



TeleOphthalmology TeleReader TeleReader Configuration

VistA Imaging
MAG*3.0*46
March 2007

The new GUI-based TeleReader Configurator application was released in October 2010 as a part of MAG*3.0*114 (VistA Imaging Patch 114). This new tool is documented in the **TeleReader Configurator User Guide**, also released with MAG*3.0*114.

While the instructions in this manual (**TeleReader Configuration**) are still valid, it is recommended that the process described in **TeleReader Configurator User Guide** be used to configure TeleReader.

The new **TeleReader Configurator User Guide** is available at the VA VDL, and on the Imaging FTP server.



Patch 46 TeleReader Configuration
March 2007

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Introduction

This document explains how to configure the TeleReader application.

This describes the configuration at both the acquisition and reading sites and describes menu option reports which 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 the Teleretinal Imaging project can be found on the Office of Care Coordination website. <http://vaww.va.gov/occ/Teleretinal/Teleretinal.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 the present, the TeleReader application is approved for Diabetic Retinopathy Surveillance, although the design of it is completely general and will handle any imaging consult. 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 user 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 Unread List configuration file (#2006.5841) is defined and the DICOM Healthcare Provider Service file (#2006.5831) is updated for the consult. Second, at the Reading Site, a list of the Acquisition Sites (file #2006.5842) and reader privileges (file #2006.5843) are established. 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 UNREAD LIST file (#2006.5849)) is maintained on 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 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 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 (like Eye Care) and Procedure (like

Diabetic Retinopathy Surveillance) that are used by the Unread List. Seven data elements will need to 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 the Imager will use to attach images to. If reading for your studies is done locally then this will be a local consult. If reading for your studies is done remotely then this will be an Inter-Facility consult. (The same To Service needs to be configured in the DICOM HEALTHCARE PROVIDER SERVICE file (#2006.5831), see below.)
- 2) Procedure – this is optional and is used only if the site wants to map a locally-defined Consult Request Tracking procedures 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 LOCATION 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 possible 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 OPTHALMOLOGY
2 OPTHALMOLOGY-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 OPTHALMOLOGIST CONSULT NOTE TITLE
2 OPTHALMOLOGY TITLE
3 OPTHALMOLOGY DOCUMENT CLASS
4 OPTHALMOLOGY DIAGRAM TITLE
5 OPTHALMOLOGY IMAGE CONSULT TITLE
Press <RETURN> to see more, '^' to exit this list, OR
CHOOSE 1-5: 1 OPTHALMOLOGIST 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 have images acquired.

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. There are three fields that need to 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 DIVISION – 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 Washington

Are you adding 'Ophthalmology Service at Washington' as a new DICOM HEALTHCARE PROVIDER SERVICE (the 6TH)? No// **Y (Yes)**

SERVICE GROUP: **EYE CARE**

SERVICE DIVISION: **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 Reading Site

Two steps are required to configuration 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 where they are authorized to provide diagnostic services and their clinical specialties. 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 SITES 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 need to 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 HIS is located. For most facilities the Primary Site will be at the Acquisition Site. For a 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. For example, 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. Anytime a new acquisition site is added, this file will need to be modified so the readers are configured for the new site. There are several data elements that need to 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 – an Acquisition Site for a Reader may be either 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 – a Specialty Index for a Reader may be either 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 – a Procedure Index for a Reader may be either Active or Inactive.
- 8) User Preference – This determines if the selected Site/Specialty/Procedure is selected in the Specialties dialog when using the TeleReader application. This value can be changed by the user from the TeleReader application.

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 and Reading Site

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

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.

```


TeleReader Reports

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

- **TeleReader Status Report**—prints the status of each study from the TeleReader read/unread lists.
- **TeleReader Reader Activity Report**—prints the number of studies read by a reader in a specified date range.
- **TeleReader Reader Time Report**—prints the reading start time, reading stop time in minutes for each reader in a specified date range.
- **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.
- **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.
- **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 only does image reading. The other reports only display information which is stored at the acquisition site.

Generating the 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

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 ...
...
```

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.

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
-----
SUBCOUNT 1 STATUS: Cancel led
SUBCOUNT 3 STATUS: Deleted
SUBCOUNT 2 STATUS: Locked
SUBCOUNT 10 STATUS: Read
SUBCOUNT 9 STATUS: Unread
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.

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, reading stop time in minutes for each reader in a specified date range.

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
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 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 (2006.5831) and TELEREADER ACQUISITION SITE (2006.5841) files will be populated. If your site only does image reading then only the entries from the TELEREADER ACQUISITION SITE (2006.5842) and TELEREADER READER (2006.5843) files will be populated. If your site does reading and acquisition then all of these files should be populated.

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//

 *** DICOM HEALTHCARE PROVIDER SERVICE (file 2006.5831)

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

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 DIABETIC RETINOPATHY SURVEILLANCE	Active Active	User: Active

TeleReader:	IMAGPROVIDERONETWOSIX, ONETWOSIX		
Acquisition:	SALT LAKE CITY	Active	
Unread List:	EYE CARE DIABETIC RETINOPATHY SURVEILLANCE	Active Active	User: Active

TeleReader:	TESTER, IMAGING II		
Acquisition:	SALT LAKE CITY	Active	
Unread List:	EYE CARE DIABETIC RETINOPATHY SURVEILLANCE	Active Active	User: Active

TeleReader:	TESTER, USER PREFERENCE		
Acquisition:	SALT LAKE CITY	Active	
Unread List:	EYE CARE DIABETIC RETINOPATHY SURVEILLANCE	Active Active	User: Active

Report Telereader Read/Unread List Problems

The 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.

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

The 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.

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
    
```