



TeleReader Configuration

VistA Imaging
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Revision Table

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2.1	June 2013	Corrected file names on pp. 4 and 6. C. Huth
2.0	May 2013	Edited to correct Remedy ticket 375083 and notation format for field and file names. Changed title of manual from TeleOphthalmology TeleReader Configuration to TeleReader Configuration. C. Gilbert; C. Huth
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Contents

Introduction	1
Terms of Use	1
VistA Imaging Configuration for TeleReader	3
Configuring TeleReader at Acquisition Site	3
Defining the Unread Lists at the Acquisition Site	3
Configuring the DICOM HEALTHCARE PROVIDER SERVICE file for TeleRetinal Imaging.....	5
Configuring TeleReader at the Reading Site	6
Defining the Reading Site's List of Acquisition Sites	7
Defining the Diagnostic Readers.....	8
Configuring TeleReader at Acquisition Sites and Reading Sites.....	9
Configuring TeleReader Application Timeout	9
TeleReader Reports	11
Generating TeleReader Reports	11
Accessing the Reports Menu	12
TeleReader Status Report.....	12
TeleReader Reader Activity Report.....	13
TeleReader Reader Time Report	14
TeleReader Setup Report	14
Report Telereader Read/Unread List Problems Report	16
Repair Telereader Read/Unread List Problems Option	17

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Introduction

This document explains how to configure the TeleReader application.

This describes the configuration at both Acquisition Sites and Reading Sites and describes menu option reports that can be run to assist in the configuration.

This document is meant for site administrators to assist in configuring the TeleReader. This document does not contain information for users of the TeleReader.

Additional information about Telehealth can be found on the VHA Telehealth Services website at <http://vaww.telehealth.va.gov/index.asp>.

Terms of Use

FDA regulations require that each Imaging software distribution is documented and tracked by the VistA Imaging project.

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VistA Imaging Configuration for TeleReader

At present, the TeleReader application is approved for Diabetic Retinopathy Surveillance, although its design is generic and can be configured to handle many imaging consults. TeleReader can be used to facilitate reading of both local and remote consults (that is, Inter-facility Consults).

The TeleReader works in conjunction with the Consult Request Tracking package (GMRC) to enable a reader to obtain a list of imaging studies that are ready to be diagnosed. Configuration work is required at both the Acquisition Site and the Reading Site. First, at the Acquisition Site, the TELEREADER ACQUISITION SERVICE file (#2006.5841) is defined and the DICOM HEALTHCARE PROVIDER SERVICE file (#2006.5831) is updated for the consult. Second, at the Reading Site, lists of Acquisition Sites and Reader Privileges are established in the TELEREADER ACQUISITION SITE file (#2006.5842) and TELEREADER READER file (#2006.5843). These configuration steps enable the TeleReader application to use the Unread List to direct the reader to imaging studies that are awaiting diagnosis.

The Unread List (TELEREADER READ/UNREAD LIST file [#2006.5849]) is maintained at the Acquisition Site and is accessed by a local or a remote reader. Selecting a study off the Unread List automatically switches patient context for the Computerized Patient Record System (CPRS) and Clinical Viewer, making it quicker for the reader to find, diagnose, and result the study. After the images are diagnosed, the entry in this file contains information about the reading session, which can be displayed with the TeleReader application.

Note: When you have completed your configuration for the TeleReader you can run the [TeleReader Setup Report](#) to review your configuration and ensure everything is configured properly.

Configuring TeleReader at the Acquisition Site

Two steps are required to configure the TeleReader at the Acquisition Site. The primary step is to define the Acquisition Site's Unread List(s) by configuring the TELEREADER ACQUISITION SERVICE file (#2006.5841). It is also necessary to configure the DICOM HEALTHCARE PROVIDER SERVICE file (#2006.5831) for TeleRetinal Imaging. These two steps must be completed before images can be acquired or studies will not appear on TeleReader at the reading site.

Defining the Unread Lists at the Acquisition Site

Each Unread List that is defined at the Acquisition Site requires an entry in the TELEREADER ACQUISITION SERVICE file (#2006.5841). This file maps the locally

defined CPRS Consult Request Tracking “To Service” (and optionally the Procedure) to the nationally defined Specialty (such as Eye Care) and Procedure (such as Diabetic Retinopathy Surveillance) that are used by the Unread List.

Seven data elements must be specified for each Unread List:

- 1) **TELEREADER ACQUISITION SERVICE NAME** (“To Service”) —this is the locally defined Consult Request Tracking service that performs the request. This is a pointer to the **REQUEST SERVICES** file (#123.5). This is the consult to which the Imager attaches images. If reading for your studies is done locally, this will be a local consult. If reading for your studies is done remotely, this will be an Inter-Facility consult. The same To Service needs to be configured in the **DICOM HEALTHCARE PROVIDER SERVICE** file (#2006.5831), as described below.
- 2) **Procedure**—this is optional and is used only if the site wants to map a locally defined Consult Request Tracking procedure to the Unread List. This only works for local requests. It is not supported for Inter-facility Consults. This is a pointer to the **GMRC PROCEDURE** file (#123.3).
- 3) **Specialty Index**—this is a pointer to the nationally defined **IMAGE INDEX FOR SPECIALTY/SUBSPECIALTY** file (#2005.84), and is used in conjunction with the Procedure Index to provide a common lexicon for the Unread Lists. An example of a specialty index is Eye Care.
- 4) **Procedure Index**—this is a pointer to the nationally defined **IMAGE INDEX FOR PROCEDURE/EVENT** file (#2005.85), and is used in conjunction with the Specialty Index to provide a common lexicon for the Unread Lists. An example of a procedure index is Diabetic Retinopathy.
- 5) **Acquisition Site**—this is a pointer to the **INSTITUTION** file (#4). This should be your site being used for acquisition.
- 6) **Unread List Creation Trigger**— this specifies the activity that will place the study on the Unread List. There are three Unread List creation trigger events:
 - a. “I” — when a DICOM image is acquired. This is the recommended setting.
 - b. “O” — when the consult/procedure request is ordered.
 - c. “F” — when the consult/procedure request is forwarded.

Note: While procedures may be forwarded at local sites, procedures may not be forwarded to a remote site. Only consults may be forwarded to remote sites to become Inter-facility Consults.

- 7) TIU Note File – this is used to automatically create a TIU note for a set of images when the consult request is remotely completed via an Inter-facility Consult.

```

To add a new TeleReader acquisition service:

Example Fileman session:

VA FileMan 22.0

Select OPTION: ENTER OR EDIT FILE ENTRIES

INPUT TO WHAT FILE: TELEREADER ACQUISITION SERVICE// TELEREADER ACQUISITION
SERVICE
                (0 entries)
EDIT WHICH FIELD: ALL// ALL

Select TELEREADER ACQUISITION SERVICE NAME: OPH
1  OPHTHALMOLOGY
2  OPHTHALMOLOGY-PHOTOGRAPHY
3  OPH REMOTE READ Ophthalmology Remote Reading
4  OPH WASH Ophthalmology Service at Washington
CHOOSE 1-4: 4 Ophthalmology Service at Washington
Are you adding 'Ophthalmology Service at Washington' as
a new TELEREADER ACQUISITION SERVICE (the 1ST)? No// Y (Yes)
TELEREADER ACQUISITION SERVICE PROCEDURE:
PROCEDURE:
SPECIALTY INDEX: EYE CARE
PROCEDURE INDEX: DIABETIC RETINOPATHY
ACQUISITION SITE: 660
1  660 SALT LAKE CITY UT          660
2  660AA SALT LAKE DOM UT VAMC    660AA
CHOOSE 1-2: 1 SALT LAKE CITY UT  660
UNREAD LIST CREATION TRIGGER: I CREATE/UPDATE WITH EVERY ACQUIRED IMAGE
TIU NOTE FILE: OPH
1  OPHTHALMOLOGIST CONSULT NOTE   TITLE
2  OPHTHALMOLOGY TITLE
3  OPHTHALMOLOGY DOCUMENT CLASS
4  OPHTHALMOLOGY DIAGRAM TITLE
5  OPHTHALMOLOGY IMAGE CONSULT    TITLE
Press <RETURN> to see more, '^' to exit this list, OR
CHOOSE 1-5: 1 OPHTHALMOLOGIST CONSULT NOTE   TITLE

Repeat this process for each service you are using the TeleReader for.

```

Configuring the DICOM HEALTHCARE PROVIDER SERVICE file for TeleRetinal Imaging

Note: You might have already configured this file for TeleRetinal Imaging when you configured your acquisition camera. Verify below you have used the correct REQUESTED SERVICE. This service should be the same service you used as the TELEREADER ACQUISITION SERVICE NAME in the TELEREADER ACQUISITION SERVICE file.

This DICOM HEALTHCARE PROVIDER SERVICE file (#2006.5831) configures the DICOM Gateway to receive information for services to acquire images.

For the TeleRetinal process, two consults are used. The first is created by the Primary Care Physician and the second is created by the Imager. Only the second consult, created by the Imager, should be put into this file.

Three fields must be specified for each consult:

- 1) **DICOM HEALTHCARE PROVIDER SERVICE REQUESTED SERVICE**—this is the consult the imager will be creating and attaching images to. This should be the same consult you selected as the **TELEREADER ACQUISITION SERVICE** in the **TELEREADER ACQUISITION SERVICE** file.
- 2) **SERVICE GROUP**—this should be set to **EYE CARE** for Diabetic Retinopathy.
- 3) **SERVICE INSTITUTION**—this is the division doing the acquisition. This should be the same as the **ACQUISITION SITE** in the **TELEREADER ACQUISITION SERVICE** file.

```

To add a new entry in the DICOM HEALTHCARE PROVIDER SERVICE file:
Example Fileman session:
VA FileMan 22.0
Select OPTION: ENTER OR EDIT FILE ENTRIES
INPUT TO WHAT FILE: DICOM HEALTHCARE PROVIDER SERVICE// DICOM HEALTHCARE
PROVIDER SERVICE
                               (5 entries)
EDIT WHICH FIELD: ALL//

Select DICOM HEALTHCARE PROVIDER SERVICE REQUESTED SERVICE: OPH WASH
Ophthalmology Service at Washi
ngton
Are you adding 'Ophthalmology Service at Washington' as
a new DICOM HEALTHCARE PROVIDER SERVICE (the 6TH)? No// Y (Yes)
SERVICE GROUP: EYE CARE
SERVICE INSTITUTION: 660
   1 660 SALT LAKE CITY UT           660
   2 660AA SALT LAKE DOM UT VAMC    660AA
CHOOSE 1-2: 1 SALT LAKE CITY UT    660
Select CLINIC:

Repeat this process for each consult you are using to acquire images to

```

Configuring TeleReader at the Reading Site

Two steps are required to configure the TeleReader at the Reading Site. The first step is to populate the **TELEREADER ACQUISITION SITE** file (#2006.5842) to establish the Acquisition Sites for which the Reading Site will provide diagnostic services. The second step is to enter the diagnostic readers into the **TELEREADER READER** file (#2006.5843) and designate their clinical specialties and where they are authorized to provide diagnostic services. Each Acquisition Site must be specified at the Reading Site and each authorized user must be configured to read. This process must be completed even if the Acquisition Site and the Reading Site are the same.

Defining the Reading Site's List of Acquisition Sites

The TELEREADER ACQUISITION SITE file (#2006.5842) contains the list of the Acquisition Sites for each Reading Site. This list must also include the Reading Site itself if it is to perform image acquisition as well. This file must be configured before attempting to add users to read for an acquisition site. An entry must be made in this file for each acquisition site your site is reading for.

Four data elements must be specified in this list:

- 1) Acquisition Site—this is a pointer to the INSTITUTION file (#4). This is the site you would like to read for.
- 2) Primary Site—this is where the Acquisition Site's VistA Hospital Information System (HIS) is located. For most facilities, the Primary Site will be at the Acquisition Site. For a Community Based Outpatient Clinic (CBOC), a multidivisional, or a consolidated facility however, this may be a different site. This data element is a pointer to the INSTITUTION file (#4).
- 3) Status—a site may be either active or inactive. The status may be changed operationally to enable/disable reading for Acquisition Sites, for example, if a remote VistA HIS or WAN were temporarily down.
- 4) Lock Timeout—this value designates how long a user of the TeleReader application can lock a study for reading. If a reader locks a study, but is then called away for clinical duties, the study will be automatically unlocked when the timeout expires.

To add a new TeleReader acquisition Site at the reading site:

Example Fileman session:

```

VA FileMan 22.0

Select OPTION: ENTER OR EDIT FILE ENTRIES

INPUT TO WHAT FILE: TELEREADER ACQUISITION SITE// TELEREADER ACQUISITION SITE
                    (0 entries)
EDIT WHICH FIELD: ALL//

Select TELEREADER ACQUISITION SITE NAME: 660
  1 660 SALT LAKE CITY UT 660
  2 660AA SALT LAKE DOM UT VAMC 660AA
CHOOSE 1-2: 1 SALT LAKE CITY UT 660
Are you adding 'SALT LAKE CITY' as
a new TELEREADER ACQUISITION SITE (the 1ST)? No// Y (Yes)
PRIMARY SITE: 660
  1 660 SALT LAKE CITY UT 660
  2 660AA SALT LAKE DOM UT VAMC 660AA
CHOOSE 1-2: 1 SALT LAKE CITY UT 660
STATUS: 1 ACTIVE
LOCK TIMEOUT IN MINUTES: 300

```

Repeat this process for each acquisition site your site is reading for.

Defining the Diagnostic Readers

The TELEREADER READER file (#2006.5843) file contains the diagnostic reader information. All users of the TeleReader must be configured in this file. This file must be modified each time a new Acquisition Site is added, so the readers are configured for the new site.

Eight data elements must be defined:

- 1) Reader—this is a pointer to the NEW PERSON file (#200). The reader must have permission to result and complete CPRS Consult Request Tracking requests at the Reading Site.
- 2) Acquisition Site—this is a pointer to the INSTITUTION file (#4).
- 3) Acquisition Site Status—indicates whether an Acquisition Site for a reader is Active or Inactive.
- 4) Specialty Index—this is a pointer to the nationally defined IMAGE INDEX FOR SPECIALTY/SUBSPECIALTY file (#2005.84), and is used in conjunction with the Procedure Index to provide a common lexicon for the Unread Lists.
- 5) Specialty Index Status—indicates whether a Specialty Index for a reader is Active or Inactive.
- 6) Procedure Index—this is a pointer to the nationally defined IMAGE INDEX FOR PROCEDURE/EVENT file (#2005.85), and is used in conjunction with the Specialty Index to provide a common lexicon for the Unread Lists.
- 7) Procedure Index Status—indicates whether a Procedure Index for a reader is Active or Inactive.
- 8) User Preference—determines if the reader's Site/Specialty/Procedure is checked when the Site/Specialty/Procedure dialog is displayed. This value can be changed by the user from the TeleReader application.

9) To add a new TeleReader reader at the reading site:

```

Example Fileman session:
VA FileMan 22.0
Select OPTION: ENTER OR EDIT FILE ENTRIES
INPUT TO WHAT FILE: TELEREADER ACQUISITION SITE// TELEREADER READER
                    (0 entries)
EDIT WHICH FIELD: ALL//

Select TELEREADER READER: TESTER,IMAGING
  1 TESTER,IMAGING IT
  2 TESTER,IMAGING II ITII 012
CHOOSE 1-2: 1 TESTER,IMAGING IT
Are you adding 'TESTER,IMAGING' as a new TELEREADER READER (the 1ST)? No// Y
(Yes)
Select ACQUISITION SITE: 660 SALT LAKE CITY UT 660
STATUS: 1 ACTIVE
Select SPECIALTY INDEX: EYE CARE
STATUS: 1 ACTIVE
Select PROCEDURE INDEX: DIABETIC RETINOPATHY
STATUS: 1 ACTIVE
USER PREFERENCE: 1 ACTIVE
Select PROCEDURE INDEX:
Select SPECIALTY INDEX:
Select ACQUISITION SITE:

Repeat this process for each reader authorized to read at your site.

```

Configuring TeleReader at Acquisition Sites and Reading Sites

Acquisition sites may also do their own reading using the TeleReader application. In this situation, follow the above instructions for configuring the TeleReader at the Acquisition Site and the Reading site.

Configuring TeleReader Application Timeout

Note: After a specified amount of idle time in minutes, the TeleReader application will automatically close. This time value is site configurable.

```

To modify the TeleReader application timeout value:
Example Fileman session:
VA FileMan 22.0
Select OPTION: ENTER OR EDIT FILE ENTRIES
INPUT TO WHAT FILE: TELEREADER READER// IMAGING SITE PARAMETERS
                    (1 entry)
EDIT WHICH FIELD: ALL// TELEREADER TIMEOUT (MINUTES)
THEN EDIT FIELD:

Select IMAGING SITE PARAMETERS NAME: 1 SALT LAKE CITY
TELEREADER TIMEOUT (MINUTES): 180//

You may specify a new value for the TeleReader Timeout.

```

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TeleReader Reports

This section describes how to generate reports on TeleReader usage. The following reports are available:

- **TeleReader Status Report**—lists the status of each study from the TeleReader read/unread lists.
- **TeleReader Reader Activity Report**—lists the number of studies read by a reader in a specified date range.
- **TeleReader Reader Time Report**—lists the reading start time and reading stop time in minutes for each reader in a specified date range.
- **TeleReader Setup Report**—lists the configuration of the TeleReader and its associated files. This report is useful to verify the configuration for TeleReader and for debugging problems with the TeleReader configuration.
- **Report TeleReader Read/Unread List Problems**—reports problems in the TeleReader read/unread list for read or locked studies which were resulted (completed) or cancelled by CPRS.

The following option is also available in the list of reports on the TeleReader menu:

- **Repair TeleReader Read/Unread List Problems**—fixes problems in the TeleReader read/unread list that were found in the Report TeleReader Read/Unread List Problems option. This ensures the TeleReader is in sync with CPRS.

Note: The TeleReader Setup Report is only useful if your site does only image reading. The other reports only display information which is stored at the acquisition site.

Generating TeleReader Reports

The TeleReader reports menu is available to users who have access to the Imaging System Manager Menu (MAG SYS MENU).

Accessing the Reports Menu

- 1 Log into the VistA System and access the Imaging System Manager Menu.

```
Select OPTION NAME: MAG SYS MENU   Imaging System Manager Menu

IX  Image Index Conversion Menu ...
LS  Edit Network Location STATUS
TR  Telereader Menu ...
...
```

- 2 Enter Telereader Menu at the prompt. The main menu for the TeleReader reports will be displayed.

```
Select Imaging System Manager Menu Option: TR Telereader Menu

ST  TeleReader Status Report
RA  TeleReader Reader Activity Report
TI  TeleReader Reader Time Report
BB  TeleReader Setup Report
RP  Report Telereader Read/Unread List Problems
FP  Repair Telereader Read/Unread List Problems
```

TeleReader Status Report

The TeleReader Status Report prints the status of each study from the TeleReader read/unread lists.

- 1 From the Telereader Menu select the option [Telereader Status Report].

```
ST  TeleReader Status Report
RA  TeleReader Reader Activity Report
TI  TeleReader Reader Time Report
BB  TeleReader Setup Report
RP  Report Telereader Read/Unread List Problems
FP  Repair Telereader Read/Unread List Problems

Select Telereader Menu Option: ST TeleReader Status Report
GO TO STATUS: U// Unread
DEVICE: TELNET Right Margin: 80//
TELEREADER READ/UNREAD LIST STATISTICS   NOV 3,2006 07:53 PAGE 1
STATUS
-----
      STATUS: Cancelled
SUBCOUNT 1
      STATUS: Deleted
SUBCOUNT 3
      STATUS: Locked
SUBCOUNT 2
      STATUS: Read
SUBCOUNT 10
      STATUS: Unread
SUBCOUNT 9
COUNT 25
```


TeleReader Reader Activity Report

The TeleReader Reader Activity Report prints the number of studies read by a reader in a specified date range.

- 1 From the Telereader Menu select the option [Telereader Reader Activity Report].

```

ST  TeleReader Status Report
RA  TeleReader Reader Activity Report
TI  TeleReader Reader Time Report
BB  TeleReader Setup Report
RP  Report Telereader Read/Unread List Problems
FP  Repair Telereader Read/Unread List Problems

Select Telereader Menu Option: RA TeleReader Reader Activity Report
* Previous selection: FULL NAME OF READER from AAA,AAAA to ZZZZ,ZZZ
START WITH FULL NAME OF READER: AAA,AAAA//
GO TO FULL NAME OF READER: ZZZZ,ZZZ//
* Previous selection: STATUS equals R (Read)S
START WITH STATUS: R// C Cancelled
GO TO STATUS: R// W Waiting
* Previous selection: CONSULT REQUEST from Jan 1,1980 to Nov 3,2006@24:00
START WITH CONSULT REQUEST: Jan 1,1980// T-30 (OCT 04, 2006)
GO TO CONSULT REQUEST: Nov 3,2006// T (NOV 03, 2006)
DEVICE: TELNET Right Margin: 80//
READ STUDIES          NOV 3,2006 08:27 PAGE 1
  NUMBER
  OF
  IMAGES
-----
      FULL NAME OF READER: IMAGPROVIDERONETWOSIX,ONETWOSIX
SUBTOTAL      8
      FULL NAME OF READER: OPTOMETRY,CLINICIAN
SUBTOTAL      3
TOTAL         11

```

TeleReader Reader Time Report

The TeleReader Reader Time Report prints the reading start time and reading stop time in minutes for each reader in a specified date range.

- 1 From the Telereader Menu select the option [Telereader Reader Time Report].

```

ST  TeleReader Status Report
RA  TeleReader Reader Activity Report
TI  TeleReader Reader Time Report
BB  TeleReader Setup Report
RP  Report Telereader Read/Unread List Problems
FP  Repair Telereader Read/Unread List Problems

Select Telereader Menu Option: TI TeleReader Reader Time Report
* Previous selection: FULL NAME OF READER from AAA,AAAA to ZZZZ,ZZZ
START WITH FULL NAME OF READER: AAA,AAAA//
GO TO FULL NAME OF READER: ZZZZ,ZZZ//
* Previous selection: STATUS from C (Cancelled) to w (Waiting)
START WITH STATUS: C// Cancelled
GO TO STATUS: w// waiting
* Previous selection: CONSULT REQUEST from Oct 4,2006 to Nov 3,2006@24:00
START WITH CONSULT REQUEST: Oct 4,2006// T-30 (OCT 04, 2006)
GO TO CONSULT REQUEST: Nov 3,2006// T (NOV 03, 2006)
DEVICE: TELNET Right Margin: 80//
READING TIME REPORT                NOV 3,2006 08:29 PAGE 1

```

READING START	READING STOP	TIME/MIN

FULL NAME OF READER: IMAGPROVIDERONETWOSIX,ONETWOSIX		
OCT 31,2006 13:50	OCT 31,2006 13:52	2
OCT 31,2006 13:56	OCT 31,2006 13:57	1
OCT 31,2006 15:06	OCT 31,2006 15:08	2
	OCT 31,2006 15:42	942
NOV 2,2006 10:22	NOV 2,2006 10:49	27
	NOV 2,2006 14:04	844
	NOV 2,2006 14:34	874
	NOV 2,2006 16:06	966
FULL NAME OF READER: OPTOMETRY, CLINICIAN		
NOV 2,2006 10:50	NOV 2,2006 10:51	1
NOV 2,2006 10:01	NOV 2,2006 10:53	52
NOV 2,2006 12:20	NOV 2,2006 12:22	2

TeleReader Setup Report

The TeleReader Setup Report prints the configuration of the TeleReader and its associated files. This report is useful to verify the configuration for TeleReader and for debugging problems with the TeleReader configuration.

Note: If your site only does image acquisition, then only the entries from the DICOM HEALTHCARE PROVIDER SERVICE file (#2006.5831) and the TELEREADER ACQUISITION SERVICE file (#2006.5841) will be populated. If your site only does image reading, then only the entries from the TELEREADER ACQUISITION SITE file (#2006.5842) and the TELEREADER READER file (#2006.5843) will be populated. If your site does reading and acquisition, then all four of these files will be populated.

1 From the Telereader Menu select the option [Telereader Setup Report].

```

ST  TeleReader Status Report
RA  TeleReader Reader Activity Report
TI  TeleReader Reader Time Report
BB  TeleReader Setup Report
RP  Report Telereader Read/Unread List Problems
FP  Repair Telereader Read/Unread List Problems

Select Telereader Menu Option: BB TeleReader Setup Report
DEVICE: HOME// TELNET Right Margin: 80//

*****
***
(file 2006.5831)          ***          *** DICOM HEALTHCARE PROVIDER SERVICE
*****

To Service: CARDIOLOGY
Worklist: CARDIO (CARDIOLOGY) acquired at SALT LAKE CITY
Clinics: CARDIOLOGY

To Service: GASTROENTEROLOGY
Worklist: GI (GASTROENTEROLOGY) acquired at SALT LAKE CITY
Clinics: GI CLINIC

To Service: OPHTHALMOLOGY
Worklist: OPHTH (OPHTHALMOLOGY) acquired at COLUMBIA, MO
Clinics: OPHTHALMOLOGY-BELKIN

To Service: DIABETIC TELERETINAL IMAGING-WASHINGTON
Worklist: EYE (EYE CARE) acquired at SALT LAKE CITY
Remote IFC: WASHINGTON, DC

*****
***
*** TELEREADER ACQUISITION SERVICE (file 2006.5841)          ***
*****

To Service: DIABETIC TELERETINAL IMAGING-WASHINGTON          *** DICOM MWL
Remote IFC: WASHINGTON, DC
Unread List: EYE CARE -- DIABETIC RETINOPATHY SURVEILLANCE
Trigger: Create/update with every acquired image
Note for IFC: OPHTHALMOLOGIST CONSULT NOTE

To Service: OPHTHALMOLOGY          *** DICOM MWL
Unread List: EYE CARE -- DIABETIC RETINOPATHY SURVEILLANCE
Trigger: Create/update with every acquired image
Note for IFC: OPHTHALMOLOGIST CONSULT NOTE

*****
***
*** TELEREADER ACQUISITION SITE (file 2006.5842)          ***
*****

Acquisition: SALT LAKE CITY          Active Lock Time: 300 min.
Primary Site: SALT LAKE CITY

*****
***
*** TELEREADER READER (file 2006.5843)          ***
*****

TeleReader: OPTOMETRY,CLINICIAN

Acquisition: SALT LAKE CITY          Active
Unread List: EYE CARE          Active
DIABETIC RETINOPATHY SURVEILLANCE Active          User: Active

```

```

-----
TeleReader: IMAGPROVIDERONETWOSIX,ONETWOSIX
Acquisition: SALT LAKE CITY           Active
Unread List: EYE CARE                 Active
              DIABETIC RETINOPATHY SURVEILLANCE Active   User: Active
-----
TeleReader: TESTER,IMAGING II
Acquisition: SALT LAKE CITY           Active
Unread List: EYE CARE                 Active
              DIABETIC RETINOPATHY SURVEILLANCE Active   User: Active
-----
TeleReader: TESTER,USER PREFERENCE
Acquisition: SALT LAKE CITY           Active
Unread List: EYE CARE                 Active
              DIABETIC RETINOPATHY SURVEILLANCE Active   User: Active
*****
    
```

Report Telereader Read/Unread List Problems Report

The Report Telereader Read/Unread List Problems Report lists problems in the TeleReader read/unread list for read or locked studies which were resulted (completed) or cancelled by CPRS.

- 1 From the Telereader Menu select the option [Report Telereader Read/Unread List Problems].

```

ST  TeleReader Status Report
RA  TeleReader Reader Activity Report
TI  TeleReader Reader Time Report
BB  TeleReader Setup Report
RP  Report Telereader Read/Unread List Problems
FP  Repair Telereader Read/Unread List Problems

Select Telereader Menu option: RP Report Telereader Read/Unread List Problems
*****
***
*** Check for completed studies that have LOCKED status          ***
*****

Acquisition Site: SALT LAKE CITY
Specialty: EYE CARE
Procedure: DIABETIC RETINOPATHY SURVEILLANCE
          Consult # 171 has the status of COMPLETE in CPRS
          Problem: Number of consults that have COMPLETE status in CPRS: 1

*****
***
*** Now check for completed studies that have UNREAD status      ***
*****

Acquisition Site: SALT LAKE CITY
Specialty: EYE CARE
Procedure: DIABETIC RETINOPATHY SURVEILLANCE
    
```

```

Consult # 169 has the status of COMPLETE in CPRS
Consult # 170 has the status of COMPLETE in CPRS
Problem: Number of consults that have COMPLETE status in CPRS: 2

```

Repair Telereader Read/Unread List Problems Option

The Repair Telereader Read/Unread List Problems option fixes problems in the TeleReader read/unread list that were found in the Report Telereader Read/Unread List Problems Report. This function ensures the TeleReader is in sync with CPRS.

- 1 From the Telereader Menu select the option [Repair Telereader Read/Unread List Problems].

```

ST  TeleReader Status Report
RA  TeleReader Reader Activity Report
TI  TeleReader Reader Time Report
BB  TeleReader Setup Report
RP  Report Telereader Read/Unread List Problems
FP  Repair Telereader Read/Unread List Problems

Select Telereader Menu Option: FP Repair Telereader Read/Unread List Problems

*****
***
*** Check for completed studies that have LOCKED status and correct them ***
*****

Acquisition Site: SALT LAKE CITY
Specialty: EYE CARE
Procedure: DIABETIC RETINOPATHY SURVEILLANCE
Fix: Consult # 171 which has the status of COMPLETE in CPRS
Repaired: Number of consults that have COMPLETE status in CPRS: 1

*****
***
*** Now check for completed studies that have UNREAD status and correct them ***
*****

Acquisition Site: SALT LAKE CITY
Specialty: EYE CARE
Procedure: DIABETIC RETINOPATHY SURVEILLANCE
Fix: Consult # 169 which has the status of COMPLETE in CPRS
Fix: Consult # 170 which has the status of COMPLETE in CPRS
Repaired: Number of consults that have COMPLETE status in CPRS: 2

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