



RESOURCE AND PATIENT MANAGEMENT SYSTEM

Text Integrated Utilities

(TIU)

Patch 1007 Setup Guide

Version 1.0 Patch 1007
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Table of Contents

1.0	Introduction.....	1
2.0	Patches Requiring Action	2
2.1	Patch 165–Patient Record Flags	2
2.1.1	Running the Option from Programmer Prompt.....	3
2.2	Patch 159–New National Objects	4
2.3	Patch 174–Missing Text Report.....	5
2.4	Patch 185–Reassignment Report.....	6
2.5	Patch 163–Renaming Note Titles	7
2.5.1	Installation Instructions	7
2.6	Patch 177–Blank Note Cleanup	8
	Contact Information	10

Preface

This Installation Guide is designed to help users with the installation of TIU patch 1007. This patch is an aggregate patch of many Veterans Administration Text Integration Utility (TIU) patches. Some of them have post-init routines that must be run and/or other user questions that will come up in the course of installing this patch.

Some of the patches have new functionality that will be valuable to the site's clinical application coordinator or to the medical records staff.

Purpose

This manual provides information to enable the IRM staff installing this patch to complete the install and all the related activities. This patch also alerts IRM staff to the need to have laboratory personnel or a clinical application coordinator present when the patch is installed to finish the interactive requirements. This document will also explain the new functionality installed with this patch.

Scope

This manual provides the special installation instructions and new menu options for TIU v1.0 patch 1007.

Audience

Information in this manual is intended for system administrators, who are responsible for installing the work environment; the clinical coordinator; and medical records personnel, who will use the new reports.

1.0 Introduction

This manual provides the information necessary to enable a system administrator to perform the special installation instructions in TIU v1.0 p1007. This patch also includes new reports that are of use to the medical records department. These new reports are explained later in this document.

2.0 Patches Requiring Action

This file should be located where the installation process can find it when prompted. For example, the installation program asks:

1. At the “Select Installation Option” prompt, select **1 LOAD A DISTRIBUTION**, and then press **Enter**.
2. At **Enter a Host File**, type **C:\TEMP\tiu_0100.1007k**, and press **Enter**.

Important: This information must be entered so that the installation routine can find the .KID file and load it. At the end of the load, the system displays the Install Name. The installer should make a note of this name, as it will be asked when the install is done.

The patch list below shows patches that are included in TIU v1.0 p1007. These patches have new functionality or special requirements to be handled at the time of install.

Important: Read this document thoroughly before loading the patch, because the site manager will need to follow the special instructions when they occur during the installation of this patch.

2.1 Patch 165–Patient Record Flags

Option [TIU165 DDEFS & RULES, PRF] is exported with the patch. It must be run after the patch is installed. It is Option [TIU165 DDEFS & RULES, PRF], not the patch itself, that actually creates the new Document Definitions, User Class, and Business Rule required for Patient Record Flags.

The option should take less than one minute to run and will not disrupt users. It can be run at any time of day.

Important: Do not run this option until after usr_0100.1003k is installed.

Option [TIU165 DDEFS & RULES, PRF], which must be run AFTER THE PATCH IS INSTALLED creates 2 new Document Classes, and 5 new Titles. They are created under Class PROGRESS NOTES, with the following hierarchical structure:

PROGRESS NOTES	CL
PATIENT RECORD FLAG CAT I	DC
PATIENT RECORD FLAG CATEGORY I	TL

PATIENT RECORD FLAG CAT II	DC
PATIENT RECORD FLAG CATEGORY II-INFECTIONOUS DISEASE	TL
PATIENT RECORD FLAG CATEGORY II - RESEARCH STUDY	TL
PATIENT RECORD FLAG CATEGORY II - RISK, FALL	TL
PATIENT RECORD FLAG CATEGORY II - RISK, WANDERING	TL

The two Document Classes and the Category I Title are National Standard, and are created with status ACTIVE. Nation-wide use of Category I Patient Record Flags is mandatory, and the use of title PATIENT RECORD FLAG CATEGORY I to document the assignment of a Category I flag to a particular patient is also mandatory.

A new business rule created in this patch limits entry of Category I notes to members of a new User Class. (See patch USR*1*24 for more on the new User Class and Business Rule.) Thus, notes of title PATIENT RECORD FLAG CATEGORY I cannot be entered until that User Class is populated, even though the title status is ACTIVE. This is a safeguard, preventing inadvertent or premature entry of such notes. See DOCUMENTATION, in section IV, below, stating where to find documentation describing the use of the new Category I title.

Figure 2-1: List of patches

2.1.1 Running the Option from Programmer Prompt

```
>D ^XUP

Setting up programmer environment
Terminal Type set to: C-VT320

Select OPTION NAME: TIU165 DDEFS & RULES, PRF          Create DDEFS, Rules
for Patient Record Flags
Create DDEFS, Rules for Patient Record Flags

This option creates Document Definitions, a User Class, and
a Business Rule for Patient Record Flags.

DEVICE: HOME//    ANYWHERE
```

Figure 2-2: Running Option [TIU165 DDEFS & RULES, PRF]

After the installation of these note titles, they will appear and can be used in patient record flags.

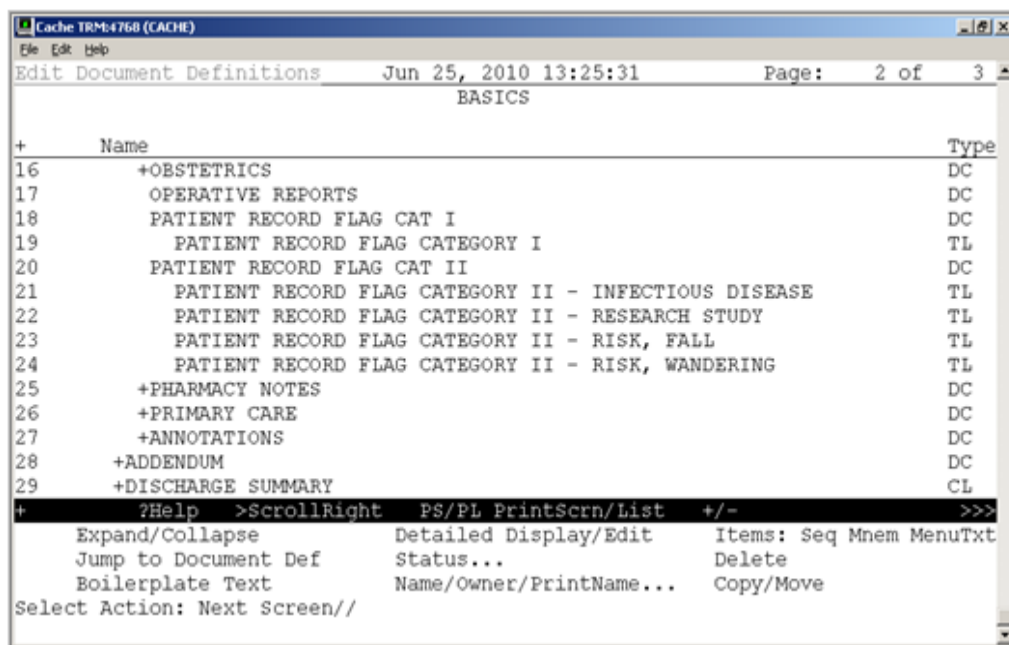


Figure 2-3: Document definitions with the new note titles installed.

2.2 Patch 159—New National Objects

Patch 159 installs several National Laboratory Objects. It also installs a new title, and prompts for which document class this TIU note title should be placed into. These items are in relation to a war-relation initiative in the Veterans Administration (VA), but can be used in any note.

The national title is WRIISC ASSESSMENT NOTE. Sites need to know where they will place this note before this patch is loaded. It is preferable for the Clinical Application Coordinator and/or a laboratory person to be present when this patch is loaded.

The list below consists of items prompted for during patch installation. Be sure that the laboratory object is mapped to the appropriate laboratory test at the facility. After installation, these objects can be used in any TIU note.

TIU Entries created during the installation of this patch in the TIU DOCUMENT DEFINITION file (#8925.1):

Name	Type
=====	=====
WRIISC ASSESSMENT NOTE	Title
VA-WRIISC ADDRESS	Object
VA-WRIISC ACTIVE PROBLEMS	Object
VA-WRIISC NEXT OF KIN	Object
VA-WRIISC VITALS	Object
VA-WRIISC CBC*	Object
VA-WRIISC GLUCOSE*	Object
VA-WRIISC HEMATOCRIT*	Object

VA-WRIISC HEMOGLOBIN*	Object
VA-WRIISC HEPATITIS C ANTIBODY*	Object
VA-WRIISC POTASSIUM*	Object
VA-WRIISC SODIUM*	Object
VA-WRIISC URINALYSIS*	Object

Figure 2-4: Items necessary for patch installation

2.3 Patch 174–Missing Text Report

This patch contains a routine used for the reporting of TIU documents that do not have any report text, are missing the 0 node of the text node, or both. The report results have the following categories:

1. Missing Text Only–The note has a 0 TEXT node, but no text (this can be acceptable depending on the status of the document, such as Undictated).
2. Missing 0 Node Only–The note has text, but no 0 TEXT node.
3. Missing 0 node & Text–The note does not have a 0 TEXT node or text.

A new menu has been added to BTIU MENU2–TIU Menu for Medical Records, as follows:

HIMS	Special HIMS TIU Reports ...
IPD	Individual Patient Document
LAD	List of Active Document Titles
MPD	Multiple Patient Documents
PDM	Print Documents Menu ...
SIG	Awaiting Signature Listing
SSD	Search for Selected Documents
STR	Statistical Reports ...
TMM	TIU Maintenance Menu ...
UPL	TIU Upload Menu ...
VUA	View a User's Alerts

Figure 2-5: The BTIU MENU2–TIU menu

The new menu is called BTIU SPECIAL REPORTS Special HIMS TIU Reports.

The following screens show sample output of missing text reports:

1	Missing Text Report
2	Missing Text Cleanup
3	Reassignment Document Report

Figure 2-6: Missing text report options

START WITH REFERENCE DATE:	Jan 01, 2003//	(JAN 01, 2003)
GO TO REFERENCE DATE:	Jun 25, 2010//	(JUN 25, 2010)
Would you like a delimited report? NO// ??		


```

Entering 'YES' will provide a delimited report for importing into another
application.

Entering 'NO' will display/print the standard report.

Would you like a delimited report? NO//

```

Figure 2-7: Sample output of missing text reports

```

DEVICE: HOME//  CONSOLE

Searching...

Date range searched:  Jan 01, 2003 - Jun 25, 2010
# of Records:
                Searched    273
      Missing Text Only      0
      Missing 0 Node Only     4
      Missing 0 node & Text    1
                ---
                Total        5

      Elapsed Time:  0 minute(s) 0 second(s)
      Current User:  HAGER,MARY G
      Current Date:  Jun 25, 2010@13:36:50

Doc #      Entry Date/Time      Title
Missing    Reference Date/Time   Patient

```

Figure 2-8: Sample output of missing text reports

2.4 Patch 185–Reassignment Report

TIU has an option that enables you to reassign a document. This patch provides a routine used for the reporting of those documents that have been reassigned based on the date range specified.

This report has been added to the same new HIMS Special Reports menu, as follows:

```

1      Missing Text Report
2      Missing Text Cleanup
3      Reassignment Document Report

```

Figure 2-9: The Reassignment Document Report option

The following is a sample Reassignment Report:

```

Select Special HIMS TIU Reports Option: 3  Reassignment Document Report
ENTER STARTING DATE: JAN 01, 2003//  (JAN 01, 2003)
ENTER ENDING DATE: Jun 25, 2010//  (JUN 25, 2010)
DEVICE: HOME//  CONSOLE

Searching...

```

```

Date range searched: Jan 01, 2003 - Jun 25, 2010
Number of records searched: 22
Number of records found: 2
Elapsed time: 0 minute(s) 0 second(s)
Current user: HAGER,MARY G
Current date: Jun 25, 2010@13:44:52

                                TIU REASSIGNMENT DOCUMENT REPORT

DOCUMENT NAME      INITIAL PATIENT      FINAL PATIENT      REASSIGNMENT
DATE/TIME
=====
DIETETICS CONSU    DEMO,MOTHER R    DEMO,MOTHER R
May 16, 2006@20:07:45
PC ACUTE CARE V    DEMO,SENIOR      DEMO,SENIOR
Jan 27, 2010@10:49:13

```

Figure 2-10: Sample Reassignment Report

2.5 Patch 163–Renaming Note Titles

This patch addresses the issue of old title names being listed along with the edited title names in TIU and CPRS. Previously, when a TIU Document Title name was edited, the original, unedited name would still appear in TITLE lists. After installing this patch, only the new name will appear in TITLE lists.

This patch also includes a postinstall routine TIUPS163 that adds a new index to the TIU DOCUMENTS file (8925). The new Index is “VS,” and is a new style cross reference for the Secondary Visit Field 1207. This routine is automatically included by the Kernel Installation and Distribution System (KIDS) build utility in order to be executed as the postinstall routine.

The postinstall routine also reindexes the ACL cross-reference in File 8925.1.

2.5.1 Installation Instructions

Important: It is recommended that this patch be installed during the next Resource and Patient Management System (RPMS) downtime, if at all possible. If this is not possible, this patch should be queued to install at a nonpeak time to minimize disruption to users.

This patch will create an index on the TIU DOCUMENTS file (8925). This process can take a considerable amount of time to complete, depending on the size of the TIU DOCUMENTS file at your site. However, it does not lock the whole global and only affects one record at a time.

2.6 Patch 177–Blank Note Cleanup

This patch contains the cleanup utility for documents missing any document text and missing the “TEXT”,0 node. An update to the Missing Text Report option released with TIU*1.0*174 is also included.

Once the report to find blank notes has been run, there is a cleanup utility that can be run at the facility. This new option was also added to the HIM SPECIAL REPORTS menu.

1	Missing Text Report
2	Missing Text Cleanup
3	Reassignment Document Report

Figure 2-11: The Missing Text Cleanup option

The cleanup may be run using the new menu option, Missing Text Cleanup, or directly from the programmer prompt by typing **D EN^TIUPS177**.

An informational alert will be sent once the cleanup process has finished. The document cleanup criteria are as follows:

- Document may be of any type, including ADDENDUM with a STATUS of UNCOSIGNED/COMPLETED/AMENDED
- Document must fall within user-entered date range
- Document must *not* have the “TEXT”,0 node
- Document must *not* have any text
- Document must *not* have any addenda (“DAD” cross-reference)
- Document must *not* have any components (“ADI” cross-reference)

Any documents falling within the user-entered date range and meeting the above criteria will be RETRACTED with an audit trail.

1. At the “START WITH REFERENCE DATE: Jan 01, 2003” prompt, type the date you want to begin the search (the default is Jan 01, 2003).
2. At the “GO TO REFERENCE DATE: Sep 12, 2003” prompt, type the date you want to stop the search (the default is current date).
3. At the “Requested Start Time: NOW” prompt, type the date/time you want to begin the task cleanup. A task number will be displayed as shown:

Your task # is: 125738

Future dates are not allowed for either date entries.

Contact Information

If you have any questions or comments regarding this distribution, contact the OIT User Support (IHS) by:

Phone: (505) 248-4371 or (888) 830-7280

Fax: (505) 248-4363

Web: <http://www.ihs.gov/GeneralWeb/HelpCenter/Helpdesk/index.cfm>

Email: <mailto:support@ihs.gov>