^Y~VIETNAM

ZMH^3^GULF^N^

BTS^3

The following are examples of Application Acknowledgement Messages.

All appointments were accepted:

BHS^~|\&^SD-AITC-PAIT^200^SD-SITE-PAIT^500^20040408140930^^~P~ACK~2.4~AL~NE^AA^200404-5001738^5001738

MSA^AA^5001738^

BTS^1

Three appointments were rejected:

BHS^~|\&^SD-AITC-PAIT^200^SD-SITE-PAIT^500^20040408140937^^~P~ACK~2.4~AL~NE^AE^200404-5001740^5001740

MSA^AE^5001740

MSA^AE^5001740-1^250

MSA^AE^5001740-2^200

MSA^AE^5001740-3^200

BTS^3

1. Glossary

Table A-1 provides valuable terms and their definitions as a reference for this document.

Table A-1: Term References

|  |  |
| --- | --- |
| **Term** | **Definition** |
| Admission Type | See Table 5-25 |
| Agent Orange Exposure | See Table 5-28 |
| Appointment Date | The date the appointment was scheduled to be kept. |
| Appointment status | See Table 5-26 |
| Appointment Type | See Table 5-25 |
| Auto-rebook Date | Date of the auto-rebooked appointment |
| Auto-rebook Flag | See Table 5-24 |
| Cancellation Date | If the appointment was cancelled by the clinic or the patient, the date of cancellation. |
| Check out Date | Date of appointment checkout. If the date is populated it is considered to be a kept appointment. |
| Clinic IEN Number | Internal entry number of the Hospital Location where the appointment was scheduled. |
| Clinic Name | Name of Clinic from Hospital Location file 44 |
| Consult Request Date | Date of requested consult |
| Current SC percentage | Current service connected percentage |
| Current SC status | Current service connected status, Y/N |
| Date Appointment Created | The date the appointment was created |
| Date Of Birth | The date of birth of the patient |
| Desired Appointment Date | The appointment date requested. |
| DSS Credit Stop of Clinic | Credit stop code of the Hospital Location file |
| DSS Identifier of Clinic | Stop code of the Hospital Location file entry where the appointment was scheduled. |
| Enrollment Priority | See Table 5-30 |
| Environmental Contaminants | See Table 5-28 |
| Facility Number | Station Number, field #99 of the Institution file |
| Filler | Term used in HL7 standards, usually referring to the “filler” of an order or request, or a “filler” application |
| Head and/or Neck Cancer | See Table 5-28 |
| IE | Interface Engine. See Vitria. |
| Ionizing Radiation Exposure | See Table 5-28 |
| Last Name/First Name/Middle Name | The name of the patient. Stored as three distinct name components with a combined maximum length of 45 characters |
| M&IS | Messaging and Interface Support |
| Military Sexual Trauma | See Table 5-28 |
| New to Facility/Clinic Flag | NTF if the patient did not have a prior appointment at this facility in the past 24 months. SHB or OPN otherwise – see Table 5-21 |
| Next Available Request Flags | See Table 5-24 |
| PAIT | Patient Appointment Information Transmission |
| Patient’s DFN | The internal entry number of the patient in the VistA Patient file #2. |
| Provider | IEN and name of provider associated with the  Hospital Location |
| Reschedule Date | The date on which the appointment was rescheduled without auto-rebooking |
| Scheduling Event Reason | See SIU Event Mapping Table |
| Service Connection Condition Flag | See Table 5-28 |
| VIE | Vitria Interface Engine. See Vitria. |
| Vitria | An intermediate software and hardware system to receive data from VistA sites, upload to AITC and then to receive acknowledgements from AITC and download them to the VistA sites |