



RESOURCE AND PATIENT MANAGEMENT SYSTEM

Radiology Package

(RA)

Configuration and User Guide

Version 5.0 Patch 1008 September 2020

Office of Information Technology Division of Information Technology

Table of Contents

1.0	Syster	m Set Up Overview	
2.0	Softwa	are	3
3.0	Menus	S	9
	3.1	Device Specification for Imaging Locations	
4.0	Orderi	ing Providers for Radiology	
5.0		ity Keys	
6.0		an Access	
7.0		logy Supervisor's Menu	
	7.1	Radiology Package Users	
	7.1.1	Electronic Signature Code Edit	
	7.2	System Definition	
	7.2.1	Camera/Equipment/Room	
	7.2.2		
	7.2.3		
	7.3	Maintenance Files Print Menu	
	7.3.1	Print Procedure List Using VA FileMan	
	7.4	Utility File Definitions	
	7.4.1	Complication Type Entry/Edit	31
	7.4.2 7.4.3	5	
	7.4.3		
	7.4.5		
	7.4.6	,	
	7.4.7		
	7.4.8		
	7.4.9	Reason Edit	55
8.0	Buildi	ng Radiology Quick Orders and Menus	57
	8.1	Quick Orders	
	8.2	Creating an EHR Order Menu ↓for Radiology	62
9.0	Radiol	logy Workflow	72
10.0	Radiol	logy/Nuclear Med Order Entry Menu	75
	10.1	Requesting an Exam in RPMS	75
	10.2	Requesting an Exam in EHR	
	10.3	Cancel a Request	
	10.4	Detailed Request Display	
	10.5	Print Selected Requests by Patient	
	10.6	Print Rad/Nuc Med Requests by Date	85

11.0	Exam E	ntry/Edit Menu	88
	11.1 F	Register Patient for Exams	88
		Edit Exam by Patient	
		Case No. Exam Edit	
	11.4 (Cancel an Exam	93
	11.5	Switch Locations	95
	11.6 E	Exam Status Display	95
12.0	Films Re	eporting Menu	97
	12.1 F	Report Entry/Edit	97
		On-Line Verifying of Reports	
		Outside Report Entry/Edit	
	12.4	Verify Report Only	102
	12.5	Select Report to Print by Patient	102
	12.6 I	Display a Rad/Nuc Med Report	103
13.0	Radiolo	gy and PCC	105
14.0	Outside	Films Registry Menu	107
		Add Films to Registry	
		Outside Films Profile	
		Delinquent Outside Film Report for Outpatients	
15.0	Patient I	Profile Menu	109
	15.1 F	Profile of Rad/Nuc Med Exams	109
		Display Patient Demographics	
16.0	Manage	ment Reports Menu	112
	16.1	Daily Management Reports	112
		Abnormal Exam Report	
		Complication Report	
	16.1.3		
	16.1.4	Delinquent Status Report	114
		Examination Statistics	
	16.1.6	Incomplete Exam Report	117
		Unverified Reports	
		Functional Area Workload Reports	
		Clinic Report	
		Ward Report	
		Personnel Workload Reports	
		Physician Report	
		Technologist Report	
		Special Reports	
		Detailed Procedure Report	
		Procedure/CPT Statistics Report	
		Film Usage Report	
	10.4.4	Status Time Report	131

	16.5	Timeliness Reports	132
17.0	Supervi	sor Menu	135
	17.1	Delete a Report	135
		Exam Deletion	
		Override a Single Exam's Status to Complete	
		Restore a Deleted Report	
		Unverify a Report for Amendment	
18.0	Passing	Mammograms to Women's Health	137
19.0	Interfac	ing	140
20.0	Septem	ber 2020 RA_5.0_1008 Release Addendum	144
	20.1	Introduction	144
		Modifications	
		New Security Keys: RAZRIS	
		New Radiology Interpreting Site Option	
	20.2.3	er i e i	
	20.2.4		
		Impression with CCDA/TOC and PHR	149
	20.2.5	Normal and Abnormal Recent Test Results and Imaging Display	
		CCDA/TOC and PHR	153
Appe	ndix A	Rules of Behavior	154
	A.1	All RPMS Users	154
	A.1.1	Access	154
	A.1.2	Information Accessibility	155
	A.1.3	Accountability	155
	A.1.4	Confidentiality	156
	A.1.5	Integrity	156
	A.1.6	System Logon	157
	A.1.7	Passwords	157
	A.1.8	Backups	158
	A.1.9	Reporting	
	A.1.10	Session Timeouts	158
		Hardware	
		Awareness	
		Remote Access	
		RPMS Developers	
		Privileged Users	
Glos	sary		163
Acro	nym List		165
0	act Inforn	nation	166

Revision History

Version	Date	Author	Section	Page Number	Summary of Change
1.0	January 2004				Version 5.0 Release
2.0	September 2020	Leslie White	20.0	144–153	RA v5.0 P1008 (CHIT Phase 2) Release Addendum

Preface

The purpose of this guide is to:

- Provide guidance for base set up and configuration of the Indian Health Service (IHS) Resource and Patient Management System (RPMS) Radiology package.
- Provide direction on how to set up menus of Radiology procedures to be ordered in the IHS Electronic Health Record (EHR).
- Provide general instruction on how to use the Radiology package for recording exams and reporting procedures.
- Provide a general overview of interface configuration of modality worklists, PACS systems, and reporting interfaces.
- Provide an overview of the linkage between the Radiology and Women's Health package.

1.0 System Set Up Overview

Before the RPMS Radiology/Nuclear Medicine Package may be used, significant set up and configuration must be performed for both the package itself as well as for users of the system. An overview of those system set up requirements is provided in this section. The individual performing the set up configuration must have a working knowledge of Radiology as well as VA FileMan access. In addition, they should read this section before beginning as set up and configuration should be performed in the order specified in this section.

Listed below are the general areas of set up required for the RPMS Radiology package. The complexity of set up varies from site to site. But this outline should be considered to include the minimum areas to be addressed for Day One.

Radiology Requirements

Maintenance Files print

Users

- FileMan Access Code RrM
- Security Keys RA OVERALL (maybe RA VERIFY, RA ALLOC, and RA MGR)
- Rad/Nuc Med Classification Clerk, Technologist, Staff
- Electronic Signature Signature Block Title
- Edit User Characteristics Screen Editor

Providers - Provider Key and active RPMS access and verify code

System Definition

- Camera/Equip/Rm Entry/Edit Equipment or Rooms used for Rad/Nuc Med
- Location Parameter Set- up General Radiology, CT, US, MRI, etc.
- Division Parameter Set-up Parameters used at your facility

Menus - add RA SITEMENAGER to RA OVERALL

- Define Default Devices for Radiology Locations Where requisitions should print
- Confirm Rad/Nuc Med Version 5.0 through patch 1004 has been installed.

Radiology Requirements

Utility Files Maintenance

- Complication Type Entry/Edit Table to include Contrast reaction or other complication
- Diagnostic Code Enter/Edit Table to include coded interpretations including BIRAD codes
- Examination Status Entry/Edit Required data items required to move exam from waiting to complete
- Film Type Entry/Edit Film Sizes and types
- Label/Header/Footer Formatter Tool to customize Radiology Report Header
- Procedure Enter/Edit Option to enter or modify procedures performed by Rad/Nuc Med Dept.
- Procedure Message Enter/Edit Option to enter special messages seen by ordering provider.
- Procedure Modifier Entry Option to customize modifiers for procedures, e.g. Left, Right, Upright, etc.
- Common Procedure Enter/Edit Order entry menu in RPMS
- Reason Edit Table of reasons why exams are canceled or put on hold.

EHR

- EHR Quick Orders
- EHR Menus

Imaging Reports Local on Reports Tab

2.0 Software

At the time of this manual review, the release status of RPMS Radiology is Version 5.0, through patch 1008. Release RA 1008 contains changes required to meet the 2015 Certified Health Edition for the Indian Health Service RPMS EHR. Please reference Section 20.0 for a full explanation and list of additions to the RPMS RAD/NUC MED Total System.

To confirm the software version that you have installed at your facility, use the Kernel Installation & Distribution System Utility Menu to determine the history of version and patch installation. Note that you should have versions 4.0, 4.5, and 5.0 of Radiology/Nuclear Medicine Versions installed. If you do not, please contact your Area support staff to obtain a supplemental file that contains IHS modifications to the VA software. You will also notice that while you see RA patches 1002 and 1001, you will not see 1003, 1004, and 1007 in the listings of patch installations. That is because these were compilations of VA patches, which are listed in Figure 2-1.

Note: RA 1007 (VA patches) and BRA 1007 were released in October 2017 and RA 1008 is to be released September 2020.

```
Core Applications ...
         Device Management ...
   FM
         VA FileMan ...
         Manage Mailman ...
         Menu Management ...
         Programmer Options ...
         Operations Management ...
         Spool Management ...
         Information Security Officer Menu ...
         Taskman Management ...
         User Management ...
   EHR RPMS-EHR Configuration Master Menu ...
         GIS Interface Menu ...
   GIS
   KIDS
         Kernel Installation & Distribution System ...
   TRNG
         Cimarron Medical Informatics Training Menu ...
          Application Utilities ...
          Capacity Management ...
Select Systems Manager Menu Option: programmer Options
   KIDS Kernel Installation & Distribution System ...
        Programmer mode
         Delete Unreferenced Options
         Error Processing ...
         Global Block Count
          List Global
          Routine Tools ...
Select Programmer Options Option: KIDS Kernel Installation & Distribution
System
```

```
Edits and Distribution ...
          Utilities ...
          Installation ...
          Patch Monitor Main Menu ...
Select Kernel Installation & Distribution System Option: UTILITies
          Build File Print
          Install File Print
          Convert Loaded Package for Redistribution
          Display Patches for a Package
          Purge Build or Install Files
          Rollup Patches into a Build
          Update Routine File
          Verify a Build
          Verify Package Integrity
elect Utilities Option: DISPlay Patches for a Package
Select PACKAGE NAME: RAD/NUC ??
Select PACKAGE NAME: RAD
       RADIATION SAFETY RS
     2 RADIOLOGY/NUCLEAR MEDICINE
                                         RA
CHOOSE 1-2:
CHOOSE 1-2: 2 RADIOLOGY/NUCLEAR MEDICINE
Select VERSION: 5.0// ?
Answer with VERSION
 Do you want the entire 66-Entry VERSION List? Y (Yes)
  Choose from:
   1 10-17-84
          11-06-84
   1.01
   1.02
   1.03
                11-14-84
               11-21-84
   1.05
              12-03-84
   1.07
              12-04-84
   1.08
              12-04-84
   1.09
   1.1
             12-05-84
             12-18-84
01-12-85
   1.11
  1.11 12-18-84

1.15 01-12-85

1.2 01-21-85

1.25 02-01-85

1.3 02-05-85

1.31 02-24-85

1.32 03-01-85

1.33 03-05-85

1.34 03-07-85
             03-05-85
03-07-85
03-11-85
   1.35
          03-26-85
03-26-85
04-08-85
   1.4
              03-26-85
   1.41
   1.5
   1.51
              04-12-85
           05-17-85
   2
   2.01
             05-31-85
   2.02
              06-12-85
   2.03
              06-24-85
   2.04
                07-03-85
```

```
2.05 07-08-85
      2.05 07-08-85

2.06 07-11-85

2.08 09-30-85

2.09 11-08-85

2.1 05-28-86

2.9 09-14-88

2.91 10-21-88

2.92 11-10-88

2.93 01-26-89

2.94 02-21-89

2.95 02-27-89

2.96 03-06-89

3 05-25-89

3.01 08-14-89
     3 05-25-89
3.01 08-14-89
3.71 02-22-91
3.72 03-07-91
3.73 03-14-91
3.75 04-03-91
3.76 05-01-91
3.77 05-20-91
3.78 05-31-91
3.81 07-17-91
3.82 07-31-91
3.83 08-14-91
3.84 08-28-91
3.85 10-11-91
3.86 11-13-91
3.87 11-20-91
3.88 12-17-91
3.89 02-03-92
4.5 12-12-95
3.70 06-28-90
3.80 07-02-91
4.0 11-20-97
5.0 04-01-04
Select VERSION: 5.0//
                                                        04-01-04
Select VERSION: 5.0//
Do you want to see the Descriptions? NO//
DEVICE: HOME// VIRTUAL TERMINAL
PACKAGE: RADIOLOGY/NUCLEAR MEDICINE Dec 23, 2013 7:37 am
                                                                                                                                                                          PAGE
PATCH # INSTALLED INSTALLED BY
VERSION: 5.0 JUL 08, 2004
                                                                                                                        DEMO, USER 1
                                        JUL 08, 2004
                                                                                               DEMO, USER 1
       7
       3
       11
       5
      14
13
       8
                           JUL 08, 2004
                                                                                                                    DEMO, USER 1
```

9 JUL 08, 2004 DEMO, USER 1 10 JUL 08, 2004 DEMO, USER 1 110 JUL 08, 2004 DEMO, USER 1 119 JUL 08, 2004 DEMO, USER 1 120 JUL 08, 2004 DEMO, USER 1 121 JUL 08, 2004 DEMO, USER 1 122 JUL 08, 2004 DEMO, USER 1 124 JUL 08, 2004 DEMO, USER 1 125 JUL 08, 2004 DEMO, USER 1 126 JUL 08, 2004 DEMO, USER 1 127 JUL 08, 2004 DEMO, USER 1 128 JUL 08, 2004 DEMO, USER 1 129 JUL 08, 2004 DEMO, USER 1 120 JUL 08, 2004 DEMO, USER 1 120 JUL 08, 2004 DEMO, USER 1 121 JUL 08, 2004 DEMO, USER 1 122 JUL 08, 2004 DEMO, USER 1 123 JUL 08, 2004 DEMO, USER 1 124 JUL 08, 2004 DEMO, USER 1 125 JUL 08, 2004 DEMO, USER 1 126 JUL 08, 2004 DEMO, USER 1 127 JUL 08, 2004 DEMO, USER 1 128 JUL 08, 2004 DEMO, USER 1 129 JUL 08, 2004 DEMO, USER 1 131 JUL 08, 2004 DEMO, USER 1 132 JUL 08, 2004 DEMO, USER 1 133 JUL 08, 2004 DEMO, USER 1 140 JUL 08, 2004 DEMO, USER 1 140 JUL 08, 2004 DEMO, USER 1 150 JUL 08, 2004 DEMO, USER 3 150 JUL 0			
10 JUL 08, 2004 DEMO, USER 1 19 JUL 08, 2004 DEMO, USER 1 10 JUL 08, 2004 DEMO, USER 1 17 JUL 08, 2004 DEMO, USER 1 18 JUL 08, 2004 DEMO, USER 1 24 JUL 08, 2004 DEMO, USER 1 25 JUL 08, 2004 DEMO, USER 1 26 JUL 08, 2004 DEMO, USER 1 27 JUL 08, 2004 DEMO, USER 1 28 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 21 JUL 08, 2004 DEMO, USER 1 22 JUL 08, 2004 DEMO, USER 1 23 JUL 08, 2004 DEMO, USER 1 24 JUL 08, 2004 DEMO, USER 1 25 JUL 08, 2004 DEMO, USER 1 26 JUL 08, 2004 DEMO, USER 1 27 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 32 JUL 08, 2004 DEMO, USER 1 33 JUL 08, 2004 DEMO, USER 1 34 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 38 JUL 08, 2004 DEMO, USER 1 39 JUL 08, 2004 DEMO, USER 1 30 JUL 08, 2004 DEMO, USER 1 30 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 32 JUL 08, 2004 DEMO, USER 1 34 JUL 08, 2004 DEMO, USER 1 35 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 38 JUL 08, 2004 DEMO, USER 1 39 JUL 08, 2004 DEMO, USER 1 40 JUL 08, 2004 DEMO, USER 1 41 JUL 08, 2004 DEMO, USER 1 42 JUL 08, 2004 DEMO, USER 1 44 JUL 08, 2004 DEMO, USER 1 45 JUL 08, 2004 DEMO, USER 1 46 AUG 12, 2013@18:51:35 DEMO, USER 3 46 AUG 12, 2013@18:51:35 DEMO, USER 3 47 JUL 08, 2004 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 49 AUG 12, 2013@18:51:35 DEMO, USER 3 40 AUG 12, 2013@18:51:35 DEMO, USER 3 41 AUG 12, 2013@18:51:35 DEMO, USER 3 42 AUG 12, 2013@18:51:35 DEMO, USER 3 44 AUG 12, 2013@18:51:35 DEMO, USER 3 45 AUG 12, 2013@18:51:35 DEMO, USER 3 46 AUG 12, 2013@18:51:35 DEMO, USER 3 47 AUG 12, 2013@18:51:35 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 49 AUG 12, 2013@18:51:35 DEMO, USER 3 40 AUG 12, 2013@18:51:35 DEMO, USER 3 41 AUG 12, 2013@18:51:35 DEMO, USER 3 41 AUG 12, 2013@18:51:36 DEMO, USER 3 42 AUG 12, 2013@18:51:39 DEMO, USER 3 44 AUG 12, 2013@18:51:39 DEMO, USER 3	9	JUL 08, 2004	DEMO, USER 1
10 JUL 08, 2004 DEMO, USER 1 19 JUL 08, 2004 DEMO, USER 1 10 JUL 08, 2004 DEMO, USER 1 17 JUL 08, 2004 DEMO, USER 1 18 JUL 08, 2004 DEMO, USER 1 24 JUL 08, 2004 DEMO, USER 1 25 JUL 08, 2004 DEMO, USER 1 26 JUL 08, 2004 DEMO, USER 1 27 JUL 08, 2004 DEMO, USER 1 28 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 21 JUL 08, 2004 DEMO, USER 1 22 JUL 08, 2004 DEMO, USER 1 23 JUL 08, 2004 DEMO, USER 1 24 JUL 08, 2004 DEMO, USER 1 25 JUL 08, 2004 DEMO, USER 1 26 JUL 08, 2004 DEMO, USER 1 27 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 32 JUL 08, 2004 DEMO, USER 1 33 JUL 08, 2004 DEMO, USER 1 34 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 38 JUL 08, 2004 DEMO, USER 1 39 JUL 08, 2004 DEMO, USER 1 30 JUL 08, 2004 DEMO, USER 1 30 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 32 JUL 08, 2004 DEMO, USER 1 34 JUL 08, 2004 DEMO, USER 1 35 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 38 JUL 08, 2004 DEMO, USER 1 39 JUL 08, 2004 DEMO, USER 1 40 JUL 08, 2004 DEMO, USER 1 41 JUL 08, 2004 DEMO, USER 1 42 JUL 08, 2004 DEMO, USER 1 44 JUL 08, 2004 DEMO, USER 1 45 JUL 08, 2004 DEMO, USER 1 46 AUG 12, 2013@18:51:35 DEMO, USER 3 46 AUG 12, 2013@18:51:35 DEMO, USER 3 47 JUL 08, 2004 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 49 AUG 12, 2013@18:51:35 DEMO, USER 3 40 AUG 12, 2013@18:51:35 DEMO, USER 3 41 AUG 12, 2013@18:51:35 DEMO, USER 3 42 AUG 12, 2013@18:51:35 DEMO, USER 3 44 AUG 12, 2013@18:51:35 DEMO, USER 3 45 AUG 12, 2013@18:51:35 DEMO, USER 3 46 AUG 12, 2013@18:51:35 DEMO, USER 3 47 AUG 12, 2013@18:51:35 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 49 AUG 12, 2013@18:51:35 DEMO, USER 3 40 AUG 12, 2013@18:51:35 DEMO, USER 3 41 AUG 12, 2013@18:51:35 DEMO, USER 3 41 AUG 12, 2013@18:51:36 DEMO, USER 3 42 AUG 12, 2013@18:51:39 DEMO, USER 3 44 AUG 12, 2013@18:51:39 DEMO, USER 3	16	JUL 08, 2004	DEMO,USER 1
15 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 17 JUL 08, 2004 DEMO, USER 1 17 JUL 08, 2004 DEMO, USER 1 18 JUL 08, 2004 DEMO, USER 1 18 JUL 08, 2004 DEMO, USER 1 18 JUL 08, 2004 DEMO, USER 1 19 JUL 08, 2004 DEMO, USER 1 21 JUL 08, 2004 DEMO, USER 1 22 JUL 08, 2004 DEMO, USER 1 23 JUL 08, 2004 DEMO, USER 1 24 JUL 08, 2004 DEMO, USER 1 25 JUL 08, 2004 DEMO, USER 1 26 JUL 08, 2004 DEMO, USER 1 27 JUL 08, 2004 DEMO, USER 1 28 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 21 JUL 08, 2004 DEMO, USER 1 22 JUL 08, 2004 DEMO, USER 1 23 JUL 08, 2004 DEMO, USER 1 24 JUL 08, 2004 DEMO, USER 1 25 JUL 08, 2004 DEMO, USER 1 26 JUL 08, 2004 DEMO, USER 1 27 JUL 08, 2004 DEMO, USER 1 28 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 21 JUL 08, 2004 DEMO, USER 1 22 JUL 08, 2004 DEMO, USER 1 23 JUL 08, 2004 DEMO, USER 1 24 JUL 08, 2004 DEMO, USER 1 25 JUL 08, 2004 DEMO, USER 1 26 JUL 08, 2004 DEMO, USER 1 27 JUL 08, 2004 DEMO, USER 1 28 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 2 20 JUL 08, 2004 DEMO, USER 3 20 JUL 20 JUL 18 15:135 DEMO, USER 3 20 JUL 20 JUL 18 15:135 DEMO, USER 3 20 JUL 20 JUL 18 15:135 DEMO, USER 3 20 JUL 20 JUL 18 15:1			·
19 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 24 JUL 08, 2004 DEMO, USER 1 24 JUL 08, 2004 DEMO, USER 1 25 JUL 08, 2004 DEMO, USER 1 26 JUL 08, 2004 DEMO, USER 1 27 JUL 08, 2004 DEMO, USER 1 28 JUL 08, 2004 DEMO, USER 1 28 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 21 JUL 08, 2004 DEMO, USER 1 22 JUL 08, 2004 DEMO, USER 1 23 JUL 08, 2004 DEMO, USER 1 24 JUL 08, 2004 DEMO, USER 1 25 JUL 08, 2004 DEMO, USER 1 26 JUL 08, 2004 DEMO, USER 1 27 JUL 08, 2004 DEMO, USER 1 28 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 35 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 38 JUL 08, 2004 DEMO, USER 1 39 JUL 08, 2004 DEMO, USER 1 30 JUL 08, 2004 DEMO, USER 1 30 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 32 JUL 08, 2004 DEMO, USER 1 33 JUL 08, 2004 DEMO, USER 1 34 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 38 JUL 08, 2004 DEMO, USER 1 39 JUL 08, 2004 DEMO, USER 1 40 JUL 08, 2004 DEMO, USER 1 41 JUL 08, 2004 DEMO, USER 1 42 JUL 08, 2004 DEMO, USER 1 43 JUL 08, 2004 DEMO, USER 1 44 JUL 08, 2004 DEMO, USER 1 45 JUL 08, 2004 DEMO, USER 1 46 DEMO, USER 1 47 JUL 08, 2004 DEMO, USER 1 48 AUG 12, 2013818:51:35 DEMO, USER 3 49 AUG 12, 2013818:51:35 DEMO, USER 3 40 AUG 12, 2013818:51:35 DEMO, USER 3 41 AUG 12, 2013818:51:35 DEMO, USER 3 42 AUG 12, 2013818:51:35 DEMO, USER 3 43 AUG 12, 2013818:51:35 DEMO, USER 3 44 AUG 12, 2013818:51:35 DEMO, USER 3 45 AUG 12, 2013818:51:35 DEMO, USER 3 46 AUG 12, 2013818:51:35 DEMO, USER 3 47 AUG 12, 2013818:51:35 DEMO, USER 3 48 AUG 12, 2013818:51:35 DEMO, USER 3 49 AUG 12, 2013818:51:35 DEMO, USER 3 40 AUG 12, 2013818:51:35 DEMO, USER 3 41 AUG 12, 2013818:51:35 DEMO, USER 3 41 AUG 12, 2013818:51:35 DEMO, USER 3 42 AUG 12, 2013818:51:35 DEMO, USER 3 44 AUG 12, 2013818:51:35 DEMO, USER 3 45 AUG 12, 2013818:51:35 DEMO, USER 3 46 AUG 12, 2013818:51:35 DEMO, USER 3 47 AUG 12, 2013818:51:35 DEMO, U			•
20			·
17 JUL 08, 2004 DEMO, USER 1 24 JUL 08, 2004 DEMO, USER 1 22 JUL 08, 2004 DEMO, USER 1 23 JUL 08, 2004 DEMO, USER 1 26 JUL 08, 2004 DEMO, USER 1 26 JUL 08, 2004 DEMO, USER 1 27 JUL 08, 2004 DEMO, USER 1 28 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 21 JUL 08, 2004 DEMO, USER 1 22 JUL 08, 2004 DEMO, USER 1 23 JUL 08, 2004 DEMO, USER 1 24 DEMO, USER 1 25 JUL 08, 2004 DEMO, USER 1 26 JUL 08, 2004 DEMO, USER 1 27 JUL 08, 2004 DEMO, USER 1 28 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 30 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 32 JUL 08, 2004 DEMO, USER 1 34 JUL 08, 2004 DEMO, USER 1 35 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 38 JUL 08, 2004 DEMO, USER 1 39 JUL 08, 2004 DEMO, USER 1 30 JUL 08, 2004 DEMO, USER 1 30 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 32 JUL 08, 2004 DEMO, USER 1 34 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 38 JUL 08, 2004 DEMO, USER 1 39 JUL 08, 2004 DEMO, USER 1 40 DEMO, USER 1 40 DEMO, USER 1 41 DEMO, USER 1 42 JUL 08, 2004 DEMO, USER 1 44 DEMO, USER 1 45 DEMO, USER 3 46 DEMO, USER 3 46 DEMO, USER 3 46 DEMO, USER 3 46 DEMO, USER 3 47 DEMO, USER 3 48 AUG 12, 2013818:51:35 DEMO, USER 3 49 AUG 12, 2013818:51:35 DEMO, USER 3 40 AUG 12, 2013818:51:35 DEMO, USER 3 40 AUG 12, 2013818:51:35 DEMO, USER 3 41 AUG 12, 2013818:51:35 DEMO, USER 3 45 AUG 12, 2013818:51:35 DEMO, USER 3 46 AUG 12, 2013818:51:35 DEMO, USER 3 47 AUG 12, 2013818:51:35 DEMO, USER 3 48 AUG 12, 2013818:51:35 DEMO, USER 3 49 AUG 12, 2013818:51:35 DEMO, USER 3 40 AUG 12, 2013818:51:35 DEMO, USER 3 41 AUG 12, 2013818:51:35 DEMO, USER 3 41 AUG 12, 2013818:51:35 DEMO, USER 3 42 AUG 12, 2013818:51:35 DEMO, USER 3 44 AUG 12, 2013818:51:35 DEMO, USER 3 45 AUG 12, 2013818:51:35 DEMO, USER 3 46 AUG 12, 2013818:51:36 DEMO, USER 3 47 AUG 12, 2013818:51:36 DEMO, USER 3 48 AUG 12, 2013818:51:36 DEMO, USER 3 49 AUG 12, 2013818:51:38 DEMO, USER 3 40 AUG 1	19	•	DEMO, USER 1
24 JUL 08, 2004 DEMO, USER 1 22 JUL 08, 2004 DEMO, USER 1 21 JUL 08, 2004 DEMO, USER 1 22 JUL 08, 2004 DEMO, USER 1 23 JUL 08, 2004 DEMO, USER 1 26 JUL 08, 2004 DEMO, USER 1 28 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 21 JUL 08, 2004 DEMO, USER 1 22 JUL 08, 2004 DEMO, USER 1 23 JUL 08, 2004 DEMO, USER 1 24 JUL 08, 2004 DEMO, USER 1 25 JUL 08, 2004 DEMO, USER 1 26 JUL 08, 2004 DEMO, USER 1 27 JUL 08, 2004 DEMO, USER 1 28 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 21 JUL 08, 2004 DEMO, USER 1 22 JUL 08, 2004 DEMO, USER 1 23 JUL 08, 2004 DEMO, USER 1 24 JUL 08, 2004 DEMO, USER 1 25 JUL 08, 2004 DEMO, USER 1 26 JUL 08, 2004 DEMO, USER 1 27 JUL 08, 2004 DEMO, USER 1 28 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 3 20 JUL 08, 2004	20	JUL 08, 2004	DEMO, USER 1
24 JUL 08, 2004 DEMO, USER 1 22 JUL 08, 2004 DEMO, USER 1 21 JUL 08, 2004 DEMO, USER 1 22 JUL 08, 2004 DEMO, USER 1 23 JUL 08, 2004 DEMO, USER 1 26 JUL 08, 2004 DEMO, USER 1 28 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 21 JUL 08, 2004 DEMO, USER 1 22 JUL 08, 2004 DEMO, USER 1 23 JUL 08, 2004 DEMO, USER 1 24 JUL 08, 2004 DEMO, USER 1 25 JUL 08, 2004 DEMO, USER 1 26 JUL 08, 2004 DEMO, USER 1 27 JUL 08, 2004 DEMO, USER 1 28 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 21 JUL 08, 2004 DEMO, USER 1 22 JUL 08, 2004 DEMO, USER 1 23 JUL 08, 2004 DEMO, USER 1 24 JUL 08, 2004 DEMO, USER 1 25 JUL 08, 2004 DEMO, USER 1 26 JUL 08, 2004 DEMO, USER 1 27 JUL 08, 2004 DEMO, USER 1 28 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 3 20 JUL 08, 2004	17	JUL 08, 2004	DEMO, USER 1
22 JUL 08, 2004 DEMO, USER 1 18 JUL 08, 2004 DEMO, USER 1 28 JUL 08, 2004 DEMO, USER 1 28 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 27 JUL 08, 2004 DEMO, USER 1 28 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 27 JUL 08, 2004 DEMO, USER 1 28 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 21 JUL 08, 2004 DEMO, USER 1 25 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 32 JUL 08, 2004 DEMO, USER 1 33 JUL 08, 2004 DEMO, USER 1 34 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 38 JUL 08, 2004 DEMO, USER 1 39 JUL 08, 2004 DEMO, USER 1 30 JUL 08, 2004 DEMO, USER 1 30 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 32 JUL 08, 2004 DEMO, USER 1 33 JUL 08, 2004 DEMO, USER 1 34 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 38 AUG 12, 2013818:51:35 DEMO, USER 3 38 AUG 12, 2013818:51:35 DEMO, USER 3 44 AUG 12, 2013818:51:35 DEMO, USER 3 46 AUG 12, 2013818:51:35 DEMO, USER 3 48 AUG 12, 2013818:51:35 DEMO, USER 3 48 AUG 12, 2013818:51:35 DEMO, USER 3 49 AUG 12, 2013818:51:35 DEMO, USER 3 40 AUG 12, 2013818:51:35 DEMO, USER 3 41 AUG 12, 2013818:51:35 DEMO, USER 3 42 AUG 12, 2013818:51:35 DEMO, USER 3 44 AUG 12, 2013818:51:35 DEMO, USER 3 45 AUG 12, 2013818:51:35 DEMO, USER 3 46 AUG 12, 2013818:51:35 DEMO, USER 3 47 AUG 12, 2013818:51:36 DEMO, USER 3 48 AUG 12, 2013818:51:35 DEMO, USER 3 49 AUG 12, 2013818:51:36 DEMO, USER 3 40 AUG 12, 2013818:51:36 DEMO, USER 3 41 AUG 12, 2013818:51:36 DEMO, USER 3 42 AUG 12, 2013818:51:36 DEMO, USER 3 44 AUG 12, 2013818:51:35 DEMO, USER 3 45 AUG 12, 2013818:51:35 DEMO, USER 3 46 AUG 12, 2013818:51:36 DEMO, USER 3 47 AUG 12, 2013818:51:36 DEMO, USER 3 48 AUG 12, 2013818:51:36 DEMO, USER 3 49 AUG 12, 2013818:51:36 DEMO, USER 3 40 AUG 12, 2013818:51:36 DEMO, USER 3 41 AUG 12, 2013818:51:38 DEMO, USER 3 42 AUG 12, 2013818:51:39 DEMO, USER 3 44 AUG 12, 2013818:51:39 DEMO, USER 3 45 AUG 12, 2013818:51:39 DEM			·
21 JUL 08, 2004 DEMO, USER 1 23 JUL 08, 2004 DEMO, USER 1 26 JUL 08, 2004 DEMO, USER 1 27 JUL 08, 2004 DEMO, USER 1 28 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 27 JUL 08, 2004 DEMO, USER 1 28 JUL 08, 2004 DEMO, USER 1 29 JUL 08, 2004 DEMO, USER 1 20 JUL 08, 2004 DEMO, USER 1 25 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 32 JUL 08, 2004 DEMO, USER 1 33 JUL 08, 2004 DEMO, USER 1 34 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 38 JUL 08, 2004 DEMO, USER 1 39 JUL 08, 2004 DEMO, USER 1 30 JUL 08, 2004 DEMO, USER 1 30 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 32 JUL 08, 2004 DEMO, USER 1 34 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 38 JUL 08, 2004 DEMO, USER 1 40 JUL 08, 2004 DEMO, USER 1 41 DOLD DEMO JUSER 1 42 JUL 08, 2004 DEMO, USER 1 44 JUL 08, 2004 DEMO, USER 1 45 DEMO, USER 1 46 AUG 12, 2013818:51:35 DEMO, USER 3 46 AUG 12, 2013818:51:35 DEMO, USER 3 46 AUG 12, 2013818:51:35 DEMO, USER 3 47 JUL 08, 201818:51:35 DEMO, USER 3 48 AUG 12, 2013818:51:35 DEMO, USER 3 48 AUG 12, 2013818:51:35 DEMO, USER 3 49 AUG 12, 2013818:51:35 DEMO, USER 3 40 JUL 08, 201818:51:35 DEMO, USER 3 41 AUG 12, 2013818:51:35 DEMO, USER 3 42 JUL 08, 201818:51:35 DEMO, USER 3 43 AUG 12, 2013818:51:35 DEMO, USER 3 44 AUG 12, 2013818:51:35 DEMO, USER 3 45 AUG 12, 2013818:51:35 DEMO, USER 3 46 AUG 12, 2013818:51:35 DEMO, USER 3 47 AUG 12, 2013818:51:36 DEMO, USER 3 48 AUG 12, 2013818:51:36 DEMO, USER 3 49 AUG 12, 2013818:51:36 DEMO, USER 3 40 AUG 12, 2013818:51:36 DEMO, USER 3 41 AUG 12, 2013818:51:36 DEMO, USER 3 42 AUG 12, 2013818:51:36 DEMO, USER 3 43 AUG 12, 2013818:51:36 DEMO, USER 3 44 AUG 12, 2013818:51:36 DEMO, USER 3 45 AUG 12, 2013818:51:36 DEMO, USER 3 46 AUG 12, 2013818:51:36 DEMO, USER 3 47 AUG 12, 2013818:51:38 DEMO, USER 3 48 AUG 12, 2013818:51:38 DEMO, USER 3 49 AUG 12, 2013818:51:39 DEMO, USER 3 49 AUG 12, 2013818:51:39 DEMO, USER 3 40 AUG 12, 2013818:51:39 DEMO, USER 3 40 AUG 12,			·
18		·	·
23 JUL 08, 2004 DEMO, USER 1 26 JUL 08, 2004 DEMO, USER 1 32 JUL 08, 2004 DEMO, USER 1 32 JUL 08, 2004 DEMO, USER 1 32 JUL 08, 2004 DEMO, USER 1 25 JUL 08, 2004 DEMO, USER 1 25 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 35 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 38 JUL 08, 2004 DEMO, USER 1 39 JUL 08, 2004 DEMO, USER 1 30 JUL 08, 2004 DEMO, USER 1 30 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 32 JUL 08, 2004 DEMO, USER 1 34 JUL 08, 2004 DEMO, USER 1 35 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 38 JUL 08, 2004 DEMO, USER 1 39 JUL 08, 2004 DEMO, USER 1 40 JUL 08, 2004 DEMO, USER 1 41 JUL 08, 2005 DEMO, USER 3 42 JUL 08, 2004 DEMO, USER 3 44 AUG 12, 2013818:51:35 DEMO, USER 3 44 AUG 12, 2013818:51:35 DEMO, USER 3 45 JUL 08, 201818:51:35 DEMO, USER 3 46 AUG 12, 2013818:51:35 DEMO, USER 3 46 AUG 12, 2013818:51:35 DEMO, USER 3 47 AUG 12, 2013818:51:35 DEMO, USER 3 48 AUG 12, 2013818:51:35 DEMO, USER 3 49 AUG 12, 2013818:51:35 DEMO, USER 3 40 AUG 12, 2013818:51:35 DEMO, USER 3 41 AUG 12, 2013818:51:35 DEMO, USER 3 42 DEMO, USER 3 43 AUG 12, 2013818:51:35 DEMO, USER 3 44 AUG 12, 2013818:51:35 DEMO, USER 3 45 AUG 12, 2013818:51:35 DEMO, USER 3 46 AUG 12, 2013818:51:35 DEMO, USER 3 47 AUG 12, 2013818:51:35 DEMO, USER 3 48 AUG 12, 2013818:51:35 DEMO, USER 3 49 AUG 12, 2013818:51:35 DEMO, USER 3 40 AUG 12, 2013818:51:36 DEMO, USER 3 41 AUG 12, 2013818:51:36 DEMO, USER 3 42 AUG 12, 2013818:51:36 DEMO, USER 3 43 AUG 12, 2013818:51:36 DEMO, USER 3 44 AUG 12, 2013818:51:36 DEMO, USER 3 45 AUG 12, 2013818:51:36 DEMO, USER 3 46 AUG 12, 2013818:51:36 DEMO, USER 3 47 AUG 12, 2013818:51:39 DEMO, USER 3 48 AUG 12, 2013818:51:39 DEMO, USER 3 49 AUG 12, 2013818:51:39 DEMO, USER 3 40 AUG 12, 2013818:51:39 DEMO, USER 3 41 AUG 12, 2013818:51:39 DEMO, USER 3 41 AUG 12, 2013818:51:3	21	•	DEMO, USER 1
26 JUL 08, 2004 DEMO, USER 1 32 JUL 08, 2004 DEMO, USER 1 32 JUL 08, 2004 DEMO, USER 1 32 JUL 08, 2004 DEMO, USER 1 27 JUL 08, 2004 DEMO, USER 1 25 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 35 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 38 JUL 08, 2004 DEMO, USER 1 39 JUL 08, 2004 DEMO, USER 1 30 JUL 08, 2004 DEMO, USER 1 30 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 32 JUL 08, 2004 DEMO, USER 1 34 JUL 08, 2004 DEMO, USER 1 35 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 38 JUL 08, 2004 DEMO, USER 1 39 JUL 08, 2004 DEMO, USER 1 40 JUL 08, 2004 DEMO, USER 1 40 JUL 08, 2004 DEMO, USER 1 41 JUL 08, 2004 DEMO, USER 1 42 JUL 08, 2004 DEMO, USER 1 44 JUL 08, 2004 DEMO, USER 3 45 DEMO, USER 3 46 AUG 12, 2013@18:51:35 DEMO, USER 3 46 AUG 12, 2013@18:51:35 DEMO, USER 3 47 JUL 08, 2013@18:51:35 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 49 AUG 12, 2013@18:51:35 DEMO, USER 3 40 JUL 08, 2013@18:51:35 DEMO, USER 3 41 AUG 12, 2013@18:51:35 DEMO, USER 3 42 JUL 08, 2013@18:51:35 DEMO, USER 3 43 AUG 12, 2013@18:51:35 DEMO, USER 3 44 AUG 12, 2013@18:51:35 DEMO, USER 3 45 AUG 12, 2013@18:51:35 DEMO, USER 3 46 AUG 12, 2013@18:51:35 DEMO, USER 3 47 AUG 12, 2013@18:51:36 DEMO, USER 3 48 AUG 12, 2013@18:51:36 DEMO, USER 3 49 AUG 12, 2013@18:51:36 DEMO, USER 3 40 AUG 12, 2013@18:51:36 DEMO, USER 3 41 AUG 12, 2013@18:51:36 DEMO, USER 3 42 AUG 12, 2013@18:51:38 DEMO, USER 3 43 AUG 12, 2013@18:51:38 DEMO, USER 3 44 AUG 12, 2013@18:51:38 DEMO, USER 3 45 AUG 12, 2013@18:51:38 DEMO, USER 3 46 AUG 12, 2013@18:51:38 DEMO, USER 3 47 AUG 12, 2013@18:51:39 DEMO, USER 3 48 AUG 12, 2013@18:51:39 DEMO, USER 3 49 AUG 12, 2013@18:51:39 DEMO, USER 3 49 AUG 12, 2013@18:51:39 DEMO, USER 3 49 AUG 12, 2013@18:51:39 DEMO, USER 3 40 AUG 12, 2013@18:51:39 DEMO, USER 3 41 AUG 12, 2013@18:51:39 DEMO, USER 3 41 AUG 12, 2013@18:51:39 DEMO, USER 3 42	18	JUL 08, 2004	DEMO, USER 1
28	23	JUL 08, 2004	DEMO, USER 1
28	26	JUL 08, 2004	DEMO,USER 1
322 JUL 08, 2004 DEMO, USER 1 27 JUL 08, 2004 DEMO, USER 1 27 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 35 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 38 JUL 08, 2004 DEMO, USER 1 39 JUL 08, 2004 DEMO, USER 1 30 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 32 JUL 08, 2004 DEMO, USER 1 33 JUL 08, 2004 DEMO, USER 1 34 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 38 AUG 12, 2013618:51:35 DEMO, USER 3 38 AUG 12, 2013618:51:35 DEMO, USER 3 44 AUG 12, 2013618:51:35 DEMO, USER 3 46 AUG 12, 2013618:51:35 DEMO, USER 3 46 AUG 12, 2013618:51:35 DEMO, USER 3 47 AUG 12, 2013618:51:35 DEMO, USER 3 48 AUG 12, 2013618:51:35 DEMO, USER 3 49 AUG 12, 2013618:51:35 DEMO, USER 3 40 AUG 12, 2013618:51:35 DEMO, USER 3 41 AUG 12, 2013618:51:35 DEMO, USER 3 42 AUG 12, 2013618:51:35 DEMO, USER 3 43 AUG 12, 2013618:51:35 DEMO, USER 3 44 AUG 12, 2013618:51:35 DEMO, USER 3 45 AUG 12, 2013618:51:35 DEMO, USER 3 46 AUG 12, 2013618:51:35 DEMO, USER 3 47 AUG 12, 2013618:51:36 DEMO, USER 3 48 AUG 12, 2013618:51:36 DEMO, USER 3 49 AUG 12, 2013618:51:36 DEMO, USER 3 40 AUG 12, 2013618:51:36 DEMO, USER 3 41 AUG 12, 2013618:51:36 DEMO, USER 3 42 AUG 12, 2013618:51:36 DEMO, USER 3 43 AUG 12, 2013618:51:36 DEMO, USER 3 44 AUG 12, 2013618:51:36 DEMO, USER 3 45 AUG 12, 2013618:51:36 DEMO, USER 3 46 AUG 12, 2013618:51:36 DEMO, USER 3 47 AUG 12, 2013618:51:38 DEMO, USER 3 48 AUG 12, 2013618:51:38 DEMO, USER 3 49 AUG 12, 2013618:51:38 DEMO, USER 3 49 AUG 12, 2013618:51:38 DEMO, USER 3 49 AUG 12, 2013618:51:39 DEMO, USER 3 40 AUG 12, 2013618:51:39 DEMO, USER 3 41 AUG 12, 2013618:51:39 DEMO, USER 3 41 AUG 12, 2013618:51:39 DEMO, USER 3 42 AUG 12, 2		TIII. 08 - 2004	·
299 JUL 08, 2004 DEMO, USER 1 25 JUL 08, 2004 DEMO, USER 1 25 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 35 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 38 JUL 08, 2004 DEMO, USER 1 39 JUL 08, 2004 DEMO, USER 1 30 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 32 JUL 08, 2004 DEMO, USER 1 33 JUL 08, 2004 DEMO, USER 1 34 JUL 08, 2004 DEMO, USER 1 35 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 38 JUL 08, 2004 DEMO, USER 3 39 JUL 08, 2005 DEMO, USER 3 30 JUL 08, 2011@16:28:18 DEMO, USER 3 44 AUG 12, 2013@18:51:35 DEMO, USER 3 46 AUG 12, 2013@18:51:35 DEMO, USER 3 47 JUL 08, 2013@18:51:35 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 49 AUG 12, 2013@18:51:35 DEMO, USER 3 40 AUG 12, 2013@18:51:35 DEMO, USER 3 41 AUG 12, 2013@18:51:35 DEMO, USER 3 45 AUG 12, 2013@18:51:35 DEMO, USER 3 45 AUG 12, 2013@18:51:35 DEMO, USER 3 46 AUG 12, 2013@18:51:35 DEMO, USER 3 47 AUG 12, 2013@18:51:35 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 49 AUG 12, 2013@18:51:36 DEMO, USER 3 40 AUG 12, 2013@18:51:36 DEMO, USER 3 41 AUG 12, 2013@18:51:36 DEMO, USER 3 41 AUG 12, 2013@18:51:36 DEMO, USER 3 41 AUG 12, 2013@18:51:36 DEMO, USER 3 42 AUG 12, 2013@18:51:36 DEMO, USER 3 43 AUG 12, 2013@18:51:36 DEMO, USER 3 44 AUG 12, 2013@18:51:36 DEMO, USER 3 45 AUG 12, 2013@18:51:36 DEMO, USER 3 46 AUG 12, 2013@18:51:36 DEMO, USER 3 47 AUG 12, 2013@18:51:36 DEMO, USER 3 48 AUG 12, 2013@18:51:38 DEMO, USER 3 49 AUG 12, 2013@18:51:39 DEMO, USER 3 40 AUG 12, 2013@18:51:39 DEMO, USER 3 41 AUG 12, 2013@18:51:39 DEMO, USER 3 41 AUG 12, 2013@18:51:39 DEMO, USER 3 41 AUG 12, 2013@18:51:39 DEMO, USE			·
27 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 31 JUL 08, 2004 DEMO, USER 1 35 JUL 08, 2004 DEMO, USER 1 40 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 38 JUL 08, 2004 DEMO, USER 1 42 JUL 08, 2004 DEMO, USER 1 43 JUL 08, 2004 DEMO, USER 1 44 JUL 08, 2004 DEMO, USER 1 45 JUL 08, 2004 DEMO, USER 1 46 JUL 08, 2005 DEMO, USER 3 47 JUL 08, 2016 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 49 AUG 12, 2013@18:51:35 DEMO, USER 3 40 AUG 12, 2013@18:51:35 DEMO, USER 3 40 AUG 12, 2013@18:51:35 DEMO, USER 3 41 AUG 12, 2013@18:51:35 DEMO, USER 3 42 AUG 12, 2013@18:51:35 DEMO, USER 3 43 AUG 12, 2013@18:51:35 DEMO, USER 3 44 AUG 12, 2013@18:51:35 DEMO, USER 3 45 AUG 12, 2013@18:51:35 DEMO, USER 3 46 AUG 12, 2013@18:51:35 DEMO, USER 3 47 AUG 12, 2013@18:51:35 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 49 AUG 12, 2013@18:51:36 DEMO, USER 3 40 AUG 12, 2013@18:51:36 DEMO, USER 3 41 AUG 12, 2013@18:51:36 DEMO, USER 3 42 AUG 12, 2013@18:51:36 DEMO, USER 3 44 AUG 12, 2013@18:51:36 DEMO, USER 3 45 AUG 12, 2013@18:51:36 DEMO, USER 3 46 AUG 12, 2013@18:51:36 DEMO, USER 3 47 AUG 12, 2013@18:51:36 DEMO, USER 3 48 AUG 12, 2013@18:51:36 DEMO, USER 3 49 AUG 12, 2013@18:51:36 DEMO, USER 3 40 AUG 12, 2013@18:51:36 DEMO, USER 3 41 AUG 12, 2013@18:51:36 DEMO, USER 3 42 AUG 12, 2013@18:51:36 DEMO, USER 3 44 AUG 12, 2013@18:51:36 DEMO, USER 3 45 AUG 12, 2013@18:51:36 DEMO, USER 3 46 AUG 12, 2013@18:51:36 DEMO, USER 3 47 AUG 12, 2013@18:51:36 DEMO, USER 3 49 AUG 12, 2013@18:51:38 DEMO, USER 3 49 AUG 12, 2013@18:51:38 DEMO, USER 3 49 AUG 12, 2013@18:51:38 DEMO, USER 3 49 AUG 12, 2013@18:51:39 DEMO, USER 3 40 AUG 12, 2013@18:51:39 DEMO, USER 3 41 AUG 12, 2013@18:51:39 DEMO, USER 3 42 AUG 12, 2013@18:51:39 DEMO, USER 3 44 AUG 12, 2013@18:51:39 DEMO, USER 3 45 AUG 12, 2013@18:51:39 DEMO, USER 3 46 AUG 12, 2013@18:51:39			
25		•	·
31 JUL 08, 2004 DEMO, USER 1 35 JUL 08, 2004 DEMO, USER 1 40 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 38 JUL 08, 2004 DEMO, USER 1 39 JUL 08, 2004 DEMO, USER 1 30 JUL 08, 2004 DEMO, USER 1 40 JUL 08, 2004 DEMO, USER 1 41 JUL 08, 2004 DEMO, USER 1 42 JUL 08, 2004 DEMO, USER 1 43 JUL 08, 2004 DEMO, USER 1 44 DEMO, USER 1 45 DEMO, USER 3 46 DEMO, USER 3 46 AUG 12, 2013@18:51:35 DEMO, USER 3 46 AUG 12, 2013@18:51:35 DEMO, USER 3 46 AUG 12, 2013@18:51:35 DEMO, USER 3 47 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 49 AUG 12, 2013@18:51:35 DEMO, USER 3 50 AUG 12, 2013@18:51:35 DEMO, USER 3 51 AUG 12, 2013@18:51:35 DEMO, USER 3 52 AUG 12, 2013@18:51:35 DEMO, USER 3 53 DEMO, USER 3 54 AUG 12, 2013@18:51:35 DEMO, USER 3 54 AUG 12, 2013@18:51:35 DEMO, USER 3 55 AUG 12, 2013@18:51:35 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 61 AUG 12, 2013@18:51:36 DEMO, USER 3 62 AUG 12, 2013@18:51:36 DEMO, USER 3 63 AUG 12, 2013@18:51:36 DEMO, USER 3 64 AUG 12, 2013@18:51:36 DEMO, USER 3 65 AUG 12, 2013@18:51:36 DEMO, USER 3 66 AUG 12, 2013@18:51:36 DEMO, USER 3 67 AUG 12, 2013@18:51:36 DEMO, USER 3 68 AUG 12, 2013@18:51:36 DEMO, USER 3 69 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 61 AUG 12, 2013@18:51:38 DEMO, USER 3 62 AUG 12, 2013@18:51:38 DEMO, USER 3 63 AUG 12, 2013@18:51:38 DEMO, USER 3 64 AUG 12, 2013@18:51:38 DEMO, USER 3 65 AUG 12, 2013@18:51:38 DEMO, USER 3 66 AUG 12, 2013@18:51:38 DEMO, USER 3 67 AUG 12, 2013@18:51:38 DEMO, USER 3 68 AUG 12, 2013@18:51:38 DEMO, USER 3 69 AUG 12, 2013@18:51:38 DEMO, USER 3 69 AUG 12, 2013@18:51:38 DEMO, USER 3 60 AUG 12, 2013@18:51:38 DEMO, USER 3 61 AUG 12, 2013@18:51:39 DEMO, USER 3 62 AUG 12, 2013@18:51:39 DEMO, USER 3 63 AUG 12, 2013@18:51:39 DEMO, USER 3 64 AUG 12, 2013@18:51:39 DEMO, USER 3 65 DEMO, USER 3 66 AUG 12, 2013@18:51:39 DEMO, USER 3 67 AUG 12, 2013@18:51:39 DEMO, USER 3 68 DEM	27		DEMO, USER 1
35 JUL 08, 2004 DEMO, USER 1 40 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 42 JUL 08, 2004 DEMO, USER 1 43 JUL 08, 2004 DEMO, USER 1 1001 MAY 24, 2005 1002 DEC 13, 2011816:28:18 DEMO, USER 3 1002 DEC 13, 2011816:28:18 DEMO, USER 3 44 AUG 12, 2013818:51:35 DEMO, USER 3 46 AUG 12, 2013818:51:35 DEMO, USER 3 46 AUG 12, 2013818:51:35 DEMO, USER 3 48 AUG 12, 2013818:51:35 DEMO, USER 3 48 AUG 12, 2013818:51:35 DEMO, USER 3 49 AUG 12, 2013818:51:35 DEMO, USER 3 50 AUG 12, 2013818:51:35 DEMO, USER 3 51 AUG 12, 2013818:51:35 DEMO, USER 3 55 AUG 12, 2013818:51:35 DEMO, USER 3 56 AUG 12, 2013818:51:35 DEMO, USER 3 57 AUG 12, 2013818:51:35 DEMO, USER 3 58 AUG 12, 2013818:51:35 DEMO, USER 3 59 AUG 12, 2013818:51:36 DEMO, USER 3 59 AUG 12, 2013818:51:36 DEMO, USER 3 60 AUG 12, 2013818:51:36 DEMO, USER 3 61 AUG 12, 2013818:51:36 DEMO, USER 3 62 AUG 12, 2013818:51:36 DEMO, USER 3 63 AUG 12, 2013818:51:36 DEMO, USER 3 64 AUG 12, 2013818:51:36 DEMO, USER 3 65 AUG 12, 2013818:51:36 DEMO, USER 3 66 AUG 12, 2013818:51:36 DEMO, USER 3 67 AUG 12, 2013818:51:36 DEMO, USER 3 68 AUG 12, 2013818:51:36 DEMO, USER 3 69 AUG 12, 2013818:51:36 DEMO, USER 3 69 AUG 12, 2013818:51:36 DEMO, USER 3 60 AUG 12, 2013818:51:36 DEMO, USER 3 61 AUG 12, 2013818:51:36 DEMO, USER 3 62 AUG 12, 2013818:51:36 DEMO, USER 3 63 AUG 12, 2013818:51:36 DEMO, USER 3 64 AUG 12, 2013818:51:36 DEMO, USER 3 65 AUG 12, 2013818:51:38 DEMO, USER 3 66 AUG 12, 2013818:51:38 DEMO, USER 3 67 AUG 12, 2013818:51:38 DEMO, USER 3 68 AUG 12, 2013818:51:38 DEMO, USER 3 69 AUG 12, 2013818:51:38 DEMO, USER 3 60 AUG 12, 2013818:51:39 DEMO, USER 3 61 AUG 12, 2013818:51:39 DEMO, USER 3 62 AUG 12, 2013818:51:39 DEMO, USER 3 63 AUG 12, 2013818:51:39 DEMO, USER 3 64 AUG 12, 2013818:51:39 DEMO, USER 3 65 AUG 12, 2013818:51:39 DEMO, USER 3 66 AUG 12, 2013818:51:39 DEMO, USER 3 67 AUG 12, 2013818:51:39 DEMO, USER 3 68 AUG 12, 2013818:51:39 DEMO, USER 3 69 AUG 12, 2013818:51:39 DEMO, USER 3 60 AUG	25	JUL 08, 2004	DEMO, USER 1
35 JUL 08, 2004 DEMO, USER 1 40 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 42 JUL 08, 2004 DEMO, USER 1 43 JUL 08, 2004 DEMO, USER 1 1001 MAY 24, 2005 1002 DEC 13, 2011816:28:18 DEMO, USER 3 1002 DEC 13, 2011816:28:18 DEMO, USER 3 44 AUG 12, 2013818:51:35 DEMO, USER 3 46 AUG 12, 2013818:51:35 DEMO, USER 3 46 AUG 12, 2013818:51:35 DEMO, USER 3 48 AUG 12, 2013818:51:35 DEMO, USER 3 48 AUG 12, 2013818:51:35 DEMO, USER 3 49 AUG 12, 2013818:51:35 DEMO, USER 3 50 AUG 12, 2013818:51:35 DEMO, USER 3 51 AUG 12, 2013818:51:35 DEMO, USER 3 55 AUG 12, 2013818:51:35 DEMO, USER 3 56 AUG 12, 2013818:51:35 DEMO, USER 3 57 AUG 12, 2013818:51:35 DEMO, USER 3 58 AUG 12, 2013818:51:35 DEMO, USER 3 59 AUG 12, 2013818:51:36 DEMO, USER 3 59 AUG 12, 2013818:51:36 DEMO, USER 3 60 AUG 12, 2013818:51:36 DEMO, USER 3 61 AUG 12, 2013818:51:36 DEMO, USER 3 62 AUG 12, 2013818:51:36 DEMO, USER 3 63 AUG 12, 2013818:51:36 DEMO, USER 3 64 AUG 12, 2013818:51:36 DEMO, USER 3 65 AUG 12, 2013818:51:36 DEMO, USER 3 66 AUG 12, 2013818:51:36 DEMO, USER 3 67 AUG 12, 2013818:51:36 DEMO, USER 3 68 AUG 12, 2013818:51:36 DEMO, USER 3 69 AUG 12, 2013818:51:36 DEMO, USER 3 69 AUG 12, 2013818:51:36 DEMO, USER 3 60 AUG 12, 2013818:51:36 DEMO, USER 3 61 AUG 12, 2013818:51:36 DEMO, USER 3 62 AUG 12, 2013818:51:36 DEMO, USER 3 63 AUG 12, 2013818:51:36 DEMO, USER 3 64 AUG 12, 2013818:51:36 DEMO, USER 3 65 AUG 12, 2013818:51:38 DEMO, USER 3 66 AUG 12, 2013818:51:38 DEMO, USER 3 67 AUG 12, 2013818:51:38 DEMO, USER 3 68 AUG 12, 2013818:51:38 DEMO, USER 3 69 AUG 12, 2013818:51:38 DEMO, USER 3 60 AUG 12, 2013818:51:39 DEMO, USER 3 61 AUG 12, 2013818:51:39 DEMO, USER 3 62 AUG 12, 2013818:51:39 DEMO, USER 3 63 AUG 12, 2013818:51:39 DEMO, USER 3 64 AUG 12, 2013818:51:39 DEMO, USER 3 65 AUG 12, 2013818:51:39 DEMO, USER 3 66 AUG 12, 2013818:51:39 DEMO, USER 3 67 AUG 12, 2013818:51:39 DEMO, USER 3 68 AUG 12, 2013818:51:39 DEMO, USER 3 69 AUG 12, 2013818:51:39 DEMO, USER 3 60 AUG	31		DEMO, USER 1
40 JUL 08, 2004 DEMO, USER 1 36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 42 JUL 08, 2004 DEMO, USER 1 43 JUL 08, 2004 DEMO, USER 1 43 JUL 08, 2004 DEMO, USER 1 43 JUL 08, 2004 DEMO, USER 1 1001 MAY 24, 2005 DEMO, USER 3 10002 DEC 13, 2011@16:28:18 DEMO, USER 3 44 AUG 12, 2013@18:51:35 DEMO, USER 3 46 AUG 12, 2013@18:51:35 DEMO, USER 3 46 AUG 12, 2013@18:51:35 DEMO, USER 3 47 AUG 12, 2013@18:51:35 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 49 AUG 12, 2013@18:51:35 DEMO, USER 3 50 AUG 12, 2013@18:51:35 DEMO, USER 3 51 AUG 12, 2013@18:51:35 DEMO, USER 3 51 AUG 12, 2013@18:51:35 DEMO, USER 3 52 AUG 12, 2013@18:51:35 DEMO, USER 3 54 AUG 12, 2013@18:51:35 DEMO, USER 3 54 AUG 12, 2013@18:51:36 DEMO, USER 3 55 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 61 AUG 12, 2013@18:51:36 DEMO, USER 3 62 AUG 12, 2013@18:51:36 DEMO, USER 3 63 AUG 12, 2013@18:51:36 DEMO, USER 3 64 AUG 12, 2013@18:51:36 DEMO, USER 3 65 AUG 12, 2013@18:51:36 DEMO, USER 3 66 AUG 12, 2013@18:51:36 DEMO, USER 3 67 AUG 12, 2013@18:51:36 DEMO, USER 3 68 AUG 12, 2013@18:51:36 DEMO, USER 3 69 AUG 12, 2013@18:51:36 DEMO, USER 3 69 AUG 12, 2013@18:51:36 DEMO, USER 3 69 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 61 AUG 12, 2013@18:51:38 DEMO, USER 3 62 AUG 12, 2013@18:51:38 DEMO, USER 3 63 AUG 12, 2013@18:51:38 DEMO, USER 3 64 AUG 12, 2013@18:51:38 DEMO, USER 3 65 AUG 12, 2013@18:51:38 DEMO, USER 3 66 AUG 12, 2013@18:51:38 DEMO, USER 3 76 AUG 12, 2013@18:51:39 DEMO, USER 3 77 AUG 12, 2013@18:51:39 DEMO, USER 3 78 AUG 12, 2013@18:51:39 DEMO, USER 3 80 AUG 12, 2013@18:51:39 DEMO, USER 3 81 AUG 12, 2013@18:51:39 DEMO, USER 3 82 AUG 12, 2013@18:51:39 DEMO, USER 3 83 AUG 12, 2013@18:51:39 DEMO, USER 3 80 AUG 12, 2013@18:51:39 DEMO, USER 3 80 AUG 12, 2013@18:51:39 DEMO, USER 3		·	·
36 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 42 JUL 08, 2004 DEMO, USER 1 43 JUL 08, 2004 DEMO, USER 1 1001 MAY 24, 2005 DEMO, USER 3 1002 DEC 13, 2011916:28:18 DEMO, USER 3 38 AUG 12, 2013918:51:35 DEMO, USER 3 44 AUG 12, 2013918:51:35 DEMO, USER 3 46 AUG 12, 2013918:51:35 DEMO, USER 3 48 AUG 12, 2013918:51:35 DEMO, USER 3 48 AUG 12, 2013918:51:35 DEMO, USER 3 48 AUG 12, 2013918:51:35 DEMO, USER 3 33 AUG 12, 2013918:51:35 DEMO, USER 3 33 AUG 12, 2013918:51:35 DEMO, USER 3 55 AUG 12, 2013918:51:35 DEMO, USER 3 55 AUG 12, 2013918:51:35 DEMO, USER 3 56 AUG 12, 2013918:51:35 DEMO, USER 3 57 AUG 12, 2013918:51:36 DEMO, USER 3 58 AUG 12, 2013918:51:36 DEMO, USER 3 59 AUG 12, 2013918:51:36 DEMO, USER 3 59 AUG 12, 2013918:51:36 DEMO, USER 3 50 AUG 12, 2013918:51:36 DEMO, USER 3 51 AUG 12, 2013918:51:36 DEMO, USER 3 52 AUG 12, 2013918:51:36 DEMO, USER 3 53 DEMO, USER 3 54 AUG 12, 2013918:51:36 DEMO, USER 3 56 AUG 12, 2013918:51:36 DEMO, USER 3 57 AUG 12, 2013918:51:36 DEMO, USER 3 68 AUG 12, 2013918:51:36 DEMO, USER 3 69 AUG 12, 2013918:51:36 DEMO, USER 3 60 AUG 12, 2013918:51:36 DEMO, USER 3 60 AUG 12, 2013918:51:36 DEMO, USER 3 60 AUG 12, 2013918:51:36 DEMO, USER 3 61 AUG 12, 2013918:51:36 DEMO, USER 3 62 AUG 12, 2013918:51:36 DEMO, USER 3 63 AUG 12, 2013918:51:36 DEMO, USER 3 64 AUG 12, 2013918:51:36 DEMO, USER 3 65 AUG 12, 2013918:51:36 DEMO, USER 3 66 AUG 12, 2013918:51:38 DEMO, USER 3 67 AUG 12, 2013918:51:38 DEMO, USER 3 68 AUG 12, 2013918:51:38 DEMO, USER 3 69 AUG 12, 2013918:51:38 DEMO, USER 3 70 AUG 12, 2013918:51:39 DEMO, USER 3 71 AUG 12, 2013918:51:39 DEMO, USER 3 72 AUG 12, 2013918:51:39 DEMO, USER 3 73 AUG 12, 2013918:51:39 DEMO, USER 3 74 AUG 12, 2013918:51:39 DEMO, USER 3 75 AUG 12, 2013918:51:39 DEMO, USER 3 80 AUG 12, 2013918:51:39 DEMO, USER 3			
34 JUL 08, 2004 DEMO, USER 1 37 JUL 08, 2004 DEMO, USER 1 42 JUL 08, 2004 DEMO, USER 1 43 JUL 08, 2004 DEMO, USER 1 1001 MAY 24, 2005 DEMO, USER 3 10002 DEC 13, 2011@16:28:18 DEMO, USER 3 38 AUG 12, 2013@18:51:35 DEMO, USER 3 44 AUG 12, 2013@18:51:35 DEMO, USER 3 46 AUG 12, 2013@18:51:35 DEMO, USER 3 46 AUG 12, 2013@18:51:35 DEMO, USER 3 50 AUG 12, 2013@18:51:35 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 33 AUG 12, 2013@18:51:35 DEMO, USER 3 34 AUG 12, 2013@18:51:35 DEMO, USER 3 55 AUG 12, 2013@18:51:35 DEMO, USER 3 55 AUG 12, 2013@18:51:35 DEMO, USER 3 51 AUG 12, 2013@18:51:35 DEMO, USER 3 54 AUG 12, 2013@18:51:35 DEMO, USER 3 54 AUG 12, 2013@18:51:35 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 61 AUG 12, 2013@18:51:36 DEMO, USER 3 62 AUG 12, 2013@18:51:36 DEMO, USER 3 63 AUG 12, 2013@18:51:36 DEMO, USER 3 64 AUG 12, 2013@18:51:36 DEMO, USER 3 65 AUG 12, 2013@18:51:36 DEMO, USER 3 66 AUG 12, 2013@18:51:36 DEMO, USER 3 67 AUG 12, 2013@18:51:36 DEMO, USER 3 68 AUG 12, 2013@18:51:36 DEMO, USER 3 69 AUG 12, 2013@18:51:36 DEMO, USER 3 69 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 61 AUG 12, 2013@18:51:36 DEMO, USER 3 62 AUG 12, 2013@18:51:36 DEMO, USER 3 63 AUG 12, 2013@18:51:36 DEMO, USER 3 64 AUG 12, 2013@18:51:36 DEMO, USER 3 65 AUG 12, 2013@18:51:36 DEMO, USER 3 66 AUG 12, 2013@18:51:36 DEMO, USER 3 67 AUG 12, 2013@18:51:38 DEMO, USER 3 68 AUG 12, 2013@18:51:38 DEMO, USER 3 69 AUG 12, 2013@18:51:38 DEMO, USER 3 60 AUG 12, 2013@18:51:38 DEMO, USER 3 61 AUG 12, 2013@18:51:38 DEMO, USER 3 62 AUG 12, 2013@18:51:38 DEMO, USER 3 63 AUG 12, 2013@18:51:38 DEMO, USER 3 64 AUG 12, 2013@18:51:38 DEMO, USER 3 65 AUG 12, 2013@18:51:38 DEMO, USER 3 66 AUG 12, 2013@18:51:38 DEMO, USER 3 67 AUG 12, 2013@18:51:38 DEMO, USER 3 68 AUG 12, 2013@18:51:39 DEMO, USER 3 69 AUG 12, 2013@18:51:39 DEMO, USER 3 60 AUG 12, 2013@18:51:39 DEMO, USER 3 61 AUG 12, 2013@18:51:39 DEMO, USER 3 62 AUG 12, 2013@18:51:39 DEMO, USER 3 63 AUG 12, 2013@18:51:39 DEMO, USE			·
37 JUL 08, 2004 DEMO, USER 1 42 JUL 08, 2004 DEMO, USER 1 43 JUL 08, 2004 DEMO, USER 1 1001 MAY 24, 2005 DEMO, USER 3 1002 DEC 13, 2011816:28:18 DEMO, USER 3 44 AUG 12, 2013818:51:35 DEMO, USER 3 46 AUG 12, 2013818:51:35 DEMO, USER 3 46 AUG 12, 2013818:51:35 DEMO, USER 3 48 AUG 12, 2013818:51:35 DEMO, USER 3 48 AUG 12, 2013818:51:35 DEMO, USER 3 49 AUG 12, 2013818:51:35 DEMO, USER 3 33 AUG 12, 2013818:51:35 DEMO, USER 3 34 AUG 12, 2013818:51:35 DEMO, USER 3 55 AUG 12, 2013818:51:35 DEMO, USER 3 55 AUG 12, 2013818:51:35 DEMO, USER 3 56 AUG 12, 2013818:51:35 DEMO, USER 3 57 AUG 12, 2013818:51:35 DEMO, USER 3 58 AUG 12, 2013818:51:35 DEMO, USER 3 59 AUG 12, 2013818:51:36 DEMO, USER 3 60 AUG 12, 2013818:51:36 DEMO, USER 3 60 AUG 12, 2013818:51:36 DEMO, USER 3 61 AUG 12, 2013818:51:36 DEMO, USER 3 62 AUG 12, 2013818:51:36 DEMO, USER 3 63 AUG 12, 2013818:51:36 DEMO, USER 3 64 AUG 12, 2013818:51:36 DEMO, USER 3 65 AUG 12, 2013818:51:36 DEMO, USER 3 66 AUG 12, 2013818:51:36 DEMO, USER 3 67 AUG 12, 2013818:51:36 DEMO, USER 3 68 AUG 12, 2013818:51:36 DEMO, USER 3 69 AUG 12, 2013818:51:36 DEMO, USER 3 69 AUG 12, 2013818:51:36 DEMO, USER 3 60 AUG 12, 2013818:51:36 DEMO, USER 3 61 AUG 12, 2013818:51:36 DEMO, USER 3 62 AUG 12, 2013818:51:36 DEMO, USER 3 63 AUG 12, 2013818:51:36 DEMO, USER 3 64 AUG 12, 2013818:51:36 DEMO, USER 3 65 AUG 12, 2013818:51:38 DEMO, USER 3 66 AUG 12, 2013818:51:38 DEMO, USER 3 67 AUG 12, 2013818:51:38 DEMO, USER 3 68 AUG 12, 2013818:51:38 DEMO, USER 3 69 AUG 12, 2013818:51:38 DEMO, USER 3 60 AUG 12, 2013818:51:39 DEMO, USER 3 61 AUG 12, 2013818:51:39 DEMO, USER 3 62 AUG 12, 2013818:51:39 DEMO, USER 3 63 AUG 12, 2013818:51:39 DEMO, USER 3 64 AUG 12, 2013818:51:39 DEMO, USER 3 65 AUG 12, 2013818:51:39 DEMO, USER 3 66 AUG 12, 2013818:51:39 DEMO, USER 3 67 AUG 12, 2013818:51:39 DEMO, USER 3 68 AUG 12, 2013818:51:39 DEMO, USER 3 69 AUG 12, 2013818:51:39 DEMO, USER 3 60 AUG 12, 2013818:51:39 D		•	·
42 JUL 08, 2004 DEMO, USER 1 43 JUL 08, 2004 DEMO, USER 1 1001 MAY 24, 2005 DEMO, USER 3 1002 DEC 13, 2011e16:28:18 DEMO, USER 3 38 AUG 12, 2013e18:51:35 DEMO, USER 3 44 AUG 12, 2013e18:51:35 DEMO, USER 3 46 AUG 12, 2013e18:51:35 DEMO, USER 3 50 AUG 12, 2013e18:51:35 DEMO, USER 3 33 AUG 12, 2013e18:51:35 DEMO, USER 3 34 AUG 12, 2013e18:51:35 DEMO, USER 3 35 AUG 12, 2013e18:51:35 DEMO, USER 3 36 AUG 12, 2013e18:51:35 DEMO, USER 3 37 AUG 12, 2013e18:51:35 DEMO, USER 3 38 AUG 12, 2013e18:51:35 DEMO, USER 3 39 AUG 12, 2013e18:51:35 DEMO, USER 3 40 AUG 12, 2013e18:51:35 DEMO, USER 3 41 AUG 12, 2013e18:51:35 DEMO, USER 3 42 AUG 12, 2013e18:51:36 DEMO, USER 3 43 AUG 12, 2013e18:51:36 DEMO, USER 3 44 AUG 12, 2013e18:51:36 DEMO, USER 3 45 AUG 12, 2013e18:51:36 DEMO, USER 3 46 AUG 12, 2013e18:51:36 DEMO, USER 3 47 AUG 12, 2013e18:51:36 DEMO, USER 3 48 AUG 12, 2013e18:51:36 DEMO, USER 3 49 AUG 12, 2013e18:51:36 DEMO, USER 3 40 AUG 12, 2013e18:51:36 DEMO, USER 3 41 AUG 12, 2013e18:51:36 DEMO, USER 3 42 AUG 12, 2013e18:51:36 DEMO, USER 3 43 AUG 12, 2013e18:51:36 DEMO, USER 3 44 AUG 12, 2013e18:51:36 DEMO, USER 3 45 AUG 12, 2013e18:51:36 DEMO, USER 3 46 AUG 12, 2013e18:51:36 DEMO, USER 3 47 AUG 12, 2013e18:51:38 DEMO, USER 3 48 AUG 12, 2013e18:51:38 DEMO, USER 3 49 AUG 12, 2013e18:51:39 DEMO, USER 3 40 AUG 12, 2013e1		•	·
43 JUL 08, 2004 DEMO, USER 1 1001 MAY 24, 2005 DEMO, USER 3 1002 DEC 13, 2011e16:28:18 DEMO, USER 2 38 AUG 12, 2013e18:51:35 DEMO, USER 3 44 AUG 12, 2013e18:51:35 DEMO, USER 3 46 AUG 12, 2013e18:51:35 DEMO, USER 3 50 AUG 12, 2013e18:51:35 DEMO, USER 3 48 AUG 12, 2013e18:51:35 DEMO, USER 3 48 AUG 12, 2013e18:51:35 DEMO, USER 3 33 AUG 12, 2013e18:51:35 DEMO, USER 3 35 DEMO, USER 3 36 AUG 12, 2013e18:51:35 DEMO, USER 3 37 AUG 12, 2013e18:51:35 DEMO, USER 3 38 AUG 12, 2013e18:51:35 DEMO, USER 3 49 AUG 12, 2013e18:51:35 DEMO, USER 3 40 AUG 12, 2013e18:51:36 DEMO, USER 3 41 AUG 12, 2013e18:51:36 DEMO, USER 3 42 AUG 12, 2013e18:51:36 DEMO, USER 3 43 AUG 12, 2013e18:51:36 DEMO, USER 3 44 AUG 12, 2013e18:51:36 DEMO, USER 3 45 AUG 12, 2013e18:51:36 DEMO, USER 3 46 AUG 12, 2013e18:51:36 DEMO, USER 3 47 AUG 12, 2013e18:51:36 DEMO, USER 3 48 AUG 12, 2013e18:51:36 DEMO, USER 3 49 AUG 12, 2013e18:51:38 DEMO, USER 3 49 AUG 12, 2013e18:51:39 DEMO, USER 3 40 AUG 12, 2013e18:51:39 DEMO, USER 3 41 AUG 12, 2013e18:51:39 DEMO, USER 3 42 AUG 12, 2013e18:51:39 DEMO, USER 3 43 AUG 12, 2013e18:51:39 DEMO, USER 3 44 AUG 12, 2013e18:51:39 DEMO, USER 3 45 AUG 12, 2013e18:51:39 DEMO, USER 3 46 AUG 12, 2013e18:51:39 DEMO, USER 3 48 AUG 12, 2013e18:51:39 DEMO, USER 3 49 AUG 12, 2013e18:51:39 DEMO, USER 3 40 AUG 12, 2013e18:51:39 DEMO, USER 3 41 AUG 12, 2013e18:51:39 DEMO, USER 3 42 AUG 12, 2013e18:51:39 DEMO, USER 3 43 AUG 12, 2013e18:51:39 DEMO,	37		DEMO, USER 1
43 JUL 08, 2004 DEMO, USER 1 1001 MAY 24, 2005 DEMO, USER 3 1002 DEC 13, 2011e16:28:18 DEMO, USER 2 38 AUG 12, 2013e18:51:35 DEMO, USER 3 44 AUG 12, 2013e18:51:35 DEMO, USER 3 46 AUG 12, 2013e18:51:35 DEMO, USER 3 50 AUG 12, 2013e18:51:35 DEMO, USER 3 48 AUG 12, 2013e18:51:35 DEMO, USER 3 48 AUG 12, 2013e18:51:35 DEMO, USER 3 33 AUG 12, 2013e18:51:35 DEMO, USER 3 35 DEMO, USER 3 36 AUG 12, 2013e18:51:35 DEMO, USER 3 37 AUG 12, 2013e18:51:35 DEMO, USER 3 38 AUG 12, 2013e18:51:35 DEMO, USER 3 49 AUG 12, 2013e18:51:35 DEMO, USER 3 40 AUG 12, 2013e18:51:36 DEMO, USER 3 41 AUG 12, 2013e18:51:36 DEMO, USER 3 42 AUG 12, 2013e18:51:36 DEMO, USER 3 43 AUG 12, 2013e18:51:36 DEMO, USER 3 44 AUG 12, 2013e18:51:36 DEMO, USER 3 45 AUG 12, 2013e18:51:36 DEMO, USER 3 46 AUG 12, 2013e18:51:36 DEMO, USER 3 47 AUG 12, 2013e18:51:36 DEMO, USER 3 48 AUG 12, 2013e18:51:36 DEMO, USER 3 49 AUG 12, 2013e18:51:38 DEMO, USER 3 49 AUG 12, 2013e18:51:39 DEMO, USER 3 40 AUG 12, 2013e18:51:39 DEMO, USER 3 41 AUG 12, 2013e18:51:39 DEMO, USER 3 42 AUG 12, 2013e18:51:39 DEMO, USER 3 43 AUG 12, 2013e18:51:39 DEMO, USER 3 44 AUG 12, 2013e18:51:39 DEMO, USER 3 45 AUG 12, 2013e18:51:39 DEMO, USER 3 46 AUG 12, 2013e18:51:39 DEMO, USER 3 48 AUG 12, 2013e18:51:39 DEMO, USER 3 49 AUG 12, 2013e18:51:39 DEMO, USER 3 40 AUG 12, 2013e18:51:39 DEMO, USER 3 41 AUG 12, 2013e18:51:39 DEMO, USER 3 42 AUG 12, 2013e18:51:39 DEMO, USER 3 43 AUG 12, 2013e18:51:39 DEMO,	42	JUL 08, 2004	DEMO, USER 1
1001 MAY 24, 2005 DEMO, USER 3 1002 DEC 13, 2011@16:28:18 DEMO, USER 2 38 AUG 12, 2013@18:51:35 DEMO, USER 3 44 AUG 12, 2013@18:51:35 DEMO, USER 3 46 AUG 12, 2013@18:51:35 DEMO, USER 3 50 AUG 12, 2013@18:51:35 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 33 AUG 12, 2013@18:51:35 DEMO, USER 3 55 AUG 12, 2013@18:51:35 DEMO, USER 3 55 AUG 12, 2013@18:51:35 DEMO, USER 3 51 AUG 12, 2013@18:51:35 DEMO, USER 3 54 AUG 12, 2013@18:51:35 DEMO, USER 3 54 AUG 12, 2013@18:51:35 DEMO, USER 3 56 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 59 AUG 12, 2013@18:51:36 DEMO, USER 3 41 AUG 12, 2013@18:51:36 DEMO, USER 3 63 AUG 12, 2013@18:51:36 DEMO, USER 3 64 AUG 12, 2013@18:51:36 DEMO, USER 3 65 AUG 12, 2013@18:51:36 DEMO, USER 3 66 AUG 12, 2013@18:51:36 DEMO, USER 3 67 AUG 12, 2013@18:51:36 DEMO, USER 3 68 AUG 12, 2013@18:51:36 DEMO, USER 3 69 AUG 12, 2013@18:51:36 DEMO, USER 3 69 AUG 12, 2013@18:51:36 DEMO, USER 3 69 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 61 AUG 12, 2013@18:51:38 DEMO, USER 3 62 AUG 12, 2013@18:51:38 DEMO, USER 3 63 AUG 12, 2013@18:51:38 DEMO, USER 3 64 AUG 12, 2013@18:51:38 DEMO, USER 3 65 AUG 12, 2013@18:51:38 DEMO, USER 3 66 AUG 12, 2013@18:51:38 DEMO, USER 3 67 AUG 12, 2013@18:51:38 DEMO, USER 3 68 AUG 12, 2013@18:51:38 DEMO, USER 3 69 AUG 12, 2013@18:51:38 DEMO, USER 3 60 AUG 12, 2013@18:51:38 DEMO, USER 3 61 AUG 12, 2013@18:51:38 DEMO, USER 3 62 AUG 12, 2013@18:51:38 DEMO, USER 3 63 AUG 12, 2013@18:51:39 DEMO, USER 3 64 AUG 12, 2013@18:51:39 DEMO, USER 3 65 AUG 12, 2013@18:51:39 DEMO, USER 3 66 AUG 12, 2013@18:51:39 DEMO, USER 3 67 AUG 12, 2013@18:51:39 DEMO, USER 3 68 AUG 12, 2013@18:51:39 DEMO, USER 3 69 AUG 12, 2013@18:51:39 DEMO, USER 3 60 AUG 12, 2013@18:51:39 DEMO, USER 3	43		DEMO,USER 1
1002 DEC 13, 2011@16:28:18 DEMO, USER 3 38 AUG 12, 2013@18:51:35 DEMO, USER 3 44 AUG 12, 2013@18:51:35 DEMO, USER 3 46 AUG 12, 2013@18:51:35 DEMO, USER 3 50 AUG 12, 2013@18:51:35 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 33 AUG 12, 2013@18:51:35 DEMO, USER 3 55 AUG 12, 2013@18:51:35 DEMO, USER 3 55 AUG 12, 2013@18:51:35 DEMO, USER 3 51 AUG 12, 2013@18:51:35 DEMO, USER 3 51 AUG 12, 2013@18:51:35 DEMO, USER 3 54 AUG 12, 2013@18:51:35 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 59 AUG 12, 2013@18:51:36 DEMO, USER 3 61 AUG 12, 2013@18:51:36 DEMO, USER 3 62 AUG 12, 2013@18:51:36 DEMO, USER 3 63 AUG 12, 2013@18:51:36 DEMO, USER 3 64 AUG 12, 2013@18:51:36 DEMO, USER 3 65 AUG 12, 2013@18:51:36 DEMO, USER 3 66 AUG 12, 2013@18:51:36 DEMO, USER 3 67 AUG 12, 2013@18:51:36 DEMO, USER 3 68 AUG 12, 2013@18:51:36 DEMO, USER 3 69 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 61 AUG 12, 2013@18:51:36 DEMO, USER 3 62 AUG 12, 2013@18:51:36 DEMO, USER 3 63 AUG 12, 2013@18:51:36 DEMO, USER 3 64 AUG 12, 2013@18:51:36 DEMO, USER 3 65 AUG 12, 2013@18:51:38 DEMO, USER 3 66 AUG 12, 2013@18:51:38 DEMO, USER 3 67 AUG 12, 2013@18:51:38 DEMO, USER 3 68 AUG 12, 2013@18:51:38 DEMO, USER 3 69 AUG 12, 2013@18:51:38 DEMO, USER 3 60 AUG 12, 2013@18:51:38 DEMO, USER 3 61 AUG 12, 2013@18:51:38 DEMO, USER 3 62 AUG 12, 2013@18:51:38 DEMO, USER 3 63 AUG 12, 2013@18:51:38 DEMO, USER 3 64 AUG 12, 2013@18:51:38 DEMO, USER 3 65 AUG 12, 2013@18:51:38 DEMO, USER 3 66 AUG 12, 2013@18:51:38 DEMO, USER 3 67 AUG 12, 2013@18:51:38 DEMO, USER 3 68 AUG 12, 2013@18:51:38 DEMO, USER 3 69 AUG 12, 2013@18:51:39 DEMO, USER 3 60 AUG 12, 2013@18:51:39 DEMO, USER 3 61 AUG 12, 2013@18:51:39 DEMO, USER 3 62 AUG 12, 2013@18:51:39 DEMO, USER 3 63 AUG 12, 2013@18:51:39 DEMO, USER 3 64 AUG 12, 2013@18:51:39 DEMO, USER 3 65 AUG 12, 2013@18:51:39 DEMO, USER 3 66 AUG 12, 2013@18:51:39 DEMO, USER 3 67 AUG 12, 2013@18:51:39 DEMO, USER 3 68 AUG 12, 2013@18:51:39 DEMO, USER 3 68 AUG 12, 2013@18:51:39 DEMO,		•	•
38			•
44 AUG 12, 2013@18:51:35 DEMO, USER 3 46 AUG 12, 2013@18:51:35 DEMO, USER 3 50 AUG 12, 2013@18:51:35 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 33 AUG 12, 2013@18:51:35 DEMO, USER 3 55 AUG 12, 2013@18:51:35 DEMO, USER 3 51 AUG 12, 2013@18:51:35 DEMO, USER 3 54 AUG 12, 2013@18:51:35 DEMO, USER 3 54 AUG 12, 2013@18:51:35 DEMO, USER 3 55 AUG 12, 2013@18:51:35 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 61 AUG 12, 2013@18:51:36 DEMO, USER 3 62 AUG 12, 2013@18:51:36 DEMO, USER 3 63 AUG 12, 2013@18:51:36 DEMO, USER 3 64 AUG 12, 2013@18:51:36 DEMO, USER 3 65 AUG 12, 2013@18:51:36 DEMO, USER 3 66 AUG 12, 2013@18:51:36 DEMO, USER 3 67 AUG 12, 2013@18:51:36 DEMO, USER 3 68 AUG 12, 2013@18:51:36 DEMO, USER 3 69 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 61 AUG 12, 2013@18:51:38 DEMO, USER 3 62 AUG 12, 2013@18:51:38 DEMO, USER 3 63 AUG 12, 2013@18:51:38 DEMO, USER 3 64 AUG 12, 2013@18:51:38 DEMO, USER 3 65 AUG 12, 2013@18:51:38 DEMO, USER 3 66 AUG 12, 2013@18:51:38 DEMO, USER 3 67 AUG 12, 2013@18:51:38 DEMO, USER 3 68 AUG 12, 2013@18:51:38 DEMO, USER 3 69 AUG 12, 2013@18:51:38 DEMO, USER 3 60 AUG 12, 2013@18:51:38 DEMO, USER 3 61 AUG 12, 2013@18:51:38 DEMO, USER 3 62 AUG 12, 2013@18:51:38 DEMO, USER 3 63 AUG 12, 2013@18:51:38 DEMO, USER 3 64 AUG 12, 2013@18:51:38 DEMO, USER 3 65 AUG 12, 2013@18:51:38 DEMO, USER 3 66 AUG 12, 2013@18:51:39 DEMO, USER 3 67 AUG 12, 2013@18:51:39 DEMO, USER 3 68 AUG 12, 2013@18:51:39 DEMO, USER 3 69 AUG 12, 2013@18:51:39 DEMO, USER 3 60 AUG 12, 2013@18:51:39 DEMO, USER 3 61 AUG 12, 2013@18:51:39 DEMO, USER 3 62 AUG 12, 2013@18:51:39 DEMO, USER 3 63 AUG 12, 2013@18:51:39 DEMO, USER 3 64 AUG 12, 2013@18:51:39 DEMO, USER 3 65 AUG 12, 2013@18:51:39 DEMO, USER 3 66 AUG 12, 2013@18:51:39 DEMO, USER 3 67 AUG 12, 2013@18:51:39 DEMO, USER 3 68 AUG 12, 2013@18:51:39 DEMO, USER 3 68 AUG 12, 2013@18:51:39 DEMO, USER 3 69 AUG 12, 2013@18:51:39 DEMO, USER 3 60 AUG 12, 2013@18:51:39 DEMO, U		•	·
46 AUG 12, 2013@18:51:35 DEMO, USER 3 50 AUG 12, 2013@18:51:35 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 33 AUG 12, 2013@18:51:35 DEMO, USER 3 55 AUG 12, 2013@18:51:35 DEMO, USER 3 51 AUG 12, 2013@18:51:35 DEMO, USER 3 51 AUG 12, 2013@18:51:35 DEMO, USER 3 45 AUG 12, 2013@18:51:35 DEMO, USER 3 46 AUG 12, 2013@18:51:36 DEMO, USER 3 47 AUG 12, 2013@18:51:36 DEMO, USER 3 48 AUG 12, 2013@18:51:36 DEMO, USER 3 49 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 61 AUG 12, 2013@18:51:36 DEMO, USER 3 62 AUG 12, 2013@18:51:36 DEMO, USER 3 63 AUG 12, 2013@18:51:36 DEMO, USER 3 64 AUG 12, 2013@18:51:36 DEMO, USER 3 65 AUG 12, 2013@18:51:36 DEMO, USER 3 66 AUG 12, 2013@18:51:36 DEMO, USER 3 67 AUG 12, 2013@18:51:36 DEMO, USER 3 68 AUG 12, 2013@18:51:38 DEMO, USER 3 69 AUG 12, 2013@18:51:38 DEMO, USER 3 60 AUG 12, 2013@18:51:38 DEMO, USER 3 61 AUG 12, 2013@18:51:38 DEMO, USER 3 62 AUG 12, 2013@18:51:38 DEMO, USER 3 63 AUG 12, 2013@18:51:38 DEMO, USER 3 64 AUG 12, 2013@18:51:38 DEMO, USER 3 65 AUG 12, 2013@18:51:38 DEMO, USER 3 66 AUG 12, 2013@18:51:38 DEMO, USER 3 67 AUG 12, 2013@18:51:38 DEMO, USER 3 68 AUG 12, 2013@18:51:38 DEMO, USER 3 69 AUG 12, 2013@18:51:38 DEMO, USER 3 60 AUG 12, 2013@18:51:38 DEMO, USER 3 61 AUG 12, 2013@18:51:38 DEMO, USER 3 62 AUG 12, 2013@18:51:38 DEMO, USER 3 63 AUG 12, 2013@18:51:39 DEMO, USER 3 64 AUG 12, 2013@18:51:39 DEMO, USER 3 65 AUG 12, 2013@18:51:39 DEMO, USER 3 66 AUG 12, 2013@18:51:39 DEMO, USER 3 67 AUG 12, 2013@18:51:39 DEMO, USER 3 68 AUG 12, 2013@18:51:39 DEMO, USER 3 69 AUG 12, 2013@18:51:39 DEMO, USER 3 60 AUG 12, 2013@18:51:39 DEMO, USER 3 61 AUG 12, 2013@18:51:39 DEMO, USER 3 62 AUG 12, 2013@18:51:39 DEMO, USER 3 63 AUG 12, 2013@18:51:39 DEMO, USER 3 64 AUG 12, 2013@18:51:39 DEMO, USER 3 65 AUG 12, 2013@18:51:39 DEMO, USER 3 66 AUG 12, 2013@18:51:39 DEMO, USER 3 67 AUG 12, 2013@18:51:39 DEMO, USER 3 68 AUG 12, 2013@18:51:39 DEMO, USER 3 69 AUG 12, 2013@18:51:39 DEMO, USER 3 60 AUG 12, 2013@18:51:39 DEMO, USER 3 60 AUG 12, 2013@18:51:39 DEMO, U			·
50 AUG 12, 2013@18:51:35 DEMO, USER 3 48 AUG 12, 2013@18:51:35 DEMO, USER 3 33 AUG 12, 2013@18:51:35 DEMO, USER 3 55 AUG 12, 2013@18:51:35 DEMO, USER 3 51 AUG 12, 2013@18:51:35 DEMO, USER 3 54 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 59 AUG 12, 2013@18:51:36 DEMO, USER 3 41 AUG 12, 2013@18:51:36 DEMO, USER 3 62 AUG 12, 2013@18:51:36 DEMO, USER 3 62 AUG 12, 2013@18:51:36 DEMO, USER 3 66 AUG 12, 2013@18:51:36 DEMO, USER 3 67 AUG 12, 2013@18:51:36 DEMO, USER 3 68 AUG 12, 2013@18:51:36 DEMO, USER 3 69 AUG 12, 2013@18:51:36 DEMO, USER 3 68 AUG 12, 2013@18:51:38 DEMO, USER 3 67 AUG 12, 2013@18:51:38 DEMO, USER 3 72 AUG 12, 2013@18:51:38 DEMO, USER 3 74 AUG 12, 2013@18:51:38 DEMO, USER 3	44	AUG 12, 2013@18:51:35	DEMO, USER 3
48 AUG 12, 2013@18:51:35 DEMO,USER 3 33 AUG 12, 2013@18:51:35 DEMO,USER 3 55 AUG 12, 2013@18:51:35 DEMO,USER 3 51 AUG 12, 2013@18:51:35 DEMO,USER 3 54 AUG 12, 2013@18:51:35 DEMO,USER 3 55 AUG 12, 2013@18:51:35 DEMO,USER 3 45 AUG 12, 2013@18:51:36 DEMO,USER 3 60 AUG 12, 2013@18:51:36 DEMO,USER 3 60 AUG 12, 2013@18:51:36 DEMO,USER 3 61 AUG 12, 2013@18:51:36 DEMO,USER 3 62 AUG 12, 2013@18:51:36 DEMO,USER 3 63 AUG 12, 2013@18:51:36 DEMO,USER 3 64 AUG 12, 2013@18:51:36 DEMO,USER 3 65 AUG 12, 2013@18:51:36 DEMO,USER 3 66 AUG 12, 2013@18:51:36 DEMO,USER 3 67 AUG 12, 2013@18:51:36 DEMO,USER 3 68 AUG 12, 2013@18:51:36 DEMO,USER 3 69 AUG 12, 2013@18:51:36 DEMO,USER 3 69 AUG 12, 2013@18:51:36 DEMO,USER 3 60 AUG 12, 2013@18:51:38 DEMO,USER 3 61 AUG 12, 2013@18:51:38 DEMO,USER 3 62 AUG 12, 2013@18:51:38 DEMO,USER 3 63 AUG 12, 2013@18:51:38 DEMO,USER 3 64 AUG 12, 2013@18:51:38 DEMO,USER 3 65 AUG 12, 2013@18:51:38 DEMO,USER 3 66 AUG 12, 2013@18:51:38 DEMO,USER 3 67 AUG 12, 2013@18:51:38 DEMO,USER 3 68 AUG 12, 2013@18:51:38 DEMO,USER 3 69 AUG 12, 2013@18:51:38 DEMO,USER 3 60 AUG 12, 2013@18:51:38 DEMO,USER 3 61 AUG 12, 2013@18:51:38 DEMO,USER 3 62 AUG 12, 2013@18:51:38 DEMO,USER 3 63 AUG 12, 2013@18:51:39 DEMO,USER 3 64 AUG 12, 2013@18:51:39 DEMO,USER 3 65 AUG 12, 2013@18:51:39 DEMO,USER 3 66 AUG 12, 2013@18:51:39 DEMO,USER 3 67 AUG 12, 2013@18:51:39 DEMO,USER 3 68 AUG 12, 2013@18:51:39 DEMO,USER 3 69 AUG 12, 2013@18:51:39 DEMO,USER 3 60 AUG 12, 2013@18:51:39 DEMO,USER 3 61 AUG 12, 2013@18:51:39 DEMO,USER 3 62 AUG 12, 2013@18:51:39 DEMO,USER 3 63 AUG 12, 2013@18:51:39 DEMO,USER 3 64 AUG 12, 2013@18:51:39 DEMO,USER 3 65 AUG 12, 2013@18:51:39 DEMO,USER 3 66 AUG 12, 2013@18:51:39 DEMO,USER 3 67 AUG 12, 2013@18:51:39 DEMO,USER 3 68 AUG 12, 2013@18:51:39 DEMO,USER 3 69 AUG 12, 2013@18:51:39 DEMO,USER 3 60 AUG 12, 2013@18:51:39 DEMO,USER 3	46	AUG 12, 2013@18:51:35	DEMO, USER 3
48 AUG 12, 2013@18:51:35 DEMO,USER 3 33 AUG 12, 2013@18:51:35 DEMO,USER 3 55 AUG 12, 2013@18:51:35 DEMO,USER 3 51 AUG 12, 2013@18:51:35 DEMO,USER 3 54 AUG 12, 2013@18:51:35 DEMO,USER 3 55 AUG 12, 2013@18:51:35 DEMO,USER 3 45 AUG 12, 2013@18:51:36 DEMO,USER 3 60 AUG 12, 2013@18:51:36 DEMO,USER 3 60 AUG 12, 2013@18:51:36 DEMO,USER 3 61 AUG 12, 2013@18:51:36 DEMO,USER 3 62 AUG 12, 2013@18:51:36 DEMO,USER 3 63 AUG 12, 2013@18:51:36 DEMO,USER 3 64 AUG 12, 2013@18:51:36 DEMO,USER 3 65 AUG 12, 2013@18:51:36 DEMO,USER 3 66 AUG 12, 2013@18:51:36 DEMO,USER 3 67 AUG 12, 2013@18:51:36 DEMO,USER 3 68 AUG 12, 2013@18:51:36 DEMO,USER 3 69 AUG 12, 2013@18:51:36 DEMO,USER 3 69 AUG 12, 2013@18:51:36 DEMO,USER 3 60 AUG 12, 2013@18:51:38 DEMO,USER 3 61 AUG 12, 2013@18:51:38 DEMO,USER 3 62 AUG 12, 2013@18:51:38 DEMO,USER 3 63 AUG 12, 2013@18:51:38 DEMO,USER 3 64 AUG 12, 2013@18:51:38 DEMO,USER 3 65 AUG 12, 2013@18:51:38 DEMO,USER 3 66 AUG 12, 2013@18:51:38 DEMO,USER 3 67 AUG 12, 2013@18:51:38 DEMO,USER 3 68 AUG 12, 2013@18:51:38 DEMO,USER 3 69 AUG 12, 2013@18:51:38 DEMO,USER 3 60 AUG 12, 2013@18:51:38 DEMO,USER 3 61 AUG 12, 2013@18:51:38 DEMO,USER 3 62 AUG 12, 2013@18:51:38 DEMO,USER 3 63 AUG 12, 2013@18:51:39 DEMO,USER 3 64 AUG 12, 2013@18:51:39 DEMO,USER 3 65 AUG 12, 2013@18:51:39 DEMO,USER 3 66 AUG 12, 2013@18:51:39 DEMO,USER 3 67 AUG 12, 2013@18:51:39 DEMO,USER 3 68 AUG 12, 2013@18:51:39 DEMO,USER 3 69 AUG 12, 2013@18:51:39 DEMO,USER 3 60 AUG 12, 2013@18:51:39 DEMO,USER 3 61 AUG 12, 2013@18:51:39 DEMO,USER 3 62 AUG 12, 2013@18:51:39 DEMO,USER 3 63 AUG 12, 2013@18:51:39 DEMO,USER 3 64 AUG 12, 2013@18:51:39 DEMO,USER 3 65 AUG 12, 2013@18:51:39 DEMO,USER 3 66 AUG 12, 2013@18:51:39 DEMO,USER 3 67 AUG 12, 2013@18:51:39 DEMO,USER 3 68 AUG 12, 2013@18:51:39 DEMO,USER 3 69 AUG 12, 2013@18:51:39 DEMO,USER 3 60 AUG 12, 2013@18:51:39 DEMO,USER 3	50	AUG 12, 2013@18:51:35	DEMO, USER 3
33 AUG 12, 2013@18:51:35 DEMO,USER 3 55 AUG 12, 2013@18:51:35 DEMO,USER 3 51 AUG 12, 2013@18:51:35 DEMO,USER 3 54 AUG 12, 2013@18:51:35 DEMO,USER 3 45 AUG 12, 2013@18:51:36 DEMO,USER 3 60 AUG 12, 2013@18:51:36 DEMO,USER 3 60 AUG 12, 2013@18:51:36 DEMO,USER 3 41 AUG 12, 2013@18:51:36 DEMO,USER 3 41 AUG 12, 2013@18:51:36 DEMO,USER 3 63 AUG 12, 2013@18:51:36 DEMO,USER 3 64 AUG 12, 2013@18:51:36 DEMO,USER 3 65 AUG 12, 2013@18:51:36 DEMO,USER 3 66 AUG 12, 2013@18:51:36 DEMO,USER 3 67 AUG 12, 2013@18:51:36 DEMO,USER 3 68 AUG 12, 2013@18:51:36 DEMO,USER 3 69 AUG 12, 2013@18:51:36 DEMO,USER 3 68 AUG 12, 2013@18:51:36 DEMO,USER 3 69 AUG 12, 2013@18:51:38 DEMO,USER 3 60 AUG 12, 2013@18:51:38 DEMO,USER 3 61 AUG 12, 2013@18:51:38 DEMO,USER 3 62 AUG 12, 2013@18:51:38 DEMO,USER 3 63 AUG 12, 2013@18:51:38 DEMO,USER 3 64 AUG 12, 2013@18:51:38 DEMO,USER 3 65 AUG 12, 2013@18:51:38 DEMO,USER 3 66 AUG 12, 2013@18:51:38 DEMO,USER 3 67 AUG 12, 2013@18:51:38 DEMO,USER 3 68 AUG 12, 2013@18:51:38 DEMO,USER 3 69 AUG 12, 2013@18:51:39 DEMO,USER 3 60 AUG 12, 2013@18:51:39 DEMO,USER 3 61 AUG 12, 2013@18:51:39 DEMO,USER 3 62 AUG 12, 2013@18:51:39 DEMO,USER 3 63 AUG 12, 2013@18:51:39 DEMO,USER 3 64 AUG 12, 2013@18:51:39 DEMO,USER 3 65 AUG 12, 2013@18:51:39 DEMO,USER 3 66 AUG 12, 2013@18:51:39 DEMO,USER 3 67 AUG 12, 2013@18:51:39 DEMO,USER 3 68 AUG 12, 2013@18:51:39 DEMO,USER 3 69 AUG 12, 2013@18:51:39 DEMO,USER 3 60 AUG 12, 2013@18:51:39 DEMO,USER 3 61 AUG 12, 2013@18:51:39 DEMO,USER 3 62 AUG 12, 2013@18:51:39 DEMO,USER 3 63 AUG 12, 2013@18:51:39 DEMO,USER 3 64 AUG 12, 2013@18:51:39 DEMO,USER 3 65 AUG 12, 2013@18:51:39 DEMO,USER 3 66 AUG 12, 2013@18:51:39 DEMO,USER 3 67 AUG 12, 2013@18:51:39 DEMO,USER 3 68 AUG 12, 2013@18:51:39 DEMO,USER 3 68 AUG 12, 2013@18:51:39 DEMO,USER 3 68 AUG 12, 2013@18:51:39 DEMO,USER 3 69 AUG 12, 2013@18:51:39 DEMO,USER 3 60 AUG 12, 2013@18:51:39 DEMO,USER 3 60 AUG 12, 2013@18:51:39 DEMO,USER 3 60 AUG 12, 2013@18:51:39 DEMO,USER 3	48		DEMO.USER 3
55 AUG 12, 2013@18:51:35 DEMO, USER 3 51 AUG 12, 2013@18:51:35 DEMO, USER 3 54 AUG 12, 2013@18:51:35 DEMO, USER 3 45 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 61 AUG 12, 2013@18:51:36 DEMO, USER 3 62 AUG 12, 2013@18:51:36 DEMO, USER 3 63 AUG 12, 2013@18:51:36 DEMO, USER 3 64 AUG 12, 2013@18:51:36 DEMO, USER 3 65 AUG 12, 2013@18:51:36 DEMO, USER 3 66 AUG 12, 2013@18:51:36 DEMO, USER 3 67 AUG 12, 2013@18:51:36 DEMO, USER 3 68 AUG 12, 2013@18:51:36 DEMO, USER 3 68 AUG 12, 2013@18:51:36 DEMO, USER 3 69 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:38 DEMO, USER 3 61 AUG 12, 2013@18:51:38 DEMO, USER 3 62 AUG 12, 2013@18:51:38 DEMO, USER 3 63 AUG 12, 2013@18:51:38 DEMO, USER 3 64 AUG 12, 2013@18:51:38 DEMO, USER 3 65 AUG 12, 2013@18:51:38 DEMO, USER 3 66 AUG 12, 2013@18:51:38 DEMO, USER 3 67 AUG 12, 2013@18:51:38 DEMO, USER 3 68 AUG 12, 2013@18:51:38 DEMO, USER 3 69 AUG 12, 2013@18:51:38 DEMO, USER 3 60 AUG 12, 2013@18:51:39 DEMO, USER 3 61 AUG 12, 2013@18:51:39 DEMO, USER 3 62 AUG 12, 2013@18:51:39 DEMO, USER 3 63 AUG 12, 2013@18:51:39 DEMO, USER 3 64 AUG 12, 2013@18:51:39 DEMO, USER 3 65 AUG 12, 2013@18:51:39 DEMO, USER 3 66 AUG 12, 2013@18:51:39 DEMO, USER 3 67 AUG 12, 2013@18:51:39 DEMO, USER 3 68 AUG 12, 2013@18:51:39 DEMO, USER 3 68 AUG 12, 2013@18:51:39 DEMO, USER 3 69 AUG 12, 2013@18:51:39 DEMO, USER 3 60 AUG 12, 2013@18:51:39 DEMO, USER 3 61 AUG 12, 2013@18:51:39 DEMO, USER 3 62 AUG 12, 2013@18:51:39 DEMO, USER 3 63 AUG 12, 2013@18:51:39 DEMO, USER 3 64 AUG 12, 2013@18:51:39 DEMO, USER 3 65 AUG 12, 2013@18:51:39 DEMO, USER 3 66 AUG 12, 2013@18:51:39 DEMO, USER 3 67 AUG 12, 2013@18:51:39 DEMO, USER 3 68 AUG 12, 2013@18:51:39 DEMO, USER 3			·
51 AUG 12, 2013@18:51:35 DEMO, USER 3 54 AUG 12, 2013@18:51:35 DEMO, USER 3 45 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 59 AUG 12, 2013@18:51:36 DEMO, USER 3 41 AUG 12, 2013@18:51:36 DEMO, USER 3 63 AUG 12, 2013@18:51:36 DEMO, USER 3 62 AUG 12, 2013@18:51:36 DEMO, USER 3 66 AUG 12, 2013@18:51:36 DEMO, USER 3 67 AUG 12, 2013@18:51:36 DEMO, USER 3 68 AUG 12, 2013@18:51:36 DEMO, USER 3 67 AUG 12, 2013@18:51:36 DEMO, USER 3 67 AUG 12, 2013@18:51:38 DEMO, USER 3 64 AUG 12, 2013@18:51:38 DEMO, USER 3 72 AUG 12, 2013@18:51:38 DEMO, USER 3 74 AUG 12, 2013@18:51:38 DEMO, USER 3 75 AUG 12, 2013@18:51:38 DEMO, USER 3 79 AUG 12, 2013@18:51:39 DEMO, USER 3 79 AUG 12, 2013@18:51:39 DEMO, USER 3 75 AUG 12, 2013@18:51:39 DEMO, USER 3			·
54 AUG 12, 2013@18:51:35 DEMO, USER 3 45 AUG 12, 2013@18:51:36 DEMO, USER 3 60 AUG 12, 2013@18:51:36 DEMO, USER 3 59 AUG 12, 2013@18:51:36 DEMO, USER 3 41 AUG 12, 2013@18:51:36 DEMO, USER 3 63 AUG 12, 2013@18:51:36 DEMO, USER 3 62 AUG 12, 2013@18:51:36 DEMO, USER 3 66 AUG 12, 2013@18:51:36 DEMO, USER 3 67 AUG 12, 2013@18:51:36 DEMO, USER 3 68 AUG 12, 2013@18:51:36 DEMO, USER 3 67 AUG 12, 2013@18:51:36 DEMO, USER 3 67 AUG 12, 2013@18:51:38 DEMO, USER 3 64 AUG 12, 2013@18:51:38 DEMO, USER 3 72 AUG 12, 2013@18:51:38 DEMO, USER 3 74 AUG 12, 2013@18:51:38 DEMO, USER 3 71 AUG 12, 2013@18:51:38 DEMO, USER 3 79 AUG 12, 2013@18:51:39 DEMO, USER 3 79 AUG 12, 2013@18:51:39 DEMO, USER 3 75 AUG 12, 2013@18:51:39 DEMO, USER 3 75 AUG 12, 2013@18:51:39 DEMO, USER 3			
45 AUG 12, 2013@18:51:36 DEMO,USER 3 60 AUG 12, 2013@18:51:36 DEMO,USER 3 59 AUG 12, 2013@18:51:36 DEMO,USER 3 41 AUG 12, 2013@18:51:36 DEMO,USER 3 63 AUG 12, 2013@18:51:36 DEMO,USER 3 62 AUG 12, 2013@18:51:36 DEMO,USER 3 66 AUG 12, 2013@18:51:36 DEMO,USER 3 67 AUG 12, 2013@18:51:36 DEMO,USER 3 68 AUG 12, 2013@18:51:36 DEMO,USER 3 69 AUG 12, 2013@18:51:36 DEMO,USER 3 60 AUG 12, 2013@18:51:36 DEMO,USER 3 61 AUG 12, 2013@18:51:38 DEMO,USER 3 62 AUG 12, 2013@18:51:38 DEMO,USER 3 63 AUG 12, 2013@18:51:38 DEMO,USER 3 64 AUG 12, 2013@18:51:38 DEMO,USER 3 65 AUG 12, 2013@18:51:38 DEMO,USER 3 66 AUG 12, 2013@18:51:38 DEMO,USER 3 67 AUG 12, 2013@18:51:38 DEMO,USER 3 68 AUG 12, 2013@18:51:38 DEMO,USER 3 69 AUG 12, 2013@18:51:38 DEMO,USER 3 60 AUG 12, 2013@18:51:38 DEMO,USER 3 61 AUG 12, 2013@18:51:38 DEMO,USER 3 62 AUG 12, 2013@18:51:39 DEMO,USER 3 63 AUG 12, 2013@18:51:39 DEMO,USER 3 64 AUG 12, 2013@18:51:39 DEMO,USER 3 65 AUG 12, 2013@18:51:39 DEMO,USER 3 66 AUG 12, 2013@18:51:39 DEMO,USER 3 67 AUG 12, 2013@18:51:39 DEMO,USER 3 68 AUG 12, 2013@18:51:39 DEMO,USER 3 69 AUG 12, 2013@18:51:39 DEMO,USER 3 60 AUG 12, 2013@18:51:39 DEMO,USER 3 61 AUG 12, 2013@18:51:39 DEMO,USER 3			·
AUG 12, 2013@18:51:36 DEMO,USER 3 41 AUG 12, 2013@18:51:36 DEMO,USER 3 41 AUG 12, 2013@18:51:36 DEMO,USER 3 63 AUG 12, 2013@18:51:36 DEMO,USER 3 64 AUG 12, 2013@18:51:36 DEMO,USER 3 66 AUG 12, 2013@18:51:36 DEMO,USER 3 67 AUG 12, 2013@18:51:36 DEMO,USER 3 68 AUG 12, 2013@18:51:36 DEMO,USER 3 69 AUG 12, 2013@18:51:36 DEMO,USER 3 68 AUG 12, 2013@18:51:36 DEMO,USER 3 69 AUG 12, 2013@18:51:36 DEMO,USER 3 60 AUG 12, 2013@18:51:38 DEMO,USER 3 61 AUG 12, 2013@18:51:38 DEMO,USER 3 62 AUG 12, 2013@18:51:38 DEMO,USER 3 63 AUG 12, 2013@18:51:38 DEMO,USER 3 64 AUG 12, 2013@18:51:38 DEMO,USER 3 65 AUG 12, 2013@18:51:38 DEMO,USER 3 66 AUG 12, 2013@18:51:38 DEMO,USER 3 67 AUG 12, 2013@18:51:38 DEMO,USER 3 68 AUG 12, 2013@18:51:38 DEMO,USER 3 69 AUG 12, 2013@18:51:39 DEMO,USER 3 60 AUG 12, 2013@18:51:39 DEMO,USER 3 61 AUG 12, 2013@18:51:39 DEMO,USER 3 62 AUG 12, 2013@18:51:39 DEMO,USER 3 63 AUG 12, 2013@18:51:39 DEMO,USER 3 64 AUG 12, 2013@18:51:39 DEMO,USER 3 65 AUG 12, 2013@18:51:39 DEMO,USER 3 66 AUG 12, 2013@18:51:39 DEMO,USER 3 67 AUG 12, 2013@18:51:39 DEMO,USER 3 68 AUG 12, 2013@18:51:39 DEMO,USER 3 69 AUG 12, 2013@18:51:39 DEMO,USER 3 60 AUG 12, 2013@18:51:39 DEMO,USER 3 60 AUG 12, 2013@18:51:39 DEMO,USER 3 61 AUG 12, 2013@18:51:39 DEMO,USER 3	54	AUG 12, 2013@18:51:35	DEMO, USER 3
59 AUG 12, 2013@18:51:36 DEMO, USER 3 41 AUG 12, 2013@18:51:36 DEMO, USER 3 63 AUG 12, 2013@18:51:36 DEMO, USER 3 62 AUG 12, 2013@18:51:36 DEMO, USER 3 66 AUG 12, 2013@18:51:36 DEMO, USER 3 57 AUG 12, 2013@18:51:36 DEMO, USER 3 69 AUG 12, 2013@18:51:36 DEMO, USER 3 68 AUG 12, 2013@18:51:38 DEMO, USER 3 67 AUG 12, 2013@18:51:38 DEMO, USER 3 64 AUG 12, 2013@18:51:38 DEMO, USER 3 72 AUG 12, 2013@18:51:38 DEMO, USER 3 76 AUG 12, 2013@18:51:38 DEMO, USER 3 71 AUG 12, 2013@18:51:38 DEMO, USER 3 74 AUG 12, 2013@18:51:38 DEMO, USER 3 79 AUG 12, 2013@18:51:39 DEMO, USER 3 77 AUG 12, 2013@18:51:39 DEMO, USER 3 75 AUG 12, 2013@18:51:39 DEMO, USER 3 81 AUG 12, 2013@18:51:39 DEMO, USER 3 80 AUG 12, 2013@18:51:39 DEMO, USER 3	45	AUG 12, 2013@18:51:36	DEMO, USER 3
59 AUG 12, 2013@18:51:36 DEMO, USER 3 41 AUG 12, 2013@18:51:36 DEMO, USER 3 63 AUG 12, 2013@18:51:36 DEMO, USER 3 62 AUG 12, 2013@18:51:36 DEMO, USER 3 66 AUG 12, 2013@18:51:36 DEMO, USER 3 57 AUG 12, 2013@18:51:36 DEMO, USER 3 69 AUG 12, 2013@18:51:36 DEMO, USER 3 68 AUG 12, 2013@18:51:38 DEMO, USER 3 67 AUG 12, 2013@18:51:38 DEMO, USER 3 64 AUG 12, 2013@18:51:38 DEMO, USER 3 72 AUG 12, 2013@18:51:38 DEMO, USER 3 76 AUG 12, 2013@18:51:38 DEMO, USER 3 71 AUG 12, 2013@18:51:38 DEMO, USER 3 74 AUG 12, 2013@18:51:38 DEMO, USER 3 79 AUG 12, 2013@18:51:39 DEMO, USER 3 77 AUG 12, 2013@18:51:39 DEMO, USER 3 75 AUG 12, 2013@18:51:39 DEMO, USER 3 81 AUG 12, 2013@18:51:39 DEMO, USER 3 80 AUG 12, 2013@18:51:39 DEMO, USER 3	60	AUG 12, 2013@18:51:36	DEMO, USER 3
41 AUG 12, 2013@18:51:36 DEMO,USER 3 63 AUG 12, 2013@18:51:36 DEMO,USER 3 62 AUG 12, 2013@18:51:36 DEMO,USER 3 66 AUG 12, 2013@18:51:36 DEMO,USER 3 67 AUG 12, 2013@18:51:36 DEMO,USER 3 68 AUG 12, 2013@18:51:36 DEMO,USER 3 69 AUG 12, 2013@18:51:36 DEMO,USER 3 60 AUG 12, 2013@18:51:36 DEMO,USER 3 61 AUG 12, 2013@18:51:38 DEMO,USER 3 62 AUG 12, 2013@18:51:38 DEMO,USER 3 63 AUG 12, 2013@18:51:38 DEMO,USER 3 64 AUG 12, 2013@18:51:38 DEMO,USER 3 65 AUG 12, 2013@18:51:38 DEMO,USER 3 66 AUG 12, 2013@18:51:38 DEMO,USER 3 67 AUG 12, 2013@18:51:38 DEMO,USER 3 68 AUG 12, 2013@18:51:38 DEMO,USER 3 69 AUG 12, 2013@18:51:38 DEMO,USER 3 60 AUG 12, 2013@18:51:39 DEMO,USER 3 61 AUG 12, 2013@18:51:39 DEMO,USER 3 62 AUG 12, 2013@18:51:39 DEMO,USER 3 63 AUG 12, 2013@18:51:39 DEMO,USER 3 64 AUG 12, 2013@18:51:39 DEMO,USER 3 65 AUG 12, 2013@18:51:39 DEMO,USER 3 66 AUG 12, 2013@18:51:39 DEMO,USER 3 67 AUG 12, 2013@18:51:39 DEMO,USER 3 68 AUG 12, 2013@18:51:39 DEMO,USER 3 69 AUG 12, 2013@18:51:39 DEMO,USER 3 60 AUG 12, 2013@18:51:39 DEMO,USER 3 61 AUG 12, 2013@18:51:39 DEMO,USER 3 61 AUG 12, 2013@18:51:39 DEMO,USER 3 62 AUG 12, 2013@18:51:39 DEMO,USER 3 63 AUG 12, 2013@18:51:39 DEMO,USER 3 64 AUG 12, 2013@18:51:39 DEMO,USER 3 65 AUG 12, 2013@18:51:39 DEMO,USER 3 66 AUG 12, 2013@18:51:39 DEMO,USER 3 67 AUG 12, 2013@18:51:39 DEMO,USER 3 68 AUG 12, 2013@18:51:39 DEMO,USER 3 69 AUG 12, 2013@18:51:39 DEMO,USER 3 60 AUG 12, 2013@18:51:39 DEMO,USER 3 60 AUG 12, 2013@18:51:39 DEMO,USER 3 60 AUG 12, 2013@18:51:39 DEMO,USER 3	59	AUG 12. 2013@18:51:36	DEMO.USER 3
AUG 12, 2013@18:51:36 DEMO,USER 3 62 AUG 12, 2013@18:51:36 DEMO,USER 3 66 AUG 12, 2013@18:51:36 DEMO,USER 3 57 AUG 12, 2013@18:51:36 DEMO,USER 3 69 AUG 12, 2013@18:51:36 DEMO,USER 3 68 AUG 12, 2013@18:51:36 DEMO,USER 3 67 AUG 12, 2013@18:51:38 DEMO,USER 3 64 AUG 12, 2013@18:51:38 DEMO,USER 3 72 AUG 12, 2013@18:51:38 DEMO,USER 3 74 AUG 12, 2013@18:51:38 DEMO,USER 3 75 AUG 12, 2013@18:51:38 DEMO,USER 3 76 AUG 12, 2013@18:51:38 DEMO,USER 3 77 AUG 12, 2013@18:51:38 DEMO,USER 3 78 AUG 12, 2013@18:51:38 DEMO,USER 3 79 AUG 12, 2013@18:51:38 DEMO,USER 3 79 AUG 12, 2013@18:51:38 DEMO,USER 3 77 AUG 12, 2013@18:51:39 DEMO,USER 3 77 AUG 12, 2013@18:51:39 DEMO,USER 3 78 AUG 12, 2013@18:51:39 DEMO,USER 3 79 AUG 12, 2013@18:51:39 DEMO,USER 3 81 AUG 12, 2013@18:51:39 DEMO,USER 3 81 AUG 12, 2013@18:51:39 DEMO,USER 3 82 AUG 12, 2013@18:51:39 DEMO,USER 3 83 AUG 12, 2013@18:51:39 DEMO,USER 3 84 AUG 12, 2013@18:51:39 DEMO,USER 3 85 AUG 12, 2013@18:51:39 DEMO,USER 3 86 AUG 12, 2013@18:51:39 DEMO,USER 3 87 DEMO,USER 3 88 DEMO,USER 3 89 DEMO,USER 3 80 DEMO,USER 3			
AUG 12, 2013@18:51:36 DEMO,USER 3 AUG 12, 2013@18:51:36 DEMO,USER 3 57 AUG 12, 2013@18:51:36 DEMO,USER 3 69 AUG 12, 2013@18:51:36 DEMO,USER 3 68 AUG 12, 2013@18:51:36 DEMO,USER 3 67 AUG 12, 2013@18:51:38 DEMO,USER 3 64 AUG 12, 2013@18:51:38 DEMO,USER 3 72 AUG 12, 2013@18:51:38 DEMO,USER 3 49 AUG 12, 2013@18:51:38 DEMO,USER 3 76 AUG 12, 2013@18:51:38 DEMO,USER 3 77 AUG 12, 2013@18:51:38 DEMO,USER 3 78 AUG 12, 2013@18:51:38 DEMO,USER 3 79 AUG 12, 2013@18:51:38 DEMO,USER 3 79 AUG 12, 2013@18:51:39 DEMO,USER 3 77 AUG 12, 2013@18:51:39 DEMO,USER 3 78 AUG 12, 2013@18:51:39 DEMO,USER 3 79 AUG 12, 2013@18:51:39 DEMO,USER 3 80 AUG 12, 2013@18:51:39 DEMO,USER 3 81 AUG 12, 2013@18:51:39 DEMO,USER 3 82 AUG 12, 2013@18:51:39 DEMO,USER 3 83 AUG 12, 2013@18:51:39 DEMO,USER 3 84 AUG 12, 2013@18:51:39 DEMO,USER 3 85 AUG 12, 2013@18:51:39 DEMO,USER 3 86 AUG 12, 2013@18:51:39 DEMO,USER 3 87 DEMO,USER 3 88 DEMO,USER 3 89 DEMO,USER 3 80 DEMO,USER 3 80 DEMO,USER 3			
AUG 12, 2013@18:51:36 DEMO,USER 3 AUG 12, 2013@18:51:38 DEMO,USER 3 AUG 12, 2013@18:51:39 DEMO,USER 3			
57 AUG 12, 2013@18:51:36 DEMO,USER 3 69 AUG 12, 2013@18:51:36 DEMO,USER 3 68 AUG 12, 2013@18:51:36 DEMO,USER 3 67 AUG 12, 2013@18:51:38 DEMO,USER 3 64 AUG 12, 2013@18:51:38 DEMO,USER 3 72 AUG 12, 2013@18:51:38 DEMO,USER 3 49 AUG 12, 2013@18:51:38 DEMO,USER 3 76 AUG 12, 2013@18:51:38 DEMO,USER 3 77 AUG 12, 2013@18:51:38 DEMO,USER 3 78 AUG 12, 2013@18:51:38 DEMO,USER 3 79 AUG 12, 2013@18:51:38 DEMO,USER 3 79 AUG 12, 2013@18:51:38 DEMO,USER 3 79 AUG 12, 2013@18:51:39 DEMO,USER 3 77 AUG 12, 2013@18:51:39 DEMO,USER 3 78 AUG 12, 2013@18:51:39 DEMO,USER 3 79 AUG 12, 2013@18:51:39 DEMO,USER 3 80 AUG 12, 2013@18:51:39 DEMO,USER 3 81 AUG 12, 2013@18:51:39 DEMO,USER 3 82 AUG 12, 2013@18:51:39 DEMO,USER 3 83 AUG 12, 2013@18:51:39 DEMO,USER 3 84 AUG 12, 2013@18:51:39 DEMO,USER 3 85 AUG 12, 2013@18:51:39 DEMO,USER 3 86 AUG 12, 2013@18:51:39 DEMO,USER 3 87 DEMO,USER 3 88 DEMO,USER 3 89 DEMO,USER 3 89 DEMO,USER 3 89 DEMO,USER 3	62		·
AUG 12, 2013@18:51:36 DEMO,USER 3 AUG 12, 2013@18:51:36 DEMO,USER 3 AUG 12, 2013@18:51:38 DEMO,USER 3 AUG 12, 2013@18:51:39 DEMO,USER 3			
AUG 12, 2013@18:51:36 DEMO,USER 3 AUG 12, 2013@18:51:38 DEMO,USER 3 AUG 12, 2013@18:51:39 DEMO,USER 3	57	AUG 12, 2013@18:51:36	DEMO, USER 3
AUG 12, 2013@18:51:36 DEMO,USER 3 AUG 12, 2013@18:51:38 DEMO,USER 3 AUG 12, 2013@18:51:39 DEMO,USER 3	69	AUG 12, 2013@18:51:36	DEMO, USER 3
67 AUG 12, 2013@18:51:38 DEMO,USER 3 64 AUG 12, 2013@18:51:38 DEMO,USER 3 72 AUG 12, 2013@18:51:38 DEMO,USER 3 49 AUG 12, 2013@18:51:38 DEMO,USER 3 76 AUG 12, 2013@18:51:38 DEMO,USER 3 71 AUG 12, 2013@18:51:38 DEMO,USER 3 74 AUG 12, 2013@18:51:38 DEMO,USER 3 79 AUG 12, 2013@18:51:38 DEMO,USER 3 79 AUG 12, 2013@18:51:39 DEMO,USER 3 82 AUG 12, 2013@18:51:39 DEMO,USER 3 77 AUG 12, 2013@18:51:39 DEMO,USER 3 78 AUG 12, 2013@18:51:39 DEMO,USER 3 81 AUG 12, 2013@18:51:39 DEMO,USER 3 82 AUG 12, 2013@18:51:39 DEMO,USER 3 83 AUG 12, 2013@18:51:39 DEMO,USER 3 84 AUG 12, 2013@18:51:39 DEMO,USER 3 85 AUG 12, 2013@18:51:39 DEMO,USER 3 86 AUG 12, 2013@18:51:39 DEMO,USER 3			·
AUG 12, 2013@18:51:38 DEMO,USER 3 AUG 12, 2013@18:51:39 DEMO,USER 3		•	
72 AUG 12, 2013@18:51:38 DEMO,USER 3 49 AUG 12, 2013@18:51:38 DEMO,USER 3 76 AUG 12, 2013@18:51:38 DEMO,USER 3 71 AUG 12, 2013@18:51:38 DEMO,USER 3 74 AUG 12, 2013@18:51:38 DEMO,USER 3 79 AUG 12, 2013@18:51:39 DEMO,USER 3 82 AUG 12, 2013@18:51:39 DEMO,USER 3 77 AUG 12, 2013@18:51:39 DEMO,USER 3 75 AUG 12, 2013@18:51:39 DEMO,USER 3 81 AUG 12, 2013@18:51:39 DEMO,USER 3 83 AUG 12, 2013@18:51:39 DEMO,USER 3 80 AUG 12, 2013@18:51:39 DEMO,USER 3			·
49 AUG 12, 2013@18:51:38 DEMO,USER 3 76 AUG 12, 2013@18:51:38 DEMO,USER 3 71 AUG 12, 2013@18:51:38 DEMO,USER 3 74 AUG 12, 2013@18:51:38 DEMO,USER 3 79 AUG 12, 2013@18:51:39 DEMO,USER 3 82 AUG 12, 2013@18:51:39 DEMO,USER 3 77 AUG 12, 2013@18:51:39 DEMO,USER 3 75 AUG 12, 2013@18:51:39 DEMO,USER 3 81 AUG 12, 2013@18:51:39 DEMO,USER 3 83 AUG 12, 2013@18:51:39 DEMO,USER 3 84 AUG 12, 2013@18:51:39 DEMO,USER 3 85 AUG 12, 2013@18:51:39 DEMO,USER 3 86 AUG 12, 2013@18:51:39 DEMO,USER 3			•
76 AUG 12, 2013@18:51:38 DEMO,USER 3 71 AUG 12, 2013@18:51:38 DEMO,USER 3 74 AUG 12, 2013@18:51:38 DEMO,USER 3 79 AUG 12, 2013@18:51:39 DEMO,USER 3 82 AUG 12, 2013@18:51:39 DEMO,USER 3 77 AUG 12, 2013@18:51:39 DEMO,USER 3 75 AUG 12, 2013@18:51:39 DEMO,USER 3 81 AUG 12, 2013@18:51:39 DEMO,USER 3 83 AUG 12, 2013@18:51:39 DEMO,USER 3 84 AUG 12, 2013@18:51:39 DEMO,USER 3 85 AUG 12, 2013@18:51:39 DEMO,USER 3 86 AUG 12, 2013@18:51:39 DEMO,USER 3			
71 AUG 12, 2013@18:51:38 DEMO,USER 3 74 AUG 12, 2013@18:51:38 DEMO,USER 3 79 AUG 12, 2013@18:51:39 DEMO,USER 3 82 AUG 12, 2013@18:51:39 DEMO,USER 3 77 AUG 12, 2013@18:51:39 DEMO,USER 3 75 AUG 12, 2013@18:51:39 DEMO,USER 3 81 AUG 12, 2013@18:51:39 DEMO,USER 3 83 AUG 12, 2013@18:51:39 DEMO,USER 3 84 AUG 12, 2013@18:51:39 DEMO,USER 3 85 AUG 12, 2013@18:51:39 DEMO,USER 3 86 AUG 12, 2013@18:51:39 DEMO,USER 3	49		DEMO, USER 3
71 AUG 12, 2013@18:51:38 DEMO,USER 3 74 AUG 12, 2013@18:51:38 DEMO,USER 3 79 AUG 12, 2013@18:51:39 DEMO,USER 3 82 AUG 12, 2013@18:51:39 DEMO,USER 3 77 AUG 12, 2013@18:51:39 DEMO,USER 3 75 AUG 12, 2013@18:51:39 DEMO,USER 3 81 AUG 12, 2013@18:51:39 DEMO,USER 3 83 AUG 12, 2013@18:51:39 DEMO,USER 3 84 AUG 12, 2013@18:51:39 DEMO,USER 3 85 AUG 12, 2013@18:51:39 DEMO,USER 3 86 AUG 12, 2013@18:51:39 DEMO,USER 3	76	AUG 12, 2013@18:51:38	DEMO, USER 3
74 AUG 12, 2013@18:51:38 DEMO,USER 3 79 AUG 12, 2013@18:51:39 DEMO,USER 3 82 AUG 12, 2013@18:51:39 DEMO,USER 3 77 AUG 12, 2013@18:51:39 DEMO,USER 3 75 AUG 12, 2013@18:51:39 DEMO,USER 3 81 AUG 12, 2013@18:51:39 DEMO,USER 3 83 AUG 12, 2013@18:51:39 DEMO,USER 3 80 AUG 12, 2013@18:51:39 DEMO,USER 3	71		
79 AUG 12, 2013@18:51:39 DEMO,USER 3 82 AUG 12, 2013@18:51:39 DEMO,USER 3 77 AUG 12, 2013@18:51:39 DEMO,USER 3 75 AUG 12, 2013@18:51:39 DEMO,USER 3 81 AUG 12, 2013@18:51:39 DEMO,USER 3 83 AUG 12, 2013@18:51:39 DEMO,USER 3 80 AUG 12, 2013@18:51:39 DEMO,USER 3			·
82 AUG 12, 2013@18:51:39 DEMO,USER 3 77 AUG 12, 2013@18:51:39 DEMO,USER 3 75 AUG 12, 2013@18:51:39 DEMO,USER 3 81 AUG 12, 2013@18:51:39 DEMO,USER 3 83 AUG 12, 2013@18:51:39 DEMO,USER 3 80 AUG 12, 2013@18:51:39 DEMO,USER 3			•
77 AUG 12, 2013@18:51:39 DEMO,USER 3 75 AUG 12, 2013@18:51:39 DEMO,USER 3 81 AUG 12, 2013@18:51:39 DEMO,USER 3 83 AUG 12, 2013@18:51:39 DEMO,USER 3 80 AUG 12, 2013@18:51:39 DEMO,USER 3			
75 AUG 12, 2013@18:51:39 DEMO,USER 3 81 AUG 12, 2013@18:51:39 DEMO,USER 3 83 AUG 12, 2013@18:51:39 DEMO,USER 3 80 AUG 12, 2013@18:51:39 DEMO,USER 3			
81 AUG 12, 2013@18:51:39 DEMO,USER 3 83 AUG 12, 2013@18:51:39 DEMO,USER 3 80 AUG 12, 2013@18:51:39 DEMO,USER 3			DEMO, USER 3
83 AUG 12, 2013@18:51:39 DEMO,USER 3 80 AUG 12, 2013@18:51:39 DEMO,USER 3	75	AUG 12, 2013@18:51:39	DEMO, USER 3
83 AUG 12, 2013@18:51:39 DEMO,USER 3 80 AUG 12, 2013@18:51:39 DEMO,USER 3	81	AUG 12, 2013@18:51:39	DEMO, USER 3
80 AUG 12, 2013@18:51:39 DEMO,USER 3		•	·
00 A00 12, 2010@10.01.09 DEMO,USER 3			
	03	AUG 12, 2013@10.31.39	DEMO, OBER J

87	AUG	12,	2013@18:51:39	DEMO, USER	3
86	AUG	12,	2013@18:51:39	DEMO, USER	3
84			2013@18:51:40	DEMO, USER	3
92	AUG	12,	2013@18:51:40	DEMO, USER	3
56	AUG	12,	2013@18:51:40	DEMO, USER	3
65	AUG	12,	2013@18:51:40	DEMO, USER	3
91	AUG	12,	2013@18:51:40	DEMO, USER	3
98	AUG	12,	2013@18:51:40	DEMO, USER	3
70	AUG	12,	2013@18:51:40	DEMO, USER	3
96	AUG	12,	2013@18:51:40	DEMO, USER	3
95	AUG	12,	2013@18:51:40	DEMO, USER	3
93	AUG	12,	2013@18:51:41	DEMO, USER	3
97	AUG	12,	2013@18:51:41	DEMO, USER	3
94	AUG	12,	2013@18:51:53	DEMO, USER	3
99			2013@18:51:53	DEMO, USER	3
100	AUG	12,	2013@18:51:53	DEMO, USER	3
90	AUG	12,	2013@18:51:55	DEMO, USER	3
104			2013@18:54:25	DEMO, USER	3
47			2013@18:54:26	DEMO, USER	3
1006	MAY	14,	2018@14:54:10	DEMO, USER	4
105			2018@15:57:11	DEMO, USER	4
101	JUN	12,	2018@15:57:11	DEMO, USER	4
106	JUN	12,	2018@15:57:11	DEMO, USER	4
103			2018@15:57:11	DEMO, USER	4
108			2018@15:57:12	DEMO, USER	4
107			2018@15:57:12	DEMO, USER	4
111	JUN	12,	2018@15:57:12	DEMO, USER	4
112			2018@15:57:12	DEMO, USER	4
115			2018@15:57:13	DEMO, USER	4
114	JUN	12,	2018@15:57:13	DEMO, USER	4
110	JUN	12,	2018@15:57:13	DEMO, USER	4
116	JUN	12,	2018@15:57:13	DEMO, USER	4
117			2018@15:57:14	DEMO, USER	4
122			2018@15:57:14	DEMO, USER	4
121			2018@15:57:14	DEMO, USER	4
123			2018@15:57:14	DEMO, USER	4
126	JUN	12,	2018@15:57:15	DEMO, USER	4
125	JUN	12,	2018@15:57:15	DEMO, USER	4
1008	SEP	02,	2020@09:51:19	DEMO, USER	5
				•	

Figure 2-1: Installation History for Radiology

Next, check to be sure that the IHS modifications released in BRA patches have been installed by following the same menu path. You should have BRA patches 1003 and 1007 as shown in Figure 2-2.

```
PACKAGE: IHS MODS TO VA RADIOLOGY Sep 10, 2020 9:48 am PAGE 1
PATCH # INSTALLED BY

VERSION: 5.0

1003 MAY 14, 2018@14:23:13 DEMO,USER 4
1007 JUN 12, 2018@15:57:44 DEMO,USER 4
```

Figure 2-2: Displaying patch levels for IHS Radiology patches

You may note that BRA patch 1004 is not listed. You may choose the **Install File Print** option to confirm that patch has been installed as shown below.

```
Build File Print
        Install File Print
        Convert Loaded Package for Redistribution
        Display Patches for a Package
        Purge Build or Install Files
        Rollup Patches into a Build
        Update Routine File
        Verify a Build
        Verify Package Integrity
Select Utilities Option: INStall File Print
Select INSTALL NAME: BRA
   1 BRA*5.0*1003 Install Completed Install Completed
8/12/13@18:
    => BRA 5.0 Patch 1003 ;Created on Oct 19, 2011@21:38:26
   2 BRA*5.0*1004 Install Completed Install Completed
8/12/13@18:
55:17
   => IHS Mods to VA Radiology Patch 1004 ;Created on Jun 01,
2012@11:03:13
CHOOSE 1-2: 2 BRA*5.0*1004 Install Completed Install Completed
8/12/13
@18:55:17
   => IHS Mods to VA Radiology Patch 1004 ; Created on Jun 01,
2012@11:03:13
DEVICE: HOME// VIRTUAL TERMINAL
PACKAGE: BRA*5.0*1004 Dec 23, 2013 8:03 am
                                                              PAGE
                                    COMPLETED ELAPSED
_____
                          DATE LOADED: AUG 12,
STATUS: Install Completed
2013@18:55:02
INSTALLED BY: DEMO, USER 3
NATIONAL PACKAGE:
INSTALL STARTED: AUG 12, 2013@18:55:17 18:55:17
ROUTINES:
                                       18:55:17
INPUT TEMPLATE
                                        18:55:17
INSTALL QUESTION PROMPT
ANSWER
XPI1 Want KIDS to INHIBIT LOGONs during the install
XPZ1 Want to DISABLE Scheduled Options, Menu Options, and Protocols NO
MESSAGES:
```

Figure 2-3: Install File Print for Radiology

3.0 Menus

The RA OVERALL or Main Radiology Menu is distributed as follows. Users with the RA OVERALL key will see the following menu options.

```
Welcome, you are signed on with the following parameters:
                                   Printer Defaults
Version : 5.0
 Division : DEMO INDIAN HOSPITAL Flash Card : None
Location: RADIOLOGY No column. Type: GENERAL RADIOLOGY Jacket Label: None
Location : RADIOLOGY
                                                 No cards
User : DEMO, USER 3
                                   Report
                                              : None
         Exam Entry/Edit Menu ...
         Films Reporting Menu ...
         Management Reports Menu ...
          Outside Films Registry Menu ...
          Patient Profile Menu ...
          Radiology/Nuclear Med Order Entry Menu ...
          Supervisor Menu ...
          Switch Locations
          Update Patient Record
          User Utility Menu ...
```

Figure 3-1: Radiology/Nuclear Medicine Main Menu

It is highly recommended that the **RA SITEMANAGER** menu option from the **IRM Menu**, which is locked with the RA MGR key be added to the menu. The addition of this menu option allows access to the **Device Specifications for Imaging Locations** menu option, which can be used to define where Radiology requisitions are automatically printed. Note that you cannot define the Device Specifications until the Radiology Imaging Locations are defined.

```
IRM Menu ...

Exam Entry/Edit Menu ...

Films Reporting Menu ...

Management Reports Menu ...

Outside Films Registry Menu ...

Patient Profile Menu ...

Radiology/Nuclear Med Order Entry Menu ...

Supervisor Menu ...

Switch Locations

Update Patient Record

User Utility Menu ...
```

Figure 3-2: Radiology Menu with IRM Menu attached

3.1 Device Specification for Imaging Locations

Within the menu option for assigning default printer devices, the Radiology Supervisor or Manager can set default Printer Assignments. These are the default flash card/exam label, jacket label, request, request cancellation, radiopharmaceutical dosage ticket, and report printers. Once these printer names have been assigned to an Imaging Location, the module will automatically route output to the appropriate printer without having to ask the user.

Figure 3-3: Setting Device Specification for Request Printer

Note: If you have more than one imaging location within an imaging type, the **Ask Imaging Location** Division parameter must be set to YES to print cancelled requests on the request cancellation printer.

Most IHS facilities no longer print exam labels, flash cards, or reports. Therefore, no default printer should be specified for these types of output and when setting up division parameters, the fields for **Print Jacket Labels**, **Flash Cards**, **Exam Labels**, etc., should all be set to **NO**.

4.0 Ordering Providers for Radiology

In order for a provider to be entered as an ordering provider in Radiology, they must have three attributes:

- 1. They must have the provider key. (Be sure they were set up as a provider in RPMS using the Add/Edit Provider option.)
- 2. They must be authorized to write Med orders (also indicated in the Add/Edit Provider option).
- 3. They must have an active RPMS access and verify code.

A decision must be made at each site on how best to handle orders from outside providers. While outside providers may never access EHR nor the RPMS system, it is highly recommended that they be set up just like any other provider so that they may be identified as the individual requesting the exam. Note that an outside provider may not place an order in EHR so the only way that provider may be identified as being the requesting provider is to use the "back door" option in RPMS to Request an exam.

5.0 Security Keys

RA OVERALL

This is the key to the main **Radiology** menu and should be given to all Radiology staff.

RA VERIFY

This key allows users to verify reports. The key must be given to any staff who will be entering or verifying reports for outside radiologists. Any staff who will be verifying reports will also need to have a valid Electronic Signature Code.

RA MGR

This key gives user access to supervisor-type functions. Those functions are the following:

- Editing completed exams
- Adding an exam to a visit that is older than yesterday
- During execution of the status tracking function the user will be shown all non-completed exams, not just those associated with the user's current division.
- Updating the exam status of an exam that is complete
- Deleting exams
- Deleting reports
- Unverifying reports

RA ALLOC

The RA ALLOC key would normally be reserved for the Radiology Supervisor, Manager or those who work with multiple imaging locations and/or divisions. This key overrides location access security entered for each Radiology/Nuclear Medicine user through Personnel Classification. Owners of the RA ALLOC have expanded access to Imaging Locations, Imaging Types, and Divisions.

In the case of most workload reports, this means they will be able to select from a list of all Divisions and Imaging types to include on the report.

In the case of various edit and ordering functions, it means they will be able to select from all locations within the Imaging Type to which they are currently signed on through the "Select sign-on location:" prompt.

6.0 FileMan Access

As a general rule, ensure that each member of the Radiology staff has been assigned RrM as FileMan Access codes. They may have other codes as well because of other duties, but this code assignment will ensure that they can perform their Radiology functions without issue.

```
NAME: STUDENT, ONE
                                                               Page 1 of 5
  NAME... STUDENT, ONE
                                                      INITIAL: STU01
   TITLE: RADIOLOGY TECHNOLOGIST
                                                    NICK NAME:
     SSN: XXXXXX0001
                                                         DOB:
  DEGREE:
                                                    MAIL CODE:
  DISUSER:
                                              TERMINATION DATE:
  Termination Reason:
          PRIMARY MENU OPTION: CMI TRAINING
Select SECONDARY MENU OPTIONS:
Want to edit ACCESS CODE (Y/N): FILE MANAGER ACCESS CODE: RrM
Want to edit VERIFY CODE (Y/N):
              Select DIVISION: DEMO INDIAN HOSPITAL
              SERVICE/SECTION: MEDICAL
        Save
Exit
                Next Page Refresh
Enter a command or '^' followed by a caption to jump to a specific field.
COMMAND:
                                            Press <PF1>H for help
                                                                    Insert
```

Figure 6-1: Assigning FileMan access for Radiology staff

7.0 Radiology Supervisor's Menu

After the external menus, security keys, and user management set up has been completed, the rest of the Radiology setup may be accomplished from the Radiology/Nuclear Medicine Supervisor's Menu. A diagram of that menu structure is shown in Figure 7-1 on the following page.

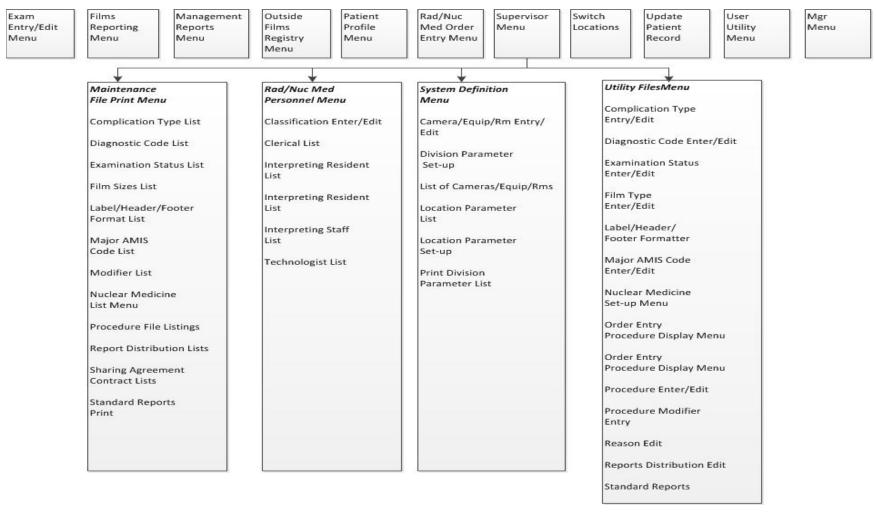


Figure 7-1: Supervisor Menu Overview diagram

7.1 Radiology Package Users

Upon entering a Radiology/Nuclear Medicine menu, the user is prompted to select a Sign-On Imaging Location. The set of locations the user is privileged to access is controlled by the radiology supervisor or IRM through the Classification Enter/Edit option. Most options are screened by a combination of imaging type, division, and location.

Besides being set up as Providers in RPMS using the **Add/Edit Provider** option, users of the Radiology package require additional setup which determines the functions and imaging types they will be allowed to use.

The Rad/Nuc Med Classification Menu may be accessed as follows:

```
RAD Rad/Nuc Med Total System Menu ...
Supervisor Menu ...
Rad/Nuc Med Personnel Menu ...
```

Figure 7-2: Radiology/Nuclear Medicine Personnel Menu

The Classification Enter/Edit menu option may be used to identify the functions and imaging locations allowed for each member of the Radiology staff, while the other four options in the Rad/Nuc Med Classification Menu may be used to list the staff who fall under the classification of Clerk, Resident, Staff, or Technologist.

```
Classification
Enter/Edit Clerical List
Interpreting Resident List
Interpreting Staff List
Technologist List
```

Figure 7-3: Radiology Personnel Classification

When assigning classifications to staff, the following general guidelines may be used:

- Clerk Assigned to an individual who performs clerical entry in the Radiology/Nuclear Medicine Package. They cannot be listed as a technologist when editing an exam.
- **Technologist** Assigned to all Radiology staff who perform exams.
- **Resident** Not normally used in IHS refers to a Radiology Resident.
- Staff Reserved for interpreting Radiologists or those who will need to verify reports for interpreting Radiologist.

The setup for a typical Technologist is shown below.

Note: This would be a typical setup for a technologist at a site where reports are read by an outside Radiologist and may need to be edited or verified by a member of the Radiology staff.

If the Technologist in the example below had the RA ALLOC key, he/she would not have required identification of the RAD/NUC MED LOCATION ACCESS. And if he/she actually had responsibility for several imaging types, e.g., CT SCAN, MAMMOGRAPHY, and ULTRASOUND in addition to RADIOLOGY, and *did not* have the RA ALLOC key, then the additional Locations would have had to be added to this classification profile.

```
XRA > Supervisor Menu > Rad/Nuc Med Personnel Menu > Classification Enter/Edit
Select Rad/Nuc Med Personnel Menu Option: CLASSification Enter/Edit
Select Personnel: DEMO, USER 3 K
Select RAD/NUC MED CLASSIFICATION: t (T technologist)
 Are you adding 'technologist' as
   a new RAD/NUC MED CLASSIFICATION (the 1ST for this NEW PERSON)? No// Y
Select RAD/NUC MED CLASSIFICATION: c (C clerk)
 Are you adding 'clerk' as a new RAD/NUC MED CLASSIFICATION (the 2ND for this N
EW PERSON)? No// Y (Yes)
Select RAD/NUC MED CLASSIFICATION: s (S
                                         staff)
 Are you adding 'staff' as a new RAD/NUC MED CLASSIFICATION (the 3RD for this N
EW PERSON)? No// Y (Yes)
Select RAD/NUC MED CLASSIFICATION:
Select RAD/NUC MED LOCATION ACCESS: POTEAU IM// ?
   Answer with RAD/NUC MED LOCATION ACCESS
  Choose from:
  MEDICAL IMAGING
  POTEAU IM
  MCALESTER IM
  HUGO IM
  IDABEL IM
RAD/NUC MED INACTIVE DATE:
STAFF REVIEW REQUIRED:
ALLOW VERIFYING OF OTHERS: Y YES
```

Figure 7-4: Classification of radiology staff

Note that in this example, there are five Imaging Locations defined. At small sites, which may or may not perform Radiology services on site, there will be a single imaging location.

7.1.1 Electronic Signature Code Edit

As indicated above in Classification Enter/Edit, staff may be designated who will be verifying reports for either outside or internal Radiologists as needed. Such staff will need an electronic signature code and will need to clearly identify their Signature Block Title. Failure to do so will result in reports displaying that the reports were verified by Staff Physician.

To set the electronic signature and the Signature Block Title, each user may access the **Electronic Signature code Edit** option from **TBOX** as shown in Figure 7-5.

```
At any Select Menu Option prompt > TBOX > Edit User Characteristics
IHS Radiology/Nuclear Med Order Entry Menu ...
      REG Exam Entry/Edit Menu ...
         Films Reporting Menu ...
          Management Reports Menu ...
          Outside Films Registry Menu ...
          Patient Profile Menu ...
          Supervisor Menu ...
          Switch Locations
          Update Patient Record
          User Utility Menu ...
Select Rad/Nuc Med Total System Menu Option: TBOX User's Toolbox
          Electronic Signature code Edit
Select User's Toolbox Option: ELECTROnic Signature code Edit
This option is designed to permit you to enter or change your Initials,
Signature Block Information, Office Phone number, and Voice and
Digital Pagers numbers.
In addition, you are permitted to enter a new Electronic Signature Code
or to change an existing code.
INITIAL: DKU//
SIGNATURE BLOCK PRINTED NAME: DEMO K USER//
SIGNATURE BLOCK TITLE: CONTRACT RADIOLOGIST
OFFICE PHONE:
VOICE PAGER:
DIGITAL PAGER:
Your typing will not show.
ENTER NEW SIGNATURE CODE:
RE-ENTER SIGNATURE CODE FOR VERIFICATION:
DONE
```

Figure 7-5: Setting up Electronic Signature Code and Signature Block Title

Note: Signature code must be 6–20 characters in length with no control or lowercase characters.

7.2 System Definition

In order to run the radiology module, you must have at least one radiology division and one radiology location defined in the database.

Use the **Division Parameter Set-up** menu option to either initialize your division and location parameters or to update them if they are already defined.

Radiology Division

The Radiology module is designed to handle multiple divisions within a medical center. While most IHS facilities only have one division, there are a number that are multi-divisional. As a result, it is possible to structure the system for more than one division. This may be an important feature to utilize to keep PCC visit and billing data organized in multi-divisional service units. Additional divisions may be initialized after the initial set up as if new services are added at additional facilities.

However, single division medical centers will not notice this in the everyday execution of the module. Only in the initial setup will there be any reference to 'division' for these single division sites.

Each division will have its own set of parameters defining such division-wide criteria as, should the exam 'requested date' be asked and are impressions required on reports.

Radiology Location

Within a specific division, there may be a number of physical locations where a radiology procedure can be performed. For example, a division may have its main radiology department on the second floor, and it may also have a satellite location on the first floor at an outpatient clinic area. In addition, more than one type of radiology service may be offered within a facility, e.g., general radiology and mammography. Each of these imaging types may be set up as its own imaging location.

The module is designed to handle multiple locations within a division. Each location will have its own set of parameters defining such location-specific criteria as printer devices for flash cards and jacket labels.

Prerequisites for Initialization

If you are setting up the system for the first time, then you will not be able to answer many of the location parameter prompts. These parameters are pointer fields to files that you will need to build as part of the initialization process (day-one files).

However, the important thing at this point is to enter at least one division and one location under that division.

The other steps required as a prerequisite to the initialization process are the following:

- 1. The Site Manager should add the **RA OVERALL** menu option to the **AKMOCORE** menu option for access to the module.
- 2. The Site Manager should give the radiology coordinator access to the **RA OVERALL** menu.
- 3. The Radiology Coordinator and the Site Manager should have all the RA keys.

After these actions are taken, the initialization of the module can be accomplished entirely within the Radiology module itself.

When the Radiology package is installed at a site, the Rad/Nuc Med Division will normally be defined. If it is not, VA FileMan may be used to edit the Rad/Nuc Med Division file to add and specify the Facility at which the Radiology/Nuclear Medicine Package will be used as well as the parameters in place at that division. If all security keys have been given and the individual configuring the Radiology Package is encountering the XQUIT screen when accessing the package, please submit a Help ticket to IHS IT Support at itsupport@ihs.gov.

Within the **System Definition Menu**, there are three options for system set up as well as three options to list or print existing entries for the Division and Imaging Locations. There may be one to multiple Divisions and one or more Imaging Locations depending upon whether the facility operates on a stand-alone basis or in a multi-divisional environment where Radiology services are provided at more than one facility.

```
RAD Rad/Nuc Med Total System Menu ...
Supervisor Menu ...
System Definition Menu ...
Camera/Equip/Rm Entry/Edit
Division Parameter Set-up
List of Cameras/Equip/Rms
Location Parameter List
Location Parameter Set-up
Print Division Parameter List
```

Figure 7-6: System Definition Menu

It is helpful to do system configuration in the order of the menu.

7.2.1 Camera/Equipment/Room

The entries in this file are used by the technologist to indicate with which camera/equipment/room the exam was performed. Even if no exams are performed on site, an Outside Location should be defined. Only cameras/equipment/rooms associated with the location where the exam was performed are valid choices when editing an exam. At facilities with numerous modalities, this may be a quality assurance tool to identify which equipment was used for an exam if a problem is later identified with that equipment.

If Radiology services are provided at a small health care facility where only one room and one X-ray machine is in use, you may choose to create only that one room when using the **Camera/Equip/Rm Entry/Edit** option.

If multiple locations and modalities are used, the **Camera/Equipment/Room** file may be populated with unique identifiers to make selection easier for the technologists that work with that modality at a particular site; e.g., S1-XRAY, T2-XRAY, S1-CT, T2-CT, MM-Mobile Mammography.

In the example in Figure 7-7, a new Modality of R1 with a synonym of GE ADVANX has been added to the existing list of rooms and equipment in use at multiple facilities.

```
Select Supervisor Menu Option: SYStem Definition Menu
          Camera/Equip/Rm Entry/Edit
          Division Parameter Set-up
          List of Cameras/Equip/Rms
          Location Parameter List
          Location Parameter Set-up
          Print Division Parameter List
Select System Definition Menu Option: CAmera/Equip/Rm Entry/Edit
Select Camera/Equip/Room: ?
Answer with CAMERA/EQUIP/RM, or DESCRIPTION
 Do you want the entire 14-Entry CAMERA/EQUIP/RM List? Y (Yes)
   Choose from:
   BB BROKEN BOW
   CT ROOM
                 CTX
  I HUGO
I-MAMMO MAMMOGRAPHY
I-ROOM 1 GENERAL RAD
I-U/S ULTRASOUND
MAMMO MAMMOGRAPHY
MC MCALESTER
OB/US OB ULTRASOUND
   H HUGO
                   GENERAL RADIOLOGY
   PORTABLE
                 PORTABLE X-RAY MACHINE
   POT POTEAU
   R2
            GE MPV MICRO
   U/S
             ULTRASOUND
        You may enter a new CAMERA/EQUIP/RM, if you wish
```

```
Enter a name for this camera/equip/rm, between 1 and 30 characters in length.

Select Camera/Equip/Room: R1 GE ADVANX
CAMERA/EQUIP/RM: R1//
DESCRIPTION: GE ADVANX//
```

Figure 7-7: Camera/Equipment/Rm Entry/Edit

7.2.2 Imaging Location(s)\

The **Location Parameter Set-Up** function allows the user doing the configuration to define location parameters. Using this option actually creates an entry in file 44, the **Hospital Location** file. Do not use the Scheduling Package to set up Radiology Locations and do not use Radiology Locations to schedule appointments. If appointments are scheduled for Radiology services, use the Scheduling Package to create clinics that are clearly differentiated from the Radiology Locations by names such as X-Ray Appt, US Appt, CT Appt.

When Locations are set up within the Radiology package, they must be associated with an Imaging Type. Imaging Types available include:

```
ANGIO/NEURO/INTERVENTIONAL
CARDIOLOGY STUDIES (NUC MED)
CT SCAN
GENERAL RADIOLOGY
MAGNETIC RESONANCE IMAGING
MAMMOGRAPHY
NUCLEAR MEDICINE
ULTRASOUND
VASCULAR LAB
```

Figure 7-8: Imaging Types

Most small facilities will have only one Location with an Imaging Type of GENERAL RADIOLOGY. Larger facilities offering multiple services may choose to set up Locations for CT, US, MRI, and/or MAMMOGRAPHY.

Note: If a facility offers more than one modality and wishes to use VISTA Imaging functionality, they must set up locations associated with each type of imaging that are offered.

When setting up a Location, the user will normally specify the Camera/Equipment/Room associated with that location. In the case of a small facility offering limited X-Ray with one machine, they will create one location with an Imaging Type of General Radiology and a Camera/Equipment/Room of X-Ray or whatever they chose to call their Camera/Equipment/Room.

Larger facilities offering one or more Rad/Nuc Med services at more than one Facility will need to set up one Location for each modality offered at each facility. Additional Locations may be added as new equipment and services are offered. As those additional Locations are added, they must be added to the appropriate Division using the **Division Parameter Set-up** option.

In Figure 7-9, a new Imaging Location for Mammography is defined.

You will notice that several additional steps will be required before this new location is ready for use:

- 1. A default printer must be assigned under the Device Specifications for Imaging Locations to print order requisitions.
- 2. Unless staff have been assigned the RA ALLOC key, those individuals using the Mammography Location must have this Imaging Location added to their Rad/Nuc Med Classification access.
- 3. This new Imaging Location must be assigned to the appropriate Division under Division Set up.

Note: Because a Camera/Equipment/Rm was not set up for Mammograms prior to this step, the user is prompted to create the new Camera/Equipment/Rm as the Location is defined.

```
Rad/Nuc Med Total System Menu
Supervisor Menu
System Definition Menu
Location Parameter Set-up
Select Location: ?
   Answer with IMAGING LOCATIONS, or TYPE OF IMAGING:
  RADIOLOGY
                              (GENERAL RADIOLOGY-8907)
    You may enter a new IMAGING LOCATIONS, if you wish
     Select the appropriate location.
     Entry must be an active "Clinic" type with a valid imaging Stop Code
    in the Hospital Location file.
Answer with HOSPITAL LOCATION NAME
Do you want the entire HOSPITAL LOCATION List? N (No)
Select Location: MAMMOGRAPHY
 Are you adding 'MAMMOGRAPHY' as a new HOSPITAL LOCATION? No// Y (Yes)
  HOSPITAL LOCATION TYPE: CL CLINIC
  HOSPITAL LOCATION TYPE EXTENSION: CLINIC//
 Are you adding 'MAMMOGRAPHY' as a new IMAGING LOCATIONS (the 2ND)? No// Y
  IMAGING LOCATIONS TYPE OF IMAGING: MAMMOGRAPHY
** Caution: You are activating a new Imaging Type.
   This means you will have to assign procedures to
   this imaging type. Workload reports will be printed
   separately for this Imaging Type.
```

```
Are you sure? YES
   Since you have added a new Imaging Location, remember to assign
   it to a Rad/Nuc Med division through Division Parameter Set-up.
Imaging Location: MAMMOGRAPHY
Flash Card Parameters:
HOW MANY FLASH CARDS PER VISIT: 0
DEFAULT FLASH CARD FORMAT:
No default flash card printer has been assigned. Contact IRM.
Jacket Label Parameters:
HOW MANY JACKET LBLS PER VISIT: 0
DEFAULT JACKET LABEL FORMAT:
No default jacket label printer has been assigned. Contact IRM.
Exam Label Parameters:
HOW MANY EXAM LABELS PER EXAM: 1// 0
DEFAULT EXAM LABEL FORMAT:
Exam label printer is always the same as the flash card printer.
Order Entry Parameters:
No default request printer has been assigned. Contact IRM.
Report Parameters:
DEFAULT REPORT HEADER FORMAT: REPORT HEADER
DEFAULT REPORT FOOTER FORMAT: REPORT FOOTER
REPORT LEFT MARGIN: 10//
REPORT RIGHT MARGIN: 70//
PRINT DX CODES IN REPORT?: Y yes
VOICE DICTATION AUTO-PRINT:
No default report printer has been assigned. Contact IRM.
Cameras/Equip/Rooms Used by this Location:
_____
Select CAMERA/EQUIP/RM: MAM
 Are you adding 'MAM' as a new CAMERA/EQUIP/RM (the 9TH)? No// (No) ??
Select CAMERA/EQUIP/RM: MAM
 Are you adding 'MAM' as a new CAMERA/EQUIP/RM (the 9TH)? No// Y (Yes)
  CAMERA/EQUIP/RM DESCRIPTION: MAMMOGRAM
  Are you adding 'MAM' as a new CAMERAS/EQUIP/RMS (the 1ST for this IMAGING LOCA
TIONS)? No// Y (Yes)
Select CAMERA/EQUIP/RM:
Default CPT Modifiers used by this Location:
 | Your entry cannot be compared with a CPT CODE, so be very sure |
```

```
| that this is the Default CPT Modifier that you want to stuff
   | into every registered exam from this imaging location.
Select DEFAULT CPT MODIFIERS (LOC):
Recipients of the 'Stat' Alert for this Location:
Select STAT REQUEST ALERT RECIPIENTS:
ALLOW 'RELEASED/NOT VERIFIED': no// no
INACTIVE:
TYPE OF IMAGING: MAMMOGRAPHY//
CREDIT METHOD: 0// Regular Credit
Imaging Location file #79.1 entry MAMMOGRAPHY has a missing
or invalid DSS ID. The Radiology/Nuclear Medicine ADPAC should
use the Location Parameter Set-up [RA SYSLOC] option to enter
a valid imaging DSS Code for this imaging location.
Imaging Location file #79.1 entry MAMMOGRAPHY is not assigned
to a Rad/Nuc Med Division. If Imaging exams are to be registered
in this imaging location, or if there are incomplete exams
already registered to this location, the Radiology/Nuclear
Med ADPAC should use the Division Parameter Set-up [RA SYSDIV]
option to assign this imaging location to the appropriate
Rad/Nuc Med Division.
```

Figure 7-9: Location Parameter Set up for Mammography

It is to be expected that the user will see the message in Figure 7-10 when the Location set up is complete. DSS ID is used to identify an Imaging Stop Code but is not used by IHS. Do not create entries in the Imaging Stop Code file and do not populate the DSS ID field in the Location file.

```
Imaging Location file #79.1 entry MAMMOGRAPHY has a missing or invalid DSS ID. The Radiology/Nuclear Medicine ADPAC should use the Location Parameter Set-up [RA SYSLOC] option to enter a valid imaging DSS Code for this imaging location.
```

Figure 7-10: Imaging Location Error

Note: Location Set up is not complete until each location is associated with a Division.

7.2.3 Division

The **Division Parameter Set-Up** function allows the user to define division parameters for the facility defined as the Rad/Nuc Med Division during the package installation. It also allows the user to create additional divisions if Radiology services are offered at more than one facility in a service unit.

The following diagram illustrates the multi-division, multi-location within a division concept.

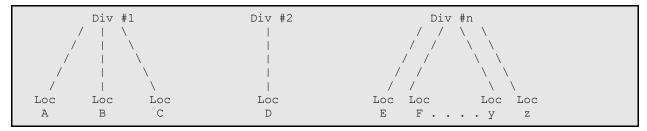


Figure 7-11: Location within Division diagram

Note: A location can only be associated with one division.

Each division will have its own set of parameters defining division-wide criteria such as:

- Should the exam 'requested date' be asked,
- Should exam labels be printed, jacket labels,
- Should pregnancy status be defaulted to UNKNOWN
- Can pregnancy status be edited on a completed exam
- Should LOINC and SNOMED codes be used (under review for RA patch 1005 for MU2)
- Should exams be passed to PCC at the status of examined

It also permits linking Locations to that division. Until Locations have been assigned to a Division, the Radiology/Nuclear Medicine Package may not be used for those Imaging Locations.

Text to be displayed during ordering may be entered for Contrast Reaction and Clinical History Messages.

In Figure 7-12, the Division Parameters are defined for Demo Indian Hospital.

```
Select System Definition Menu Option: division Parameter Set-up
Select Division: ?
   Answer with RAD/NUC MED DIVISION:
   DEMO INDIAN HOSPITAL

You may enter a new RAD/NUC MED DIVISION, if you wish
   Enter the name of the division.
Answer with INSTITUTION NAME
Do you want the entire INSTITUTION List? n (No)
Select Division: DEMO INDIAN HOSPITAL OKLAHOMA TAHLEQUAH 01
   NM 8907
...OK? Yes// (Yes)
```

```
Division-wide Order Entry Parameters:
ASK 'IMAGING LOCATION': YES// ??
       This division 'parameter' can be set to 'Yes' to indicate that the
        User should be asked when requesting an exam, which 'Imaging
        Location' the request should be forwarded to. It is recommended that
        this field be set to 'Yes' to facilitate sorting of requests by
        imaging location for various reports. Answering 'Yes' to this
        questions causes the 'SUBMIT REQUEST TO: 'prompt to appear after a
        request is created.
     Choose from:
               YES
       У
              NO
       n
TRACK REQUEST STATUS CHANGES: YES//
CLINICAL HISTORY MESSAGE: *** CLINICAL HISTORY REQUIRED ***
Note: This is the field that passes to the modality and PACS with
some interfaces.
Exam Entry/Edit Parameters:
DETAILED PROCEDURE REQUIRED: yes//
ASK 'CAMERA/EQUIP/RM': yes//
AUTO USER CODE FILING: yes//
TRACK EXAM STATUS CHANGES: yes//
ASK EXAM STATUS TIME: yes//
TIME LIMIT FOR FUTURE EXAMS: ??
       This is the maximum number of hours in the future that a user may
        Register a patient for an exam. If this prompt is bypassed, the user
        may not register a patient at a future date.
Note: It may be advantageous to pre-register patients in some cases,
        like a special mammography unit that is at the clinic one day a month
        where appointments are scheduled closely together. However, if a
        patient fails to appear as scheduled, that request should be
        cancelled so that the ordering provider knows the patient failed to
        keep her appointment..
Films Reporting Parameters:
ALLOW STANDARD REPORTS: yes//
ALLOW BATCHING OF REPORTS: no//
ALLOW COPYING OF REPORTS: no//
IMPRESSION REQUIRED ON REPORTS: yes//
ALLOW VERIFYING BY RESIDENTS: no//
ALLOW RPTS ON CANCELLED CASES?: no//
WARNING ON RPTS NOT YET VERIF?: yes//
AUTO E-MAIL TO REQ. PHYS?:
ALLOW E-SIG ON COTS HL7 RPTS: no// ??
        Entering 'Y' will turn on a feature that automatically adds the
  Electronic Signature Block printed name of the Verifying Physician
  that signed the report being transmitted to Rad/Nuc Med via an HL7
  interface to a COTS voice reporting system. This parameter is only
  checked for COTS HL7 interfaces that use the Generate/Process Routine
  'RAHLTCPB' in the subscriber protocol.
Note: This is a very specific interface and may not be used by your
   interfaced reporting system.
INTERPRETING STAFF REQ'D?: YES//
```

```
Miscellaneous Division Parameters:
PRINT FLASH CARD FOR EACH EXAM: no//
PRINT JACKET LBLS W/EACH VISIT: no//
SEND PCC AT EXAMINED: YES// ??
       This prompt permits Radiology customers with the option to pass exam
        data to PCC when an exam reaches the EXAMINED status, or when a
        report is verified.
Note: It is highly recommended that this parameter be set to YES whether or not
reports are entered.
PREGNANCY DEFAULT TO UNKNOWN: NO
PREGNANCY EDIT AT VERIFIED: Y YES
CONTRAST REACTION MESSAGE: CAUTION!! -- CONTRAST REACTION !!
          Replace
RPHARM DOSE WARNING MESSAGE:
 No existing text
 Edit? NO//
HL7 Applications Associated with this Division:
Select HL7 RECEIVING APPLICATION: ??
        You may enter a new HL7 RECEIVING APPLICATIONS, if you wish
        Pointer to the HL7 APPLICATIONS file (#771).
        If the Radiology HL7 Subscriber protocols (file \#101) have been
        setup to use ROUTING LOGIC, then HL7 RECEIVING APPLICATIONS should
        be defined. This DIVISION will then send HL7 messages to the HL7
        RECEIVING APPLICATIONS defined only.
        If no HL7 RECEIVING APPLICATIONS are set when ROUTING LOGIC is being
        used, no HL7 messages will be created for this DIVISION.
        If ROUTING LOGIC is not being used and no HL7 RECEIVING APPLICATIONS
        are set, then messages will be sent to all Radiology Subscriber
        protocols, as normal.
        If in doubt, do not put entries in this field. These are very
        specific interface types.
   Choose from:
   RA-CLIENT-IMG
                      ACTIVE
   RA-CLIENT-TCP
                      ACTIVE
                      ACTIVE
  RA-PSCRIBE-TCP
  RA-SCIMAGE-TCP
                       ACTIVE
                      ACTIVE
  RA-SERVER-IMG
                     ACTIVE
  RA-TALKLINK-TCP
   RA-VOICE-SERVER
                        ACTIVE
Imaging Locations Associated with this Division:
Select IMAGING LOCATION: RADIOLOGY// MAMMOGRAPHY
        ...OK? Yes// (Yes)
                                (MAMMOGRAPHY-)
 Are you adding 'MAMMOGRAPHY' as a new IMAGING LOCATIONS (the 2ND for this RAD/
NUC MED DIVISION)? No// Y (Yes)
Select IMAGING LOCATION:
Division Parameters have been set!
```

```
Imaging Location file #79.1 entry RADIOLOGY has a missing or invalid DSS ID. The Radiology/Nuclear Medicine ADPAC should use the Location Parameter Set-up [RA SYSLOC] option to enter a valid imaging DSS Code for this imaging location.

Imaging Location file #79.1 entry MAMMOGRAPHY has a missing or invalid DSS ID. The Radiology/Nuclear Medicine ADPAC should use the Location Parameter Set-up [RA SYSLOC] option to enter a valid imaging DSS Code for this imaging location.
```

Figure 7-12: Division Parameter Setup

Note that it is to be expected that the user will see the message in Figure 7-13 when the Division parameter setup is complete. DSS ID is used to identify an Imaging Stop Code but is not used by IHS.

Do not create entries in the Imaging Stop Code file and do not populate the **DSS ID** field in the **Location** file.

```
Imaging Location file #79.1 entry RADIOLOGY has a missing or invalid DSS ID. The Radiology/Nuclear Medicine ADPAC should use the Location Parameter Set-up [RA SYSLOC] option to enter a valid imaging DSS Code for this imaging location.
```

Figure 7-13: Invalid DSS Code for imaging location message

7.3 Maintenance Files Print Menu

This menu allows the user to obtain a list of the entries that have been configured under the **Utility Files Maintenance Menu**. Access the **Maintenance Files Print Menu** as shown in Figure 7-14. Review the existing entries with the Radiology Supervisor/Manager to determine which entries need to be inactivated and any new entries that need to be created.

```
RAD Rad/Nuc Med Total System Menu ...
Supervisor Menu ...
Maintenance Files Print Menu ...
```

Figure 7-14: Maintenance Files Print Menu

Utility files that may be printed include the following. It is recommended that only those files bolded be printed and updated via the Utility Files Maintenance.

```
Complication Type List
Diagnostic Code List
Examination Status List
Film Sizes List
Label/Header/Footer Format List
Major AMIS Code List
Modifier List
Nuclear Medicine List Menu ...
Procedure File Listings ...
```

```
HIST Display Rad/NM Procedure Contrast Media History
Active Procedure List (Long)
Active Procedure List (Short)
Alpha Listing of Active Procedures
Barcoded Procedure List
Inactive Procedure List (Long)
Invalid CPT/Stop Code List
List of Inactive Procedures (Short)
List of Procedures with Contrast
Parent Procedure List
Procedure Message List
Series of Procedures List
Report Distribution Lists
Sharing Agreement/Contract List
Standard Reports Print
```

Figure 7-13: Utility Files

7.3.1 Print Procedure List Using VA FileMan

It is unfortunate, but all of the procedure listings are designed for 132-column format. It may be helpful to use VA FileMan to print the procedure list as follows:

```
Select VA FileMan Option: PRINT File Entries
OUTPUT FROM WHAT FILE: RAD/NUC MED PROCEDURES//
SORT BY: NAME//
START WITH NAME: FIRST//
FIRST PRINT FIELD: NAME; L25
THEN PRINT FIELD: TYPE OF PRO; L8; "TYPE" CEDURE
THEN PRINT FIELD: AMIS CODES (multiple)
   THEN PRINT AMIS CODES SUB-FIELD: AMIS; L12
      1 AMIS CODE
      2 AMIS WEIGHT MULTIPLIER
CHOOSE 1-2: 1 AMIS CODE
  THEN PRINT AMIS CODES SUB-FIELD:
THEN PRINT FIELD: CPT; L6 CODE
THEN PRINT FIELD: INACTIVATION DATE; L5; "I/A"
THEN PRINT FIELD:
Heading (S/C): RAD/NUC MED PROCEDURES LIST Replace
STORE PRINT LOGIC IN TEMPLATE:
DEVICE: <== printer</pre>
RAD/NUC MED PROCEDURES LIST
                                                              SEP 19,2013 10:27 PAGE 1
                                                                CPT
                                  TYPE AMIS CODE
                                                                  CODE I/A
'BILIARY STENT PLACEMENT' DETAILED INTERVENTION 75982 DEC 7,1993
'CAROTID U/S DETAILED ULTRASOUND,E 93880 DEC 1,1993
'DRAGER VIEW MANDIBLE' DETAILED SKULL,INC.SI 70100 MAY 14,1998
'DUCTOGRAM MULTIPLE DUCTS DETAILED OTHER 76088 MAY 14,1998
'DUCTOGRAM SINGLE DUCT' DETAILED OTHER 76086 MAY 14,1998
'FETAL BIOPHYSICAL PROFIL DETAILED ULTRASOUND,E 76818 MAY 14,1998
'FETUS POST DEMISE' DETAILED OTHER 76499 MAY 14,1998
'UPPER EXTREMITY DUPLEX' DETAILED ULTRASOUND,E 93950 DEC 1,1993
ABD U/S DETAILED 76700 AUG 22,1993
ABDOMEN MIN 2 VIEWS + CH BROAD
                                                                             AUG 2,1992
ABDOMEN 1 VIEW DETAILED ABDOMEN-KUB 74000
ABDOMEN 2 VIEWS DETAILED ABDOMEN-KUB 74010 MAY 14,1998
ABDOMEN 3 OR MORE VIEWS DETAILED OBSTRUCTIVE 74020
ABDOMEN FLAT & UPRIGHT DETAILED ABDOMEN-KUB 74010
```

ADDOMENT HOD BEERT ACE 1 II		ADDOMENI MID	74700	34737 14 1000
ABDOMEN FOR FETAL AGE 1 V	DETAILED	ABDOMEN-KUB	74720	MAY 14,1998
ABDOMEN FOR FETAL AGE MUL	DETAILED	ABDOMEN-KUB	74725	MAY 14,1998
ABDOMEN MIN 3 VIEWS+CHEST	SERIES	CHEST-SINGLE		
		OBSTRUCTIVE	74022	MAY 14,1998
ABDOMEN, COMPLETE	DETAILED		76700	
ABDOMEN-KUB	BROAD	ABDOMEN-KUB	74000	
ACROMIOCLAVICULAR J BILAT	DETAILED	SKELETAL-BON	73050	
ACUTE ABDOMEN	SERIES	ABDOMEN-KUB		
		CHEST-SINGLE	74022	
ANGIO ADRENAL BILAT SELEC	DETAILED	ANGIOGRAM, CA		NOV 29,1993
ANGIO ADRENAL BILAT SELEC	DETAILED	ANGIOGRAM, CA		NOV 29,1993
ANGIO ADRENAL UNILAT SELE	DETAILED	ANGIOGRAM, CA		NOV 29,1993
		•		•
ANGIO ADRENAL UNILAT SELE	DETAILED	ANGIOGRAM, CA		NOV 29,1993
ANGIO AORTOFEM CATH W/SER	DETAILED	ANGIOGRAM, CA		NOV 29,1993
ANGIO AORTOFEMORAL CATH W	DETAILED	ANGIOGRAM, CA		NOV 13,1986
ANGIO BRACHIAL RETROGRADE	DETAILED	ANGIOGRAM, CA	75659	NOV 29,1993
ANGIO BRACHIAL RETROGRADE	DETAILED	ANGIOGRAM, CA	75658	NOV 29,1993
ANGIO CAROTID CEREBRAL BI	DETAILED	ANGIOGRAM, CA	75673	NOV 29,1993
ANGIO CAROTID CEREBRAL BI	DETAILED	ANGIOGRAM, CA	75672	MAY 14,1998
ANGIO CAROTID CEREBRAL BI	DETAILED	ANGIOGRAM, CA	75671	NOV 29,1993
ANGIO CAROTID CEREBRAL SE	DETAILED	ANGIOGRAM, CA	75661	NOV 29,1993
ANGIO CAROTID CEREBRAL SE	DETAILED	ANGIOGRAM, CA		NOV 29,1993
INCIO CINCIID CHIMBIUM OH		111,010010111,011	, 5 5 6 6	1101 201 1000

Figure 7-15: Print Entries in Rad/Nuc Med Procedure file using VA FileMan

You may not wish to edit all of the Utility Files, but it is recommended that you review and update the following.

7.4 Utility File Definitions

The **Utility Files Maintenance Menu** provides the Radiology Supervisor or Manager with a number of menu options to customize the Radiology Package to meet their site's needs. These files are the so-called Day One files. When the system is first loaded, many of these files will have data. However, the coordinator must review this data to insure that the data meets the site's needs and to modify or add file entries accordingly.

All of the files are 'day-one' files. That is, these files need to be initialized before the module is placed into production mode. They may subsequently be updated as new procedures or services are offered or discontinued. You may wish to begin by printing the existing entries in the Utility Files using the **Maintenance Files Print** menu in Section 7.3.

7.4.1 Complication Type Entry/Edit

This option allows the manager to enter/edit complication types that may be associated with an exam. When editing an exam, a user can specify a complication using the **Case Number Edit** option or **Edit Exam by Patient** option. However, if a complication has not been defined in this table, it may not be entered at the time an exam is edited.

The most commonly used complication type is a contrast material reaction complication. In the case of this complication, the patient's record in the Allergy Tracking System will be automatically updated to indicate the patient has had a contrast material reaction. As a result, every time the patient is registered for a procedure that may involve contrast material, the receptionist will be warned and should then take the appropriate action.

When the system is initialized, two complications are loaded into the module: Contrast Material Reaction and No Complication. Other site-specific entries can be added using this option. In the example in Figure 7-16, a new Complication Type is entered for Morbid Obesity.

```
Select Utility Files Maintenance Menu Option: COMPLICATION Type Entry/Edit

Select COMPLICATION TYPES: ?
   Answer with COMPLICATION TYPES
   Choose from:
   CONTRAST REACTION
   NO COMPLICATION

   You may enter a new COMPLICATION TYPES, if you wish
        Enter a type of complication, between 3 and 30 characters in

length,
   that may be associated with an exam.

Select COMPLICATION TYPES: MORBID OBESITY
   Are you adding 'MORBID OBESITY' as
   a new COMPLICATION TYPES (the 3RD)? No// Y (Yes)

COMPLICATION: MORBID OBESITY//
CONTRAST MEDIUM REACTION?: NO NO
```

Figure 7-16: Adding a new compilation

7.4.2 Diagnostic Code Enter/Edit

This option allows the manager to enter and edit report diagnostic codes. Diagnostic codes may be entered at the time a report is entered to provide an overall impression of the exam.

Diagnostic Codes are important for three reasons:

- 1. The Abnormal Report may be run periodically for any abnormal diagnostic codes.
- 2. BiRad Codes entered as Diagnostic Codes trigger the link to Women's Health.
- 3. Diagnostic Codes flagged as Abnormal will trigger an Abnormal Notification in EHR for the ordering provider.

The following is the list of diagnostic codes that most likely were loaded as part of the initialization process:

```
Normal
```

```
Minor Abnormality
Major Abnormality, No Attn. Needed
Abnormality, Attn. Needed
Major Abnormality, Physician Aware
Undictated Films Not Returned, 3 Days
Unsatisfactory/Incomplete Exam
POSSIBLE MALIGNANCY, FOLLOW-UP NEEDED
MAJOR ABNORMALITY, URGENT ATTN. NEEDED
MAM - NEGATIVE
MAM - NEGATIVE
MAM - BENIGN FINDING, NEGATIVE
MAM - PROBABLY BENIGN FINDING, SHORT INTERVAL F/U SUGGESTED
MAM - SUSPICIOUS ABNORMALITY, BIOPSY SHOULD BE CONSIDERED
MAM - HIGHLY SUGGESTIVE OF MALIG, ACTION SHOULD BE TAKEN
MAM - ASSESSMENT IS INCOMPLETE
MAM - NOT INDICATED
```

Figure 7-17: Diagnostic codes

As part of the initialization process, these entries can be deleted. However, once the system is in production, you should not delete any entries. The names of entries should also not be changed, once in production, as this could affect their meaning.

Existing entries may be edited to determine whether they will appear on the abnormal report and whether they will trigger an Abnormal notification for the ordering provider. In Figure 7-18, the Diagnostic Code, MAJOR ABNORMALITY, URGENT ATTN NEEDED is shown.

```
Select Utility Files Maintenance Menu Option: DIAGnostic Code Enter/Edit

Select DIAGNOSTIC CODES: MAJOR

1 MAJOR ABNORMALITY, NO ATTN. NEEDED
2 MAJOR ABNORMALITY, URGENT ATTN. NEEDED

CHOOSE 1-2: 2 MAJOR ABNORMALITY, URGENT ATTN. NEEDED

DESCRIPTION:
PRINT ON ABNORMAL REPORT: YES//
GENERATE ABNORMAL ALERT?: YES//
INACTIVE:
```

Figure 7-18: Editing Diagnostic Code

7.4.3 Examination Status

In order to ensure the functionality of the Radiology Package, this is probably the most important utility file to configure correctly. If a data element is required but not entered by staff during the processing of an exam, the exam will get hung up and fail to complete.

For each Imaging Type in use at a facility, the examination status change requirements must be set in order to move an exam from one status to the next in the normal process. This option may also be used to indicate if exams in each status should be included in various Radiology reports. In the example provided below, only four examination statuses are defined:

- Waiting for Exam
- Examined
- Transcribed
- Complete

This would be typical for a facility that has a Transcriptionist and on-site Radiologist who interprets images. At many facilities where reports are provided by an outside entity, only three statuses may be used: Waiting for Exam, Examined, and Complete.

If other Imaging Types are in use at a facility—Mammography, Ultrasound, CT, MRI—the examination statuses must be defined for each separate Imaging Type. The examination statuses must be duplicated by specifying the Imaging Type and then defining the requirements for each examination status for that Imaging Type.

When the examination status changes have been defined, an inconsistency report should be reviewed to be sure that if a data element is required but that data element is not asked for, or a data element is required in order to be complete but is not asked for at an earlier step in the examination status. In Figure 7-19, Examination Statuses are defined for General Radiology.

Note: If Examination Statuses have not been previously set, it may be helpful to begin with the Status of COMPLETE and work back down to WAITING FOR EXAM.

```
Select Utility Files Menu Option: Examination Status Enter/Edit
Select an Imaging Type: generAL RADIOLOGY
Select an Examination Status: ?
Answer with EXAMINATION STATUS
Do you want the entire EXAMINATION STATUS List? y (Yes)
  Choose from:
  CALLED FOR EXAM
                                   Imaging Type: GENERAL RADIOLOGY
                                   Order:
  CANCELLED
                                   Imaging Type: GENERAL RADIOLOGY
                                   Order: 0
  COMPLETE
                                   Imaging Type: GENERAL RADIOLOGY
                                   Order: 9
  DICTATED
                                   Imaging Type: GENERAL RADIOLOGY
                                   Imaging Type: GENERAL RADIOLOGY
  EXAMINED
                                   Order: 2
  PROBLEM DRAFT
                                   Imaging Type: GENERAL RADIOLOGY
                                   Order:
```

```
TRANSCRIBED
                                   Imaging Type: GENERAL RADIOLOGY
   WAITING FOR EXAM
                                   Imaging Type: GENERAL RADIOLOGY
                                   Order: 1
        You may enter a new EXAMINATION STATUS, if you wish
        Enter a name for an exam status, between 3 and 30 non-numeric
        characters, to the current exam status being defined.
Select an Examination Status: waitinG FOR EXAM Imaging Type: GENERAL RADIOLOGY
                                   Order: 1
         ...OK? Yes// (Yes)
     * Reminder * WAITING FOR EXAM does NOT need data entered for
       the 'ASK' and 'REQUIRED' fields. Registration automatically
       sets cases to this status since its ORDER number is 1.
Name of Current Exam Status: WAITING FOR EXAM//
Order in sequence of status progression: 1//
Should this Status appear in Status Tracking ?: YES
User Key needed to move an exam to this status:
Default next status for exam: EXAMINED//
Can an exam be cancelled while in this status ?: YES
        //
Generate exam alert for requesting physician ?: NO
        //
Generate Examined HL7 Message:
    Status Change Requirements
     Please indicate which of the following is required
     in order to place an exam into the 'WAITING FOR EXAM' status:
Technologist Required ?: NO//
Resident Or Staff Required ?: NO//
Detailed Procedure required ?: NO//
Film Entry Required ?: NO//
Diagnostic Code Required ?: NO//
Camera/Equip/Rm Required ?: NO//
Procedure Modifiers required ?: NO//
CPT Modifiers required ?: NO//
   WARNING: You must use the reporting feature of the system as
           a prerequisite for the following requirements:
Report Entered required ?: NO//
Impression required ?: NO//
Verified Report required ?: NO//
     Status Tracking Functions
     Please indicate which of the following should be asked when
     changing an exam's status to 'WAITING FOR EXAM' while using
     the 'status tracking' feature:
Ask for Technologist ?: NO//
Ask For Interpreting Physician ?: NO//
Ask for Procedure ?: NO//
Ask For Film Data ?: NO//
Ask For Diagnostic Code ?: NO//
Ask For Camera/Equip/Rm ?: NO//
```

```
Ask for Procedure Modifiers ?: NO//
Ask for CPT Modifiers ?: NO//
Ask for User Code ?: NO//
Ask Medications & Dosages ?: NO//
Ask Medication Admin Dt/Time & Person ?: NO//
    Management Report Criteria
     Please indicate which of the following workload reports should
     include exams with the 'WAITING FOR EXAM' status:
Clinic Report should include exams of this status ?: NO
PTF Bedsection Report should include exams of this status ?: NO
Service Report (Workload) should include exams of this status ?: YES
Sharing/Contract Report (Workload) should include exams of this status ?: NO
Ward Report (Workload) should include exams of this status ?: NO
        //
Film Usage Report (Workload) should include exams of this status ?: NO
         //
Technologist Report (Workload) should include exams of this status ?: NO
AMIS Report (Workload) should include exams of this status ?: NO
Detailed Procedure Report (Workload) should include exams of this status ?: NO
Camera/Equip/Rm Report should include exams of this status ?: NO
Physician Report should include exams of this status ?: NO
         //
Resident Report should include exams of this status ?: NO
        //
Staff Report should include exams of this status ?: NO
Delinquent Status Report should include exams of this status ?: YES
        //
Select an Examination Status: exaMINED Imaging Type: GENERAL RADIOLOGY
                                   Order: 2
        ...OK? Yes// (Yes)
Name of Current Exam Status: EXAMINED//
Order in sequence of status progression: 2//
Should this Status appear in Status Tracking ?: YES
        //
User Key needed to move an exam to this status:
Default next status for exam: TRANSCRIBED//
Can an exam be cancelled while in this status ?: NO
        //
Generate exam alert for requesting physician ?: NO
        //
Generate Examined HL7 Message: YES//
     Status Change Requirements
     Please indicate which of the following is required
     in order to place an exam into the 'EXAMINED' status:
Technologist Required ?: YES//
```

```
Resident Or Staff Required ?: NO//
Detailed Procedure required ?: YES//
Film Entry Required ?: YES//
Diagnostic Code Required ?: NO//
Camera/Equip/Rm Required ?: YES//
Procedure Modifiers required ?: NO//
CPT Modifiers required ?: NO//
   WARNING: You must use the reporting feature of the system as
           a prerequisite for the following requirements:
Report Entered required ?: NO//
Impression required ?: NO//
Verified Report required ?: NO//
     Status Tracking Functions
     Please indicate which of the following should be asked when
     changing an exam's status to 'EXAMINED' while using
     the 'status tracking' feature:
Ask for Technologist ?: YES//
Ask For Interpreting Physician ?: NO//
Ask for Procedure ?: YES//
Ask For Film Data ?: YES//
Ask For Diagnostic Code ?: NO//
Ask For Camera/Equip/Rm ?: YES//
Ask for Procedure Modifiers ?: NO//
Ask for CPT Modifiers ?: NO//
Ask for User Code ?: NO//
Ask Medications & Dosages ?: NO// NO
Ask Medication Admin Dt/Time & Person ?: NO// NO
    Management Report Criteria
     Please indicate which of the following workload reports should
     include exams with the 'EXAMINED' status:
Clinic Report should include exams of this status ?: YES
PTF Bedsection Report should include exams of this status ?: NO
Service Report (Workload) should include exams of this status ?: YES
Sharing/Contract Report (Workload) should include exams of this status ?: NO
Ward Report (Workload) should include exams of this status ?: YES
Film Usage Report (Workload) should include exams of this status ?: YES
         //
Technologist Report (Workload) should include exams of this status ?: YES
         //
AMIS Report (Workload) should include exams of this status ?: YES
         //
Detailed Procedure Report (Workload) should include exams of this status ?: YES
Camera/Equip/Rm Report should include exams of this status ?: YES
Physician Report should include exams of this status ?: YES
         //
Resident Report should include exams of this status ?: NO
Staff Report should include exams of this status ?: YES
```

```
11
Delinquent Status Report should include exams of this status ?: YES
Select an Examination Status: tranSCRIBED Imaging Type: GENERAL RADIOLOGY
                                  Order: 3
         ...OK? Yes// (Yes)
Name of Current Exam Status: TRANSCRIBED//
Order in sequence of status progression: 3//
Should this Status appear in Status Tracking ?: YES
         //
User Key needed to move an exam to this status:
Default next status for exam: COMPLETE//
Can an exam be cancelled while in this status ?: NO
Generate exam alert for requesting physician ?: NO
        //
Generate Examined HL7 Message:
     Status Change Requirements
     Please indicate which of the following is required
     in order to place an exam into the 'TRANSCRIBED' status:
Technologist Required ?: YES//
Resident Or Staff Required ?: YES//
Detailed Procedure required ?: YES//
Film Entry Required ?: YES//
Diagnostic Code Required ?: NO//
Camera/Equip/Rm Required ?: YES//
Procedure Modifiers required ?: NO//
CPT Modifiers required ?: NO//
   WARNING: You must use the reporting feature of the system as
           a prerequisite for the following requirements:
Report Entered required ?: YES//
Impression required ?: NO//
Verified Report required ?: YES//
     Status Tracking Functions
     Please indicate which of the following should be asked when
     changing an exam's status to 'TRANSCRIBED' while using
     the 'status tracking' feature:
Ask for Technologist ?: YES//
Ask For Interpreting Physician ?: YES//
Ask for Procedure ?: YES//
Ask For Film Data ?: YES//
Ask For Diagnostic Code ?: NO//
Ask For Camera/Equip/Rm ?: YES//
Ask for Procedure Modifiers ?: NO//
Ask for CPT Modifiers ?: NO//
Ask for User Code ?: NO//
Ask Medications & Dosages ?: NO//
Ask Medication Admin Dt/Time & Person ?: NO//
     Management Report Criteria
     Please indicate which of the following workload reports should
```

```
include exams with the 'TRANSCRIBED' status:
Clinic Report should include exams of this status ?: YES
PTF Bedsection Report should include exams of this status ?: NO
        //
Service Report (Workload) should include exams of this status ?: NO
Sharing/Contract Report (Workload) should include exams of this status ?: NO
Ward Report (Workload) should include exams of this status ?: YES
Film Usage Report (Workload) should include exams of this status ?: YES
Technologist Report (Workload) should include exams of this status ?: YES
AMIS Report (Workload) should include exams of this status ?: YES
Detailed Procedure Report (Workload) should include exams of this status ?: YES
Camera/Equip/Rm Report should include exams of this status ?: YES
         //
Physician Report should include exams of this status ?: YES
Resident Report should include exams of this status ?: NO
Staff Report should include exams of this status ?: YES
Delinquent Status Report should include exams of this status ?: YES
Select an Examination Status: COMPLETE
Name of Current Exam Status: COMPLETE//
Order in sequence of status progression: 9//
Should this Status appear in Status Tracking ?: NO
User Key needed to move an exam to this status:
Default next status for exam:
Can an exam be cancelled while in this status ?: NO
Generate exam alert for requesting physician ?: YES
        //
Generate Examined HL7 Message:
    Status Change Requirements
    Please indicate which of the following is required
    in order to place an exam into the 'COMPLETE' status:
Technologist Required ?: YES//
Resident Or Staff Required ?: YES//
Detailed Procedure required ?: YES//
Film Entry Required ?: YES//
Diagnostic Code Required ?: NO//
Camera/Equip/Rm Required ?: YES//
Procedure Modifiers required ?: NO//
CPT Modifiers required ?: NO//
   WARNING: You must use the reporting feature of the system as
           a prerequisite for the following requirements:
Report Entered required ?: YES//
```

```
Impression required ?: YES//
Verified Report required ?: YES//
     Status Tracking Functions
     Please indicate which of the following should be asked when
     changing an exam's status to 'COMPLETE' while using
     the 'status tracking' feature:
Ask for Technologist ?: YES//
Ask For Interpreting Physician ?: YES//
Ask for Procedure ?: YES//
Ask For Film Data ?: YES//
Ask For Diagnostic Code ?: NO//
Ask For Camera/Equip/Rm ?: YES//
Ask for Procedure Modifiers ?: NO//
Ask for CPT Modifiers ?: NO// NO
Ask for User Code ?: NO//
Ask Medications & Dosages ?: NO// NO
Ask Medication Admin Dt/Time & Person ?: NO// NO
     Management Report Criteria
     Please indicate which of the following workload reports should
     include exams with the 'COMPLETE' status:
Clinic Report should include exams of this status ?: YES
PTF Bedsection Report should include exams of this status ?: NO
        //
Service Report (Workload) should include exams of this status ?: YES
Sharing/Contract Report (Workload) should include exams of this status ?: NO
        //
Ward Report (Workload) should include exams of this status ?: YES
        //
Film Usage Report (Workload) should include exams of this status ?: YES
Technologist Report (Workload) should include exams of this status ?: YES
AMIS Report (Workload) should include exams of this status ?: YES
Detailed Procedure Report (Workload) should include exams of this status ?: YES
Camera/Equip/Rm Report should include exams of this status ?: YES
Physician Report should include exams of this status ?: YES
Resident Report should include exams of this status ?: NO
         //
Staff Report should include exams of this status ?: YES
        //
Delinquent Status Report should include exams of this status ?: NO
          Checking order numbers
         and Default Next Status used for status progression
         within : GENERAL RADIOLOGY
     Required order numbers are in place.
```

Checking Exam Status names within: GENERAL RADIOLOGY Exam Status names check complete nter RETURN to continue or '^' to exit: Data Inconsistency Report For Exam Statuses EVICE: HOME// Page: 1 Date: Nov 04, 2008 Data Inconsistency Report For Exam Statuses Checking verified report required and impression required within: GENERAL RADIOLOGY 'Verified Report required?' was set to 'yes'; but 'Impression required?' was not set to 'yes' at this and lower status(es) Verified Rpt req'd Impression Required CANCELLED WATTING FOR EXAM N EXAMINED N EXAMINED N EXAMINED N EXAMINED N EXAMINED TRANSCRIBED Y Page: 2 Date: Nov 04, 2008 Data Inconsistency Report For Exam Statuses If verified report is required at a particular status, then the impression should also be required at the same or lower status. Checking order numbers and Default Next Status used for status progression within: GENERAL RADIOLOGY Required order numbers are in place. Checking Exam Status names within: GENERAL RADIOLOGY			
Exam Status names check complete Iter RETURN to continue or '^' to exit: Data Inconsistency Report For Exam Statuses EVICE: HOME// Page: 1 Date: Nov 04, 2008 Data Inconsistency Report For Exam Statuses Checking verified report required and impression required within: GENERAL RADIOLOGY 'Verified Report required?' was set to 'yes'; but 'Impression required?' was not set to 'yes' at this and lower status(es Verified Rpt req'd Impression Required CANCELLED N N N WAITING FOR EXAM N N EXAMINED N N EXAMINED N N TRANSCRIBED Y N COMPLETE Y N Page: 2 Date: Nov 04, 2008 Data Inconsistency Report For Exam Statuses If verified report is required at a particular status, then the impression should also be required at the same or lower status. Checking order numbers and Default Next Status used for status progression within: GENERAL RADIOLOGY Required order numbers are in place. Checking Exam Status names			
Data Inconsistency Report For Exam Statuses EVICE: HOME// Page: 1 Date: Nov 04, 2008 Data Inconsistency Report For Exam Statuses Data Inconsistency Report For Exam Statuses Checking verified report required and impression required within: GENERAL RADIOLOGY 'Verified Report required?' was set to 'yes'; but 'Impression required?' was not set to 'yes' at this and lower status(es Verified Rpt req'd Impression Required CANCELLED N N N EXAMINED N N N EXAMINED N N EXAMINED N N EXAMINED N N COMPLETE Y N COMPLETE Y Y N Page: 2 Date: Nov 04, 2008 Data Inconsistency Report For Exam Statuses If verified report is required at a particular status, then the impression should also be required at the same or lower status. Checking order numbers and Default Next Status used for status progression within: GENERAL RADIOLOGY Required order numbers are in place. Checking Exam Status names	within : GENERAL RA	YDIOTOGA	
Page: 1 Date: Nov 04, 2008 Data Inconsistency Report For Exam Statuses Checking verified report required and impression required within: GENERAL RADIOLOGY 'Verified Report required?' was set to 'yes'; but 'Impression required?' was not set to 'yes' at this and lower status(es Verified Rpt req'd Impression Required CANCELLED N WAITING FOR EXAM N EXAMINED N TRANSCRIBED Y COMPLETE Y Page: 2 Date: Nov 04, 2008 Data Inconsistency Report For Exam Statuses If verified report is required at a particular status, then the impression should also be required at the same or lower status. Checking order numbers and Default Next Status used for status progression within: GENERAL RADIOLOGY Required order numbers are in place. Checking Exam Status names Checking Exam Status names			
Page: 1 Date: Nov 04, 2008 Data Inconsistency Report For Exam Statuses Checking verified report required and impression required within: GENERAL RADIOLOGY 'Verified Report required?' was set to 'yes'; but 'Impression required?' was not set to 'yes' at this and lower status(es Verified Rpt req'd Impression Required CANCELLED N N N EXAMINED N N N EXAMINED N N TRANSCRIBED Y N COMPLETE Y N Page: 2 Date: Nov 04, 2008 Data Inconsistency Report For Exam Statuses If verified report is required at a particular status, then the impression should also be required at the same or lower status. Checking order numbers and Default Next Status used for status progression within: GENERAL RADIOLOGY Required order numbers are in place. Checking Exam Status names	Data Incons	istency Report For E	xam Statuses
Date: Nov 04, 2008 Data Inconsistency Report For Exam Statuses Checking verified report required and impression requiredwithin: GENERAL RADIOLOGY 'Verified Report required?' was set to 'yes'; but 'Impression required?' was not set to 'yes' at this and lower status(es Verified Rpt req'd Impression Required CANCELLED N N N WAITING FOR EXAM N N N EXAMINED N N N TRANSCRIBED Y N COMPLETE Y Y Y Page: 2 Date: Nov 04, 2008 Data Inconsistency Report For Exam Statuses If verified report is required at a particular status, then the impression should also be required at the same or lower status. Checking order numbers and Default Next Status used for status progression within: GENERAL RADIOLOGY Required order numbers are in place. Checking Exam Status names	EVICE: HOME//		
Checking verified report required and impression required within: GENERAL RADIOLOGY 'Verified Report required?' was set to 'yes'; but 'Impression required?' was not set to 'yes' at this and lower status(es Verified Rpt req'd Impression Required CANCELLED N N N EXAMINED N N TRANSCRIBED Y N COMPLETE Y Y Y Page: 2 Date: Nov 04, 2008 Data Inconsistency Report For Exam Statuses If verified report is required at a particular status, then the impression should also be required at the same or lower status. Checking order numbers and Default Next Status used for status progression within: GENERAL RADIOLOGY Required order numbers are in place. Checking Exam Status names			
within: GENERAL RADIOLOGY 'Verified Report required?' was set to 'yes'; but 'Impression required?' was not set to 'yes' at this and lower status(es Verified Rpt req'd Impression Required CANCELLED N N N EXAMINED N N N TRANSCRIBED Y N N COMPLETE Y Y Y Page: 2 Date: Nov 04, 2008 Data Inconsistency Report For Exam Statuses If verified report is required at a particular status, then the impression should also be required at the same or lower status. Checking order numbers and Default Next Status used for status progression within: GENERAL RADIOLOGY Required order numbers are in place. Checking Exam Status names			
'Impression required ?' was not set to 'yes' at this and lower status(es Verified Rpt req'd Impression Required CANCELLED N N N WAITING FOR EXAM N N EXAMINED N N TRANSCRIBED Y N COMPLETE Y Y Page: 2 Date: Nov 04, 2008 Data Inconsistency Report For Exam Statuses If verified report is required at a particular status, then the impression should also be required at the same or lower status. Checking order numbers and Default Next Status used for status progression within: GENERAL RADIOLOGY Required order numbers are in place. Checking Exam Status names			mpression required
CANCELLED N N N N N N N EXAMINED N N N N N N N N N N N N N N N N N N	'Verified Report required 'Impression required ?'	d ?' was set to 'yes' was not set to 'yes'	'; but at this and lower status(es) :
WAITING FOR EXAM N N N N N N N N N N N N N N N N N N N			Impression Required
EXAMINED N N N N N TRANSCRIBED Y N N Y COMPLETE Y Y Y Page: 2 Date: Nov 04, 2008 Data Inconsistency Report For Exam Statuses If verified report is required at a particular status, then the impression should also be required at the same or lower status. Checking order numbers and Default Next Status used for status progression within: GENERAL RADIOLOGY Required order numbers are in place. Checking Exam Status names			
Page: 2 Date: Nov 04, 2008 Data Inconsistency Report For Exam Statuses If verified report is required at a particular status, then the impression should also be required at the same or lower status. Checking order numbers and Default Next Status used for status progression within: GENERAL RADIOLOGY Required order numbers are in place. Checking Exam Status names			
Page: 2 Date: Nov 04, 2008 Data Inconsistency Report For Exam Statuses If verified report is required at a particular status, then the impression should also be required at the same or lower status. Checking order numbers and Default Next Status used for status progression within: GENERAL RADIOLOGY Required order numbers are in place. Checking Exam Status names	TRANSCRIBED	Y	N
Data Inconsistency Report For Exam Statuses If verified report is required at a particular status, then the impression should also be required at the same or lower status. Checking order numbers and Default Next Status used for status progression within: GENERAL RADIOLOGY Required order numbers are in place. Checking Exam Status names	COMPLETE	Y	Y
If verified report is required at a particular status, then the impression should also be required at the same or lower status. Checking order numbers and Default Next Status used for status progression within: GENERAL RADIOLOGY Required order numbers are in place. Checking Exam Status names			
If verified report is required at a particular status, then the impression should also be required at the same or lower status. Checking order numbers and Default Next Status used for status progression within: GENERAL RADIOLOGY Required order numbers are in place. Checking Exam Status names	Data Incons:	istency Report For E:	xam Statuses
then the impression should also be required at the same or lower status. Checking order numbers and Default Next Status used for status progression within: GENERAL RADIOLOGY Required order numbers are in place. Checking Exam Status names			
Checking Exam Status names	then the impression shoul Checking order numb and Default Next St	ld also be required a pers tatus used for status	at the same or lower status.
	Required order numbers as	ce in place.	
Page: 3 Date: Nov 04, 2008			
Data Inconsistency Report For Exam Statuses	Data Incons	istency Report For E:	kam Statuses

Figure 7-19: Setting up Examination Status requirements

7.4.4 Films Type Entry/Edit

This option allows the manager to edit existing film types and enter new film types. These film types will be the choices the technologist can select from during the **Case No. Exam Edit** or **Edit Exam by Patient** options to indicate which films were used during the procedure.

Most sites have moved to digital imaging or are moving in that direction. For those sites, it is recommended that a film type of Digital be added. Some sites have chosen to add two separate Digital film types based on the size of the cartridge.

For those sites that track "re-takes", film types of Wasted may be created so that the Wasted Film Report may be run.

In Figure 7-20, Digital Film type is created as well as a corresponding Wasted-Digital Film. Note that R may be used instead of W to indicate a Retake.

```
Select Utility Files Maintenance Menu Option: film Type Entry/Edit
Select FILM SIZES: DIGITAL
 Are you adding 'DIGITAL' as a new FILM SIZES (the 20TH)? No// Y (Yes)
FILM: DIGITAL//
IS THIS A 'CINE' FILM SIZE?: N NO
FLUORO ONLY?: N NO
INACTIVATION DATE:
WASTED FILM?:
Select FILM SIZES: W-DIGITAL
 Are you adding 'W-DIGITAL' as a new FILM SIZES (the 21ST)? No// Y (Yes)
FILM: W-DIGITAL//
IS THIS A 'CINE' FILM SIZE?: N NO
FLUORO ONLY?: N NO
INACTIVATION DATE:
WASTED FILM?: Y YES
ANALOGOUS UNWASTED FILM SIZE: DIGITAL
```

Figure 7-20: Creating a Film Type and a Wasted Film Type

7.4.5 Major AMIS Code Entry/Edit

This menu option allows the coordinator to add new AMIS codes and edit existing AMIS codes.

When the system is first installed, all necessary entries and data associated with each entry will be part of the module.

AMIS Codes are workload codes used by the VA but they are not used within IHS so the user may encounter the following message when accessing this menu option. They must answer the question with a response of **YES** in order to proceed.

IHS continues to use AMIS codes as there are several reports based on AMIS codes.

```
Select Utility Files Maintenance Menu Option: major AMIS Code Entry/Edit
+-----+
| New entries and modifications to existing entries are |
| prohibited without approval from Radiology Service VACO. |
+-----+

Do you have approval from Radiology Service VACO to add/change any AMIS codes and weight? No// YES
```

Figure 7-21: Editing AMIS codes

The most common reason needed to access the AMIS Code file is to remove Retired from the names of some of the AMIS Codes or to add an AMIS Code of Mammography or DEXA if they do not already exist on your system.

7.4.6 Label/Header/Footer Formatter

Although Labels are seldom printed by IHS sites using the Radiology package, this option should be exercised to customize the display of the header information on Radiology reports. If a report must be printed to send to an outside provider, it can only be printed from the Radiology Package. EHR imaging reports generated from the RPMS Radiology package have no identifying information on them and are not suitable for printing.

The manager may select from the following fields when laying out the report header and footer. And it is highly recommended that the format of the header be laid out on paper before altering the settings for the fields and their labels in this option.

Listed below are the field choices. Note that if you do not have the entries for Chart Number (IHS) please submit a ticket to IHS IT Support (itsupport@ihs.gov) in order to get a supplemental file. The fields that are bolded are most commonly used on the Report Header for IHS sites.

- AGE OF PATIENT
- ATTENDING PHYSICIAN AT ORDER
- ATTENDING PHYSICIAN CURRENT
- CASE NUMBER
- CASE NUMBER BARCODE
- CASE#
- CATEGORY (OUTP/INP)
- CHART# OF PATIENT (IHS)
- CURRENT DATE/TIME
- CURRENT PATIENT LOCATION
- DATE OF BIRTH

- DATE OF BIRTH (AGE yrs)
- DATE OF EXAM
- DATE ONLY
- DATE REPORT ENTERED
- DATE REPORTED
- DIAGNOSTIC CODE
- EXAM MODIFIERS
- FREE TEXT
- HOSPITAL DIVISION(INSTITUTION)
- IHS AGE OF PATIENT
- IHS AGE OF PATIENT AT EXAM
- IMAGING LOCATION
- LAST TIME THIS EXAM PERFORMED
- LAST VISIT FOR ANY EXAM
- LONG CASE NUMBER
- LONG CASE NUMBER BARCODE
- NAME OF PATIENT
- NAME OF PATIENT (FIRST LAST)
- PAGE NUMBER
- PATIENT ADDRESS LINE 1
- PATIENT ADDRESS LINE 2
- PATIENT ADDRESS LINE 3
- PRIMARY PHYSICIAN AT ORDER
- PRIMARY PHYSICIAN CURRENT
- PROCEDURE
- PROCEDURE BARCODE, 30 CHARS
- PROCEDURE BARCODE, 60 CHARS
- REPORT STATUS
- REQUEST ENTERED BY
- REQUEST ENTERED DATE/TIME

- REQUESTING AREA
- REQUESTING LOCATION
- REQUESTING PHYSICIAN
- RESIDENT
- RESIDENT SIGNATURE
- RESIDENT SIGNATURE NAME
- SERVICE
- SEX OF PATIENT
- SSN OF PATIENT
- SSN OF PATIENT BARCODE
- SSN OF PATIENT BARCODE-NO DASH
- STAFF RADIOLOGIST
- STAFF SIGNATURE
- STAFF SIGNATURE NAME
- TECHNOLOGIST
- UPDATED PATIENT LOCATION
- USUAL PATIENT CATEGORY
- VERIFIED DATE
- VERIFYING ELECTRONIC SIGNATURE
- VERIFYING RADIOLOGIST
- VERIFYING SIGNATURE
- VERIFYING SIGNATURE BLOCK
- VERIFYING SIGNATURE NAME
- VERIFYING SIGNATURE TITLE

The actual creation of the Report Header and Footer is much like creating an EHR Order Menu where rows and columns must be specified for the various fields. Duplicate entries for items like "FREE TEXT" can be entered more than once by using quotation marks for each entry after the initial one.

When the layout is complete, a sample header is printed to the screen so that the manager can determine if any adjustments are required.

In the sample report footer below, only two fields have been defined, **Date Report Entered** and **Page Number**.

```
FIELD ROW COL TITLE

TEXT

--

FORMAT NAME: REPORT FOOTER
DATE REPORT ENTERED 1 3 Date Reported:

PAGE NUMBER 1 70
```

Figure 7-22: Format for Report Footer

```
Select Utility Files Maintenance Menu Option: label/Header/Footer Formatter
   >>> Exam Label/Report Header/Report Footer/Flash Card Formatter <<<
Select LBL/HDR/FTR FORMATS FORMAT NAME: report fOOTER
FORMAT NAME: REPORT FOOTER//
Select FIELD: DATE REPORT ENTERED//
 FIELD: DATE REPORT ENTERED//
 ROW: 1//
 COLUMN: 3//
 TITLE (OPTIONAL): Date Reported://
Select FIELD:
NUMBER OF ROWS IN FORMAT: 1//
    ...format 'REPORT FOOTER' has been compiled.
<<<<<------Column No.-----
>>>>>
0-----5----6----7----
1
      0 0 0 0 0
 Date Reported: Jan 11,1985 09:33
                                                      Page 1
```

Figure 7-23: Creating Report Footer

In the Report Header below, the following fields have been defined.

```
*** DEMO INDIAN MEDICAL CENTER ***
                     5670 EAST TUCSON BOULEVARD
                      TUCSON, ARIZONA 56789
                     TELEPHONE: (520)765-8970
Name: DEMO PATIENT
                                                  DOB: 09-01-19XX (36 yrs)
Chart#: 00-00-00
                                                  Sex: MALE
Requesting Loc: DENTAL
                                            Physician: DEMO, PROVIDER
Entered request: USER, DEMO
                                          Technician: DEMO, TECH
                                          Radiologist: DEMO, RADIOLOGIST
Case#: 081194-234
Procedure: 1A - SKULL
                                           Verifier: DEMO, USER A
```

Figure 7-24: Sample Report Header

FIELD	ROW	COL	TITLE TEXT
FORMAT NAME: REPORT	HEADER		
FREE TEXT	4	2.0	*** DEMO INDIAN MEDICAL CEN
FREE TEXT	5		5670 EAST TUCSON BOULEVARD
FREE TEXT	6		TUCSON, ARIZONA 56789
FREE TEXT	7		TELEPHONE: (520)765-8970
NAME OF PATIENT			Name:
DATE OF EXAM			Date of exam :
DATE OF BIRTH (AGE yrs)	9	53	DOB:
CHART# OF PATIENT (IHS)			
SEX OF PATIENT	10	53	Sex:
REQUESTING LOCATION	11	3	Requesting Loc:
REQUESTING PHYSICIAN	11	47	Physician:
REQUEST ENTERED BY	12		Entered request
TECHNOLOGIST	13	46	Technician:
LONG CASE NUMBER	14	3	Case#:
STAFF RADIOLOGIST	14	45	Radiologist:
PROCEDURE	15	3	Procedure:
VERIFYING RADIOLOGIST	15	48	Verifier:
FREE TEXT	16	1	

Figure 7-25: Layout for Sample Report Header

For multi-divisional facilities with Radiology offered at more than one division, it may be advisable to create a report header for each facility and then link the correct report header to the Division in the Location Parameter Set up.

7.4.7 Order Entry Procedure Display Menu...

7.4.7.1 Common Procedure Enter/Edit

A Common Procedure List is nothing more than a numbered list of the top 40 procedures available for ordering for each Imaging Type in RPMS. When placing an order directly in RPMS, the procedure may be selected from the numbered list, entered by CPT code, or e selected by name, e.g., WRIST. While it is not required that a Common Procedure List be created, it simplifies the ordering process at small sites with limited procedures or when orders are not always placed via EHR.

Before creating a Common Procedure List, it may be of value to use the **Display** Common Procedure List menu option to see what already is in place.

This menu option may be used to add and or remove procedures from the display used to enter requests. If you have inherited an old common procedure list, it may be helpful to just remove all Procedures from the list and then rebuild the list with the order of items desired. Note that you cannot mix imaging types on single Common Procedure List. Also, you may add procedures by CPT or HCPCS code rather than procedure name.

In the example shown in Figure 7-26, three mammogram procedures are added to the Common Procedure list for Mammography.

```
Select Order Entry Procedure Display Menu Option: common Procedure
Enter/Edit
Select one of the following imaging types:
  GENERAL RADIOLOGY
  MAMMOGRAPHY
Select IMAGING TYPE: maMMOGRAPHY
Select RAD/NUC MED COMMON PROCEDURE: ?
Answer with RAD/NUC MED COMMON PROCEDURE
Do you want the entire RAD/NUC MED COMMON PROCEDURE List? N (No)
   Choose from:
     You may enter a new RAD/NUC MED COMMON PROCEDURE, if you wish
     Enter a procedure name.
     Only active procedures may be selected.
Are you adding 'MAMMOGRAM G0202' as
   a new RAD/NUC MED COMMON PROCEDURE? No// Y (Yes)
PROCEDURE: MAMMOGRAM G0202//
INACTIVATE FROM LIST:
SEQUENCE NUMBER: 1//
Select RAD/NUC MED COMMON PROCEDURE: G0204()
Attempting FILEMAN lookup...
                              Diagnosticmammographydigital
      DIAGNOSTIC MAMMOGRAPHY, PRODUCING DIRECT DIGITAL IMAGE, BILATERAL,
ALL VIEWS MAMMOGRAM G0204
                                                            (MAM Detailed)
CPT:G0204
 Are you adding 'MAMMOGRAM G0204' as
   a new RAD/NUC MED COMMON PROCEDURE? No// Y (Yes)
PROCEDURE: MAMMOGRAM G0204//
INACTIVATE FROM LIST:
SEQUENCE NUMBER: 2//
Select RAD/NUC MED COMMON PROCEDURE: G0406()
Attempting FILEMAN lookup...
                              Diagnosticmammographydigital
      DIAGNOSTIC MAMMOGRAPHY, PRODUCING DIRECT DIGITAL IMAGE, UNILATERAL,
ALL VIEWS MAMMOGRAM G0206
                                                           (MAM Detailed)
CPT:G0206
 Are you adding 'MAMMOGRAM G0206' as
   a new RAD/NUC MED COMMON PROCEDURE? No// Y (Yes)
PROCEDURE: MAMMOGRAM G0206//
```

```
INACTIVATE FROM LIST:
SEQUENCE NUMBER: 3//
```

Figure 7-26: Adding three new procedures to the Common Procedure List for Mammography

7.4.7.2 Create OE/RR Protocol from Common Procedure

This option is not used in IHS. Orderable items are created for Radiology Procedures in the EHR Clinical Coordinator's Order Menu Management Menu.

7.4.7.3 Display Common Procedure List

This option may be used to display one or more Common Procedure Lists. In Figure 7-27, the common procedure list for General Radiology is displayed.

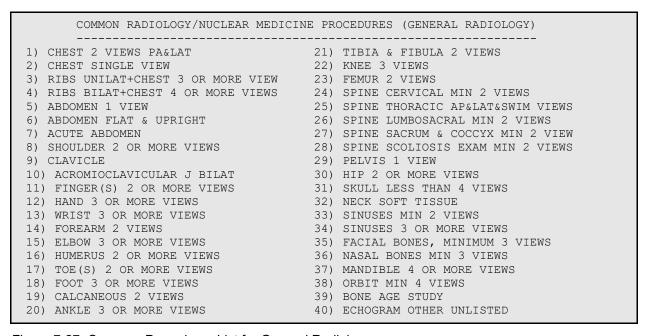


Figure 7-27: Common Procedures List for General Radiology

7.4.8 Procedure Edit Menu

7.4.8.1 Procedure Modifier Entry

Modifiers are words that can be used to better describe a procedure; the most common modifiers are LEFT and RIGHT. But very specific modifiers may be entered for billing purposes, e.g., FA for Left Hand, thumb, F1 for Left Hand, second digit; F2 for Left Hand, third digit, etc. While a modifier may be in the Procedure Modifier list, it may not be used for additional imaging types until those Imaging Types have been added to the Modifier. In Figure 7-28, Bilateral was already defined as a modifier, but the Imaging Type of MAMMOGRAPHY was added so that modifier could be used with that modality. Multiple imaging types may be added for each modifier.

```
Supervisor's Menu
Utility Files Maintenance Menu
Procedure Edit Menu
Procedure Modifier Entry

Select Procedure Modifier: BILATERAL EXAM (RAD)
Select TYPE OF IMAGING: GENERAL RADIOLOGY// MAMMOGRAPHY
Select TYPE OF IMAGING: ?
Answer with TYPE OF IMAGING
Choose from:
1 GENERAL RADIOLOGY
2 MAMMOGRAPHY

Note that this modifier may now be used both for General Radiology and Mammography
```

Figure 7-28: Adding an Imaging Type to a Procedure Modifier

7.4.8.2 Procedure Message Entry/Edit

When ordering a procedure, there may be certain patient preparation requirements that should be conveyed to the ordering provider. These requirements can be defined in Procedure Messages which can then be attached to the Procedures during the Procedure Enter/Edit process.

For example, a new Procedure Message is created in Figure 7-29 below.

It may subsequently be entered on the appropriate procedure when it is defined and will also display when the EHR quick order is created.

```
Select RAD/NUC MED PROCEDURE MESSAGE TEXT: ?

You may enter a new RAD/NUC MED PROCEDURE MESSAGE, if you wish Message can be 3-240 characters in length. It cannot be preceded with punctuation.

Select RAD/NUC MED PROCEDURE MESSAGE TEXT: SPECIAL PREPARATION IS REQUIRED FOR THIS PROCEDURE. PLEASE CONTACT THE RADIOLOGY DEPT FOR DIRECTIONS.
```

Figure 7-29: Creating a Procedure Message

7.4.8.3 Procedure Enter/Edit

This function allows the package coordinator to enter new procedures into the system and to edit existing procedures. Procedures must be defined correctly in the Radiology/Nuclear Medicine Procedure file before they can be used to create quick orders for EHR menus.

Entries in this procedure file are the allowable choices the user will be able to choose from at the "Procedure" prompt either while ordering, registering a patient for an exam, or editing an exam.

If the procedure has an inactivation date of less than the current date, then the procedure is not a valid choice and will not appear on the list of valid/active procedures when displayed to the user.

If you will be interfacing with a PACS or modality/worklist server, be careful about using a forward slash (/) or ampersand (&) in procedure names as these are HL7 encoding characters and may cause incorrect parsing of an HL7 order or exam message.

There are four types of procedures.

- 1. Detailed: Procedure is associated with one or more AMIS codes and must have a CPT or HCPCS code assigned to it.
- 2. Series: Procedure is associated with more than one AMIS code and must have a CPT code assigned to it.
- 3. Broad: Procedure is mainly used by the receptionist when scheduling a patient for an exam. It is used when he/she is not exactly sure which detailed or series procedure will be performed. However, before the exam can be considered complete, the Procedure must be changed to detailed or series.

If the division parameter requiring a detailed or series procedure upon initial exam registration is set to Yes, then the receptionist will not be allowed to select a broad procedure.

Note: Since the 2014 Meaningful Use in 2014, it has been recommended and trained to use only Detailed, Series, or Parent procedures as defined in the RAD/NUC MED Procedure File.

4. Parent: Procedure is a "placeholder" used for ordering one or more related procedures that are always reported together. It does not have a CPT code and is broken down into its descendant procedures which must be registered and edited. Parent procedures must have one or more descendant procedures, but a single report may be filed against all descendant procedures defined under a parent. Parent procedures are a convenient mechanism to generate multiple CPT codes for exams that are always performed in tandem, i.e., Digital Screening Mammogram and CAD.

When editing or creating new procedures, always continue on to run the validity check on CPT and stop codes. CPT codes are updated by the American Medical Association and IHS on an annual basis, but those updates do not automatically transfer into the Radiology/Nuclear Medicine procedure file. If a CPT code is no longer active, the original procedure must have an inactivation date assigned and a new procedure must be created with the new CPT code.

In Figure 7-30, a detailed procedure is edited for an ABDOMEN KUB with a procedure message. Note that modality is a required field for some modality worklist servers. You may need to confirm the modality code that you need to use with your interface.

```
Select Procedure Edit Menu Option: Procedure Enter/Edit
Select RAD/NUC MED PROCEDURES NAME: ABDOMEN
      1 ABDOMEN MIN 2 VIEWS + CHEST (ACUTE)
                                                                        (RAD Inactive)
                                                                        (RAD Detailed) CPT:74000
          ABDOMEN 1 VIEW
      3 ABDOMEN 2 VIEWS
                                                                        (RAD Inactive) CPT:74010
      4 ABDOMEN 3 OR MORE VIEWS
                                                                        (RAD Detailed) CPT:74020
      5 ABDOMEN FLAT & UPRIGHT
                                                                       (RAD Detailed) CPT:74010ress
<RETURN> to see more, '^' to exit this list, OR
CHOOSE 1-5:
      7 ABDOMEN FOR FETAL AGE 1 VIEW (RAD Inactive) CPT:74720
8 ABDOMEN MIN 3 VIEWS+CHEST (RAD Inactive) CPT:74022
9 ABDOMEN, COMPLETE
     10 ABDOMEN-KUB
                                                                        (RAD Broad ) CPT:74000
Press <RETURN> to see more, '^' to exit this list, OR
                                               (RAD Detailed) CPT:76700
CHOOSE 1-10: 9 ABDOMEN, COMPLETE
NAME: ABDOMEN, COMPLETE//
TYPE OF IMAGING: GENERAL RADIOLOGY//
TYPE OF PROCEDURE: DETAILED//
CONTRAST MEDIA USED: NO// No
Select MODALITY: ??
        You may enter a new MODALITY, if you wish
   Choose from:
   AS Angioscopy
   BI Biomagnetic Imaging
CD Color Flow Doppler
CF Cinefluorography (Retired)
CP Culposcopy
CR Computed Radiography
CS Cystoscopy
CT Computed Tomography
DD Duplex Doppler
DF Digital Fluoroscopy (Retired)
DG Diaphanography
DM Digital Microscopy
DS Digital Subtraction Angiography (Retired)
DX Digital Radiography
EC Echocardiography
ES Endoscopy
FA Fluorescein Angiography
FS Fundoscopy
IO Intra-oral Radiology (Retired)
LP Laparoscopy
Ls Laser Surface Scan
                Biomagnetic Imaging
            Laser Surface Scan
```

```
Magnetic Resonance Angiography
            Mammography
                           (Retired)
  MR
            Magnetic Resonance
  MS
            Magnetic Resonance Spectroscopy
            Nuclear Medicine
            Other
  ОТ
            Positron Emission Tomography (PET)
  PΤ
            Radio Fluoroscopy
            Radiographic Imaging (conventional film/screen)
  ST
            Single-Photon Emission Computed Tomography (SPECT)
  ΤG
            Thermography
            Ultrasound
  US
            Videofluorography
                                (Retired)
  VF
  VL
            Visable Light
  XA
           X-Ray Angiography
Select MODALITY: DX
                      Digital Radiography
 Are you adding 'DX' as a new MODALITY (the 1ST for this RAD/NUC MED PROCEDURES)?
No// Y (Yes)
Select MODALITY:
HEALTH SUMMARY WITH REQUEST:
Select SYNONYM:
PROMPT FOR MEDS:
Select DEFAULT MEDICATION:
Select AMIS CODE: ABDOMEN-KUB
 AMIS WEIGHT MULTIPLIER: 1
 BILATERAL?:
Select AMIS CODE:
CPT CODE// 76700 (no editing)
Select DEFAULT CPT MODIFIERS (PROC):
STAFF REVIEW REQUIRED: NO//
RAD/NM PHYS APPROVAL REQUIRED: NO//
REQUIRED FLASH CARD PRINTER:
REQUIRED FLASH CARD FORMAT:
Select FILM TYPE: DIGITAL
 Are you adding 'DIGITAL' as a new FILMS NEEDED (the 1ST for this RAD/NUC MED
PROCEDURES)? No// Y (Yes)
 NORMAL AMOUNT NEEDED FOR EXAM: 1
Select FILM TYPE:
Select MESSAGE: SP
       SPECIAL PREPARATION IS REQUIRED FOR THIS PROCEDURE. PLEASE CONTACT THE
RADIOLOGY DEPT FOR DIRECTIONS.
    2 SPECIAL PREPARATION REQUIRED - PLEASE CONTACT RADIOLOGY DEPARTMENT
CHOOSE 1-2: 1 SPECIAL PREPARATION IS REQUIRED FOR THIS PROCEDURE. PLEASE CONTACT
THE RADIOLOGY DEPT FOR DIRECTIONS.
 Are you adding 'SPECIAL PREPARATION IS REQUIRED FOR THIS PROCEDURE. PLEASE CONTACT
THE RADIOLOGY DEPT FOR DIRECTIONS.' as
   a new MESSAGE (the 1ST for this RAD/NUC MED PROCEDURES)? No// Y (Yes)
Select MESSAGE:
EDUCATIONAL DESCRIPTION:
 No existing text
 Edit? NO//
INACTIVATION DATE:
Select RAD/NUC MED PROCEDURES NAME:
Want to run a validity check on CPT and stop codes? NO//YES
```

Figure 7-30: Editing a procedure

In order to create parent procedures, all descendant procedures must first be defined under **Procedure Enter/Edit** and they must all have the same imaging type. Once that has been confirmed, the parent procedure may be created. A common parent procedure that may be requested is a CT of a chest, abdomen, and pelvis, a CAP procedure. A parent procedure does not require a CPT code. Therefore, a parent procedure may be created using the two descendants, CT Chest (Thorax) without contrast, CPT 71250, and CT Abdomen and Pelvis without contrast, CPT 74176.

```
Select Procedure Edit Menu Option: proce
        Procedure Enter/Edit
        Procedure Message Entry/Edit
      Procedure Modifier Entry
CHOOSE 1-3: 1 Procedure Enter/Edit
Select RAD/NUC MED PROCEDURES NAME: CT CHEST, ABDOMEN, PELVIS WO CONTRAST(
ABDOMEN/ABDOMENFLANKBACK/ABDOMENVENOUS CONTRAST PELVIS/PELVISACRAL/PELVISHIP THORAX/
THORAXLUMBAR )
The following words were not used in this search:
    MO
Attempting FILEMAN lookup...
  Are you adding 'CT CHEST, ABDOMEN, PELVIS WO CONTRAST' as
   a new RAD/NUC MED PROCEDURES (the 748TH)? No// Y (Yes)
   RAD/NUC MED PROCEDURES TYPE OF PROCEDURE: PA PARENT
NAME: CT CHEST, ABDOMEN, PELVIS WO CONTRAST Replace
TYPE OF IMAGING: CT SCAN
TYPE OF PROCEDURE: PARENT//
SINGLE REPORT: Y YES
HEALTH SUMMARY WITH REQUEST:
Select SYNONYM: CAP
 Are you adding 'CAP' as a new SYNONYM (the 1ST for this RAD/NUC MED PROCEDURES
)? No// Y (Yes)
Select SYNONYM:
RAD/NM PHYS APPROVAL REQUIRED: NO//
Select MESSAGE:
Select DESCENDENTS: 71250
                           CT THORAX W/O DYE
      COMPUTED TOMOGRAPHY, THORAX; WITHOUT CONTRAST MATERIAL CT THORAX W/O CONT
(CT Detailed) CPT:71250
 Are you adding 'CT THORAX W/O CONT' as a new DESCENDENTS (the 1ST for this RAD/NUC
MED PROCEDURES)? No// Y (Yes)
Select DESCENDENTS: CT ABDOMEN( ABDOMEN/ABDOMENFLANKBACK/ABDOMENVENOUS )
The following word was not used in this search:
 Attempting FILEMAN lookup... AND PELVIS WO CONTRAST (CT
                                                          Detailed) CPT:74176
 Are you adding 'CT ABDOMEN AND PELVIS WO CONTRAST' as
   a new DESCENDENTS (the 2ND for this RAD/NUC MED PROCEDURES)? No// Y (Yes)
Select DESCENDENTS:
EDUCATIONAL DESCRIPTION:
  No existing text
 Edit? NO//
```

INACTIVATION DATE:

Figure 7-31: Creating a Parent Procedure

7.4.9 Reason Edit

This option allows managers to modify or add reasons that can be selected by users who are cancelling and or holding Imaging orders. When canceling an exam, the user will normally see the following in Figure 7-32.

```
RAD- Exam Entry/Edit Menu ... Cancel an Exam
Select Exam Entry/Edit Menu Option: CANCEL an Exam
Enter Case Number: 082713-2
Choice Case No. Procedure
                                                      Name
                                                                                    Pt ID
_____
                           _____
                                                        -----
1 082713-2 ANKLE 3 OR MORE VIEWS GUMP, BJ
                                                                                     876
Do you wish to cancel this exam now? NO// Y
       ...exam status backed down to 'CANCELLED'
      STATUS CHANGE DATE/TIME: SEP 30,2013@09:17//
      TECHNOLOGIST COMMENT:
    REASON FOR CANCELLATION: ??
         This is the reason this exam was cancelled.
   Choose from:
                                                                     Synonym: ANES
   1 ANESTHESIA CONSULT NEEDED
   6
                  CONFLICT OF EXAMINATIONS
                                                                      Synonym: CON
                                                                     Synonym: DUP
                  DUPLICATE REQUESTS
  8 INADEQUATE CLINICAL HISTORY
13 PATIENT CONSENT DENIED
14 PATIENT EXPIRED
17 REQUESTING PHYSICIAN CANCELLED
19 WRONG EXAM REQUESTED
20 EXAM CANCELLED
21 EXAM DELETED
22 CALLED-WARD DID NOT SEND
23 RESCHEDULED
24 DID NOT KEEP APPT
25 PATIENT NOT PROPERLY PREP'D
26 PATIENT CANCELLED EXAM
27 RADIOLOGIST CANCELLED EXAM
28 EQUIPMENT FAILURE
29 WRONG PATIENT REQ'D
   8
                                                                     Synonym: INAD
                 INADEQUATE CLINICAL HISTORY
                                                                     Synonym: PCD
                                                                     Synonym: EXP
                                                                     Synonym: REQ
                                                                     Synonym: WRN
                                                                     Synonym: CAN
                                                                     Synonym: DEL
                                                                     Synonym:
                                                                     Synonym: RSCH
                                                                    Synonym: DNKA
                                                                    Synonym: NOPREP
                                                                    Synonym: PTCAN
                                                                      Synonym: RADCAN
                                                                      Synonym: EQ
                                                                      Synonym: WRGPT
    REASON FOR CANCELLATION: 24 DID NOT KEEP APPT Synonym: DNKA
           ...cancellation complete.
Do you want to cancel the request associated with this exam? No// (No)
HOLD DESCRIPTION:
 No existing text
  Edit? NO//
           ...request status updated to hold.
```

Figure 7-32: Entering a reason for cancelling an exam

The list of reasons may be supplemented as shown in Figure 7-33. Be sure to list the reason before attempting to create a new entry.

```
Supervisor Menu
Utility Files Maintenance Menu
Reason Edit

Select RAD/NUC MED REASON: DUPLICATE REQUESTS Synonym: DUP
REASON: DUPLICATE REQUESTS//
TYPE OF REASON: CANCEL REQUEST//
SYNONYM: DUP//
NATURE OF ORDER ACTIVITY: type a caret (^) to bypass entry
```

Figure 7-33: Adding a new reason to the Reason List

Note: Type a caret (^) to bypass the "Nature of Order Activity" prompt.

8.0 Building Radiology Quick Orders and Menus

The menus that providers see when ordering Radiology procedures in EHR are site-configured. Radiology procedures are made into Quick Orders and then those quick orders are "hung" on menus. It is highly recommended that whoever builds the Radiology Order Menus confer with Provider staff for the most logical and easy format for the providers to use. A sample menu is shown in Figure 8-1. Note that besides the actual orderable procedures, there are also text headers which help to organize the orderable items into logical groupings.

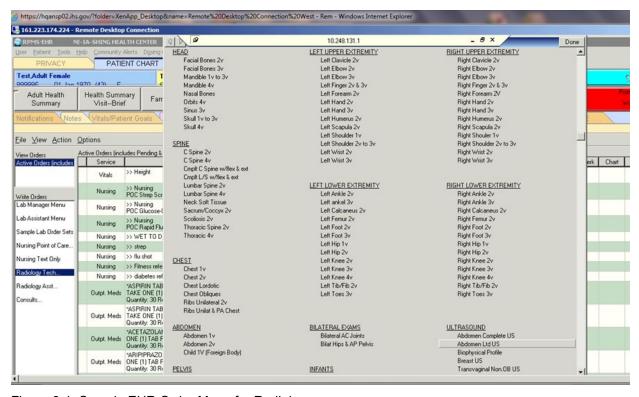


Figure 8-1: Sample EHR Order Menu for Radiology

No attempt should be made to build quick orders or EHR menus until the Radiology Package has been configured.

8.1 Quick Orders

The term quick order refers to the orderable items that have been created for use in the EHR. They fall into several categories – Nursing, Lab, Pharmacy, Immunizations, Imaging, etc. Radiology procedures cannot be assigned directly to an EHR order menu but must first be made into quick orders.

The menu path to build Radiology quick orders and menus may have different mnemonics on different RPMS systems, but both options may be found on the **CPRS Configuration (Clin Coord)** menu. If "jumping" is allowed on your RPMS system, you may use the convention of using a caret (^) followed by the menu mnemonic to go directly to the Quick Order option, e.g., ^QO.

A typical menu path is displayed in Figure 8-2.

```
Select IHS Kernel Option: EHR EHR Main Menu
  APT Appointment Management
  BED Bed Control ...
  CON
        Consult Management ...
  CPRS CPRS Manager Menu ...
  EHR RPMS-EHR Configuration Master Menu ...
  HS
       Health Summary Maintenance ...
        Immunization Menu ...
  IMM
         TIU Menu for Medical Records ...
  MTIU
  REG
REM
         Patient registration ...
        Reminder Managers Menu ...
  TIU TIU Menu for Clinicians ...
Select EHR Main Menu Option: CPRS CPRS Manager Menu
        Clinician Menu ...
       Nurse Menu ...
  WC
       Ward Clerk Menu ...
  PE
        CPRS Configuration (Clin Coord) ...
        CPRS Configuration (IRM) ...
Select CPRS Manager Menu Option: PE CPRS Configuration (Clin Coord)
       Allocate OE/RR Security Keys
        Check for Multiple Keys
       Edit DC Reasons
  GP GUI Parameters ...
  GA GUI Access - Tabs, RPL
  MI
       Miscellaneous Parameters
  NO Notification Mgmt Menu ...
  OC
       Order Checking Mgmt Menu ...
  MM Order Menu Management ...
     Patient List Mgmt Menu ...
  LI
        Print Formats
        Print/Report Parameters ...
        Release/Cancel Delayed Orders
       Unsigned orders search
  US
       Set Unsigned Orders View on Exit
       Search orders by Nature or Status
  CM Care Management Menu ...
  DO Event Delayed Orders Menu ...
  LO Lapsed Orders search
       Performance Monitor Report
```

```
Select CPRS Configuration (Clin Coord) Option: MM Order Menu Management
         Manage orderable items ...
        Enter/edit prompts
         Enter/edit generic orders
         Enter/edit quick orders
   QU
         Edit personal quick orders by user
         Enter/edit order sets
         Enter/edit actions
  MN
         Enter/edit order menus
         Assign Primary Order Menu
  ΑO
        Convert protocols
  CP
  SR
        Search/replace components
        List Primary Order Menus
        Disable/Enable order dialogs
        Review Quick Orders for Inactive ICD9 Codes
        Medication Quick Order Report
   CV
        Convert IV Inpatient QO to Infusion QO
```

Figure 8-2: Menu path to create ENR Quick Order

```
Select Order Menu Management Option: QO Enter/edit quick orders
```

Figure 8-3: QO Enter/edit quick orders menu option

In Figure 8-4, a quick order is created for a Left Hand 1 or 2 views, CPT 73120.

```
Select Order Menu Management Option: Enter/edit quick orders
Select QUICK ORDER NAME: RAZ HAND 1 OR 2 VIEWS LEFT
 Are you adding 'RAZ HAND 1 OR 2 VIEWS LEFT' as
   a new ORDER DIALOG? No// Y (Yes) << Note the convention of using RAZ for
Radiology quick orders.
TYPE OF QUICK ORDER: IMAGING << Use Imaging, Not Radiology.
NAME: RAZ HAND 1 OR 2 VIEWS LEFT Replace
DISPLAY TEXT: Hand 1 or 2 Views, Left << This is the text that displays on the EHR
Order screen.
VERIFY ORDER: YES
DESCRIPTION:
 No existing text
 Edit? NO//
ENTRY ACTION:
Note that a Common Procedure List will be displayed ONLY if it has been built in the
Radiology Package. A Common Procedure List is not required as Procedures may be
entered by CPT code or by Name as well as by the procedure number on the common
procedure list.
Common General Radiology Procedures:
 1 ABDOMEN 1 VIEW
                                        21 HAND 3 OR MORE VIEWS
 2 ABDOMEN 3 OR MORE VIEWS
                                        22 HIP 2 OR MORE VIEWS
 3 ANKLE 3 OR MORE VIEWS
                                        23 KNEE 3 VIEWS
 4 CALCANEOUS 2 VIEWS
                                        24 KNEES BILATERAL STANDING
 4 CALCANEOUS 2 VIEWS
5 CHEST 2 VIEWS PA&LAT
                                        25 OB TRANSVAGINAL US
 6 CLAVICLE 26 OB ULTRASOUND <14 WKS 7 ECHOGRAM ABDOMEN COMPLETE 27 PELVIS 1 VIEW
  8 ECHOGRAM BREAST B-SCAN &/OR REAL TIM 28 RIBS UNILAT 2 VIEWS
  9 ECHOGRAM PELVIC COMPLETE
                                29 SHOULDER 2 OR MORE VIEWS
```

```
10 ECHOGRAM RETROPERITONEAL COMPLETE 30 SPINE CERVICAL MIN 2 VIEWS
 11 ECHOGRAM THYROID B-SCAN &/OR REAL TI 31 SPINE CERVICAL MIN 4 VIEWS
11 ECHOGRAM THYROID B-SCAN &/OR REAL TI 31 SPINE CERVICAL MIN 4 VIEWS
12 ECHOGRAPHY, TRANSVAGINAL
32 SPINE LUMBOSACRAL MIN 2 VIEWS
13 ELBOW 2 VIEWS
33 SPINE LUMBOSACRAL MIN 4 VIEWS
14 ELBOW 3 OR MORE VIEWS
34 SPINE SI JOINTS 1 OR 2 VIEWS
15 FACIAL BONES, LESS THAN 3 VIEWS
35 SPINE STANDING SCOLIOSIS
16 FACIAL BONES, MINIMUM 3 VIEWS
36 SPINE THORACIC 2 VIEWS
17 FEMUR 2 VIEWS
37 TIBIA & FIBULA 2 VIEWS
18 FINGER(S) 2 OR MORE VIEWS
38 TM JOINTS BILAT O&C MOUTH
19 FOOT 3 OR MORE VIEWS
39 TOE(S) 2 OR MORE VIEWS
20 HAND 1 OR 2 VIEWS
21 Padiology Proceedure: 20 HAND 1 OR 2 VIEWS
Radiology Procedure: 20 HAND 1 OR 2 VIEWS
Procedure Modifier: LEFT << Modifiers are not required for quick orders but often
help to ensure that the provider does not forget to specify details of the exam. In
addition, it is helpful in arranging quick orders on the menu.
Another Procedure Modifier:
History and Reason for Exam:
  No existing text
  Edit? No// (No)
Category: OUTPATIENT << This field is not required but the provider must then
specify the appropriate Category when ordering if it is not defined in the quick
Is this patient scheduled for pre-op? NO//
Date Desired: TODAY// << Not required but if not defaulted, provider must enter.
Mode of Transport: AMBULATORY << Not required but if not specified, provider must
Is patient on isolation procedures? NO << Not required but if not specified,
provider must enter.
Urgency: ROUTINE// << Not required but if not specified, provider must enter.</pre>
           Radiology Procedure: HAND 1 OR 2 VIEWS
           Procedure Modifiers: LEFT
                        Category: OUTPATIENT
                    Date Desired: TODAY
             Mode of Transport: AMBULATORY
          Isolation Procedures: NO
                          Urgency: ROUTINE
             Submit request to: RADIOLOGY
(P)lace, (E)dit, or (C)ancel this quick order? PLACE//
Auto-accept this order? NO//
```

Figure 8-4: Creating an EHR quick order

If more than one imaging type has been configured for a Radiology Department, the individual defining the quick order will have to specify the Imaging Type for that quick order as in the examples below for CT (Figure 8-5) and Ultrasound (Figure 8-6) procedures.

In the example for a CT Head/Brain without Contrast below, note that a Common Procedure List is not available for CT and that the Procedure has been entered by CPT Code. Also, note that several of the fields, Category, Date Desired, Mode of Transport, and Isolation Procedures have all been left without entries. The provider ordering this exam would then have to supply this information when placing an order. To save the provider time during order entry, it is highly recommended that as many fields as possible be pre-populated when creating quick orders.

```
Select QUICK ORDER NAME: RAZ CT HEAD/BRAIN W/CONTRAST
 Are you adding 'RAZ CT HEAD/BRAIN W/CONTRAST' as
   a new ORDER DIALOG? No// Y (Yes)
TYPE OF QUICK ORDER: IM
    1
       IMAGING
    2 IMM IMMUNIZATIONS
CHOOSE 1-2: 1 IMAGING
NAME: RAZ CT HEAD/BRAIN W/CONTRAST Replace
DISPLAY TEXT: CT Head/Brain w/Contrast
VERIFY ORDER:
DESCRIPTION:
 1 >
ENTRY ACTION:
Select one of the following imaging types:
  CT SCAN
  MAGNETIC RESONANCE IMAGING
  GENERAL RADIOLOGY
  ULTRASOUND
Select IMAGING TYPE: ct SCAN
CT Scan Procedure: 70460 CT HEAD/BRAIN W/ CONTRAST
                                                      CT HEAD/BRAIN W/ CONTRAST
Procedure Modifier:
Reason for Study:
Clinical History:
Category:
Is this patient scheduled for pre-op? NO//
Date Desired:
Mode of Transport:
Is patient on isolation procedures?
Urgency: ROUTINE//
         CT Scan Procedure: CT HEAD/BRAIN W/ CONTRAST
                   Urgency: ROUTINE
         Submit request to: CT SCAN
(P) lace, (E) dit, or (C) ancel this quick order? PLACE//
Auto-accept this order? NO//
```

Figure 8-5: Creating a quick order for a CT procedure

The example in Figure 8-6 shows creation of a quick order for an Ultrasound procedure, again with many of the field left blank, requiring provider entry of those fields during the ordering process.

```
Select QUICK ORDER NAME: RAZ US RETROPERITONEAL RT W/IMAGE LMT
 Are you adding 'RAZ US RETROPERITONEAL RT W/IMAGE LMT' as
   a new ORDER DIALOG? No// Y (Yes)
TYPE OF QUICK ORDER: IMAGING
NAME: RAZ US RETROPERITONEAL RT W/IMAGE LMT Replace
DISPLAY TEXT: US Retroperitoneal RT w/Image Lmtd
VERIFY ORDER:
DESCRIPTION:
ENTRY ACTION:
Select one of the following imaging types:
  CT SCAN
  MAGNETIC RESONANCE IMAGING
  GENERAL RADIOLOGY
  ULTRASOUND
Select IMAGING TYPE: ULTRASOUND
Ultrasound Procedure: 76775 US RETROPERITONEAL LIMITED US RETROPERITONEAL
TITMTTED
Procedure Modifier:
Reason for Study:
Clinical History:
 1>
Category:
Is this patient scheduled for pre-op? NO//
Date Desired:
Mode of Transport:
Is patient on isolation procedures?
Urgency: ROUTINE//
       Ultrasound Procedure: US RETROPERITONEAL LIMITED
                   Urgency: ROUTINE
          Submit request to: ULTRASOUND
(P) lace, (E) dit, or (C) ancel this quick order? PLACE//
Auto-accept this order? NO//
```

Figure 8-6: Creating a quick order for an Ultrasound Procedure

8.2 Creating an EHR Order Menu ↓for Radiology

The menu that is displayed in Figure 8-1 was created after the Radiology Quick Orders were created. Sites that have more than one Division or more than one Imaging Type may choose to create more than one menu to match their Divisions or Imaging Types.

The menu path to access the MN Enter/edit order menus option is also accessed from the CPRS Configuration (Clin Coord) menu for Order Menu Management. The convention used to create Radiology menus is to use the prefix RAZM on any Radiology or Imaging Type of menu. It is highly recommended that a prototype of the menu or menus be laid out before accessing this menu option. Remember that the menu that will be viewed consists of both text and headers that are used to organize the quick orders and well as menu items which are the quick orders.

```
Manage orderable items ...
   PM
        Enter/edit prompts
   GO
        Enter/edit generic orders
   QO Enter/edit quick orders
      Edit personal quick orders by user
   QU
        Enter/edit order sets
   ST
  AC
         Enter/edit actions
  MN
         Enter/edit order menus
         Assign Primary Order Menu
   AΟ
   CP
         Convert protocols
        Search/replace components
   SR
  LM List Primary Order Menus
  DS
        Disable/Enable order dialogs
  CS
        Review Quick Orders for Inactive ICD9 Codes
        Medication Quick Order Report
        Convert IV Inpatient QO to Infusion QO
Select Order Menu Management Option: MN Enter/edit order menu
Select ORDER MENU: RAZM RADIOLOGY MENU
Are you adding 'RAZM RADIOLOGY MENU' as a new ORDER DIALOG? No// Y
Do you wish to copy an existing menu? YES// NO
DISPLAY TEXT: RADIOLOGY MENU
DESCRIPTION:
  No existing text
  Edit? NO//
COLUMN WIDTH: ??
This is the width, in characters, for each column in a menu. For example, to have 3
columns on an 80 character device, enter a width of 26.
COLUMN WIDTH: 26
MNEMONIC WIDTH: ??
This field allows the width of item mnemonics to be varied; the default value is 5.
The mnemonic width determines the indentation of menu items under the text header.
MNEMONIC WIDTH: 2
PATH SWITCH: ??
This switch allows the user, when traversing back UP the tree of menus and items, to
select a new path back down the tree. In other words, the menu is redisplayed when
returning to that menu's level in the tree and processing back down the tree is
possible from that point. If nothing is selected from the menu, the path continues
back up the tree.
Choose from:
      YES
      NO
ENTRY ACTION:
This is MUMPS code that will be executed when accessing the menu.
EXIT ACTION:
This is MUMPS code that will be executed upon completion of processing the dialog;
it is currently used only with dialog-type entries.
```

Figure 8-7: Creating a new Menu for Radiology

When the initial dialogue for creating a menu has been completed, a blank menu template is displayed on the screen as below. Options for creating and managing the menu are listed below the blank menu screen.

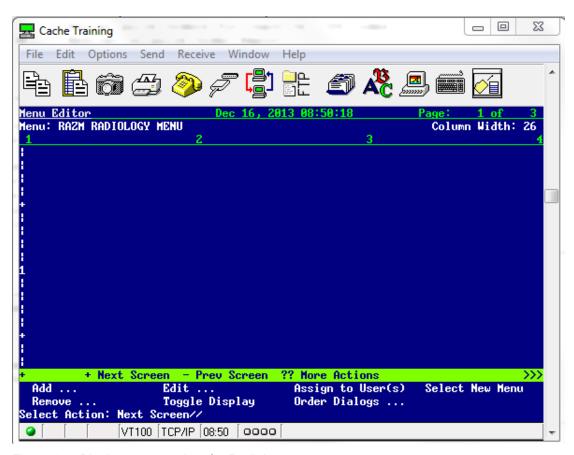


Figure 8-8: Blank menu template for Radiology

Add permits the user to add either a text header or a menu item (orderable item.) In either case, the user must specify the Row Number and Column where they wish the text or the orderable item to appear. Note that the left-hand margin of the Menu Editor shows |, +, and numbers (1,2,3, etc.). The first + represents Row 5, each | increments by one until the number 1 is reached which represents Row 10. Then each | after 1 increments as 1, so the lines represent Rows 11, 12, 13, and 14 until the next + is reached which represents Row 15. This pattern is repeated, and menu items or text headers may be added to create a menu as long as the user desires.

Remove allows the user to remove either menu items or text headers which they no longer wish to display on the order menu. The user must identify which item they wish removed and whether they wish to retain the current spacing in that column or allow shifting up of the menu items to prevent a gap in the menu.

Edit allows the user to edit either a text header or a menu item.

Toggle Display allows the user to actually see the quick orders on the menu instead of the Display text for the orderable items.

Assign to User(s) allows the user to identify which persons or categories of division, institution, etc., will be allowed to see and use this order menu. Typically, the menu would be assigned to a Division.

Figure 8-9: Assigning EHR Order Menu to User(s)

When building a menu, some users prefer working across the columns and others prefer completing all entries in a column before moving to the next column. If it is determined during the menu building process that the column width must be changed or the mnemonic width should be altered, those changes may be implemented by choosing the **Edit** option and then selecting **Menu**.

In the dialogue displayed in Figure 8-10, the first text header is added for **HEAD**. By indicating that it is a HEADER, the text will be underlined on the menu.

```
Add ...
                  Edit ...
                                    Assign to User(s) Select New
Menii
 Remove ... Toggle Display Order Dialogs ...
Select Action: Next Screen// A
   1 Add ...
   2 Assign to User(s)
CHOOSE 1-2: 1
                         Text or Header
   Menu Items
                                                 Row
Add: T Text or Header
DISPLAY TEXT: HEAD
ROW: 1
COLUMN: 1
HEADER: YES
DISPLAY TEXT
```

Figure 8-10: Creating a Text Header

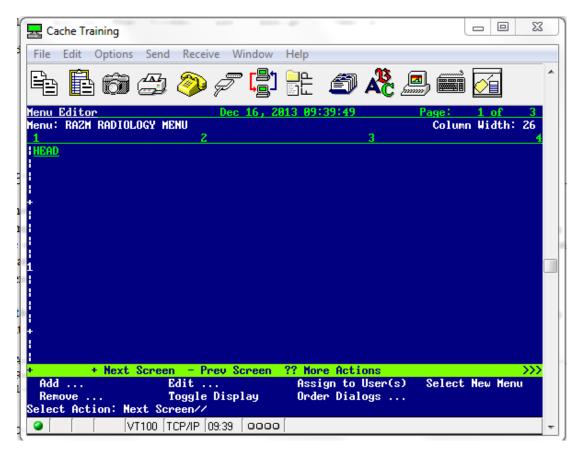


Figure 8-11: Displaying the Text Header on the Menu

That process can be repeated to add the Headers for LEFT UPPER EXTREMITY and RIGHT UPPER EXTREMITY.

```
Add ...
                    Edit ...
                                       Assign to User(s)
                                                          Select New
Menu
 Remove ...
             Toggle Display Order Dialogs ...
Select Action: Next Screen// A
    1 Add ...
    2 Assign to User(s)
CHOOSE 1-2: 1
   Menu Items
                           Text or Header
                                                   Row
Add: T Text or Header
DISPLAY TEXT: LEFT UPPER EXTREMITY
ROW: 1
COLUMN: 1
HEADER: YES
DISPLAY TEXT
 Add ...
                    Edit ...
                                      Assign to User(s) Select New
Menu
                   Toggle Display
                                     Order Dialogs ...
 Remove ...
Select Action: Next Screen// A
    1 Add ...
```

```
2 Assign to User(s)
CHOOSE 1-2: 1
Menu Items Text or Header Row

Add: T Text or Header
DISPLAY TEXT: RIGHT UPPER EXTREMITY
ROW: 1
COLUMN: 1
HEADER: YES

DISPLAY TEXT
```

Figure 8-12: Adding Additional Text Headers

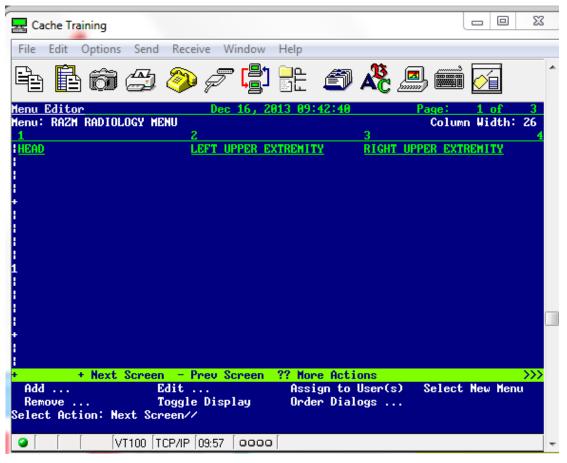


Figure 8-13: Displaying three columns with text headers

Next proceed to adding orderable items. Note that the headers occupy the first line so the first menu item can only be added to line 2. Unlike text and headers which will always return to the menu between entries, menu items may be added one after another as shown in Figure 8-14.

```
Add ... Edit ... Assign to User(s) Select New Menu
Remove ... Toggle Display Order Dialogs ...
Select Action: Next Screen// A

1 Add ...
```

```
2 Assign to User(s)
CHOOSE 1-2:1
               Text or Header
  Menu Items
                                                      Row
Add: M Menu Items
ITEM: RAZ FAC
  1 RAZ FACIAL BONES 2 V
2 RAZ FACIAL BONES 3 V
CHOOSE 1-2: 1 RAZ FACIAL BONES 2 V
ROW: 2
COLUMN: 1
DISPLAY TEXT:
MNEMONIC:
ITEM: RAZ FACIAL BONES 3 V
ROW: 3
COLUMN: 1
DISPLAY TEXT:
MNEMONIC:
ITEM: RAZ MANDIBLE
 1.RAZ MANDIBLE
   2.RAZ MANDIBLE >4V
CHOOSE 1-2: 1 RAZ MANDIBLE
ROW: 4
COLUMN: 1
DISPLAY TEXT:
MNEMONIC:
ITEM: RAZ MANDIBLE
   1 RAZ MANDIBLE
   2 RAZ MANDIBLE >4V
CHOOSE 1-2: 2 RAZ MANDIBLE >4V
ROW: 5
COLUMN: 1
DISPLAY TEXT:
MNEMONIC:
ITEM: RAZ NASAL BONES
ROW: 6
COLUMN: 1
DISPLAY TEXT:
MNEMONIC:
ITEM: RAZ ORBITS
ROW: 7
COLUMN: 1
DISPLAY TEXT:
MNEMONIC:
ITEM:
```

Figure 8-14: Adding Menu Items

The resulting menu currently looks like that shown in Figure 8-15.

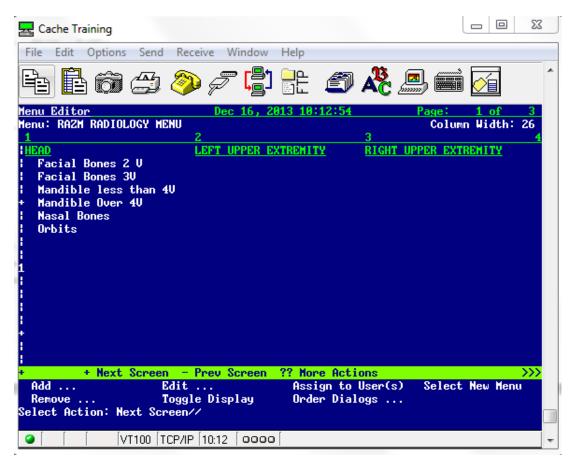


Figure 8-15: Partially built menu with text headers and some menu items

When you review the menu after adding a number of menu items, you may decide that you wish to alter the display of one or more menu items. For example, there is a discrepancy in the display of Facial Bones between 2 V and 3V. So in Figure 8-16, the user can alter the display of the Facial Bones 2 V to Facial Bones 2V to be consistent by choosing the **Edit** option.

```
Add ...
                      Edit ...
                                          Assign to User(s)
                                                              Select New Menu
  Remove ...
                      Toggle Display
                                          Order Dialogs ...
Select Action: Next Screen// E
    Items or Text
                                                        Row and Column
Edit: I
        Items or Text
Select Item(s): Faci
     1 Facial Bones 2 V
        Facial Bones 3V
CHOOSE 1-2: 1 Facial Bones 2 V
ITEM: RAZ FACIAL BONES 2 V//
DISPLAY TEXT: Facial Bones 2V << Note: This is an alternative Display text that
differs from that entered when the quick order was built.
MNEMONIC:
ROW: 2//
COLUMN: 1//
```

Edit this quick order? YES// NO

Figure 8-16: Changing the Display Text for a Menu Item

When the Menu displays again, the new display text is in place.

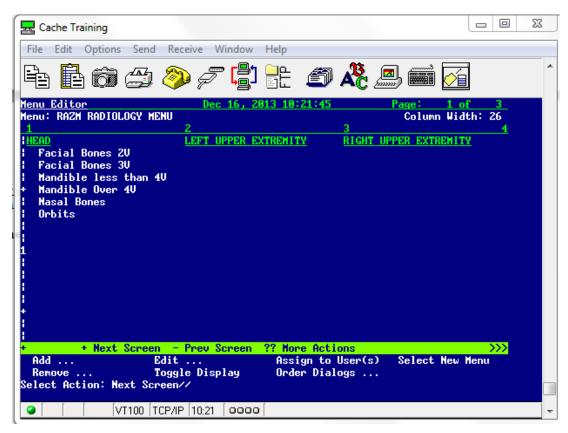


Figure 8-17: EHR Order menu with corrected item display

If you wish to actually see the quick orders associated with the menu items, you may choose the **Toggle Display** option. That is sometimes useful to see which quick order has been associated with a selectable menu item.

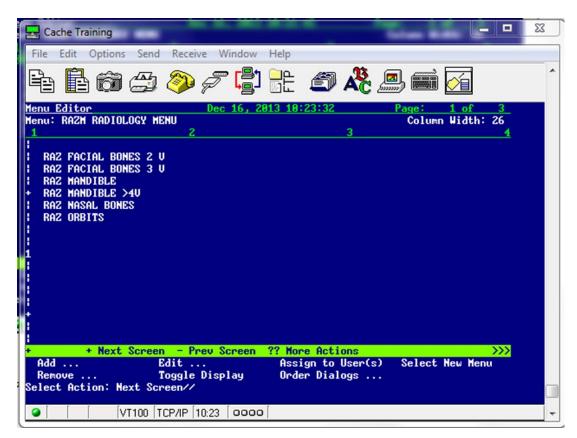


Figure 8-18: Menu with Toggle to show quick orders for menu items

When adding items to the menu, you may encounter messages indicating that another item is already in the position you have specified for the new item. You may choose to ignore that message and indeed insert an item that may have been skipped to maintain your desired order.

If you wish to insert an item into the menu, answer **YES** at the "Do you want to shift items in this column down?" prompt.

```
Add: M Menu Items
ITEM: RAZ S

1 RAZ SINUSES > 3V

2 RAZ SINUSES MIN 2V
CHOOSE 1-2: 2 RAZ SINUSES MIN 2V
ROW: 7
COLUMN: 1
There is another item in this position already!
Do you want to shift items in this column down? YES//
```

Figure 8-19: Inserting Menu Item and shifting existing items down

Normally EHR menus are maintained by the Clinical Application Coordinator (CAC) at a facility, but some Radiology Supervisors prefer to maintain their own menus. More extensive directions on menu management may be found in EHR documentation for CACs: https://www.ihs.gov/EHR/index.cfm?module=cac.

9.0 Radiology Workflow

Figure 9-1 displays the Radiology workflow expected for a site using EHR and that has an onsite Radiology transcriptionist and Radiologist. This may also be the workflow at a site that has on-site Radiology, but reports are provided by an outside Radiology provider without an interface. Reports may be manually entered (copied and pasted) by Radiology staff and verified by those staff.

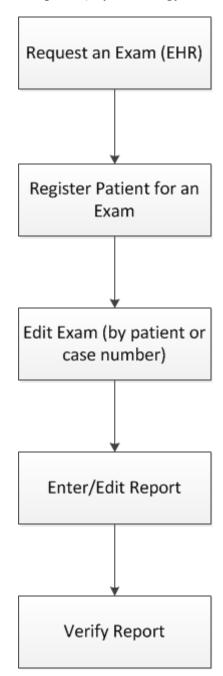


Figure 9-1: Radiology Workflow at a site with Transcriptionist and Radiologist

The second workflow (Figure 9-2) is slightly different for a site that has a Reports interface. Reports normally not only upload to the reports module in RPMS but are also automatically verified. In a scenario such as this, it is absolutely critical that all mandatory fields, such as pregnancy status, technologist, room/camera, and films be entered as set in the examination status file. If any mandatory fields are skipped during the Edit Exam process, the procedure will not go to a status of Complete.

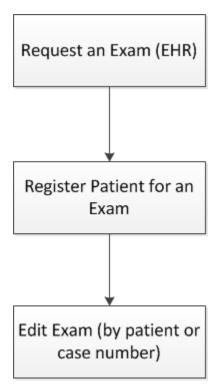


Figure 9-2: Workflow for site with a reports interface

The third scenario (Figure 9-3) may be for a site that offers limited or no Radiology services on site and gets hard-copy reports back from an outside Radiology service.

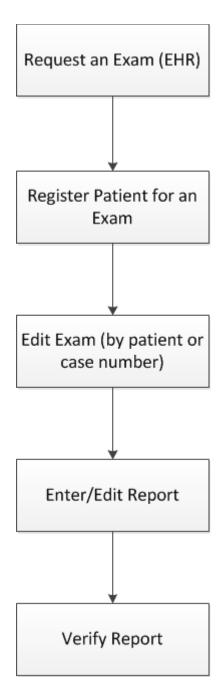


Figure 9-3: Workflow for site with limited or no radiology service on site

There may be slight alterations to these scenarios depending on whether VISTA Imaging is used. The goal in all cases is to demonstrate that an order has been placed in EHR from the requesting provider and that order has moved from a status of Pending to Complete. There is an advantage to providers at sites that have reporting capabilities or are using VISTA Imaging in that both reports and/or images may be viewed on the reports tab in EHR.

10.0 Radiology/Nuclear Med Order Entry Menu

10.1 Requesting an Exam in RPMS

As was noted in the previous section, the goal is to enable the providers to order all exams in EHR. That may not always be possible; examples being an order from an outside provider or an order that cannot be found when a patient presents for an exam.

Note that when an order is placed via the RPMS menu, the Nature or Order will default to SVC Correction.

Note also that if this patient had been a female of child-bearing age or an individual of unknown gender, the individual placing the order would have been prompted to enter the patient's pregnancy status of Y - Yes, N - No, or U - Unknown.

```
RAD
        Rad/Nuc Med Total System Menu ...
Radiology/Nuclear Med Order Entry Menu ...
Request an Exam
Select Radiology/Nuclear Med Order Entry Menu Option: request an Exam
Select PATIENT NAME:
  DEMO, PATIENT SJ
                                              F 08-10-19XX XXX-XX-0983 WW 999984
Patient Location: MAMMOGRAPHY
Case # Last 5 Procedures/New Orders Exam Date Status of Exam Imaging Loc.
           HIP 2 OR MORE VIEWS

CHEST 2 VIEWS PA&LAT

DEC 6,2013 COMPLETE

RADIOLOGY

ANKLE 3 OR MORE VIEWS

AUG 28,2003 COMPLETE

RADIOLOGY

UROGRAM INTRAVENOUS

SEP 2,2001 COMPLETE

RADIOLOGY

UROGRAM INTRAVENOUS

SEP 2,2001 CANCELLED

RADIOLOGY

CHEST SINGLE VIEW

Ord 12/18/13

RADIOLOGY
                                                            Ord 12/18/13 RADIOLOGY
           CHEST SINGLE VIEW
Press <RETURN> key to continue.
Copy a previous order's ICD codes? NO//
Select one of the following imaging types:
   GENERAL RADIOLOGY
   MAMMOGRAPHY
            COMMON RADIOLOGY/NUCLEAR MEDICINE PROCEDURES (MAMMOGRAPHY)
                                         3) MAMMOGRAM G0206
 1) MAMMOGRAM G0202
 2) MAMMOGRAM G0204
Select Procedure (1-3) or enter '?' for help: 2
Processing procedure: MAMMOGRAM G0204
Select PROCEDURE MODIFIERS:
DATE DESIRED (Not guaranteed): T (DEC 29, 2013)
REASON FOR STUDY: ANNUAL
```

```
***CLINICAL HISTORY REQUIRED***

Enter RETURN to continue or '^' to exit:

Ordering ICD-9 Diagnosis:

Patient: DEMO, PATIENT SJ Pregnant at time of order entry:
Procedure: MAMMOGRAM G0204

Proc. Modifiers:
Category: OUTPATIENT Mode of Transport: AMBULATORY
Desired Date: Dec 29, 2013 Isolation Procedures: NO
Request Urgency: ROUTINE Scheduled for Pre-op: NO
Request Location: MAMMOGRAPHY Nature of order: SVC CORRECTION
Reason for Study: ANNUAL

Clinical History:
ANNUAL EXAM

Do you want to change any of the above? NO//
...request submitted to: MAMMOGRAPH
```

Figure 10-1: Requesting a Radiology Exam in RPMS

10.2 Requesting an Exam in EHR

Note that providers may not place orders for Radiology exams in EHR without the ORES security key.

The provider may have already seen a patient and started an EHR visit and as part of that visit followed the procedure below for placing a Radiology order.

Alternatively, the provider may choose to create a new visit or choose a pre-existing visit for placing the Radiology order.

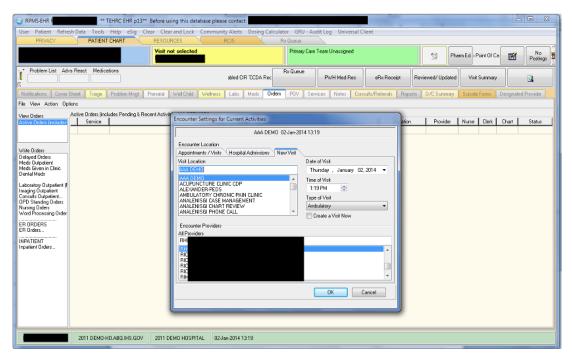


Figure 10-2: Creating a Visit

Once the visit has been created, the provider may select the **Order** tab and select the menu that has been defined for Radiology/Nuclear Medicine procedures. In Figure 10-3, the provider may select from several types of imaging.

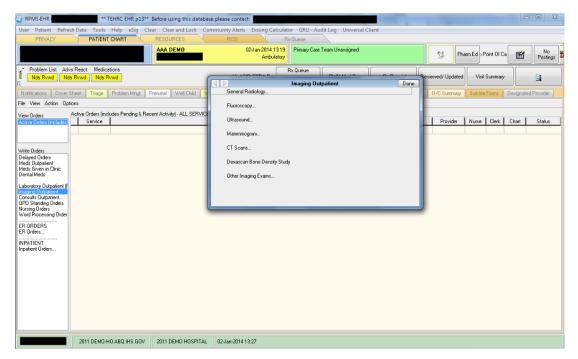


Figure 10-3: Selecting an Imaging type for order

After selecting the Imaging Type, the provider may choose a procedure listed as available under that menu.

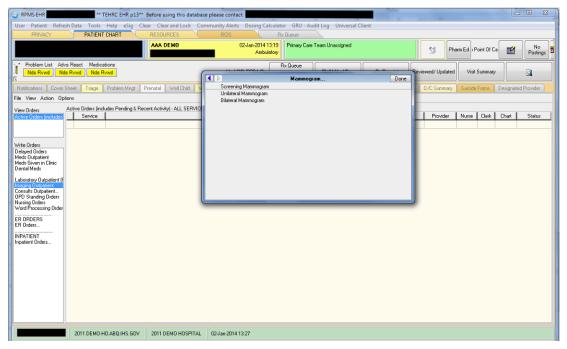


Figure 10-4: Selecting a procedure from the menu

After selecting the procedure, the provider must enter both the **Reason for the Exam** and the **Clinical History**. Copy and paste may be used if desired. One or more procedure modifiers may be used and if the patient is a female or of unknown gender of child bearing age, pregnancy status entered. The desired date of the exam must also be entered. If the quick orders have been configured completely, most of the fields will be pre-filled.

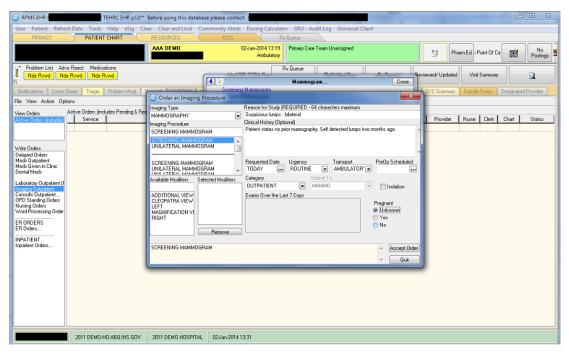


Figure 10-5: Completing order details

When the required fields have been completed, the provider may click **Accept Order** and then **Done** to close the menu.

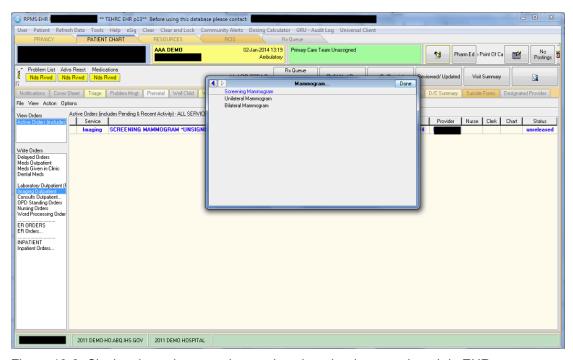


Figure 10-6: Closing the order menu box and unsigned order on order tab in EHR

The order is in a status of unreleased and cannot be accessed by staff in the Radiology department until the provider signs the order electronically.

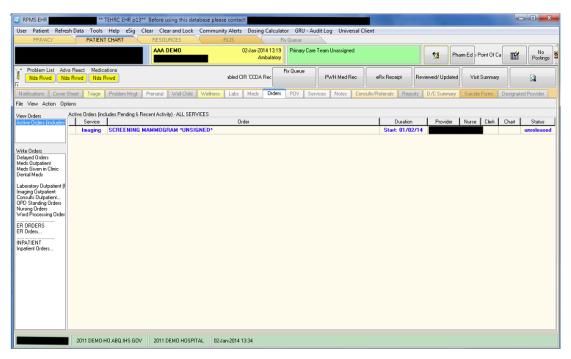


Figure 10-7: Unsigned order

There are several options for signing an electronic order, all of which begin with highlighting the order to be signed. The provider may right click on the highlighted order or may click on the toolbar icon of a hand holding a pencil (). If the provider right-clicks on the order, one of the options is **Sign Selected**.

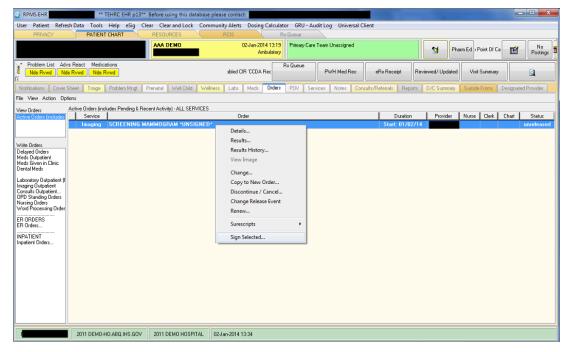


Figure 10-8: Highlighted order with option to sign

The last step for placing the order is for the provider to enter his/her electronic signature code and click **Sign**. When that is completed, the status of the order goes from unreleased to pending. The order is now available for Radiology staff to act.

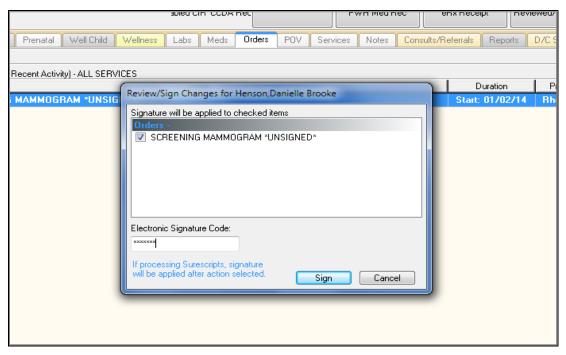


Figure 10-9: Electronically signing the order

10.3 Cancel a Request

A request would normally be cancelled by the ordering provider, but there may be reason why the request needs to be cancelled by staff in the Radiology department. A request me be cancelled as follows:

```
Rad/Nuc Med Total System Menu ...
Radiology/Nuclear Med Order Entry Menu ...
Cancel a Request
Select Radiology/Nuclear Med Order Entry Menu Option: CANCEL a Request
Select PATIENT NAME:
 DEMO, PATIENT SJ
                                     F 08-10-19XX XXX-XX-0983 WW 999984
              **** Requested Exams for DEMO, PATIENT SJ **** 2 Requests
   St Urgency Procedure / (Img. Loc.) Desired Requester Req'g Loc
1 p ROUTINE MAMMOGRAM G0204
                                        12/29/2013 PROVIDER, DO MAMMOGRAPHY
                (MAMMOGRAPHY)
 2 p ROUTINE CHEST SINGLE VIEW
                                       12/18/2013 PROVIDER, DO RADIOLOGY W
               (RADIOLOGY)
Select Request(s) 1-2 to Cancel or '^' to Exit: Exit// 1
Select CANCEL REASON: ?
```

```
Answer with RAD/NUC MED REASON, or NUMBER, or SYNONYM
 Do you want the entire RAD/NUC MED REASON List? Y (Yes)
   Choose from:
                   ANESTHESIA CONSULT NEEDED
                                                                              Synonym: ANES
                    CONFLICT OF EXAMINATIONS
                                                                             Synonym: CON
   7
                  DUPLICATE REQUESTS
                                                                             Synonym: DUP
                  INADEQUATE CLINICAL HISTORY
                                                                             Synonym: INAD
   8
   13
                   PATIENT CONSENT DENIED
                                                                             Synonym: PCD
   PATIENT CONSENT DENTED

14 PATIENT EXPIRED

17 REQUESTING PHYSICIAN CANCELLED

19 WRONG EXAM REQUESTED

20 EXAM CANCELLED

21 EXAM DELETED

22 CALLED-WARD DID NOT SEND

23 RESCHEDULED

24 DID NOT KEEP APPT

25 PATIENT NOT PROPERLY PREP'D

26 PATIENT CANCELLED EXAM

27 RADIOLOGIST CANCELLED EXAM

28 EQUIPMENT FAILURE

29 WRONG PATIENT REQ'D
                    PATIENT EXPIRED
                                                                              Synonym: EXP
                                                                        Synonym: WRN
                                                                             Synonym: CAN
                                                                             Synonym: DEL
                                                                             Synonym:
                                                                            Synonym: RSCH
                                                                            Synonym: DNKA
                                                                            Synonym: NOPREP
                                                                            Synonym: PTCAN
                                                                            Synonym: RADCAN
                                                                             Synonym: EQ
                                                                              Synonym: WRGPT
Select CANCEL REASON: PCD PATIENT CONSENT DENIED Synonym: PCD
    ...will now 'CANCEL' selected request(s)...
             ...MAMMOGRAM G0204 cancelled...
   Task 5539893: cancellation queued to print on device
```

Figure 10-10: Cancel a request for an exam

10.4 Detailed Request Display

A detailed request display may be selected if a copy of a Requisition is needed or in troubleshooting to determine what action was taken by what staff member.

```
Rad/Nuc Med Total System Menu ...
Radiology/Nuclear Med Order Entry Menu ...
Detailed Request Display
Select Radiology/Nuclear Med Order Entry Menu Option: DETAILED Request Display
Select PATIENT NAME:
                                    F 08-10-19XX XXX-XX-0983 WW 999984
 DEMO, PATIENT SJ
Select Rad/Nuc Med Location: All//
Another one (Select/De-Select):
Imaging Location(s) included: MAMMOGRAPHY RADIOLOGY Unknown
              **** Requested Exams for HENSON, SANDRA JEAN **** 9 Requests
   St Urgency Procedure / (Img. Loc.) Desired Requester Req'g Loc
1 dc ROUTINE MAMMOGRAM G0204
                                        12/29/2013 PROVIDOR, D MAMMOGRAPHY
                (MAMMOGRAPHY)
2 p ROUTINE CHEST SINGLE VIEW 12/18/2013 PROVIDOR, D RADIOLOGY W
```

```
(RADIOLOGY)
 3 c ROUTINE CHEST 2 VIEWS PA&LAT 12/06/2013 PROVIDOR, D 63 RADIOLOG
               (RADIOLOGY)
 4 c ROUTINE HIP 2 OR MORE VIEWS 12/06/2013 PROVIDOR, D 63 RADIOLOG
               (RADIOLOGY)
 5 c ROUTINE ANKLE 3 OR MORE VIEWS 08/28/2003 PROVIDOR, MO 01 GENERAL (RADIOLOGY)
 (RADIOLOGY)
6 c ROUTINE UROGRAM INTRAVENOUS
                                       09/02/2001 PROVIDOR, DI 30 EMERGENC
                (UNKNOWN)
 7 dc ROUTINE UROGRAM INTRAVENOUS
                                       09/02/2001 PROVIDOR, G 30 EMERGENC
                (UNKNOWN)
 8 c ROUTINE ABDOMEN 1 VIEW
                                        09/01/2001 PROVIDOR, G 30 EMERGENC
               (UNKNOWN)
                     **** Detailed Display ****
Name: DEMO, PATIENT SJ (999984) Date of Birth: AUG 10,19XX
______
Requested: MAMMOGRAM G0204
                                              (MAM Detailed G0204)
Current Status: DISCONTINUED (dc)
Requester: DEMO,USER 3
Tel/Page/Dig Page: Unknown
Patient Location: MAMMOGRAPHY
Entered: Dec 29, 2013 11:24 am by DEMO, USER 3
Pregnant at time of order entry: UNKNOWN
Desired Date: Dec 29, 2013
Cancelled: Dec 29, 2013 11:25 am by DEMO,USER 3
Transport: AMBULATORY
Reason for Study: ANNUAL
Clinical History: ANNUAL EXAM
Reason Cancelled: PATIENT CONSENT DENIED
Request Submitted to: MAMMOGRAPHY
Do you wish to display request status tracking log? NO//
```

Figure 10-11: Detailed Request Display

10.5 Print Selected Requests by Patient

This option may be used when it is desired to see the history of Radiology orders and exams for a patient.

In the column labeled **St** for Status, **p** means the exam is pending, **c** means the exam is complete, **h** means the request is on hold, and **dc** indicates that the exam has been cancelled.

```
RAD Rad/Nuc Med Total System Menu ...
Radiology/Nuclear Med Order Entry Menu ...
Print Selected Requests by Patient

Select Radiology/Nuclear Med Order Entry Menu Option: Print Selected Requests by Patient

Select PATIENT NAME:
DEMO,PT <A> M 12-21-19XX CH T99996
```

```
**** Requested Exams for DEMO, BOGUS **** 9 Requests
   St Urgency Procedure / (Img. Loc.) Desired Requester Req'g Loc
1 p ROUTINE CLAVICLE 08/16/2007 PROVIDER, TR EMERGENCY R
             (UNKNOWN)
 2 p ROUTINE CHEST 2 VIEWS PA&LAT 12/27/2006 DOC, DEMO E EMERGENCY R
             (UNKNOWN)
 3 p ROUTINE CT LUMBAR SPINE W/O CONT 2/27/2006 DOC, DEMO E EMERGENCY R
             (UNKNOWN)
 4 p ROUTINE US ECHO 2D W/ OR W/O M-MO /27/2006 DOC, DEMO E EMERGENCY R
             (UNKNOWN)
 5 dc ROUTINE CHEST SINGLE VIEW 11/14/2006 PROVIDER, F EMERGENCY R
             (UNKNOWN)
 6 p ROUTINE CHEST 2 VIEWS PA&LAT 11/08/2006 PROVIDER, E OUTPATIENT
             (UNKNOWN)
 7 dc ROUTINE CHEST 2 VIEWS PA&LAT 06/08/2006 PROVIDER, D OUTPATIENT
             (UNKNOWN)
8 p ROUTINE CHEST 2 VIEWS PA&LAT 02/24/2006 DEMO,PRV OUTPATIENT
       (UNKNOWN)
Select Request(s) 1-8 to Print or '^' to Exit: Continue// 1
Do you wish to generate a Health Summary Report? No// NO
DEVICE: HOME// Virtual
>>Rad/Nuc Med Consultation for UNKNOWN<< AUG 16,2007 11:21 Page 1
______
Name : DEMO,PT
Pt ID Num : T99996
Date of Birth: DEC 21,19XX
                                   Urgency : ROUTINE
                                    Transport : AMBULATORY
                                   Patient Loc: EMERGENCY ROOM
Age : XX
Sex : MALE
                                    Phone Ext :
______
Requested: CLAVICLE
                                           (RAD Detailed 73000)
Procedure Modifiers: LEFT
Request Status: PENDING (p)
Requester:
                PROVIDER, T A DO
Tel/Page/Dig Page: 580-326-7561 / /
Attend Phy Current: UNKNOWN
Prim Phy Current: UNKNOWN
Date/Time Ordered: Aug 16, 2007 11:20 am by DEMO,USER 3 K
Date Desired: Aug 16, 2007
>>Rad/Nuc Med Consultation for UNKNOWN<< AUG 16,2007 11:21 Page 2
______
Name : DEMO,PT
Pt ID Num : T99996
                                    Urgency : ROUTINE
Transport : AMBULATORY
Date of Birth: DEC 21,19XX
                                    Patient Loc: EMERGENCY ROOM
Age : XX
Sex : MAI
                                    Phone Ext :
          : MALE
______
Clinical History:
  FELL OFF HORSE
-----
```

Date Performed:	Case No.:
Technologist Initials:	
Interpreting Phys. Initials:	Number/Size Films:
interpreting rnys. initials	
	UNKNOWN<< AUG 16,2007 11:22 Page 3
Name : DEMO, PT	Urgency: ROUTINE
Pt ID Num : T99996	Transport : AMBULATORY
Date of Birth: DEC 21,19XX	Patient Loc: EMERGENCY ROOM
Age : XX	Phone Ext :
Sex : MALE	
Comments:	
>>Rad/Nuc Med Consultation for	UNKNOWN<< AUG 16,2007 11:22 Page 4
Name : DEMO, PT	Urgency : ROUTINE
Pt ID Num : T99996	Transport : AMBULATORY
Date of Birth: DEC 21,19XX	Patient Loc: EMERGENCY ROOM
Age : XX	Phone Ext :
Sex : MALE	
Case # Last 5 Procedures/New	Orders Exam Date Status of Exam Imaging Loc.
ABDOMEN MIN 3 VIEWS+CH	EST Ord 2/3/06
CHEST 2 VIEWS PA&LAT	Ord 2/24/06
CHEST 2 VIEWS PA&LAT	Ord 11/8/06
CHEST 2 VIEWS PA&LAT	Ord 12/27/06
CT LUMBAR SPINE W/O CO	NT Ord 12/27/06
US ECHO 2D W/ OR W/O M	MODE Ord 12/27/06
CLAVICLE	Ord 8/16/07
No registered exams filed f	
no regreered endine rrred r	or this patient.
	or this patient.

Figure 10-12: Print Selected Request by Patient

10.6 Print Rad/Nuc Med Requests by Date

In a busy Radiology Department, a secretary may be requested to print the Radiology Requests for the day in order to determine the workload for the day.

```
RAD Rad/Nuc Med Total System Menu ...
Radiology/Nuclear Med Order Entry Menu ...
Print Rad/Nuc Med Requests by Date
```

```
Select Radiology/Nuclear Med Order Entry Menu Option: Print Rad/Nuc Med Requests by
Request Status Selection
 Choose one of the following:
        Discontinued
        Complete
        Hold
        Pending
        Request Active
        Scheduled
        All Current Orders
 Select Status: Pending//
Date Criteria Selection
    Select one of the following:
             ENTRY DATE OF REQUEST DESIRED DATE FOR EXAM
Date criteria to use for choosing requests to print: E// DESIRED DATE FOR EXAM
**** Date Range Selection ****
  Beginning DATE: T (AUG 16, 2007)
  Ending DATE: T (AUG 16, 2007)
Print HEALTH SUMMARY for each patient? NO
DEVICE: HOME// Virtual
>>Rad/Nuc Med Consultation for UNKNOWN<<
                                        AUG 16,2007 11:22 Page 1
______
Name : DEMO,PT
Pt ID Num : T99996
                                       Urgency : ROUTINE
                                       Transport : AMBULATORY
Date of Birth: DEC 21,19XX
                                       Patient Loc: EMERGENCY ROOM
Age : XX
Sex : MAL
                                       Phone Ext :
          : MALE
______
Requested: CLAVICLE
                                               (RAD Detailed 73000)
Procedure Modifiers: LEFT
Request Status: PENDING (p)
Requester: PROVIDER, T A DO
Tel/Page/Dig Page: 580-326-7561 / /
Attend Phy Current: UNKNOWN
Prim Phy Current: UNKNOWN
Date/Time Ordered: Aug 16, 2007 11:20 am by DEMO,USER 3 K
Date Desired: Aug 16, 2007
>>Rad/Nuc Med Consultation for UNKNOWN<< AUG 16,2007 11:22 Page 2
_____
Name : DEMO,PT
                                       Urgency : ROUTINE
```

	DEC 21,19XX XX MALE	Transport : AMBULATORY Patient Loc: EMERGENCY ROOM Phone Ext :
Date Performed	 :	Case No.: Number/Size Films:
Name : Pt ID Num : Date of Birth: Age :	DEMO,PT T99996	AUG 16,2007 11:22 Page 3 Urgency: ROUTINE Transport: AMBULATORY Patient Loc: EMERGENCY ROOM Phone Ext:
Comments:		
>>Rad/Nuc Med ====================================	Consultation for UNKNOWN<<	AUG 16,2007 11:22 Page 4 Urgency : ROUTINE Transport : AMBULATORY Patient Loc: EMERGENCY ROOM Phone Ext :
ABDOI CHES' CHES' CHES' CT L' US E	5 Procedures/New Orders Exam D	Ord 2/3/06 Ord 2/24/06 Ord 11/8/06 Ord 12/27/06 Ord 12/27/06 Ord 12/27/06 Ord 8/16/07

Figure 10-13: Print Rad/Nuc Med Requests by Date

11.0 Exam Entry/Edit Menu...

11.1 Register Patient for Exams

All exams to be processed through the Radiology department must begin with registering the patient for the exam. This is distinct from Patient Registration in that it creates an entry in the Radiology/Nuclear Medicine Patient file. It indicates that the patient is present, and the exam will be performed. Depending upon how the Location Parameters have been set, some sites may choose to register patients in advance of their exams to prevent a backlog of scheduled procedures.

At small sites that do not have radiology services on site, this option may be deferred until a report comes back from the performing site indicating that a patient presented for the exam.

Note that the Case Number is created at the time a patient is registered for an exam. While case numbers may appear on the screen as a numeric value (5, 35, 234, etc.), case numbers are unique numbers identified by the date of service and the case number. For example, a case displaying as 5 when a patient is registered is actually case 122913-5 if the date is 12/29/13.

Many interfaces for modality worklists are triggered by the Register Patient for an Exam step.

```
RAD Rad/Nuc Med Total System Menu ...
Exam Entry/Edit Menu ...
Register Patient for Exams
```

Note: You can either start at this point by entirely skipping the Request an Exam option or proceed with processing an exam that has already been requested.

Exam Not Already Requested

```
Select Exam Entry/Edit Menu Option: REG Register Patient for Exams
Select Patient: DEMO, PA
 1 DEMO, PATIENT B
                                <CA> F 01-28-19XX 000005555 CH 999999
  2 DEMO, PATIENT PRIVATE
                                <CWAD> F 12-31-19XX 000003175P CH 999996
CHOOSE 1-2: 1
 DEMO, PATIENT B
                                <CA> F 01-28-19XX 000005555 CH 999999
       ...OK? Yes// (Yes)
                                          ******
         ****** Patient Demographics
             : DEMO, PATIENT B
 Pt ID : 999999
 Date of Birth: JAN 28,19XX (XX)
 Veteran : Yes
                                  Eligibility: Unknown
```

```
Sex : FEMALE
  Other Allergies:
      'V' denotes verified allergy 'N' denotes non-verified allergy
 CODEINE (V)
                                         CIPROFLOXACIN(V)
 METHOTREXATE(V) CHOCOLATE(V)
METFORMIN HYDROCHLORIDE(V) AZITHROMYCIN(V)
TAPE, PAPER(V) TAPE, COTTON(V)
 TAPE, PAPER (V)

OTHER ALLERGY/ADVERSE REACTION (V)

TETANUS TOXOID (V)

PAXIL (V)

TAPE, COTTON (V)

ASPIRIN (V)

PENICILLIN (V)

ALPHAGAN 0.2% OPH SOLN (V)
 FIBERGLASS (V)
Case #
        Last 5 Procedures/New Orders Exam Date Status of Exam Imaging Loc.
          KNEE 3 VIEWS
1904
                                        NOV 26,2006 CANCELLED MEDICAL IMAG
Case # Last 5 Procedures/New Orders Exam Date Status of Exam Imaging Loc.
          -----
2449 SPINE LUMBOSACRAL MIN 4 VIEW NOV 8,2006 CANCELLED MEDICAL IMAG
       U/S ECHO DOPPLER SEP 15,2006 WAITING FOR MEDICAL IMAGE ECHOGRAM ABDOMEN LTD FEB 13,2006 EXAMINED IDABEL IMAGE CHEST 2 VIEWS SEP 12,2005 COMPLETE MEDICAL IMAGE CHEST 2 VIEWS PA&LAT Ord 3/4/03 CT ABDOMEN W/CONT Ord 12/12/03 CHEST SINGLE VIEW Ord 3/23/05

'FETAL BIOPHYSICAL PROFILE U Ord 5/19/06 ELBOW 3 OR MORE VIEWS Ord 12/21/06
9804
286
                                                     Ord 12/21/06
          ELBOW 3 OR MORE VIEWS
Imaging Exam Date/Time: NOW// (AUG 16, 2007@11:25)
                **** Requested Exams for DEMO, PATIENT BOGUS **** 5 Requests
    St Urgency Procedure / (Img. Loc.) Desired Requester Req'g Loc
 1 p ROUTINE ELBOW 3 OR MORE VIEWS 12/21/2006 PROVIDER, BR GOODMAN
                  (UNKNOWN)
 2 p ROUTINE 'FETAL BIOPHYSICAL PROFIL 05/19/2006 DOCTOR, A
                                                                         EMERGENCY R
                  (UNKNOWN)
 3 p ROUTINE CHEST SINGLE VIEW 03/23/2005 DOCTOR, P Y MED/SURG
                  (UNKNOWN)
                                            12/12/2003 PROVIDER, A INPATIENT
 4 p ROUTINE CT ABDOMEN W/CONT
                 (UNKNOWN)
 5 h ROUTINE HAND 3 OR MORE VIEWS 04/02/2003 PROVIDER, M POTEAU
                 (UNKNOWN)
(Use Pn to replace request 'n' with a Printset procedure.)
Select Request(s) 1-5 or '^' to Exit: Exit//
 Do you want to Request an Exam for DEMO, PATIENT BOGUS? No// If you answer yes at
this point, you will be prompted to select requesting provider, requesting location,
procedure, and other items that are normally provided if an exam is electronically
ordered.
```

Figure 11-1: Registering a patient for an exam that has not already been requested

Registering a Patient with an Electronically Requested Exam

Ş	Select	Patient: DEMO,	, P						
	1	DEMO, PATIENT	BOGUS	<ca></ca>	F	01-28-19XX	000005555	СН	999999
	2	DEMO, PATIENT	PRIVATE	<cwad></cwad>	F	12-31-19XX	000003175P	СН	999996

```
CHOOSE 1-2: 2
       ...OK? Yes// (Yes)
  DEMO, PATIENT PRIVATE
                                 <CWAD> F 12-31-19XX 000003175P CH 999996
                      Patient Demographics ********
          *****
 Name : DEMO, PATIENT PRIVATE
Pt ID : 999996
  Date of Birth: DEC 31,19XX (XX)
 Veteran : No
                                    Eligibility: Unknown
              : FEMALE
 Other Allergies:
      'V' denotes verified allergy 'N' denotes non-verified allergy
                                    METFORMIN HYDROCHLORIDE (V)
 AZITHROMYCIN(V)
 CHOCOLATE (V)
                                    CHLOSTEROL (V)
 SUGAR SNACKS (V)
                                    IBUPROFEN(V)
 ASPIRIN(V)
                                     CIPROFLOXACIN(V)
 METHOTREXATE (V)
                                    SULFAMETHOXAZOLE/TRIMETHOPRIM(V)
 MILK(V)
                                     SHRIMP(V)
 STRAWBERRIES (V)
                                     AMOXICILLIN 125 MG/5 CC(V)
       Last 5 Procedures/New Orders Exam Date Status of Exam Imaging Loc.
Case #
          -----
         CLAVICLE
                                               Ord 12/10/04
Case # Last 5 Procedures/New Orders Exam Date Status of Exam Imaging Loc.
   No registered exams filed for this patient.
Imaging Exam Date/Time: NOW// (AUG 16, 2007@11:25)
              **** Requested Exams for DEMO, PATIENT PRIVATE **** 1 Requests
   St Urgency Procedure / (Img. Loc.) Desired Requester Req g Loc
 1 p ROUTINE CLAVICLE
                                        12/10/2004 PROVIDER, ST OPD-FAMILY
                (UNKNOWN)
(Use Pn to replace request 'n' with a Printset procedure.)
Select Request(s) 1-1 or '^' to Exit: Exit// 1
    Procedure: CLAVICLE
   ...will now register DEMO, PATIENT PRIVATE with the next case number... (AUG
16, 2007@11:25)
   Case Number: 8977
   PROCEDURE: CLAVICLE//
                                                  (RAD Detailed) CPT:73000
   Select PROCEDURE MODIFIERS: BILATERAL EXAM
 Are you adding 'BILATERAL EXAM' as
   a new PROCEDURE MODIFIERS (the 1ST for this EXAMINATIONS)? No// Y (Yes)
   Select PROCEDURE MODIFIERS:
   CATEGORY OF EXAM: OUTPATIENT// OUTPATIENT
   PRINCIPAL CLINIC: OPD-FAMILY PRACTICE//
     TECHNOLOGIST COMMENT:
```

Figure 11-2: Registering a patient with an electronically requested exam

11.2 Edit Exam by Patient

After an exam has been performed, the next step is to edit the exam, either by case number or by patient. This indicates that the exam has been performed and in the cases of interfaces should perform several functions.

Clear the exam from the modality worklist.

Send an examined message to the PACS or VISTA Imaging workstation.

In the case of a small site which performs no on site Radiology, this step may be deferred until a report is received back from the referral site.

When editing an exam, it is extremely important to enter all required fields and watch the screen for the message in Figure 11-3.

```
...will now designate exam status as 'EXAMINED'... for case no. 8977
STATUS CHANGE DATE/TIME: AUG 16,2007@11:27//
...exam status successfully updated.
```

Figure 11-3: Successful update of an exam that has been edited

If the Division Parameters have been set to pass Radiology procedures to PCC at examined, the exam should be viewable in PCC at this point.

```
Rad/Nuc Med Total System Menu ...
Exam Entry/Edit Menu ...
Edit Exam by Patient
Select Exam Entry/Edit Menu Option: EDIT Exam by Patient
Select Patient: DEMO, PATIENT PRIVATE
                 **** Edit Exams By Patient ****
Patient's Name: DEMO, PATIENT PRIVATE 999996 Run Date: AUG
16,2007
  Case No. Procedure
                                   Exam Date Status of Exam Imaging
Loc
1 8977 CLAVICLE
                                   08/16/07 WAITING FOR EXAM MEDICAL
Type a '^' to STOP, or
CHOOSE FROM 1-1: 1
Case No.:8977 Procedure:CLAVICLE
                                                   Date: AUG 16,2007
                       (RAD Detailed) CPT:73000
 LAST MENSTRUAL PERIOD:
 PRIMARY MEANS OF BIRTH CONTROL:
 LAST NEGATIVE HCG TEST:
   PROCEDURE: CLAVICLE//
   Select PROCEDURE MODIFIERS: BILATERAL EXAM//
   Select CPT MODIFIERS:
```

```
CATEGORY OF EXAM: OUTPATIENT//
   PRINCIPAL CLINIC: OPD-FAMILY PRACTICE//
   REQUESTING PHYSICIAN: PROVIDER, S A MD//
   Select TECHNOLOGIST: DEMO, TECH L RTCT
                                             HLC
                                                            859HLC
RADIO
LOGY TECHNOLOGIST
   Select TECHNOLOGIST:
   TECHNOLOGIST COMMENT:
   COMPLICATION: NO COMPLICATION//
    PRIMARY CAMERA/EQUIP/RM: r1
                                    GE ADVANX
   Select FILM SIZE: 8x10//
     FILM SIZE: 8x10//
     AMOUNT(#films or cine ft): 2//
     NUMBER OF REPEATS: 0
   Select FILM SIZE:
   CLINICAL HISTORY FOR EXAM:
 1>PAIN
EDIT Option:
   ...will now designate exam status as 'EXAMINED'... for case no. 8977
STATUS CHANGE DATE/TIME: AUG 16,2007@11:27//
       ...exam status successfully updated.
```

Figure 11-4: Edit Exam by Patient

11.3 Case No. Exam Edit

The Case No. Exam Edit option offers the same functionality as Edit Exam by Patient. Some staff prefers to work with case numbers as opposed to patient names. Regardless of which option is chosen, it is critical to enter all required fields and watch that the screen displays the message that the exam status was successfully updated. If the Division Parameters have been set to pass Radiology procedures to PCC at examined, the exam should be viewable in PCC at this point.

```
Rad/Nuc Med Total System Menu ...
Exam Entry/Edit Menu ...
Case No. Exam Edit
Select Exam Entry/Edit Menu Option: case No. Exam Edit
Enter Case Number: 080704-729
Choice Case No.
                     Procedure
                                                 Name
Pt ID
     080704-729 CHEST 2 VIEWS PA&LAT DEMO, PATIENT MI 999987
                      (RAD Detailed) CPT:71020
   PROCEDURE: CHEST 2 VIEWS PA&LAT//
   CONTRAST MEDIA USED: NO// NO
   Select PROCEDURE MODIFIERS:
   Select CPT MODIFIERS:
   CATEGORY OF EXAM: OUTPATIENT//
   PRINCIPAL CLINIC: 30 EMERGENCY MEDICINE//
   REQUESTING PHYSICIAN: PROVIDER, R E//
   Select TECHNOLOGIST: student, one STUDENT, ONE
   Select TECHNOLOGIST:
   TECHNOLOGIST COMMENT:
   COMPLICATION: NO COMPLICATION//
```

```
PRIMARY CAMERA/EQUIP/RM: 1 RADIOLOGY - ROOM 1
Select FILM SIZE: DIGITAL
AMOUNT(#films or cine ft): 2
Select FILM SIZE: W-DIGITAL
AMOUNT(#films or cine ft): 1
Select FILM SIZE:
...will now designate exam status as 'EXAMINED'... for case no. 729
STATUS CHANGE DATE/TIME: DEC 29,2013@13:27//
...exam status successfully updated.
```

Figure 11-5: Case No. Exam Edit option

11.4 Cancel an Exam

The Cancel an Exam option differs from the Cancel a Request option in that the patient has already been registered for the exam and a case number has been generated. It is important to note that when canceling an exam, the user will be asked if they also wish to cancel the request for an exam. If the patient will subsequently be having the exam and it must be deferred for some reason, do not cancel the request.

Note that exams to be cancelled may be entered by case number, patient name, or patient chart number.

```
Rad/Nuc Med Total System Menu ...
Exam Entry/Edit Menu ...
Cancel an Exam
Select Exam Entry/Edit Menu Option: cancel an Exam
Enter Case Number: DEMO, PATIENT A F 04-07-19XX XXX-XX-8134 DH
999985
                     **** Case Lookup by Patient ****
                                           Run Date: DEC 29,2013
Patient's Name: DEMO, PATIENT A 999985
  Case No. Procedure
                          Exam Date Status of Exam
Imaging Loc
1 746 ACUTE ABDOMEN
                                   08/07/04
                                            WAITING FOR EXAM
RADIOLOGY
2 837 HIP 2 OR MORE VIEWS 02/20/04
                                            COMPLETE
RADIOLOGY
3 799 SPINE CERVICAL MIN 2 VIEWS 03/21/03 COMPLETE
RADIOLOGY
4 433 CHEST 2 VIEWS PA&LAT
                                  02/05/03 COMPLETE
RADIOLOGY
5 470
         SHOULDER 2 OR MORE VIEWS 11/10/01 COMPLETE
RADIOLOGY
                                   04/23/01 COMPLETE
6 52
          PELVIC U/S
RADIOLOGY
          ABDOMEN FLAT & UPRIGHT
                                  04/21/01
7 430
                                             COMPLETE
RADIOLOGY
8 459
         FINGER(S) 2 OR MORE VIEWS 12/09/00
                                             COMPLETE
RADIOLOGY
```

```
504
             ABDOMEN FLAT & UPRIGHT
                                          10/07/00
                                                       COMPLETE
RADIOLOGY
10 749 ABDOMEN FLAT & UPRIGHT
                                          05/04/00
                                                       CANCELLED
RADIOLOGY
11 696 PELVIC U/S
                                           04/14/00
                                                       COMPLETE
RADIOLOGY
12 613 PELVIC U/S
                                            03/16/00
                                                       COMPLETE
RADIOLOGY
           PELVIC U/S
13 497
                                            03/15/00 COMPLETE
RADIOLOGY
                                          03/15/00 COMPLETE
14 474
            ECHOGRAM ABDOMEN LTD
RADIOLOGY
Type a '^' to STOP, or
Do you wish to cancel this exam now? NO// Y
      ...exam status backed down to 'CANCELLED'
      STATUS CHANGE DATE/TIME: DEC 29,2013@13:09//
      TECHNOLOGIST COMMENT: PT TRANSPORTED OUT
    REASON FOR CANCELLATION: ?
    This field points to the 'RAD/NUC MED REASON' file to indicate the
reason
     the exam was cancelled.
     Type of Reason must equal CANCEL REQUEST or GENERAL REQUEST.
 Answer with RAD/NUC MED REASON, or NUMBER, or SYNONYM
 Do you want the entire RAD/NUC MED REASON List? Y (Yes)
   Choose from:
                ANESTHESIA CONSULT NEEDED
                                                                Synonym: ANES
                CONFLICT OF EXAMINATIONS
                                                               Synonym: CON
               DUPLICATE REQUESTS
                                                               Synonym: DUP
               INADEQUATE CLINICAL HISTORY
                                                              Synonym: INAD
           INADEQUATE CLINICAL HISTORY
PATIENT CONSENT DENIED
PATIENT EXPIRED
REQUESTING PHYSICIAN CANCELLED
WRONG EXAM REQUESTED
EXAM CANCELLED
EXAM DELETED
CALLED-WARD DID NOT SEND
RESCHEDULED
DID NOT KEEP APPT
PATIENT NOT PROPERLY PREP'D
PATIENT CANCELLED EXAM
   13
                                                              Synonym: PCD
   14
                                                              Synonym: EXP
   17
                                                       Synonym: REQ
   19
                                                              Synonym: WRN
   20
                                                              Synonym: CAN
   21
                                                               Synonym: DEL
                                                               Synonym:
   22
   23
                                                               Synonym: RSCH
                                                               Synonym: DNKA
   24
                                                             Synonym: NOPREP
Synonym: PTCAN
   25
   26
   27
               RADIOLOGIST CANCELLED EXAM
                                                              Synonym: RADCAN
   28
               EQUIPMENT FAILURE
                                                               Synonym: EQ
                WRONG PATIENT REQ'D
                                                                Synonym: WRGPT
    REASON FOR CANCELLATION: 27 RADIOLOGIST CANCELLED EXAM Synonym:
RADCAN
           ...cancellation complete.
Do you want to cancel the request associated with this exam? No// Y (Yes)
                     * Updating Women's Health Database *
           ...request status updated to discontinued.
```

Figure 11-6: Cancel an exam

11.5 Switch Locations

When working at a site that offers multiple imaging types, it may be useful to switch Imaging Locations to check on exams or perform tasks for a different Imaging Location. That can easily be accomplished by using the option Switch Locations.

```
RAD
      Rad/Nuc Med Total System Menu ...
Exam Entry/Edit Menu ...
Switch Locations
Select Exam Entry/Edit Menu Option: switch Locations
Please select a sign-on Imaging Location: MAMMOGRAPHY// raDIOLOGY
ENERAL RADIOLOGY-8907)
Default Flash Card Printer: HOME// VIRTUAL TERMINAL
Default Jacket Label Printer: HOME// VIRTUAL TERMINAL
Default Report Printer: HOME// VIRTUAL TERMINAL
Welcome, you are signed on with the following parameters:
                                 Printer Defaults
Version : 5.0
Division : DEMO INDIAN HOSPITAL Flash Card : None
 Location : RADIOLOGY
                                              No cards
Img. Type: GENERAL RADIOLOGY Jacket Label: None
User : DEMO, USER 3
                                Report : None
```

Figure 11-7: Switch Locations

11.6 Exam Status Display

It is useful during the course of a day to check on the progress and status of exams. This option allows a supervisor or other staff to quickly review to see if exams have all been accounted for during the course of the day.

```
RAD Rad/Nuc Med Total System Menu ...

Exam Entry/Edit Menu ...

Exam Status Display

Select Exam Entry/Edit Menu Option: exam Status Display

Current Division: DEMO INDIAN HOSPITAL

Current Imaging Type: GENERAL RADIOLOGY

Exam Status Tracking Module Division: DEMO INDIAN HOSPITAL

Date : 12/29/13 11:58 AM Status : WAITING FOR EXAM

Locations: RADIOLOGY
```

0 "	Data	Dationt	D 1		
Case # Equip/Rm	Date	Patient	Procedure		
826	07/30/04	122218-DEMO, PATIENT		2	
828	07/30/04		B FOOT 3 OR MORE VIEWS	4	
478	, , -		C CT LUMBAR SPINE W/O CONT		
606	08/06/04	119429-DEMO, PATIENT			
	08/07/04		E CHEST 2 VIEWS PA&LAT		
	08/07/04		F CHEST 2 VIEWS PA&LAT		
746	08/07/04	118985-DEMO, PATIENT	G ACUTE ABDOMEN		
			Division: DEMO INDIAN HOSPITAL		
	s: RADIOLO		· HMMIINED		
Case #	Date	Patient	Procedure		
Equip/Rm					
			_	_	
745	08/07/04	106761-DEMO, PATIENT	H HAND 3 OR MORE VIEWS	2	
7	12/06/12	213321-DEMO, PATIENT	MAMMOGRAM BILATERAL	2	
1	12/06/13	213321-DEMO, PATIENT	I CLAVICLE	1	
Exam Sta	tus Tracki	ng Module I	Division: DEMO INDIAN HOSPITAL		
		= -	Status : TRANSCRIBED		
Location	s: RADIOLO	GY			
	Date	Patient	Procedure		
Equip/Rm					
	07/31/04	107070-DEMO DARLENE	M CHEST 2 VIEWS PA&LAT	2	
895	07/31/04	184421-DEMO DATTENT	N CHEST 2 VIEWS PA&LAT	2	
382	07/31/04 08/04/04	127957-DEMO, PATIENT		ct	
384	08/04/04	124291-DEMO, PATIENT		ct	
551	13, 31, 31		., 0011	50	
Enter Status, (N)ext status, (C)ontinue, '^' to Stop: CONTINUE// ^					

Figure 11-8: Exam Status Display

12.0 Films Reporting Menu

12.1 Report Entry/Edit

If reports are to be entered into the Radiology/Nuclear Medicine Package in any non-interfaced mode, they must be entered either via the Report Entry/Edit option or via the Outside Report Entry/Edit option. It may be helpful to switch the RPMS screen editor from Line Editor to Screen Editor for those who will be entering reports. Also, unless the transcriptionist is very skilled at using the RPMS editors, he/she may find it easier to create the report in notepad, word pad, WORD, or some other kind of editor before copying and pasting the report into the RPMS Radiology report fields.

When entering reports, it is critical that the user monitor the text displayed at the end of report entry to ensure that the mandatory fields have been entered and the exam status is successfully updated to either Transcribed or Complete depending upon examination status parameters.

```
RAD
     Rad/Nuc Med Total System Menu ...
FILMS Reporting Menu
Report Entry/Edit
Select Rad/Nuc Med Division: All// CHOCTAW NATION HOSPITAL OKLAHOMA TRIBE/
638 TALIHINA 01 OK 556001
Another one (Select/De-Select):
Enter Case Number: DEMO
 DEMO, PATIENT PRIVATE
CHOOSE 1-2: 2
                                  <CWAD> F 12-31-19XX 000003175P CH 999996
                  **** Case Lookup by Patient ****
Patient's Name: DEMO, PATIENT PRIVATE 999996 Run Date: AUG 17,2007
  Case No. Procedure Exam Date Status of Report Imaging Loc 8977 CLAVICLE 08/16/07 None MEDICAL IMA
1 8977 CLAVICLE
Type a '^' to STOP, or
CHOOSE FROM 1-1: 1
Name : DEMO, PATIENT PRIVATE Pt ID : 999996
Case No. : 8977 Exm. St: EXAMINED Procedure : CLAVICLE
Exam Date: AUG 16,2007 11:25 Technologist: DEMO, TECH L RTCT
Req Phys : PROVIDER, STEPHEN A MD
 ...report not entered for this exam...
   ...will now initialize report entry...
 PRIMARY INTERPRETING STAFF: DEMO TECHNICIAN K
                                  ______
Select 'Standard' Report to Copy: RGT
Are you sure you want the 'RGT' standard report? No// Y
Do you want to add another standard to this report? No//
```

```
REPORTED DATE: T (AUG 17, 2007)
CLINICAL HISTORY:
PAIN
ADDITIONAL CLINICAL HISTORY:
 1>PREVIOUS ABNORMAL FILMS FROM 2 MONTHS AGO
EDIT Option:
REPORT TEXT:
 1>RIGHT GREAT TOE:
EDIT Option:
IMPRESSION TEXT:
 1>THIS IS REQUIRED FOR A REPORT TO PASS TO PCC.
EDIT Option:
    Select one of the following:
                   VERIFIED
                 PROBLEM DRAFT
         PD
                  DRAFT
REPORT STATUS: D// RAFT
PRIMARY DIAGNOSTIC CODE:
 ...will now designate exam status as 'TRANSCRIBED'... for case no. 8977
STATUS CHANGE DATE/TIME: AUG 17,2007@14:23//
          ...exam status successfully updated.
Do you wish to print this report? No//
```

Figure 12-1: Report Entry/Edit

12.2 On-Line Verifying of Reports

This option allows the interpreting physician to verify reports online. To use this option, an Electronic Signature Code is required, and the user must also be assigned the RA VERIFY security key. An interpreting staff physician may verify reports associated with his/her name. If the division parameter ALLOW VERIFYING OF OTHERS is set to **YES**, the physician may also verify reports associated with other interpreting physicians.

Once verified, the legal signature may be printed in the footer of the report, provided the package coordinator has added this field to the footer.

```
RAD Rad/Nuc Med Total System Menu ...
FILMS Reporting Menu
Report Entry/Edit
Select Films Reporting Menu Option: ON-Line Verifying of Reports

Enter your Current Signature Code: SIGNATURE VERIFIED
```

```
Select Interpreting Physician: DEMO, USER 3 K// DKR COMPUTE
R SPECIALIST
There is only one report (DRAFT) to choose from.
Do you wish to review this one report? YES//
    Select one of the following:
            PAGE AT A TIME
ENTIRE REPORT
        E
DEMO, PATIENT PRIVATE (999996) Case No. : 081607-8977 @11:25
CLAVICLE Transcriptionist: DEMO,USER 3 K Req. Phys : PROVIDER,STEPHEN A MD Pre-verified : NO
Staff Phys: DEMO, USER 3 (P)
______
   CLAVICLE
                                             (RAD Detailed) CPT:73000
   Proc Modifiers : BILATERAL EXAM
  Clinical History:
 PAIN
  Additional Clinical History:
 PREVIOUS ABNORMAL FILMS FROM 2 MONTHS AGO
                                      Status: DRAFT
  Report:
 RIGHT GREAT TOE:
  Impression:
 THIS IS REQUIRED FOR A REPORT TO PASS TO PCC.
  ______
 Type '?' for action list, 'Enter' to continue//
    Select one of the following:
              VERIFIED
PROBLEM DRAFT
        V
PD
               DRAFT
REPORT STATUS: D// VERIFIED
PRIMARY DIAGNOSTIC CODE:
   Status update queued!
```

Figure 12-2: On-line Verifying of Report

12.3 Outside Report Entry/Edit

This option allows the user to log an outside interpreted report, without having to verify it. The report entered from this option is automatically given the electronically filed report status.

```
RAD Rad/Nuc Med Total System Menu ...
FILMS Reporting Menu
Outside Report Entry/Edit
```

```
Select Films Reporting Menu Option: outside Report Entry/Edit
  | This option is for entering canned text for
  outside work: interpreted report done outside,
  | and images made outside this facility.
  | For a printset, the canned text must apply to all
    cases within the printset.
    ______
Select Imaging Type: All//
Another one (Select/De-Select):
Enter Case Number: 729
Name : DEMO, PATIENT B Pt ID : 999997

Case No.: 729 Exm. St: EXAMINED Procedure : CHEST 2 VIEWS PA&LAT

Exam Date: AUG 7,2004 17:58 Technologist: STUDENT, ONE
Req Phys : PROVIDER, A E
  ...report not entered for this exam...
      ...will now initialize report entry...
Select 'Standard' Report to Copy:
REPORTED DATE: T (DEC 29, 2013)
CLINICAL HISTORY:
Pt with high blood sugar
    Required: REPORT TEXT and/or IMPRESSION TEXT
    REPORT TEXT:
==[ WRAP ]==[ INSERT ]=========< REPORT TEXT >======== [ <PF1>H=Help ]====
This is where the report text can be copied and pasted or transcribed
from a hard copy report.
IMPRESSION TEXT:
==[ WRAP ]==[ INSERT ]========< IMPRESSION TEXT >======= [ <PF1>H=Help ]====
The Impression field is a separate field within the report and must be
entered separately. It is usually a simple statement of exam overall impression. However, the impression is usually required to pass an exam
to PCC.
PRIMARY DIAGNOSTIC CODE:
    Report status is stored as "Electronically Filed".
  ...will now designate exam status as 'COMPLETE'... for case no. 729
```

```
STATUS CHANGE DATE/TIME: DEC 29,2013@14:18//
...exam status successfully updated.
...will now designate request status as 'COMPLETE'...
...request status successfully updated.

Do you wish to print this report? No//YES
```

Figure 12-3: Outside Report Entry/Edit

This is how the report using the Outside Report Entry/Edit appears.

```
Select Films Reporting Menu Option: select Report to Print by Patient
Select Patient: 999997
 DEMO, PATIENT B

**** Patient's Exams ****
                           F 01-03-19XX XXX-XX-8011 DH 999997
Patient's Name: DEMO, PATIENT B 999997
                                                Run Date: DEC 29,2013
Type a '^' to STOP, or
CHOOSE FROM 1-2: 2
Select a device: HOME// VIRTUAL TERMINAL Right Margin: 80//
                   *** DEMO INDIAN MEDICAL CENTER ***
                      5670 EAST TUCSON BOULEVARD
                        TUCSON, ARIZONA 56789
                       TELEPHONE: (520)765-8970
 Name: DEMO, PATIENT B

Chart#: 999997

Requesting Loc: 30 EMERGENCY MEDICIN
Entered request: USER, DEMO K

Physician: PROVIDER, A E
Technician: STUDENT, ONE
Radiologist:
                                                  DOB: 01-03-19XX (XX)
 Case#: U8U/U4-729 Radiologist.
Procedure: CHEST 2 VIEWS PA&LAT Verifier:
(Case 729 COMPLETE) CHEST 2 VIEWS PA&LAT (RAD Detailed) CPT:71020
    Clinical History:
    Pt with high blood sugar
     Report:
     This is where the report text can be copied and pasted or transcribed from
     A hard copy report.
     Impression:
     The Impression field is a separate field within the report and must be
     entered separately. It is usually a simple statement of exam overall
     impression. However, the impression is usually required to pass an exam to
     PCC.
VERIFIED BY:
```

Figure 12-4: Report entered via Outside Report Entry/Edit

12.4 Verify Report Only

This function allows the user to verify a report without having to access the **Report Enter/Edit** option. This function is often used when a report has been edited, but the report status has not been updated to reflect the verified status. It does not differ substantially from the option for **On-line Verifying of Reports** option.

```
RAD Rad/Nuc Med Total System Menu ...
FILMS Reporting Menu
Verify report Only
```

Figure 12-5: Verify report Only option

12.5 Select Report to Print by Patient

```
This option may be used to print a hard copy report suitable for faxing be medical
  records to an outside provider or medical facility.
  RAD
             Rad/Nuc Med Total System Menu ...
  FILMS Reporting Menu
  Select Report to Print by Patient
  Select Films Reporting Menu Option: select Report to Print by Patient
  Select Patient: DEMO, PATIENT A F 04-07-19XX XXX-XX-8134 DH 118
                                             **** Patient's Exams ****
  Patient's Name: DEMO, PATIENT A 999985
                                                                                           Run Date: DEC 29,2013
1 746 ACUTE ABDOMEN 08/07/04 (Exam Dc'd) RADIOLOGY
2 837 HIP 2 OR MORE VIEWS 02/20/04 VERIFIED RADIOLOGY
3 799 SPINE CERVICAL MIN 2 VIEWS 03/21/03 VERIFIED RADIOLOGY
4 433 CHEST 2 VIEWS PA&LAT 02/05/03 VERIFIED RADIOLOGY
5 470 SHOULDER 2 OR MORE VIEWS 11/10/01 VERIFIED RADIOLOGY
6 52 PELVIC U/S 04/23/01 VERIFIED RADIOLOGY
7 430 ABDOMEN FLAT & UPRIGHT 04/21/01 VERIFIED RADIOLOGY
8 459 FINGER(S) 2 OR MORE VIEWS 12/09/00 VERIFIED RADIOLOGY
9 504 ABDOMEN FLAT & UPRIGHT 10/07/00 VERIFIED RADIOLOGY
10 749 ABDOMEN FLAT & UPRIGHT 10/07/00 VERIFIED RADIOLOGY
11 696 PELVIC U/S 04/14/00 VERIFIED RADIOLOGY
12 613 PELVIC U/S 03/16/00 VERIFIED RADIOLOGY
13 497 PELVIC U/S 03/15/00 VERIFIED RADIOLOGY
14 474 ECHOGRAM ABDOMEN LTD 03/15/00 VERIFIED RADIOLOGY
       Case No. Procedure
                                                                        Exam Date Status of Report Imaging Loc
                                                                         -----
          497 PELVIC U/S 03/15/00 VERIFIED 474 ECHOGRAM ABDOMEN LTD 03/15/00 VERIFIED
  Type a '^' to STOP, or
  Select a device: HOME// VIRTUAL TERMINAL Right Margin: 80//
```

```
*** DEMO INDIAN MEDICAL CENTER ***
                        5670 EAST TUCSON BOULEVARD
                          TUCSON, ARIZONA 56789
                         TELEPHONE: (520) 765-8970
                                                   DOB: 04-07-19XX
  Name: DEMO, PATIENT A
                                                                      (XX)
  Chart#: 999985
  Chart#: 999985 Sex: FEMALE
Requesting Loc: 30 EMERGENCY MEDICIN Physician: DIGOXIN, CARDIAC A
  Entered request: DEMO, USER
 Case#: 022004-837 Technician: DEMO, TECH S
Procedure: HIP 2 OR MORE VIEWS Verifier: TECH S

Verifier: TECH S

Radiologist: DEMO, RADIOLOGIST
Pregnancy Screen: Patient is unable to answer or is unsure
                                               (RAD Detailed) CPT:73510
(Case 837 COMPLETE) HIP 2 OR MORE VIEWS
     Proc Modifiers : RIGHT
     Clinical History:
     feels out of place painful
     Report:
     The exam demonstrates the osseous and joint structures to be intact and
     without evidence of fractures, dislocations or significant degenerative
     changes identified.
     Impression:
     Unremarkable radiographic evaluation of the right hip.
Primary Interpreting Staff:
 DEMO STAFF, Radiologist
VERIFIED BY:
 JJ TECH, Radiologist
/JFP
  Date Reported: FEB 23, 2004 13:26
                                                                          Page 1
```

Figure 12-6: Select Report to Print by Patient

12.6 Display a Rad/Nuc Med Report

This option allows the user to display a VERIFIED radiology or nuclear medicine report at the terminal. It is the equivalent of viewing a report on the report tab in EHR.

```
RAD Rad/Nuc Med Total System Menu ...
FILMS Reporting Menu
Display a Rad/Nuc Med Report
Select Films Reporting Menu Option: DISPLay a Rad/Nuc Med Report
Select Patient: DEMO, PATIENT PRIVATE
```

```
**** Patient's Exams ****
Patient's Name: DEMO, PATIENT PRIVATE 999996 Run Date: AUG 17,2007
                                      Exam Date Status of Report Imaging Loc
  Case No. Procedure
1 8977 CLAVICLE
                                      08/16/07 VERIFIED MEDICAL IMA
Type a '^{\prime} to STOP, or
DEMO, PATIENT PRIVATE (999996)

CLAVICLE

Req. Phys: PROVIDER, STEPHEN A MD

Case No. : 081607-8977 @1

Transcriptionist: DEMO, USER 3 K

Pre-verified : NO
                                                     : 081607-8977 @11:25
Staff Phys: DEMO, USER 3 (P)
           -----
                                            (RAD Detailed) CPT:73000
  CLAVICLE
   Proc Modifiers : BILATERAL EXAM
  Clinical History:
 PAIN
  Additional Clinical History:
 PREVIOUS ABNORMAL FILMS FROM 2 MONTHS AGO
  Report:
                                         Status: VERIFIED
 RIGHT GREAT TOE:
  Impression:
  THIS IS REQUIRED FOR A REPORT TO PASS TO PCC.
  Enter 'Top' or 'Continue': Continue//
```

Figure 12-7: Display a Rad/Nuc Med Report

13.0 Radiology and PCC

If Radiology/Nuclear Medicine has been entered as a Package in the PCC Master Control file and is set to pass data to PCC, examination data should appear in the visit vile. Note that Radiology CPT codes may not be searched for in VGEN or QMan because they are embedded in the V Radiology entry and are not in the V CPT Code file.

```
SITE: DEMO INDIAN HOSPITAL

DEFAULT HEALTH SUMMARY TYPE: ADULT REGULAR

TYPE OF VISIT: IHS

Beginning FISCAL YEAR Month: OCTOBER

PASS PAPS TO WH FROM V LAB?: YES

DIRECTORY FOR EPI DM: C:/EXPORT/

EHR/CHART AUDIT START DATE: SEP 01, 2008

PACKAGE: LAB SERVICE

PASS DATA TO PCC ?: YES

PACKAGE: RADIOLOGY/NUCLEAR MEDICINE

PASS DATA TO PCC ?: YES
```

Figure 13-1: PCC Master Control File with entry for Radiology/Nuclear Medicine

In PCC, Radiology/Nuclear Medicine procedures are stored in the V RADIOLOGY file. When doing a PCC Visit Display, procedures passed from the Radiology/Nuclear Medicine Package will display under the RADIOLOGY section as shown in Figure 13-2.

Figure 13-2: PCC Visit Display with a V Radiology Entry

In addition, Radiology Nuclear Medicine procedures will display on the Health Summary along with the Impression if entered.

```
----- MOST RECENT RADIOLOGY STUDIES (max 5 years) ------
CHEST 2 VIEWS PA&LAT (08/22/13)
```

IMPRESSION: TEST IMPRESSION

MAMMOGRAM BILATERAL (08/23/13)

IMPRESSION: NO IMPRESSION.

DIGITAL SCREENING MAMMOGRAM (08/23/13)

IMPRESSION: NO IMPRESSION.

Figure 13-3: Health Summary Display of Radiology procedures

14.0 Outside Films Registry Menu

With the advent of digital imaging, the need to send or request hard copy films from other facilities is reduced. However, a tracking system is in place for those sites that still use "wet films."

14.1 Add Films to Registry

The process for tracking films either leaving a facility or that have been requested and received at your facility begin with making an entry in the Outside Films Registry.

```
Rad/Nuc Med Total System Menu Option
Outside Films Registry Menu
Add Films to Registry
Select Outside Films Registry Menu Option: ADD Films to Registry
Select Patient: DEMO, PATIENT PRIVATE
                                   <CWAD> F 12-31-19XX 000003175P CH 999996
Select OUTSIDE FILMS REGISTER DATE: T-2 AUG 15, 2007
 Are you adding 'AUG 15, 2007' as
   a new OUTSIDE FILMS REGISTER DATE (the 1ST for this RAD/NUC MED PATIENT)? No
// Y (Yes)
  OUTSIDE FILMS REGISTER DATE REMARKS: ??
       This field contains a brief comment (2-240 characters) about the outside
        films. It is used mainly to identify what type the outside film is.
        (ie. Chest Films)
  OUTSIDE FILMS REGISTER DATE REMARKS: Requested films of left tibia taken at DEMO
INDIAN HOSPITAL 6 months ago.
 NEEDED BACK DATE: t+15 (SEP 01, 2007)
 SOURCE OF FILMS: DEMO INDIAN HOSPITAL
 REMARKS: Requested films of left tibia taken at DEMO INDIAN HOSPITAL 6 months ago.
```

Figure 14-1: Add Films to Outside Registry

14.2 Outside Films Profile

Reports for films documented in the Outside Films Registry may be tracked for either a patient as shown in Figure 14-2 or by date as shown in Section 14.3, Figure 14-3.

```
Registered: 08/15/07 Returned: still on file 'OK' Needed: No Source: DEMO INDIAN HOSPITAL

Remarks: Requested films of left tibia 6 months ago.
```

Figure 14-2: Outside Films Profile

14.3 Delinquent Outside Film Report for Outpatients

This report may be run on a periodic basis to determine which films from your facility have still not been returned or which films you have not returned to the originating facility.

```
Rad/Nuc Med Total System Menu Option
Outside Films Registry Menu
Delinquent Outside Film Report for Outpatients

Select Outside Films Registry Menu Option: delinquent Outside Film Report for Outpatients
All Films with 'Needed Back' Dates Less Than: T (DEC 29, 2013)
DEVICE: VIRTUAL TERMINAL Right Margin: 80//
IMAGING SERVICE DELINQUENT OUTSIDE FILM REPORT FOR OUTPATIENTS
DEC 29,2013 17:03 PAGE 1
PATIENT
PT ID NEEDED BACK

*** NO RECORDS TO PRINT ***
```

Figure 14-3: Delinquent Outside Film Report

15.0 Patient Profile Menu

The **Patient Profile Menu** is a tool that a Radiology Supervisor can use for troubleshooting. Not only can the record of exams and the status of those exams be tracked for an individual patient, but the list of options exercised by which staff member can also be displayed. Also, the times that the different options were exercised can be displayed if needed.

15.1 Profile of Rad/Nuc Med Exams

```
Rad/Nuc Med Total System Menu ...
Patient Profile Menu
Profile of Rad/Nuc Med Exams
Select Patient Profile Menu Option: profile of Rad/Nuc Med Exams
Select Patient: DEMO, PATIENT PRIVATE
                  **** Registered Exams Quick Profile ****
Patient's Name: DEMO, PATIENT PRIVATE 999996 Run Date: AUG 17,2007
            Case No. Procedure
1 8977 CLAVICLE
Type a '^' to STOP, or
______
 Name : DEMO, PATIENT PRIVATE 999996
 Division : CHOCTAW NATION HOSPI Category : OUTPATIENT Location : MEDICAL IMAGING Ward : Exam Date : AUG 16,2007 11:25 Service : Case No. : 8977 Bedsection : OPD-FAMILY
                                     Clinic : OPD-FAMILY PRACTICE
 Registered : CLAVICLE
                                                   (RAD Detailed) CPT:73000
  Requesting Phy: PROVIDER, STEPHEN A M Exam Status : EXAMINED Int'g Resident: Report Status: NO REPORT
 Requesting Pny: rrovible, The Report Status: No Pre-Verified: NO Cam/Equip/Rm: R1 Diagnosis:
 {\tt Technologist} \;\; : \; {\tt DEMO, TECH \; L \; RTCT} \quad \; {\tt Complication} \; : \; {\tt NO \; COMPLICATION}
                                     Films : 8 \times 10 - 2
Proc Modifiers: BILATERAL EXAM
 CPT Modifiers : None
                         *** Imaging Personnel ***
Primary Int'q Resident:
Primary Int'g Staff :
Pre-Verifier:
Verifier
Secondary Interpreting Resident Secondary Interpreting Staff
```

```
Technologist(s)
                                          Transcriptionist
DEMO, TECH L RTCT
                                       No Report
Do you wish to display activity log? No// y
                       *** Exam Activity Log ***
 Date/Time
                         Action
                                                                Computer User
  Technologist comment
 AUG 16,2007 11:26 EXAM ENTRY
AUG 16,2007 11:27 EDIT BY PATIENT
                                                                DEMO, USER 3 K
                                                                DEMO, USER 3 K
                        *** Exam Status Tracking Log ***
                                   Elapsed Time Cumulative Time e (DD:HH:MM) (DD:HH:MM)
  Status
                         Date/Time
 WAITING FOR EXAM AUG 16,2007 11:26 00:00:01 00:00:01 EXAMINED AUG 16,2007 11:27
```

Figure 15-1: Profile of Rad/Nuc Med Exams

15.2 Display Patient Demographics

The **Display Patient Demographics** option can be used to display the patient's basic demographic information as well as allergies and their Radiology exam history.

```
Rad/Nuc Med Total System Menu ...
Patient Profile Menu
Display Patient Demographics
Select Patient Profile Menu Option: display Patient Demographics
Select PATIENT NAME:
                           Patient Demographics ********
 Name : DEMO,PATIENT PRIVATE Address: 899 STREET ST Pt ID : 999996
 Date of Birth: DEC 31,19XX
 Age : XX
Veteran : No
Eligibility : Unknown
                                                  TOWN, OK 74571
 Exam Category: OUTPATIENT
       : FEMALE
 Phone Number: 555-555-7000
 Narrative : PATIENT DEAF
 Contrast Medium Reaction: Yes
  Other Allergies:
      'V' denotes verified allergy 'N' denotes non-verified allergy
                                       METFORMIN HYDROCHLORIDE (V)
 AZITHROMYCIN(V)
 CHOCOLATE (V)
                                        CHLOSTEROL (V)
  Other Allergies:
       'V' denotes verified allergy 'N' denotes non-verified allergy
```

SUGAR SNACKS(V)

ASPIRIN(V)

METHOTREXATE(V)

MILK(V)

STRAWBERRIES(V)

RADIOLOGICAL/CONTRAST MEDIA(N)

Case # Last 5 Procedures/New Orders Exam Date Status of Exam Imaging Loc.

AUG 16,2007 EXAMINED MEDICAL IMAG

Figure 15-2: Display Patient Demographics

16.0 Management Reports Menu...

The **Management Report Menu** is broken into five general categories. Examples of all of the reports will not be shown in this section as some of the reports are for VA usage only and others are designed for 132-column format. Note that all reports may be run by Division and/or Imaging Location.

```
Daily Management Reports ...
Functional Area Workload Reports ...
Personnel Workload Reports ...
Special Reports ...
Timeliness Reports ...
```

Figure 16-1: Management Reports Main Menu

16.1 Daily Management Reports

16.1.1 Abnormal Exam Report

The **Abnormal Exam report** can be generated only if Diagnostic Codes are entered into Reports. If Diagnostic Codes have not been identified to print on the Abnormal Report and/or no Diagnostic Codes have been entered when reports were entered, there will be nothing to report on the Abnormal Exam Report.

```
Rad/Nuc Med Total System Menu ...
Management Reports Menu ...
Daily Management Reports ...
Abnormal Exam Report

Select Daily Management Reports Option: ABNORMAL Exam Report

ABNORMAL EXAM REPORT

Select Rad/Nuc Med Division: All//
Another one (Select/De-Select):

****Select Diagnostic Codes: All//****
Another one (Select/De-Select):

Print only those exams not yet printed? Yes// NO

**** Date Range Selection ****

Beginning DATE: 1/1/2007 (JAN 01, 2007)

Ending DATE: T (AUG 17, 2007)

DEVICE: HOME// Virtual
```

Figure 16-2: Abnormal Exam Report

16.1.2 Complication Report

The **Complication Report** is generated based on complications entered by staff when exams are edited. If no complications are entered at the time an exam is edited, there will be no complications to report.

```
Rad/Nuc Med Total System Menu ...
Management Reports Menu ...
Daily Management Reports ...
Complication Report
Select Daily Management Reports Option: Complication Report
Select Imaging Type: All//
Another one (Select/De-Select):
**** Date Range Selection ****
  Beginning DATE: 1/1/12 (JAN 01, 2012)
         DATE: 12/31/12 (DEC 31, 2012)
DEVICE: HOME// VIRTUAL TERMINAL Right Margin: 80//
        >>> Complications Report <<<
   Division: DEMO INDIAN HOSPITAL
                                                     Page: 1
Imaging Type: GENERAL RADIOLOGY
                                                     Date: Dec 31, 2013
   Period: JAN 1,2012 to DEC 31,2012.
_____
                            Date/Time Procedure/Complication
Name/Pt-Id
 Personnel
Complications: 0 Exams: 0 % Complications: 0
Contrast Media Complications: 0 C.M. Exams: 0 % C.M. Comp.: 0
        >>> Complications Report <<<
  Division: DEMO INDIAN HOSPITAL
                                                     Page: 2
Imaging Type: MAMMOGRAPHY
                                                     Date: Dec 31, 2013
Period: JAN 1,2012 to DEC 31,2012.
Name/Pt-Id
                           Date/Time Procedure/Complication
```

```
Personnel
Complications: 0 Exams: 0 % Complications: 0
Contrast Media Complications: 0 C.M. Exams: 0 % C.M. Comp.: 0

Division: DEMO INDIAN HOSPITAL
Complications: 0 Exams: 0 % Complications: 0
Contrast Media Complications: 0 C.M. Exams: 0 % C.M. Comp.: 0
```

Figure 16-3: Complication Report

16.1.3 Daily Log Report

The **Daily Log Report** is an important tool to review periodically throughout the day to ensure that work is completed and no exams remain in a status of **Waiting for Exam** or **Examined** if reports have been entered.

```
Rad/Nuc Med Total System Menu ...
Management Reports Menu ...
Daily Management Reports ...
Daily Log Report
Select Daily Management Reports Option: DAILY Log Report
Select Rad/Nuc Med Division: All// CHOCTAW NATION HOSPITAL OKLAHOMA TRIBE/
       TALIHINA 01 OK 556001
Another one (Select/De-Select):
Select Log Date: T-1// (AUG 16, 2007)
DEVICE: HOME// Virtual
                 Daily Log Report For: Aug 16, 2007 Page: 1
: CHOCTAW NATION HOSPITAL Date: Aug 17, 2007
Daily Log Report For: Aug
Division : CHOCTAW NATION HOSPITAL
Imaging Location: MEDICAL IMAGING (GENERAL RADIOLOGY)

Name Pt ID Ward/Clinic Procedure

Exam Status Case # Time Reported
                                                           Reported
______
DEMO, PATIENT PRIVATE 999996 OPD-FAMILY PRACTICE CLAVICLE COMPLETE 8977 11:25 AM Yes
       Imaging Location Total 'MEDICAL IMAGING': 1
       Imaging Type Total 'GENERAL RADIOLOGY': 1
       Division Total 'CHOCTAW NATION HOSPITAL': 1
```

Figure 16-4: Daily Log Report

16.1.4 Delinquent Status Report

The **Delinquent Status Report** looks for exams that fall into the defined examination statuses designated for the report. Note that in Figure 16-5, a status of Complete incorrectly displays on the Delinquent Status Report.

```
Rad/Nuc Med Total System Menu ...
Management Reports Menu ...
Daily Management Reports ...
```

```
Delinquent Status Report
Select Daily Management Reports Option: DELIinquent Status Report
Select Rad/Nuc Med Division: All// HUGO
                          Delinquent Status Report
            The entries printed for this report will be based only
             on exams that are in one of the following statuses:
         GENERAL RADIOLOGY
             WAITING FOR EXAM
             TRANSCRIBED
              DICTATED
              COMPLETE
**** Date Range Selection ****
   Beginning DATE: 8/1/2006 (AUG 01, 2006)
   Ending DATE: 8/31/2006 (AUG 31, 2006)
    Select one of the following:
         I
                  TNPATTENT
         0
                 OUTPATIENT
Report to include: BOTH
    Now that you have selected BOTH do you want to sort by
    Patient or Date ?
    Select one of the following:
                PATIENT
DATE
         D
Enter response: DATE
DEVICE: HOME// Virtual
                         Delinquent Status Report
Division: HUGO HL CT
                                                         Page: 1
Imaging Type: GENERAL RADIOLOGY
                                                         Date: Aug 17, 2007
        ______
Patient Name Case # Pt ID Date Ward/Clinic Rpt State
Procedure Exam Status Rpt Text Interp Phys Rech
                   Exam Status Rpt Text Interp. Phys. Tech
______
xxxxxxxx,xxxxx xxxxx 8875 ?? 08/24/06 OUTPATIENT No Rpt HAND 3 OR MORE VIEWS WAITING FOR No Unknown Unknown
XXXXXX,XXX XXX 8884 84304 08/24/06 HUGO RAD No Rpt TIBIA & FIBULA 2 VIE WAITING FOR No Unknown Unknown
XXXX,XXXXXXX XXXXX 7648 98819 08/28/06 HUGO RAD No Rpt KNEE 2 VIEWS WAITING FOR No Unknown Unknown
XXXX,XXXXXX XXXXX 7808 98819 08/28/06 OUTPATIENT No Rpt
```

KNEE 2 VIEWS		FOR	No		Unknown	
XXXXX,XXX XXX TIBIA & FIBULA 2 VIE	7858			08/28/06 Unknown	HUGO RAD	No Rpt
XXXXX,XXXXXX XXXX FINGER(S) 2 OR MORE				08/29/06	OUTPATIENT	No Rpt
XXXXXX,XXXXX XXXXXX CHEST 2 VIEWS PA&LAT						No Rpt
XXXXXXX,XXXXX XXX XX CHEST 2 VIEWS PA&LAT						No Rpt
Imaging Type Total 'C	GENERAL RA	ADIOI	OGY':	10		
Division Total 'HUGO	HL CT':	LO				

Figure 16-5: Delinquent Status Report

16.1.5 Examination Statistics

Most Radiology departments are required to report numbers of exams performed on a weekly, monthly, or annual basis. This report does not show which exams were done but provides a sub-total by date as well as total for the time frame specified. You may notice a discrepancy between the exam count and visit count. That may in most cases be attributed to patients who had more than one exam per visit or who had bilateral exams.

```
Rad/Nuc Med Total System Menu ...
Management Reports Menu ...
Daily Management Reports ...
Examination Statistics
Select Daily Management Reports Option: Examination Statistics
    Select one of the following:
                 Location
         I
                 Imaging Type
                 Division
                  Totals Only
Enter Report Detail Needed: Location// Division
Select Rad/Nuc Med Division: All//
Another one (Select/De-Select):
**** Date Range Selection ****
  Beginning DATE: 8/1/2006 (AUG 01, 2006)
   Ending DATE: 8/31/2006 (AUG 31, 2006)
DEVICE: HOME// Virtual
```

			>>>> E>	KAMINATION	STATIS	TICS <<	<<<		Pa	ge: 1
Division					Loca					
Run Date	e: Aug					ing Typ				
		F	or Perio	od: Aug 01,	2006	to Aug	31, 200)6.		
				COMPLETE			VAM CAI	rrcopv		
DATE		VISITS	EXAMS	EXAMS				OUT	RES	SHA
Aug 01,	2006	102	127	105	0	0	8	119	0	0
Aug 02,	2006		85	71		0		76	0	0
Aug 03,		79	85	70 64	0	0	6 3	79	0	0
Aug 04,		57	85 89	0 1	U	0	3		0	0
Aug 05,		24	30	25		0	2	28	0	0
Aug 06, Aug 07,	2006	16	22	19 79	0	0	1 6 2	21	0	0
			108	79		0	6	101	1	0
Aug 08,			92	75	0				0	0
Aug 09,		83	93 82	78	0	0	4	89	0	0
Aug 10,		72		62	0	Ü	2	80	0	0
Aug 11,	2006	56	72	48	0	0		67	0	0
Aug 12, Aug 13,	2006	14	15 40	14	0	0	0	15	0	0
	2006	29		38	0	0	2		0	0
Aug 14,				89	0	0	3		1	0
Aug 15,	2006	75	87	78	0	0	1	86	0	0
Aug 16,	2006	69	81	68	0	0	1	80	0	0
Aug 17,		82	115	98	0	0	2		0	0
Aug 18,	2006	73 28	103	66	0	0	2		0	0
Aug 19,	2006	28	37	34	0	0	0	37	0	0
Aug 20,				29	0	0	1	30	0	0
Aug 21,		90	103	80	0	0			0	0
Aug 22,	2006	50	61	34	0	0	5	56	0	0
Aug 23,		58	67	46	0	0	4	63	0	0
Aug 24,		76	86	65	0	0	1	85	0	0
Aug 25,		41	57		0	0	2		0	0
Aug 26,				20	0	0	1	22	0	0
Aug 27,		34	46	37	0	0	7		0	0
Aug 28,	2006	92	113		0	0	5		0	0
Aug 29,	2006	88	112	88	0	0	3		0	0
Aug 30,	2006	79	99	67	0	0	5		0	0
Aug 31,	2006	81	92	72	0	0	7	85	0	0
TOTAL		1891	2364	1845	0	0	104	2258	2	0

Figure 16-6: Examination Statistics

16.1.6 Incomplete Exam Report

This option allows the supervisor to generate a list of all exams that have not been completed. This report is similar to the Delinquent Status report, but unlike that report, this one lists any exam that is not in the complete status.

```
Rad/Nuc Med Total System Menu ...
Management Reports Menu ...
Daily Management Reports ...
Incomplete Exam Report

Select Daily Management Reports Option: INComplete Exam Report
```

```
Select Rad/Nuc Med Division: All// CHOCTAW NATION HOSPITAL
                                                                OKLAHOMA TRIBE/638
TALIHINA 01 OK
                             Incomplete Exam Report
**** Date Range Selection ****
   Beginning DATE: 8/1/2006 (AUG 01, 2006)
   Ending DATE: 8/31/2006 (AUG 31, 2006)
    Select one of the following:
                  INPATIENT
                 OUTPATIENT
                  BOTH
Report to include: BOTH
     Now that you have selected BOTH do you want to sort by
     Patient or Date ?
     Select one of the following:
                  PATIENT
                 DATE
          D
Enter response: DATE
DEVICE: HOME// Virtual
                            Incomplete Exam Report
Division: CHOCTAW NATION HOSPITAL
                                                             Page: 1
Imaging Type: GENERAL RADIOLOGY
                                                             Date: Aug 17, 2007
     ______
Patient Name Case # Pt ID Date Ward/Clinic Rpt Stat
Procedure Exam Status Rpt Text Interp Phys Toch
                     Exam Status Rpt Text Interp. Phys. Tech
______
XXXXXXX,XXXXXX 7586 75725 08/03/06 MED/SURG No Rpt CT ABDOMEN W&W/O CON EXAMINED No Unknown DEMO,TECH L
XXXXXXX,XXXXXX 7588 75725 08/03/06 MED/SURG No Rpt CT PELVIS W&W/O CONT EXAMINED No Unknown DEMO,TECH L
XXXXXXX, XXXXXX XXXXX 6866 69753 08/07/06 MED/SURG No Rpt CT ABDOMEN W&W/O CON EXAMINED No Unknown DEMO, TECH L
XXXXXXX, XXXXXX XXXXX 6871 69753 08/07/06 MED/SURG No Rpt CT PELVIS W&W/O CONT EXAMINED No Unknown DEMO, TECH L
XXXXXXX,XXXXXX XXXXX 8121 69753 08/11/06 MED/SURG No Rpt CHEST 2 VIEWS PA&LAT EXAMINED No Unknown DEMO,TECH H
```

Figure 16-7: Incomplete Exam Report

16.1.7 Unverified Reports

This option allows the user to generate a report that contains the total number of unverified reports for the division and imaging types chosen by the user. The user may select only those divisions and imaging types to which he/she has access.

For each division and imaging type combination, the output is divided into two sections. The first section shows the total number of unverified reports for each interpreting staff physician. The second section shows the total number of unverified reports for each interpreting resident physician.

If there are no unverified reports for the division and imaging type combination, then the message **No Unverified Reports** displays instead of the two sections mentioned above.

```
Rad/Nuc Med Total System Menu ...
Management Reports Menu ...
Daily Management Reports ...
Unverified Reports
Select Daily Management Reports Option: UNVERified Reports
Select Rad/Nuc Med Division: All//
Another one (Select/De-Select):
    Select one of the following:
                   Brief
         d
                  Detailed
                  Exam Date, Itemized List
                  Staff, Itemized List
Note that the Brief and Detailed Report will print on standard 80-column paper. The
Exam Date and Staff, Itemized List are formatted for 132-column output devices.
Enter response: b// Brief
(The date range refers to DATE REPORT ENTERED)
**** Date Range Selection ****
  Beginning DATE: 1/1 (JAN 01, 2013)
           DATE : t (DEC 31, 2013)
Default cut-off limits (in hours) for aging of reports are :
                                      48 96
                                  2.4
Do you want to enter different cut-off limits? N// O
DEVICE: HOME// VIRTUAL TERMINAL Right Margin: 80//
                   >>>> Unverified Reports (brief) <<<<
                                                                     Page: 1
```

Figure 16-8: Unverified Reports

16.2 Functional Area Workload Reports...

Functional Area Workload Reports allow a Radiology Manager to assess the source of their workload by clinic or location.

16.2.1 Clinic Report

```
Rad/Nuc Med Total System Menu ...
Management Reports Menu ...
Functional Area Workload Reports ...
Clinic Report
Select Management Reports Menu Option: FUNCTional Area Workload Reports
          Clinic Report
   Clinic Workload Report:
Do you wish only the summary report? No// YES
Select Rad/Nuc Med Division: All//
Another one (Select/De-Select):
Do you wish to include all Clinics? Yes// YES
**** Date Range Selection ****
   Beginning DATE: 8/1/2006 (AUG 01, 2006)
   Ending DATE: 8/31/2006 (AUG 31, 2006)
             The entries printed for this report will be based only
             on exams that are in one of the following statuses:
          GENERAL RADIOLOGY
              EXAMINED
              TRANSCRIBED
              DICTATED
               COMPLETE
DEVICE: HOME// Virtual
```

```
>>> Clinic Workload Report <<< Page: 1

Division: CHOCTAW NATION HOSPITAL
Imaging Type: GENERAL RADIOLOGY For period: Aug 01, 2006 to: AUG 31,2006

-----Examinations-----

% of % of % of Clinic Inpt Opt Res Other Total Exams WWU WWU

(Imaging Type Summary)
BB-DEMO DOC, PAC 0 1 0 0 1 0.0 2 0.0 CT 0 1 0 0 1 0.0 8 0.1 EMERGENCY ROOM 0 1017 0 0 1017 47.7 3879 43.6 FP-SISK 0 3 0 0 3 0.1 24 0.3 IDABEL - DR. PROVIDER IM 0 1 0 0 1 0.0 2 0.0 IDABEL - DR. PROVIDER II 0 3 0 0 3 0.1 7 0.1
```

Figure 16-9: Clinic Report

16.2.2 Ward Report

Ward Reports allow a Radiology Supervisor to track their Workload by Ward.

```
Rad/Nuc Med Total System Menu ...
Management Reports Menu ...
Functional Area Workload Reports ...
Ward Report
  Ward Workload Report:
Do you wish only the summary report? No// YES
Select Rad/Nuc Med Division: All//
Another one (Select/De-Select):
Do you wish to include all Wards? Yes// YES
**** Date Range Selection ****
  Beginning DATE: 8/1/2006 (AUG 01, 2006)
  Ending DATE: 8/31/2006 (AUG 31, 2006)
            The entries printed for this report will be based only
             on exams that are in one of the following statuses:
         GENERAL RADIOLOGY
             TRANSCRIBED
              DICTATED
              COMPLETE
```

```
DEVICE: HOME// Virtual
   >>> Ward Workload Report <<<
                                                           Page: 1
   Division: CHOCTAW NATION HOSPITAL
Imaging Type: GENERAL RADIOLOGY
                                           For period: Aug 01, 2006 to
   Run Date: AUG 17,2007 14:48
                                               Aug 31, 2006
                           -----Examinations-----
                                                    % of
                         Inpt Opt Res Other Total Exams WWU WWU
Ward
        (Imaging Type Summary)
                      68 0 0 0 68 85.0 325 92.6
12 0 0 0 12 15.0 26 7.4
MED/SURG
OB/GYN
                    80 0 0 0 80 351
Imaging Type Total:
```

Figure 16-10: Ward Report

16.3 Personnel Workload Reports...

Personnel Workload Reports allow the management staff to monitor the number of procedures ordered by their provider staff or the number of procedures performed by their technologists.

16.3.1 Physician Report

```
Rad/Nuc Med Total System Menu ...
Management Reports Menu ...
Personnel Workload Reports ...
Physician Report
Select Personnel Workload Reports Option: PHYSician Report
Requesting M.D. Workload Report:
Do you wish only the summary report? NO// YES
Select Rad/Nuc Med Division: All//
Another one (Select/De-Select):
Do you wish to include all Requesting M.D.s? Yes// YES
**** Date Range Selection ****
  Beginning DATE: 8/1/2006 (AUG 01, 2006)
  Ending DATE: 8/31/2006 (AUG 31, 2006)
            The entries printed for this report will be based only
             on exams that are in one of the following statuses:
          GENERAL RADIOLOGY
```

EXAMINED
TRANSCRIBED
DICTATED
COMPLETE

DEVICE: HOME// Virtual

>>> Requesting M.D. Workload Report <<< Page: 1

Division: CHOCTAW NATION HOSPITAL

Imaging Type: GENERAL RADIOLOGY
 Run Date: AUG 17,2007 14:50
For period: AUG 1,2006 to
AUG 31,2006

		Examinations			Percent		
Requesting M.D.		In	Out	Total	Exams		
(Imaging Type Summa	 ırv)						
PROVIDER, DEAN N PA-C	<i>1</i> ,	0	18	18	0.8		
PROVIDER, HAMPTON W, DO		0	14	14	0.6		
PROVIDER, CARLOS MD		0	3	3	0.1		
PROVIDER, DEE D DO		1	82	83	3.7		
PROVIDER, WAYNE E MD N		0	1	1	0.0		
PROVIDER, MARY ANN PA-C		0	42	42	1.9		
PROVIDER, THOMAS C MD		0	8	8	0.4		
PROVIDER, DONALD E DO		0	140	140	6.3		
PROVIDER, RYAN D MD		1	0	1	0.0		
PROVIDER, ROGER P MD		0	20	20	0.9		
PROVIDER, PAUL Y MD		53	5	58	2.6		
PROVIDER, MARIE C MD		6	4	10	0.4		
		0	2	2	0.1		
PROVIDER, THOMAS C MD		0	10	10	0.4		
DAVID, ANDREW E MD		0	21	21			
PROVIDER, MICHAEL J DO					0.9		
PROVIDER, FRED DO		0	40	40	1.8		
PROVIDER, MARTHA A ARNP-C		0	2	2	0.1		
PROVIDER, MARY S MD		0	4	4	0.2		
PROVIDER, FLOYD K MD		0	22	22	1.0		
PROVIDER, MELINDA S MD		1	5	6	0.3		
HABETS, MICHELLE L PA-C		0	1	1	0.0		
PROVIDER, THOMAS B PA-C		0	2	2	0.1		
PROVIDER, DIXIE ARNP		0	2	2	0.1		
PROVIDER, PHYLLIS D MD		1	11	12	0.5		
PROVIDER, GWENDOLYN PA		0	12	12	0.5		
PROVIDER, JASON L D		0	7	7	0.3		
HOLLAND, ROGER P MD		0	1	1	0.0		
PROVIDER, BARBARA J MD		1	3	4	0.2		
PROVIDER, SEAN P PA-C		0	82	82	3.7		
PROVIDER, RHONDA R PA-C		0	70	70	3.1		
PROVIDER, KRISTI G ARNP		0	185	185	8.3		
PROVIDER, ROBERT H MD		4	19	23	1.0		
PROVIDER, ANTOINE MD		0	3	3	0.1		
PROVIDER, TRACY A DO		0	24	24	1.1		
PROVIDER, WILLYS L DPM		2	42	44	2.0		
PROVIDER, AMELIA C MD		0	114	114	5.1		
PROVIDER, HERVE PA-C		0	131	131	5.9		
PROVIDER, MIKE P DPM		3	38	41	1.8		
PROVIDER, DAVID S DO	N	0	2	2	0.1		
PROVIDER, ATEF F MD		1	102	103	4.6		
PROVIDER, CHRISTOPHER M MD		0	33	33	1.5		
PROVIDER, EDDIE EMERSON PA-		0	1	1	0.0		
PROVIDER, CH MD		3	21	24	1.1		
11.0.1221() 011 112		9	21	2 1	- · ·		

Configuration and User Guide September 2020

PROVIDER, JOHNNY R DO	0	23	23	1.0	
PROVIDER, RAMON O, MD	0		1		
PEBENITO, CHARISSA P, MD	3	16	19	0.9	
PROVIDER, G P DO	0	1	1	0.0	
PROVIDER, MARYELLEN CNM	0		7		
PROVIDER, JASON K DO	0	186	186	8.4	
PROVIDER, SHIELA D ARNP	0	22	22	1.0	
PROVIDER, STEPHEN A MD	3	54	57	2.6	
PROVIDER, JOANN C PNP	0	32		1.4	
PROVIDER, MELINDA F ARNP	0	14	14	0.6	
PROVIDER, DONNA J CNM	0	11	11	0.5	
PROVIDER, KELLIE	0	1	1	0.0	
PROVIDER, JAMES P DO	5	38	43	1.9	
PROVIDER, STEVE O MD	0	10	10	0.4	
PROVIDER, TAMMY MICHELLE PA-C	0	22	22	1.0	
PROVIDER, BENJAMIN C OD	0	2	2	0.1	
PROVIDER, BAO MD	0	8	8	0.4	
PROVIDER, SUZANNE PA-C	0	21	21	0.9	
PROVIDER, GARY E MD	0	207	207	9.3	
PROVIDER, TAMRA J PA	0	12	12	0.5	
PROVIDER, JONI A CNM	0	10	10	0.4	
PROVIDER, JOSE M MD	0	22	22	1.0	
PROVIDER, D MD N	5	61	66	3.0	
Imaging Type Total	93	2130	2223		

Figure 16-11: Physician Report

16.3.2 Technologist Report

```
Rad/Nuc Med Total System Menu ...
Management Reports Menu ...
Personnel Workload Reports ...
Technologist Report
Select Personnel Workload Reports Option: TECHNologist Report
Technologist Workload Report:
Do you wish only the summary report? NO// YES
Select Rad/Nuc Med Division: All//
Another one (Select/De-Select):
Do you wish to include all Technologists? Yes// YES
**** Date Range Selection ****
   Beginning DATE: 8/1/2006 (AUG 01, 2006)
   Ending DATE: 8/31/2006 (AUG 31, 2006)
             The entries printed for this report will be based only
             on exams that are in one of the following statuses:
          GENERAL RADIOLOGY
```

EXAMINED TRANSCRIBED DICTATED COMPLETE DEVICE: HOME// Virtual >>> Technologist Workload Report <<< Page: 1 Division: CHOCTAW NATION HOSPITAL
ging Type: GENERAL RADIOLOGY For period: AUG 1,2006 to
AUG 31,2006 Imaging Type: GENERAL RADIOLOGY Run Date: AUG 17,2007 14:51 Examinations reference In Out Total Exams WWU WWU Examinations Percent Percent Technologist (Imaging Type Summary)
 4
 94
 98
 4.4
 371
 4.0

 20
 297
 317
 14.2
 1179
 12.6

 11
 410
 421
 18.9
 1027
 11.0

 16
 292
 308
 13.8
 2318
 24.7

 11
 226
 237
 10.6
 565
 6.0

 4
 84
 88
 3.9
 348
 3.7

 11
 170
 181
 8.1
 573
 6.1

 0
 2
 2
 0.1
 4
 0.0

 2
 44
 46
 2.1
 129
 1.4

 2
 155
 157
 7.0
 599
 6.4
 DEMO, TECH RIMCT DEMO, TECH M DEMO, TECH S RT DEMO, TECH L RTCT DEMO, TECH GL DEMO, TECH TM DEMO, TECH JW RT DEMO, TECH RRW RT DEMO, TECH SM RT 2 155 157 7.0 599 6.4 0 11 11 0.5 29 0.3 DEMO, TECH BG RT DEMO, TECH SA RT 13 191 204 9.1 1448 15.5 DEMO, TECH M RT 0 161 161 7.2 780 8.3 DEMO, TECH K RT Imaging Type Total 94 2137 2231 9370 NOTE: Since a procedure can be performed by more than one technologist, the total number of exams and weighted work units by division and imaging type is likely to be higher than the other workload reports.

Figure 16-12: Technologist Report

16.4 Special Reports...

The special reports menu offers the most options for determining the number and types of procedures performed by Division or by Imaging Location. In addition, the Status Time Report provides turnaround time statistics for individual exams.

```
AMIS Code Dump by Patient
AMIS Report
Camera/Equip/Rm Report
Cost Distribution Report

Detailed Procedure Report
Film Usage Report
Procedure Scaled wRVU/CPT Report
Procedure wRVU/CPT Report
Procedure/CPT Statistics Report
Status Time Report
```

Wasted Film Report

Figure 16-13: Special Reports Menu

16.4.1 Detailed Procedure Report

```
Rad/Nuc Med Total System Menu ...
Management Reports Menu ...
Special Reports ...
Detailed Procedure Report
Select Special Reports Option: DETAIled Procedure Report
Select Rad/Nuc Med Division: All// CHOCTAW NATION HOSPITAL OKLAHOMA TRIB
E/638 TALIHINA 01 OK 556001
Another one (Select/De-Select):
**** Date Range Selection ****
  Beginning DATE: 8/1/2006 (AUG 01, 2006)
  Ending DATE: 8/31/2006 (AUG 31, 2006)
           The entries printed for this report will be based only
           on exams that are in one of the following statuses:
        GENERAL RADIOLOGY
            EXAMINED
            TRANSCRIBED
            DICTATED
             COMPLETE
DEVICE: HOME// Virtual
       >>>> Detailed Procedure Workload Report <<<<
    Division: CHOCTAW NATION HOSPITAL
Imaging Type: GENERAL RADIOLOGY
    Run Date: AUG 17,2007 14:53
                                             For period: AUG 1,2006 to
                                                       AUG 31,2006
                                 Examinations Percent Percent
                               In Out Total Exams WWU WWU
 Procedure
   Amis: 1 SKULL, INC. SINUS, MASTOID, JAW, ETC
 0
                                      11
                                            11
 AMIS CATEGORY TOTALS
   Amis: 2 CHEST-SINGLE VIEW
 ABDOMEN MIN 3 VIEWS+CHEST 0 65 65 32.0 65 32.0
```

ACUTE ABDOMEN	0	12	12	5.9	12	5.9	
CHEST APICAL LORDOTIC	0	1	1	5.9 0.5	1	0.5	
CHEST SINGLE VIEW	15	95	110	54.2	110	54.2	
LATERAL DECUB CHEST VIEW	0	1	1	0.5	1	0.5	
LORDOTIC VIEW CHEST	0	1	1	0.5	1	0.5	
RIBS UNILAT+CHEST 3 OR MORE VI	0	13	13	6.4	13	6.4	
KIBS ONTEAT CHEST S ON MONE VI	O	13	13	0.4	13	0.4	
AMIS CATEGORY TOTALS	15	1 0 0	203		203		
APIIS CATEGORI TOTALS	13	100	203		203		
Amia. 2 CHECE MILETRE VIEW							
Amis: 3 CHEST MULTIPLE VIEW	1.0	000	015	100 0	420	100 0	
CHEST 2 VIEWS PA&LAT	12	203	215	100.0	430	100.0	
ANTO CAMBOODY MODALO	1.0	000	015		420		
AMIS CATEGORY TOTALS	12	203	215		430		
	_						
Note: Numerous pages of report not	shown	ın ord	er to d	isplay s	summary	7 •	
>>>> Detailed Procedure Wo	orkload	Repor	t <<<<<			Page: 23	
Division: CHOCTAW NATION HOSPIT							
Imaging Type: GENERAL RADIOLOGY Run Date: AUG 17,2007 14:53			For	period:	AUG	1,2006 to	
Run Date: AUG 17,2007 14:53					AUG 3	1,2006	
						Percent	
Amis Category	In	Out	Total	Exams	WWU	WWU	
							-
(Division Summary)							
1-SKULL, INC.SINUS, MASTOID, JAW, ET	0	11	11	0.5	33	0.4	
1-SKULL, INC. SINUS, MASTOID, JAW, ET 2-CHEST-SINGLE VIEW 3-CHEST MULTIPLE VIEW	15	188	203	8.8	203	2.2	
3-CHEST MULTIPLE VIEW	12	203	215	9.3	430	4.6	
5-ABDOMEN-KUB	4	35	39	1.7	78	0.8	
5-ABDOMEN-KUB 6-OBSTRUCTIVE SERIES 7-CYPTETAL-SPINE & SACROLLIAC	7	68	75	1.7 3.2	225	2.4	
7-SKELETAL-SPINE & SACROILIAC	0	104	104	4.5	312	3.3	
7-SKELETAL-SPINE & SACROILIAC 8-SKELETAL-BONE & JOINTS	10	731	741	32.0	1482	15.9	
9-GASTROINTESTINAL	Ω	33	33	1 4	198	2 1	
10-GENITOURINARY	0	1.0	10	0 4	60	0.6	
12-CHOLANGIOGRAM	Δ	7.0	7	0.4	7.0	0.0	
	<u>4</u>	2	2	0.3	3.0	0.7	
10-MENOCDAM		_	2	0.1	30	10.5	
19-VENOGRAM	20	116	171	20 5			
19-VENOGRAM 21-COMPUTED TOMOGRAGHY	0 28	446	474	20.5	3792	40.6	
23-ULTRASOUND, ECHOENCEPHALOGRAM	13	194	207	8.9	1449	15.5	
23-ULTRASOUND, ECHOENCEPHALOGRAM	13	194	207	8.9	1449	15.5	
23-ULTRASOUND, ECHOENCEPHALOGRAM 24-OTHER 25-EXAMS IN OPER.SUITE AT SURGERY	13 0 4	194 196 10	207 196 14	8.9 8.5 0.6	1449 980 89	15.5 10.5 1.0	
23-ULTRASOUND, ECHOENCEPHALOGRAM	13 0 4	194 196 10	207 196 14	8.9 8.5 0.6	1449 980 89	15.5 10.5 1.0	
23-ULTRASOUND, ECHOENCEPHALOGRAM 24-OTHER 25-EXAMS IN OPER.SUITE AT SURGERY	13 0 4	194 196 10	207 196 14	8.9 8.5 0.6	1449 980 89	15.5 10.5 1.0	

Figure 16-14: Detailed Procedure Report

16.4.2 Procedure/CPT Statistics Report

```
Rad/Nuc Med Total System Menu ...
Management Reports Menu ...
Special Reports
Procedure/CPT Statistics Report

Select Special Reports Option: PROCEdure/CPT Statistics Report

Do you want to count CPT Modifiers separately? NO//

Select Rad/Nuc Med Division: All// CHO CTAW NATION HOSPITAL OKLAHOMA TRIB
```

```
E/638 TALIHINA 01 OK 556001
Another one (Select/De-Select):
Do you wish to include cancelled cases? Yes// NO
Do you wish to include all Procedures? Yes// YES
**** Date Range Selection ****
  Beginning DATE: 8/1/2006 (AUG 01, 2006)
  Ending DATE: 8/31/2006 (AUG 31, 2006)
   Select one of the following:
             INPATIENT
OUTPATIENT
              BOTH
Report to include: BOTH//
DEVICE: HOME// Virtual
        >>>> PROCEDURE/CPT STATISTICS REPORT (INPATIENT) <>>> Page: 1
Imaging Type: GENERAL RADIOLOGY For period: 08/01/06 to Run Date: AUG 17,2007 14:54 08/31/06
   # of Procedures selected: All
                                   Cancelled Exams: excluded
                                # DONE (%) $UNIT $TOTAL (%)
CPT PROCEDURE
______
```

	>>>> PROCEDURE/CPT STATISTICS REF	ORT (OU	TPATIE	ENT) <<<<	Page: 4	
Di	vision: CHOCTAW NATION HOSPITAL				/01 /0 <i>C</i> + -	
Imagin	g Type: GENERAL RADIOLOGY n Date: AUG 17,2007 14:54 of Procedures selected: All		For p	perioa: U8/	/UI/U6 to	
# .	of Procedures selected: All		Canco	UO/	31/00	1
π	or frocedures serected. Arr		Carroe	SIICA EXAME	. excluded	
CPT	PROCEDURE	# DONE	(%)	\$UNIT	\$TOTAL	(%)
70140	FACIAL BONES, LESS THAN 3 VIEWS NASAL BONES MIN 3 VIEWS SINUSES MIN 2 VIEWS SINUSES 3 OR MORE VIEWS SKULL 4 OR MORE VIEWS CT HEAD W/O CONT CT HEAD W&WO CONT	1	0	0.00	0.00	0
70160	NASAL BONES MIN 3 VIEWS	2	0	0.00	0.00	0
70210	SINUSES MIN 2 VIEWS	2	0	0.00	0.00	0
70220	SINUSES 3 OR MORE VIEWS	3	0	0.00		0
70260	SKULL 4 OR MORE VIEWS	1	0		0.00	0
70450	CT HEAD W/O CONT	94	4	0.00	0.00	0
70460	CT HEAD W/IV CONT	1	0	0.00	0.00	0
70470	CT HEAD W&WO CONT	19	1			0
/0480	CT ORBIT SELLA P FOS OR TEMP BONE W/C	3	Ü	0.00	0.00	0
70486	CT MAXILLOFACIAL W/O CONT	16	1	0.00	0.00	0
70490	CT NECK SOFT TISSUE W/O CONT	1	0	0.00	0.00	0
70491	CT NECK SOFT TISSUE W/CONT	3	0	0.00	0.00	0
71010	CHEST SINGLE VIEW	95	4	0.00	0.00	0
71010	LORDOTIC VIEW CHEST	1	0	0.00	0.00	0
71020	CHEST 2 VIEWS PA&LAT	203	9	0.00	0.00	0
71021	CHEST APICAL LORDOTIC	1	0	0.00	0.00	0
71035	LATERAL DECUB CHEST VIEW	1	0	0.00	0.00	0
71100	RIBS UNILAT 2 VIEWS	1	0	0.00	0.00	0
71101	RIBS UNILAT+CHEST 3 OR MORE VIEWS	13	1	0.00	0.00	0
71110	RIBS BILAT 3 OR MORE VIEWS	2	0	0.00	0.00	0
71250	CT THORAX W/O CONT	5	0	0.00		0
71260	CT THORAX W/CONT	24	1	0.00	0.00	0
71270	CT MAXILLOFACIAL W/O CONT CT NECK SOFT TISSUE W/O CONT CT NECK SOFT TISSUE W/CONT CHEST SINGLE VIEW LORDOTIC VIEW CHEST CHEST 2 VIEWS PA&LAT CHEST APICAL LORDOTIC LATERAL DECUB CHEST VIEW RIBS UNILAT 2 VIEWS RIBS UNILAT 2 VIEWS RIBS BILAT 3 OR MORE VIEWS RIBS BILAT 3 OR MORE VIEWS CT THORAX W/O CONT CT THORAX W/CONT CT THORAX W&W/O CONT SPINE SINGLE VIEW LUMBAR SPINE SINGLE VIEW SPINE CERVICAL MIN 2 VIEWS SPINE CERVICAL MIN 4 VIEWS	1	0	0.00		0
72020	SPINE SINGLE VIEW	1	0	0.00	0.00	0
72020	LUMBAR SPINE SINGLE VIEW	1	0	0.00	0.00	0
72040	SPINE CERVICAL MIN 2 VIEWS	22	1	0.00	0.00	0
72050	SPINE CERVICAL MIN 2 VIEWS SPINE CERVICAL MIN 4 VIEWS SPINE THORACIC 2 VIEWS	9	0	0.00		0
72070	SPINE THORACIC 2 VIEWS	27	1			0
72100	SPINE LUMBOSACRAL MIN 2 VIEWS	22	1	0.00	0.00	0
72110	SPINE LUMBOSACRAL MIN 2 VIEWS SPINE LUMBOSACRAL MIN 4 VIEWS CT CERVICAL SPINE W/O CONT	19	1	0.00	0.00	0
72125	CT CERVICAL SPINE W/O CONT	2.9	1	0.00	0.00	0

Figure 16-15: Procedure /CPT Statistics Report

16.4.3 Film Usage Report

The film usage report is of less value at the current time because of the availability of detailed reports from most modalities.

```
Rad/Nuc Med Total System Menu ...
Management Reports Menu ...
Special Reports ...
Film Usage Report

Select Special Reports Option: FILM Usage Report

Film Usage Report

------
Do you wish only the summary report? NO// YES
```

```
Select Rad/Nuc Med Division: All// CHOC TAW NATION HOSPITAL OKLAHOMA TRIB
E/638 TALIHINA 01 OK 556001
Another one (Select/De-Select):
Do you wish to include all Films? Yes// YES
**** Date Range Selection ****
   Beginning DATE: 8/1/2006 (AUG 01, 2006)
   Ending DATE: 8/31/2006 (AUG 31, 2006)
                The entries printed for this report will be based only
                 on exams that are in one of the following statuses:
            GENERAL RADIOLOGY
                  EXAMINED
                  TRANSCRIBED
                  DICTATED
                  COMPLETE
DEVICE: HOME// Virtual
         >>>> Film Usage Report <<<<
                                                                                      Page: 1
    Division: CHOCTAW NATION HOSPITAL
Imaging Type: GENERAL RADIOLOGY
                                                             For period: AUG 1,2006 to
    Run Date: AUG 17,2007 14:54
                                                                            AUG 31,2006
                                                Number Number Films Percentage
                                                of of per Films
Films* Exams Exam Used
 Film Size
           (Imaging Type Summary)

    1189
    562
    2.1
    22.2

    98
    22
    4.5
    1.8

    353
    138
    2.6
    6.6

    66
    31
    2.1
    1.2

    613
    246
    2.5
    11.5

    720
    383
    1.9
    13.5

    1490
    425
    3.5
    27.9

    413
    212
    1.9
    7.7

    407
    112
    3.6
    7.6

    1
    1
    1.0
    0.0

10x12
10x12 mam
11x14 (30x35cm)
14 \times 14
14x17 (35x43cm)
14x17 Chest Kodak InSight
14x17 ct
8x10
8x10 Mam
NO FILMS STANDBY TIME
                                          5350 2132 2.5
 Imaging Type Total
* Cine data not included in imaging type totals.
 Percentages calculated on film data only.
    # of Films selected: ALL
```

Figure 16-16: Film Usage Report

16.4.4 Status Time Report

```
Rad/Nuc Med Total System Menu ...
Management Reports Menu ...
Special Reports ...
Status Time Report
Select Special Reports Option: STAtus Time Report
Select Rad/Nuc Med Division: All// CHOC TAW NATION HOSPITAL OKLAHOMA TRIB
         TALIHINA 01 OK 556001
Another one (Select/De-Select):
Select all requesting locations? Y/N: Y
Select IMAGING TYPE: GENE RAL RADIOLOGY
Select all procedures? Y/N: Y
**** Date Range Selection ****
   Beginning DATE: 8/1/2006 (AUG 01, 2006)
    Ending DATE: 8/31/2006 (AUG 31, 2006)
Do you wish to print detailed reports? No//
DEVICE: HOME// Virtual
                           ** Status Tracking Statistics Report **
                                                                                           Page: 1
                             Division Summary Procedure Detail
   Run Date: 08/17/07
                                                   For Period: 08/01/06 - 08/31/06
   Run Date: U8/17/07

Division: CHOCTAW NATION HOSPITAL Imaging Type: GENERAL RADIOLOGY
Requesting Location:ALL Procedure:ALL
                                                                                           Page: 2
                           ** Status Tracking Statistics Report **
                             Division Summary Procedure Detail
   Run Date: 08/17/07 FOI FEITOG. 00/01/01
Division: CHOCTAW NATION HOSPITAL Imaging Type: GENERAL RADIOLOGY
Peguesting Location:ALL Procedure:ALL
             From: WAITING FOR EXAM
             To : EXAMINED
                                          Minimum Maximum Average
                                                          Time
                                     (DD:HH:MM) (DD:HH:MM) Procedures
     Procedure (CPT)
SINUSES MIN 2 VIEWS(70210) 00:00:00 00:00:47 00:00:23 SINUSES 3 OR MORE VIEWS(70220) 00:00:10 00:00:27 00:00:18 SKULL 4 OR MORE VIEWS(70260) 00:01:25 00:01:25 00:01:25 CT HEAD W/O CONT(70450) 00:00:06 33:15:10 00:22:04 CT HEAD W&WO CONT(70470) 00:00:44 02:23:55 00:13:39 CT ORBIT SELLA P FOS OR T(70480)00:00:49 00:21:57 00:08:17 CT MAXILLOFACIAL W/O CONT(70486)00:00:20 37:05:59 03:03:59
                                                                                                2
                                                                                             94
                                                                                              19
                                                                                              13
```

Overall:	00:00:00	16:04:14	00:11:49	1844							
** \$+a+ne ¶	Tracking Stat	istice Rano	r+ **	Page: 21							
	** Status Tracking Statistics Report ** Page: Division Summary Procedure Detail										
Run Date: 08/17/07 For Period: 08/01/06 - 08/31/06											
Division: CHOCTAW NATION HOSPITAL Imaging Type: GENERAL RADIOLOGY											
Requesting Location:ALL		ocedure:ALL									
From: EXAMINED											
To : COMPLETE											
	Minimum	Maximum	Average								
	Time		Time								
Procedure (CPT)		(DD:HH:MM)	(DD:HH:MM)								
CT HEAD W/O CONT(70450)	74:18:23	74:18:23	74:18:23	1							
CT MAXILLOFACIAL W/O CONT(70486											
CHEST 2 VIEWS PA&LAT(71020)	66:00:11	74:12:05	71:13:07	7							
RIBS UNILAT+CHEST 3 OR MO(71101				1							
SPINE THORACIC 2 VIEWS(72070) SPINE LUMBOSACRAL MIN 2 V(72100	73:02:17	73:02:17	73:02:17	1							
SPINE LUMBOSACRAL MIN 2 V(72100))73:02:17	73:02:17	73:02:17	1							
Overall:	38:18:51	75:23:38	66:20:40	86							
	Tracking Stat		rt **	Page: 25							
Dur Data (00/17/07		. D	/01/06 00/	/21 /06							
Run Date: 08/17/07		r Period: 08,									
Division: CHOCTAW NATION HOSE Requesting Location: ALL	Pro	ocedure:ALL	JENEKAL KADI	OLOGI							
	Minim	Maximum	7								
	Minimum Time	Maximum Time		Number of							
		(DD:HH:MM)									
	(MM: UII: AAA)		(וייים אוויים (חבריים)								
From: WAITING FOR EXAM											
To : COMPLETE	64:19:42	64:19:42	64:19:42	1							
· OOM BETT	51.15.12	51.15.12	01.19.12	_							
From: WAITING FOR EXAM											
To : EXAMINED	00:00:00	16:04:14	00:11:49	1844							
From: EXAMINED											
To : COMPLETE	38:18:51	75:23:38	66:20:								

Figure 16-17: Status Time Report

16.5 Timeliness Reports

The **Timeliness Reports** are quality assurance reports on the timeliness of processing Radiology procedures and reports. They are divided into three main categories.

```
Outpatient Procedure Wait Time ...
Verification Timeliness ...
Radiology Timeliness Performance Reports ...
```

Figure 16-18: Radiology Timeliness Performance Reports

Only one report will be demonstrated in Figure 16-19, the Verification Timeliness Summary Report.

```
Rad/Nuc Med Total System Menu ...
Management Reports Menu ...
Timeliness Reports ...
Verification Timeliness ...
Summary/Detail Report
Radiology Verification Timeliness Report
Enter Report Type
    Select one of the following:
                 Summary
         S
                  Detail
         D
         В
                  Both
Select Report Type: S// Summary
   The begin date for Summary and Both must be at least 10 days before today.
Enter starting date: 1/1/2003 (JAN 01, 2003)
   The ending date for Summary and Both must be at least 10 days before today.
Enter ending date: (1/1/2003 - 4/2/2003): 1/31/2003 (JAN 31, 2003)
Select Primary Interpreting Staff Physician (Optional):
Select Imaging Type: All//
Another one (Select/De-Select):
Send summary report to local mail group "G.RAD PERFORMANCE INDICATOR"? Yes// NO
    No OUTLOOK mail group(s) have been entered yet.
DEVICE: HOME//
                   Summary Verification Timeliness Report
                                                               Page: 1
Facility: DEMO INDIAN HOSPITAL
                                    Station: 8907 VISN:
Division: DEMO INDIAN HOSPITAL
Exam Date Range: 1/1/03 - 1/31/03
Imaging Type(s): GENERAL RADIOLOGY, MAMMOGRAPHY
Run Date/Time: 12/31/13 2:49 pm
Total number of reports expected for procedures performed during specified
date range: 1897
      >0 >24
                  >48 >72 >96 >120 >144 >168 >192 >216 >240 PENDING
From -24 -48
                  -72 -96 -120 -144 -168 -192 -216 -240 Hrs
Ex Dt Hrs Hrs Hrs Hrs Hrs Hrs Hrs Hrs Hrs
      9
           316
                  520 455 259 192 99 25
                                                    5
                                                         5
#Tr
                                                                8
                                                                        4
%Tr
      0.5 16.7 27.4 24.0 13.7 10.1 5.2 1.3 0.3 0.3 0.4
                                                                       0.2
```

385 403 474 304 82 13 %Vr 6.6 20.3 21.2 25.0 16.0 4.3 4.8 0.7 0.2 0.6 0.2 Summary Performance Indicator Report Page: 2 * Columns represent # of hours elapsed from exam date/time through date/time report entered or date/time report was verified. e.g. ">0-24 Hrs" column represents those exams that had a report transcribed and/or verified within 0-24 hours from the exam date/time. * Columns following the initial elapsed time column ">0-24 Hrs" begin at .0001 after the starting hour (e.g. ">24-48 Hrs" = starts at 24.001through the 48th hour.) * PENDING means there's no data for DATE REPORT ENTERED or VERIFIED DATE. So, if the expected report is missing one of these fields, or is missing data for fields .01 through 17 from file #74, RAD/NUC MED REPORTS, or is a Stub Report that was entered by the Imaging package when images were captured before a report was entered, then the expected report would be counted in the PENDING column. * A printset, i.e., a set of multiple exams that share the same report, will be expected to have 1 report.

* Cancelled and "No Credit" cases are excluded from this report.

Figure 16-19: Verification Timeliness Report

17.0 Supervisor Menu

There are some options in the Supervisor's Menu which should be used sparingly and only in special cases.

17.1 Delete a Report

This option allows the Supervisor to delete a report that has been entered in error.

17.2 Exam Deletion

Deletion of an exam is prohibited if the exam has an associated report or image. The report and the image must be deleted first using the VISTA work station before the exam can be deleted.

Once the examination is DELETED, the user will be prompted to answer with a YES or NO to cancel the request associated with this exam. If YES, the request will also be cancelled and the request status updated to CANCELLED. If NO, the request status will be updated to HOLD and may be selected for registration at a future date.

17.3 Override a Single Exam's Status to Complete

This menu option allows the Radiology Supervisor or designated staff to override the status of any exam to complete. The only exceptions to this function are exams which are already complete or those which have been cancelled.

The option probably should not be used by any Radiology service, but it is a useful tool for a small site that performs no Radiology on site. When a completed report comes back from a Radiology referral, the patient may be registered for that exam and the exam subsequently either edited or immediately overridden to complete.

17.4 Restore a Deleted Report

If a report has been deleted in error, this option can be used to restore the deleted report to its case, only if another report was not linked to the case in the interim (time between the report deletion and restoration.) The restored report is re-assigned the report status it had prior to the Deleted report status. However, the status of the exam is not automatically updated.

17.5 Unverify a Report for Amendment

This option allows the supervisor to unverify a report. It is typically used if a second read is provided by another Radiologist or if the original Radiologist wishes to alter or append to an existing report. This option should not be given to other users. As the report is unverified, a copy of it is saved for medical/legal purposes, and the report can be amended using any option that allows report entry or edit function. After the amended report is re-verified, displays and printouts of the report will always have a notation at the top to call attention to the fact that it has been amended.

18.0 Passing Mammograms to Women's Health

While it is recognized that the Women's Health package is being phased out, some facilities that perform mammograms on site still use the Women's Health package for mammogram tracking.

In order to use the existing functionality to pass mammograms to Women's Health, several steps must be taken.

1. Diagnostic Codes must be entered for all mammogram reports. The recommendation is to use American College of Radiologist (ACR) BI-RAD codes. These should have been loaded with Radiology/Nuclear Medicine V 5.0 patch 1003. You can confirm their presence by using the following Radiology/Nuclear Medicine Package menu path.

```
Supervisor Menu
Utility Files Maintenance Menu
Diagnostic Codes Enter/Edit
```

Figure 18-1: Menu path to create/edit diagnostic codes in Radiology/Nuclear Medicine

- 1 NEGATIVE
- 2 BENIGN FINDINGS
- 3 PROBABLY BENIGN SHORT INTERVAL FOLLOW-UP
- 4 SUSPICIOUS ABNORMALITY, SUGGEST BIOPSY
- 5 HIGHLY SUGGESTIVE OF MALIGNANCY
- 0 ASSESSMENT INCOMPLETE
- 2. Diagnostic Codes must be linked to a Women's Health diagnosis. The menu path to complete that linkage is in the **Women's Health** menu.

```
Women's Health
Manager's Functions
File Maintenance Menu
Edit Diagnostic Code Translation File
```

Figure 18-2: Menu path to linking Radiology diagnostic codes to Women's Health diagnosis

For each of the Women's Health Result/Diagnosis for a Mammogram Result, enter the corresponding Radiology Diagnostic Code. In Figure 18-3 below, a linkage has been created for **Prbly Benign**, **Short Int F/U**.

```
* * * WOMEN'S HEALTH: EDIT BW DIAGNOSTIC CODE TRANSLATION FILE * * *

Select RESULT/DIAGNOSIS: Prbly Benign, Short Int F/U 4
```

```
Are you adding 'Prbly Benign, Short Int F/U' as
  a new BW DIAGNOSTIC CODE TRANSLATION (the 2ND)? No// Y (Yes)
WOMEN'S HEALTH DIAGNOSIS: Prbly Benign, Short Int F/U
       //
RADIOLOGY DIAGNOSTIC CODE: MAM -
   1 MAM - ASSESSMENT IS INCOMPLETE
   2 MAM - BENIGN FINDING, NEGATIVE
      MAM - HIGHLY SUGGESTIVE OF MALIG, ACTION SHOULD BE TAKEN
       MAM - NEGATIVE
   5
       MAM - NOT INDICATED
Press <RETURN> to see more, '^' to exit this list, OR
CHOOSE 1-5: <ENTER>
   6 MAM - PROBABLY BENIGN FINDING, SHORT INTERVAL F/U SUGGESTED
   7 MAM - SUSPICIOUS ABNORMALITY, BIOPSY SHOULD BE CONSIDERED
CHOOSE 1-7: 6
```

Figure 18-3: Linking Radiology diagnostic codes to Women's Health diagnoses

3. Set up the Women's Health site parameters to update with Mammograms from Radiology. Note that this screen is on Page 2 of the site parameters.

```
Women's Health
Manager's Functions
Edit Site Parameters
```

```
* * * EDIT SITE PARAMETERS FOR CIMARRON HOSPITAL * * *

CDC.....:

CDC Export: NO FIPS County Code:
Current MDE Version: 4.1 FIPS Program Code:
Bethesda 1991 Start Date: JAN 1,1991 CDC Tribal Pgm Abbreviation:
Bethesda 2001 Start Date: OCT 1,2002 Date CDC Funding Began:
Default Specimen Type: CONVENTIONAL SMEAR

HFS....: Host File Path: /usr/spool/uucppublic

RADIOLOGY: Import Mammograms from Radiology: YES
Status Given to Imported Mammograms: OPEN

PCC....: Run PCC Link in Diagnostic Mode: YES (PAGE 2 OF 5)
```

Figure 18-4: Editing Women's Health site parameters to import mammograms from Radiology

4. Adjust the Women's Health Site Parameters to *not* pass mammograms from Women's Health to PCC for On-Site Procedures. This is important to avoid creating duplicate entries for mammograms in PCC. Note that the options for mammograms are on pages 4 and 5 of the site parameters.

```
Women's Health
Manager's Functions
Edit Site Parameters
```

* * * EDIT SITE	PARAMETERS FOR	R DEMO INDIAN HOSPITAL	* * *
Procedure Type	Active	Pass to PCC	DAYS
DELINQ			
Mammogram Dx Unilat	YES	OFF-SITE ONLY	30
Mammogram Screening	YES	OFF-SITE ONLY	30
Mastectomy	YES	BOTH ON- & OFF-SITE	30
Needle Biopsy	YES	BOTH ON- & OFF-SITE	30
Open Biopsy	YES	BOTH ON- & OFF-SITE	30
PAP Smear	YES	BOTH ON- & OFF-SITE	30
Pregnancy Test	YES	BOTH ON- & OFF-SITE	30
STD Evaluation	YES	BOTH ON- & OFF-SITE	30
Stereotactic Biopsy	YES	BOTH ON- & OFF-SITE	30
		(PAGE	5 OF 5)

Figure 18-5: Switching Site parameters for Women's Health to pass Mammograms for Off-Site Only

5. Test with a Demo,Patient who is on the Women's Health Register by entering a screening mammogram with a Diagnostic Code in Radiology. When editing the exam for the patient, you should see a message, "Now updating Women's Health database." When the report is verified, you should be able to see a screening mammogram with a diagnosis under that patient's profile in Women's Health. If the patient is not on the Women's Health Register, the default Case Manager in Women's Health should receive a RPMS MailMan bulletin notifying that an entry could not be made for a mammogram in Woman's Health because the patient was not on the Register.

19.0 Interfacing

Radiology/Nuclear Medicine Interfaces can take many forms and numerous vendors are available. The four basic kinds of interfaces available include:

- 1. PACS interface images are electronically passed to and stored on a server.
- 2. Modality Worklist interface orders from RPMS electronically populate a Worklist on one or more desired modalities.
- 3. Report interface reports electronically post back to the Radiology/Nuclear Medicine Report and are electronically verified.
- 4. Scanned interface reports are scanned using the VISTA Scanning software and can be linked to the Radiology case number for provider review in EHR.

Any one of these interfaces can be used in conjunction with one or more of the others. All except the Scanning interface use HL7 language for coding in order to meet the Digital Imaging and Communications in Medicine (DICOM) standards.

An example of an HL7 order message is shown in Figure 19-1. This would be an example of an order message that would be sent from RPMS to a Modality Worklist or to a PACS server or to a VISTA workstation.

```
MSH|^~\&|RPMS_RAD|TESTHOSPITAL|GE_PACS|TEST|20070821000555-
0600|ORM^001|IHS-2615209|P|2.3||AL|ER||
PID|1|48150|556001054321|556013015896~556016001622|DEMO^PATIENT^L^^^|MAXWEL
L^SMART^^^^|19780418|F||PO BOX 555^^QUINTON^OK ^74555||918-555-
3858|||440555906
PV1|1|0|EMERGENCY ROOM^MEDICAL IMAGING^TEST HOSPITAL|||||
ORC|SC|11022|082007-11022||CM||20070820235200-0600|||1509^
SMART^MAXWELL^E^DO^^||EMERGENCY ROOM^MEDICAL IMAGING
OBR|1|11022|082007-11022|175^ABDOMEN MIN 3 VIEWS+CHEST^C4||
|||1509^SMART^MAXWELL^E^DO^^|||GENERAL RADIOLOGY||^^ 20070820235200-
0600^^ROUTINE|||ABDOMEN PAIN RM-2 ||
```

Figure 19-1: HL7 Order Message

An order message consists of segments (MSH, PID, PV1, ORC, OBR) and fields. The data elements included between each series of | | in a segment.

Segments are defined as follows:

- MSH The Message Header which identifies where this message originated and what its destination will be.
- PID The Patient ID segment which contains the name, chart number, date of birth, sex, ordering provider, and other details of patient demographics.
- PV1 The Visit segment which identifies whether this is an inpatient or outpatient visit and the visit location.

• ORC/OBR – the Order segments contain the details of the exam requested, the requesting provider, the date and time requested, and the reason for the exam.

An HL7 result message returns much the same information except the fields in the MSH are reversed in that the external reports interface or PACS system is returning information to RPMS. The report information is contained in OBX segments which are mapped to the desired fields in the Radiology/Nuclear Medicine Reports file.

```
MSH|^~\&|HL7INTERFACE|HL7 SYSTEM|RPMS_RAD|ZZZZ|
20070821065517|ORU^R01|DIARIS_070821065517062||1.0|| |NE|NE
PID|1||556001054321||DEMO^PATIENT^A^^^||19800810|M|||||CR
OBR|1|17823|081807-17823|82^SPINE CERVICAL MIN 2 VIEWS^C4| | | |556001||
|1198^SMART^MAXWELL^E^MD^^| | |20070821|GENERAL RADIOLOGY |FI|
|^^20070818190500-0600^ROUTINE|| ||MVC NECK PAIN BACK PAIN EXAM 7 |876^
^20070819|876^ ^2007| 0819|UNKNOWN^ ^20070820| | | |CR|
OBX|1|FT| &GDT^ ||Referring Physician: SMART (Interface Hospital -
Nowhere, USA ||||||
OBX|2|FT| &GDT^ ||X-Ray No: 51032_CNH [UID: TA20070818192925]||||||
OBX|3|FT| &GDT^ ||Date of Exam: 8/18/2007 (Received on: 8/18/2007 7:29:25
PM)||||||
OBX|4|FT| &GDT^ ||Reason for Exam: MVA LOW BACK PAIN/WORK/ER; ||||||
```

Figure 19-2: HL7 Report Message

Examples of potential workflows are shown in the following diagrams.

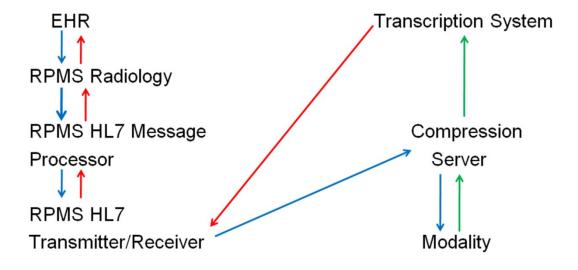


Figure 19-3: Example of a report using the generic interface in RPMS as the interface

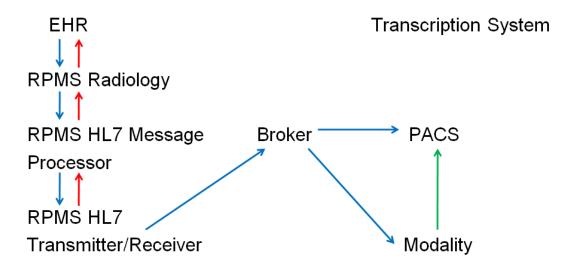


Figure 19-4: Example of a PACS interface with a modality worklist without a Reports interface

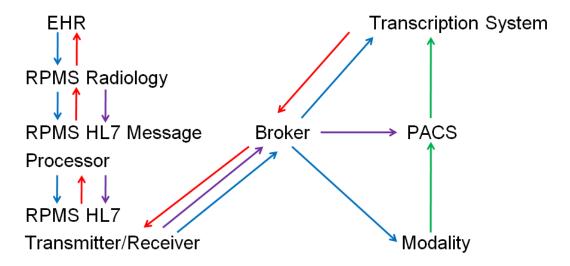


Figure 19-5: Example of a PACS, modality worklist, and Reports interface

Because of the large number of vendors and complexity of interfaces, it is highly recommended that any sites desiring any kind of interface begin the discussion with their area office IT staff. Complex interfaces can be extremely resource intensive and may not be practical for small sites offering limited or no Radiology services on site.

It is most likely that small sites may be able to meet Meaningful Use Stage 2 requirements by using the Radiology/Nuclear Medicine Package in a limited mode with VISTA scanning capability to link outside scanned reports to the Radiology exam originally requested in EHR.

More extensive documentation can be found on VISTA imaging at the following link: <a href="https://www.ihs.gov/ehr/ftpfiles/?fld=VistA+Imaging&parent="https://www.ihs.gov/ehr/ftpfiles/?f

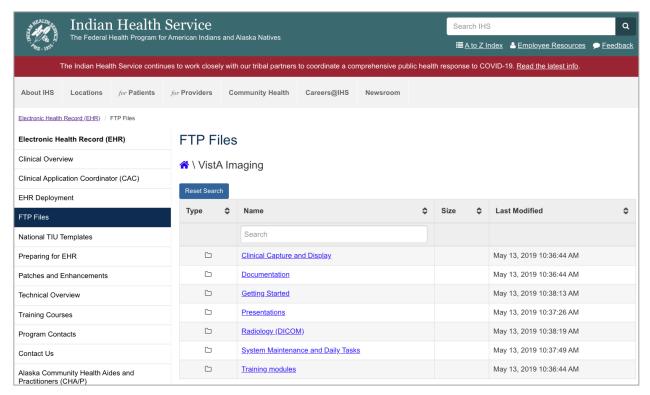


Figure 19-6: IHS FTP website - VistA Imaging

20.0 September 2020 RA_5.0_1008 Release Addendum

20.1 Introduction

This addendum lists the new additions to the RPMS Radiology module as developed for the 2020 RPMS Radiology release, RA*5.0*1008. The following modifications were required for the 2015 Certified Health EHR edition specifically for the Indian Health Service RPMS/EHR Consolidated Clinical Document Architecture (CCDA), Transition of Care (TOC), and the Personal Health Record (PHR) certification criterion.

For RPMS RAD/NUC MED sites that manually enter and verify reports or have an existing HL7 interface for report transmission and verification, the verifying Radiologist or Staff associated with an interpreting site is the mechanism for sending the interpreting site for display in the CCDA, TOC, and PHR. The entered interpretation or RAD/NUC MED REPORT Impression is also exported with a verified report.

Note: RPMS RAD/NUC MED sites that do not enter or interface RAD/NUC MED REPORT entries with a verifying Radiologist or Staff and/or Impression entry will not see the following detailed information in the patient CCDA, TOC, or PHR.

If radiology reports are not entered, verified, and/or a site scans in reports via VistA Imaging Capture using a different RPMS RAD/NUC MED exam complete option, the interpreting site and impression information will not be captured for display in the CCDA, TOC, and PHR.

Additional information and screen shots are provided.

20.2 Modifications

20.2.1 New Security Keys: RAZRIS

A new security key should be assigned to the Imaging Supervisor and RPMS Radiology Information System (RIS) consultant. The key assignment enables view and add/edit for existing or new Radiology Interpreting Site Add/Edit file entries. This new option is located in the **Rad/Nuc Med Personnel Menu**.

```
Rad/Nuc Med Total System Menu
Supervisor Menu ...
Rad/Nuc Med Personnel Menu ...
Radiology Interpreting Site Add/Edit
```

Figure 20-1: RPMS menu path to linking Radiology to the Radiology Interpreting Site Add/Edit

```
Classification Enter/Edit
Clerical List
Interpreting Resident List
Interpreting Staff List
Radiology Interpreting Site Add/Edit
Technologist List
```

Figure 20-2: RPMS Radiology Interpreting Site Add/Edit option with the RAZRIS security key

20.2.2 New Radiology Interpreting Site Option

```
Classification Enter/Edit
Clerical List
Interpreting Resident List
Interpreting Staff List
Radiology Interpreting Site Add/Edit
Technologist List
```

Figure 20-3: Radiology Interpreting Site Add/Edit requires the RAZRIS security key

This menu option allows the addition of new and existing imaging interpreting sites and includes a field association for new and existing Staff. Radiology or imaging interpreting sites may be local to the Indian Health Service (e.g., 2021 DEMO HOSPITAL) or an external vendor (e.g., RadREAD) or both. Each Radiology Interpreting Site will require an entry into this menu option.

These entries are not associated with the VA FileMan **Institution** File.

```
Select Rad/Nuc Med Personnel Menu Option: RADiology Interpreting Site Add/Edit
Radiology Interpreting Site: 2021 DEMO HOSPITAL
Are you adding '2021 DEMO HOSPITAL' as
a new RAD/NUC MED INTERPRETING SITE (the 10TH)? No// Y (Yes)
STREET ADDRESS: 2021 ABC STREET
CITY: ALBUQUERQUE
STATE: NM NEW MEXICO NM
ZIP: 87106
PHONE NUMBER: 5051111234
Select PERSONNEL NAME: DEMO, PERSON DEMO, PERSON IT LRW
Are you adding 'DEMO, PERSON' as
a new PERSONNEL NAME (the 1ST for this RAD/NUC MED INTERPRETING SITE)? No// Y
(Yes)
```

Figure 20-4: Example addition of an RPMS RAD/NUC MED Radiology Interpreting Site

Figure 20-4 includes the association or pointer to an existing Radiologist or Staff and the example is for an external vendor.

Reminder: The Radiology Interpreting Site can have file additions for both local (IHS) and external radiologists or tele radiology vendors. At this time, it is assumed that Staff do not read for both an IHS site (local) and external vendor (outside of IHS).

There should be a one-to-one match with a radiologist Staff classification and a Radiology Interpreting Site. If a Staff is not associated with a Radiology Interpreting Site, the imaging **Interpreting Site** will *not* display in the CCDA, TOC, or patient PHR.

Staff who lack the RAZRIS security key but can access the **Rad/Nuc Med Personnel** menu, will be able to add staff radiologists to a field Radiology Interpreting Site. This has been added to the **Classification Enter/Edit** option (Figure 20-5).

If a staff deletion for an interpreting site is required from Classification Enter/Edit, use the new Radiology Interpreting Site menu option and associated field for PERSONNEL NAME.

```
Select Rad/Nuc Med Personnel Menu Option: CLASSification Enter/Edit

Select Personnel: DEMO,STAFF IT LRW

Select RAD/NUC MED CLASSIFICATION: staff//
Select RAD/NUC MED LOCATION ACCESS: RADIOLOGY DEPARTMENT
//

RAD/NUC MED INACTIVE DATE:
STAFF REVIEW REQUIRED:
ALLOW VERIFYING OF OTHERS: YES//
Radiology Interpreting Site: 2021 DEMO HOSPITAL// << pulled in from the Radiology
Interpreting Site entry. Or - RPMS RAD/NUC MED personnel missing the RAZRIS
Security Key can add existing or new Radiologist Staff.
```

Figure 20-5: Example review and addition of an RPMS RAD/NUC MED Staff and Classification Enter/Edit. Local Radiology Interpreting Site.

Note: As a reminder for the RPMS RAD/NUC MED Classification of Imaging Personnel and the assignment of classifications (Section 7.1), the following general guidelines may be used.

In particular, for the Staff designation:

Clerk – Assigned to an individual who performs clerical entry in the Radiology/Nuclear Medicine Package. They cannot be listed as a technologist when editing an exam.

Technologist – Assigned to all Radiology staff who perform exams.

Resident – Not normally used in IHS – refers to a Radiology Resident.

Staff – Reserved for interpreting Radiologists or those who will need to verify reports for interpreting Radiologist. Local staff = the Indian Health Service, and external staff = an external, third party teleradiology vendor.

Reminder – If RPMS radiology personnel are not holders of the RAZRIS key, they can still add the Radiology Interpreting Site for Staff through the Classification Enter/Edit option in this menu. Associate existing or added Staff to an existing Radiology Interpreting Site entry.

Figure 20-6 shows an example of an RPMS RAD/NUC MED Staff and Classification Enter/Edit and entry of an offsite Radiologist vendor.

```
Select Rad/Nuc Med Personnel Menu Option: Classification Enter/Edit

Select Personnel: DEMO, PERSONNEL P spr
Select RAD/NUC MED CLASSIFICATION: staff//
Select RAD/NUC MED LOCATION ACCESS: RADIOLOGY DEPARTMENT
//
RAD/NUC MED INACTIVE DATE:
STAFF REVIEW REQUIRED: no//
ALLOW VERIFYING OF OTHERS:
Radiology Interpreting Site: RadREAD << RPMS RAD/NUC MED personnel missing the
RAZRIS Security Key can add existing or new Radiologist Staff.
```

Figure 20-6: Classification Enter/Edit example

20.2.3 Radiology Report Impression

20.2.3.1 Information Sharing For Impression Capture

Figure 20-7 shows an example of the RPMS RAD/NUC MED Patient Profile with Exam Status and Report Status Display.

```
DEMO, LOUIS 138425
Division : 2021 DEMO HOSPITAL Category : OUTPATIENT
Location : RADIOLOGY DEPARTMENT Ward :
Exam Date : AUG 5,2020 12:17 Service :
Case No. : 71 Bedsection :
Clinic : DEMO CLINIC

Registered : ANKLE 3 OR MORE VIEWS (RAD Detailed) CPT:73610
Requesting Phy: DEMO, DOCTOR IT BS M Exam Status : COMPLETE
Int'g Resident: Report Status: VERIFIED
Pre-Verified : NO Cam/Equip/Rm : EXAM ROOM 1
Int'g Staff :STAFF, DEMO Diagnosis :
```

Figure 20-7: Example Patient Profile, Exam Status, and Report Status display

Local RPMS RAD/NUC MED system business rules may indicate that the Impression is required for (report) verification and (exam) completion. If this is the case, an Impression must be entered. Local rules also define whether V RADIOLOGY information is sent to the PCC at the examined status (no Impression) or complete status (Impression).

Figure 20-8 is an example of a manual report entry on an RPMS testing system.

```
Enter Case Number: 082020-90
Name : DEMO,LOUIS Pt ID : 138425
Case No. : 90 Exm. St: EXAMINED Procedure : X-RAY ABDOMEN 1 VIEW(7401
Tech.Comment: TEST
Exam Date: AUG 20,2020 13:50 Technologist: DEMO, PERSON
Req Phys : DEMO, DOCTOR IT BS MT
 PRIMARY INTERPRETING STAFF: DEMO, STAFF//
INTERPRETING IMAGING LOCATION: RADIOLOGY DEPARTMENT
Select 'Standard' Report to Copy: ABDOMEN, NORMAL
Report already exists. This will over-write it.
Are you sure you want the 'ABDOMEN, NORMAL' standard report? No// Y
Do you want to add another standard to this report? No// NO
REPORTED DATE: AUG 31,2020// N (AUG 31, 2020)
CLINICAL HISTORY:
DEMO
ADDITIONAL CLINICAL HISTORY:
 No existing text
 Edit? NO//
REPORT TEXT:
The visualized bony structures are normal. The bowel gas pattern is
unremarkable. No unusual opacities are projected over the renal or
gallbladder areas. There is no evidence of organomegaly or soft tissue
mass effect.
 Edit? NO//
IMPRESSION TEXT:
NORMAL STUDY.
 Edit? NO//
     Select one of the following:
                  VERIFIED
         V
PD
                  PROBLEM DRAFT
                  DRAFT
REPORT STATUS: D// VERIFIED
```

Figure 20-8: Example of the RPMS RAD/NUC MED Report Entry/Edit for Impression

20.2.4 Additional Information and Example for Interpreting Site and/or Impression with CCDA/TOC and PHR

20.2.4.1 LOINC and CPT Information

Imaging Procedures required for electronic Clinical Quality Measure reporting and 2015 CEHRT certification testing will have a LOINC terminology code associated with them. Subsequently, IHS end users will observe a LOINC term in the CCDA and TOC. If a LOINC term is mapped to the imaging procedure, the LOINC short name is pulled into the CCDA, TOC, and the PHR. Versus the RAD/NUC MED PROCEDURE File name.

Example: Chest XR 2V [36643-5]

Not all RPMS RAD/NUC MED procedures will have LOINC codes mapped to them. In particular, new procedure files added to the RPMS RAD/NUC MED Total System due to recent, annual CPT code updates.

LOINC entries for RPMS RAD/NUC MED are not entered via the RAD/NUC MED PROCEDURE file and are not a required entry by IHS imaging sites. LOINC terms are pre-mapped by BQRM application releases and will be populated into the V RADIOLOGY file.

If RAD/NUC MED procedures do not have LOINC terms mapped, the terminology code utilized for the CCDA and TOC is the CPT code. The displayed procedure name will be pulled from the CPT file Short Description field versus the local RAD/NUC MED PROCEDURE file name.

Example: X-RAY EXAM OF FOOT [73630]

Note that the LOINC or CPT terminology codes do not display in the Personal Health Record imaging procedure example (Figure 20-14).

20.2.4.2 CCDA, TOC, and PHR Examples

Note: Each patient example is from a sanitized RPMS testing system.

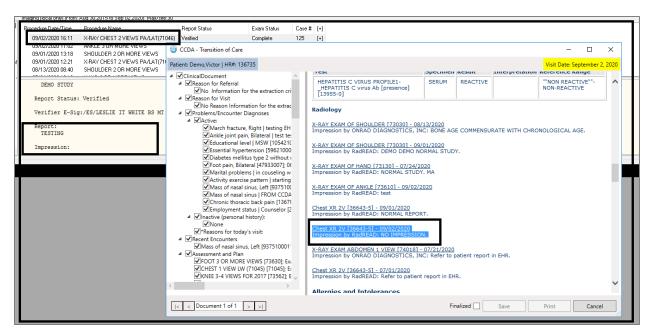


Figure 20-9: Example of the RPMS RAD/NUC MED Report Entry/Edit missing an Impression

NO IMPRESSION will display in the CCDA, TOC, and PHR. Local interpreting site rules and examination status updates should be reviewed to confirm if an Impression is required for local Imaging Reports and Exam status updates.

Figure 20-10 shows an Example of the RPMS RAD/NUC MED Report Entry/Edit with an Impression entered in the RPMS RAD/NUC MED REPORT and included in the V RADIOLOGY file. The Radiology Interpreting Site (RadREAD) is also present.

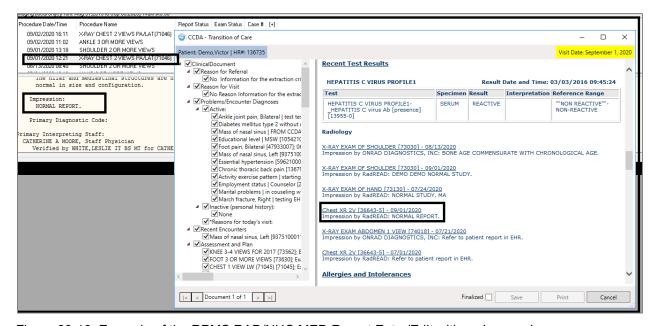


Figure 20-10: Example of the RPMS RAD/NUC MED Report Entry/Edit with an Impression

Figure 20-11 shows an example of the RPMS RAD/NUC MED Report Entry/Edit with an Impression entered in the RPMS RAD/NUC MED REPORT and captured in the V RADIOLOGY file. If an Impression entry exceeds the 240-character limit allowed for the Impression field in V RADIOLOGY file the *MORE* (SEE EXAM) will display as shown in in Figure 20-11.

Radiology X-RAY EXAM OF ANKLE [73610] - 09/01/2020 Impression by RadREAD: 3 [non] weight bearing views of [L/R] ankle demonstrate [lateral/medial] ankle STS with [mild/mod/sig] joint effusion but no acute fracture consistent with [medial/lateral] ankle sprain. Ankle mortise is intact. ...*MORE* (SEE EXAM).

Figure 20-11: Example of the RPMS RAD/NUC MED Report Entry/Edit with an Impression

Printing a full report is recommended from the patient record as needed.

See Figure 20-12 for an example of the RPMS RAD/NUC MED Report Entry/Edit with an Impression entered in the RPMS RAD/NUC MED REPORT and included in the V RADIOLOGY file. Note that the interpreting radiologist or staff is not associated or pointing to a Radiology Interpreting Site and the Site is absent.

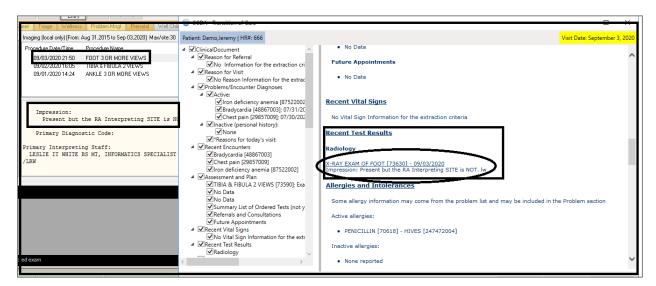


Figure 20-12: Example of the RPMS RAD/NUC MED Report Entry/Edit with an Impression

See Figure 20-13 for an example of the RPMS RAD/NUC MED Report Entry/Edit with an Impression entered in the RPMS RAD/NUC MED REPORT and included in the V RADIOLOGY file. The Interpreting Site was also mapped.

However, there may have been in issue with corrupt data or missing pointers in the RAD/NUC MED files. See the **Recent Test Results** in the TOC.

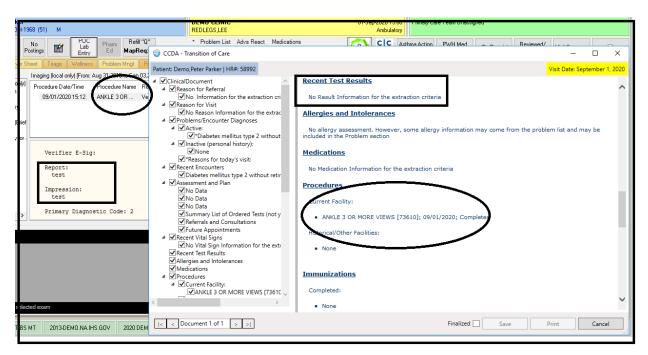


Figure 20-13: Example of the RPMS RAD/NUC MED Report Entry/Edit with an Impression entered in the RPMS RAD/NUC MED REPORT and included in the V RADIOLOGY file

Contact the IHS IT Support at <u>itsupport@ihs.gov</u> for RPMS Imaging Support if there are questions or errors.



Figure 20-14: RPMS/EHR Personal Health Record example with Radiology Interpreting Site Address (Address + Phone number) and Impression.

20.2.5 Normal and Abnormal Recent Test Results and Imaging Display in the CCDA/TOC and PHR

The Diagnostic Codes do not display but are used to extract imaging test results for Normal Imaging result reports and Abnormal Imaging test result reports. This is not a 2015 CEHRT certification criterion requirement but was made in consultation with IHS CCDA SMEs.

Note: Imaging reports must be verified. Local imaging policy for the RPMS RAD/NUC MED diagnostic code reports/alerts should be reviewed with the imaging department and medical staff if not currently configured or mapped.

Verified reports lacking an Abnormal Diagnostic Code will display for three months from the Exam Date.

Verified reports with an Abnormal Diagnostic Code for the following will be captured in the CCDA/TOC and PHR for 13 months from the Exam Date.

- BI-RAD 3
- BI-RAD 4
- BI-RAD 5
- MAJOR ABNORMALITY

The use and incorporation of the RPMS RAD/NUC MED Diagnostic Codes is a local decision and inclusion in the RPMS RAD/NUC MED REPORT and provider Alerts are defined and configured locally.

Contact the IHS IT Support at <u>itsupport@ihs.gov</u> for RA_5.0_1008 use and configuration questions.

Appendix A Rules of Behavior

The Resource and Patient Management (RPMS) system is a United States Department of Health and Human Services (HHS), Indian Health Service (IHS) information system that is *FOR OFFICIAL USE ONLY*. The RPMS system is subject to monitoring; therefore, no expectation of privacy shall be assumed. Individuals found performing unauthorized activities are subject to disciplinary action including criminal prosecution.

All users (Contractors and IHS Employees) of RPMS will be provided a copy of the Rules of Behavior (ROB) and must acknowledge that they have received and read them prior to being granted access to a RPMS system, in accordance IHS policy.

- For a listing of general ROB for all users, see the most recent edition of *IHS General User Security Handbook* (SOP 06-11a).
- For a listing of system administrators/managers rules, see the most recent edition of the *IHS Technical and Managerial Handbook* (SOP 06-11b).

Both documents are available at this IHS Web site: https://home.ihs.gov/security/index.cfm.

Note: Users must be logged on to the IHS D1 Intranet to access these documents.

The ROB listed in the following sections are specific to RPMS.

A.1 All RPMS Users

In addition to these rules, each application may include additional ROB that may be defined within the documentation of that application (e.g., Dental, Pharmacy).

A.1.1 Access

RPMS users shall

- Only use data for which you have been granted authorization.
- Only give information to personnel who have access authority and have a need to know.
- Always verify a caller's identification and job purpose with your supervisor or the
 entity provided as employer before providing any type of information system
 access, sensitive information, or nonpublic agency information.
- Be aware that personal use of information resources is authorized on a limited basis within the provisions *Indian Health Manual* Part 8, "Information Resources Management," Chapter 6, "Limited Personal Use of Information Technology Resources."

RPMS users shall not

- Retrieve information for someone who does not have authority to access the information.
- Access, research, or change any user account, file, directory, table, or record not required to perform their *official* duties.
- Store sensitive files on a PC hard drive, or portable devices or media, if access to the PC or files cannot be physically or technically limited.
- Exceed their authorized access limits in RPMS by changing information or searching databases beyond the responsibilities of their jobs or by divulging information to anyone not authorized to know that information.

A.1.2 Information Accessibility

RPMS shall restrict access to information based on the type and identity of the user. However, regardless of the type of user, access shall be restricted to the minimum level necessary to perform the job.

RPMS users shall

- Access only those documents they created and those other documents to which
 they have a valid need-to-know and to which they have specifically granted
 access through an RPMS application based on their menus (job roles), keys, and
 FileMan access codes. Some users may be afforded additional privileges based on
 the functions they perform, such as system administrator or application
 administrator.
- Acquire a written preauthorization in accordance with IHS policies and procedures prior to interconnection to or transferring data from RPMS.

A.1.3 Accountability

RPMS users shall

- Behave in an ethical, technically proficient, informed, and trustworthy manner.
- Log out of the system whenever they leave the vicinity of their personal computers (PCs).
- Be alert to threats and vulnerabilities in the security of the system.
- Report all security incidents to their local Information System Security Officer (ISSO)
- Differentiate tasks and functions to ensure that no one person has sole access to or control over important resources.
- Protect all sensitive data entrusted to them as part of their government employment.

 Abide by all Department and Agency policies and procedures and guidelines related to ethics, conduct, behavior, and information technology (IT) information processes.

A.1.4 Confidentiality

RPMS users shall

- Be aware of the sensitivity of electronic and hard copy information, and protect it accordingly.
- Store hard copy reports/storage media containing confidential information in a locked room or cabinet.
- Erase sensitive data on storage media prior to reusing or disposing of the media.
- Protect all RPMS terminals from public viewing at all times.
- Abide by all Health Insurance Portability and Accountability Act (HIPAA) regulations to ensure patient confidentiality.

RPMS users shall not

- Allow confidential information to remain on the PC screen when someone who is not authorized to that data is in the vicinity.
- Store sensitive files on a portable device or media without encrypting.

A.1.5 Integrity

RPMS users shall

- Protect their systems against viruses and similar malicious programs.
- Observe all software license agreements.
- Follow industry standard procedures for maintaining and managing RPMS hardware, operating system software, application software, and/or database software and database tables.
- Comply with all copyright regulations and license agreements associated with RPMS software.

RPMS users shall not

- Violate federal copyright laws.
- Install or use unauthorized software within the system libraries or folders.
- Use freeware, shareware, or public domain software on/with the system without their manager's written permission and without scanning it for viruses first.

A.1.6 System Logon

RPMS users shall

- Have a unique User Identification/Account name and password.
- Be granted access based on authenticating the account name and password entered.
- Be locked out of an account after five successive failed login attempts within a specified time period (e.g., one hour).

A.1.7 Passwords

RPMS users shall

- Change passwords a minimum of every 90 days.
- Create passwords with a minimum of eight characters.
- If the system allows, use a combination of alpha-numeric characters for passwords, with at least one uppercase letter, one lower case letter, and one number. It is recommended, if possible, that a special character also be used in the password.
- Change vendor-supplied passwords immediately.
- Protect passwords by committing them to memory or store them in a safe place (do not store passwords in login scripts or batch files).
- Change passwords immediately if password has been seen, guessed, or otherwise compromised, and report the compromise or suspected compromise to their ISSO.
- Keep user identifications (IDs) and passwords confidential.

RPMS users shall not

- Use common words found in any dictionary as a password.
- Use obvious readable passwords or passwords that incorporate personal data elements (e.g., user's name, date of birth, address, telephone number, or social security number; names of children or spouses; favorite band, sports team, or automobile; or other personal attributes).
- Share passwords/IDs with anyone or accept the use of another's password/ID, even if offered.
- Reuse passwords. A new password must contain no more than five characters per eight characters from the previous password.
- Post passwords.
- Keep a password list in an obvious place, such as under keyboards, in desk drawers, or in any other location where it might be disclosed.

• Give a password out over the phone.

A.1.8 Backups

RPMS users shall

- Plan for contingencies such as physical disasters, loss of processing, and disclosure of information by preparing alternate work strategies and system recovery mechanisms.
- Make backups of systems and files on a regular, defined basis.
- If possible, store backups away from the system in a secure environment.

A.1.9 Reporting

RPMS users shall

- Contact and inform their ISSO that they have identified an IT security incident and begin the reporting process by providing an IT Incident Reporting Form regarding this incident.
- Report security incidents as detailed in the *IHS Incident Handling Guide* (SOP 05-03).

RPMS users shall not

Assume that someone else has already reported an incident. The risk of an
incident going unreported far outweighs the possibility that an incident gets
reported more than once.

A.1.10 Session Timeouts

RPMS system implements system-based timeouts that back users out of a prompt after no more than 5 minutes of inactivity.

RPMS users shall

• Utilize a screen saver with password protection set to suspend operations at no greater than 10 minutes of inactivity. This will prevent inappropriate access and viewing of any material displayed on the screen after some period of inactivity.

A.1.11 Hardware

RPMS users shall

- Avoid placing system equipment near obvious environmental hazards (e.g., water pipes).
- Keep an inventory of all system equipment.

• Keep records of maintenance/repairs performed on system equipment.

RPMS users shall not

• Eat or drink near system equipment.

A.1.12 Awareness

RPMS users shall

- Participate in organization-wide security training as required.
- Read and adhere to security information pertaining to system hardware and software.
- Take the annual information security awareness.
- Read all applicable RPMS manuals for the applications used in their jobs.

A.1.13 Remote Access

Each subscriber organization establishes its own policies for determining which employees may work at home or in other remote workplace locations. Any remote work arrangement should include policies that

- Are in writing.
- Provide authentication of the remote user through the use of ID and password or other acceptable technical means.
- Outline the work requirements and the security safeguards and procedures the employee is expected to follow.
- Ensure adequate storage of files, removal, and nonrecovery of temporary files created in processing sensitive data, virus protection, and intrusion detection, and provide physical security for government equipment and sensitive data.
- Establish mechanisms to back up data created and/or stored at alternate work locations.

Remote RPMS users shall

• Remotely access RPMS through a virtual private network (VPN) whenever possible. Use of direct dial in access must be justified and approved in writing and its use secured in accordance with industry best practices or government procedures.

Remote RPMS users shall not

• Disable any encryption established for network, internet, and Web browser communications.

A.2 RPMS Developers

RPMS developers shall

- Always be mindful of protecting the confidentiality, availability, and integrity of RPMS when writing or revising code.
- Always follow the IHS RPMS Programming Standards and Conventions (SAC) when developing for RPMS.
- Only access information or code within the namespaces for which they have been assigned as part of their duties.
- Remember that all RPMS code is the property of the U.S. Government, not the developer.
- Not access live production systems without obtaining appropriate written access, and shall only retain that access for the shortest period possible to accomplish the task that requires the access.
- Observe separation of duties policies and procedures to the fullest extent possible.
- Document or comment all changes to any RPMS software at the time the change or update is made. Documentation shall include the programmer's initials, date of change, and reason for the change.
- Use checksums or other integrity mechanism when releasing their certified applications to assure the integrity of the routines within their RPMS applications.
- Follow industry best standards for systems they are assigned to develop or maintain, and abide by all Department and Agency policies and procedures.
- Document and implement security processes whenever available.

RPMS developers shall not

- Write any code that adversely impacts RPMS, such as backdoor access, "Easter eggs," time bombs, or any other malicious code or make inappropriate comments within the code, manuals, or help frames.
- Grant any user or system administrator access to RPMS unless proper documentation is provided.
- Release any sensitive agency or patient information.

A.3 Privileged Users

Personnel who have significant access to processes and data in RPMS, such as, system security administrators, systems administrators, and database administrators, have added responsibilities to ensure the secure operation of RPMS.

Privileged RPMS users shall

- Verify that any user requesting access to any RPMS system has completed the appropriate access request forms.
- Ensure that government personnel and contractor personnel understand and comply with license requirements. End users, supervisors, and functional managers are ultimately responsible for this compliance.
- Advise the system owner on matters concerning information technology security.
- Assist the system owner in developing security plans, risk assessments, and supporting documentation for the certification and accreditation process.
- Ensure that any changes to RPMS that affect contingency and disaster recovery
 plans are conveyed to the person responsible for maintaining continuity of
 operations plans.
- Ensure that adequate physical and administrative safeguards are operational within their areas of responsibility and that access to information and data is restricted to authorized personnel on a need-to-know basis.
- Verify that users have received appropriate security training before allowing access to RPMS.
- Implement applicable security access procedures and mechanisms, incorporate appropriate levels of system auditing, and review audit logs.
- Document and investigate known or suspected security incidents or violations and report them to the ISSO, Chief Information Security Officer (CISO), and systems owner.
- Protect the supervisor, superuser, or system administrator passwords.
- Avoid instances where the same individual has responsibility for several functions (i.e., transaction entry and transaction approval).
- Watch for unscheduled, unusual, and unauthorized programs.
- Help train system users on the appropriate use and security of the system.
- Establish protective controls to ensure the accountability, integrity, confidentiality, and availability of the system.
- Replace passwords when a compromise is suspected. Delete user accounts as quickly as possible from the time that the user is no longer authorized system. Passwords forgotten by their owner should be replaced, not reissued.
- Terminate user accounts when a user transfers or has been terminated. If the user has authority to grant authorizations to others, review these other authorizations. Retrieve any devices used to gain access to the system or equipment. Cancel logon IDs and passwords and delete or reassign related active and backup files.

- Use a suspend program to prevent an unauthorized user from logging on with the current user's ID if the system is left on and unattended.
- Verify the identity of the user when resetting passwords. This can be done either in person or having the user answer a question that can be compared to one in the administrator's database.
- Shall follow industry best standards for systems they are assigned to and abide by all Department and Agency policies and procedures.

Privileged RPMS users shall not

- Access any files, records, systems, etc., that are not explicitly needed to perform their duties
- Grant any user or system administrator access to RPMS unless proper documentation is provided.
- Release any sensitive agency or patient information.

Glossary

AMIS Code

AMIS (Automated Management Information System) is a general system of computer programs used to process management reports for the Veteran's Administration.

Broker

A piece of commercial hardware that is used for formatting and routing HL7 orders, exams, images, and reports between RPMS and modalities, PACS systems, and Radiology reporting services.

CCDA

The CCDA application is an RPMS-based application that generates industry-standard Continuity of Care Documents (CCD) in Health Level 7 (HL7) CCDA format, following the July 2012 Draft Standard for Trial Use (DSTU) standard, further restricted by Meaningful Use 2 (MU2) requirements.

Diagnostic Code

One of a standard set of codes used for designating the normality or abnormality of an exam.

DICOM

Digital Imaging and Communications in Medicine

HL7

Health Level 7 - a standard for the exchange of electronic information between disparate entities.

IHS

Indian Health Service

Modality

Radiology Equipment (CT/US/XRAY)

Modality Worklist

A list of procedures that may be performed on a particular piece of Radiology equipment. If a site has an interface with a Modality Worklist server, the worklist will be populated automatically when an order is registered in the Radiology Package.

PACS

Picture Archiving and Communication System

Personal Health Record (PHR)

Indian Health system patients can use PHR to view and manage personal, family, and community health information. Patients can track medicines, lab results, allergies, and more from the privacy of a personal computer.

Quick Order

One or more menu items to link a Radiology procedure to an orderable item in EHR.

RIS

Radiology Information System

RPMS

Resource and Patient Management System – The Clinical and Administrative Information System used by Indian Health Service.

TOC

Transition of Care Document generated in the RPMS/EHR for patient referral visits outside of an issuing IHS site and providing a summary of care.

VistaA Imaging

The VistA Imaging system integrates clinical images, scanned documents, and other non-textual data into the patient's electronic medical record.

WWU

Weighted work units (WWUs). The AMIS Weight Multiplier field of the Rad/Nuc Med Procedures file contains a number (0–99) to indicate to the various workload report routines how many times to multiply the weighted work units associated with the AMIS code. The Weight for each AMIS code is stored in the Weight field of the Major Rad/Nuc Med AMIS Code file.

Acronym List

Term	Meaning	
ACR	American College of Radiologist	
AMIS	Automated Management Information System	
CAC	Clinical Application Coordinator	
CCD	Continuity of Care Documents	
CCDA	Consolidated Clinical Document Architecture	
CHIT	Certified Health Information Technology	
CISO	Chief Information Security Officer	
CPT	Current Procedural Terminology	
DICOM	Digital Imaging and Communications in Medicine	
DTSU	Draft Standard for Trial Use	
HIPAA	Health Insurance Portability and Accountability Act	
HL7	Health Level Seven	
ID	Identification	
IHS	Indian Health Service	
ISSO	Information System Security Officer ()	
IT	Information Technology	
PACS	Picture Archiving and Communication System	
PHR	Personal Health Record	
ROB	Rules of Behavior	
RPMS	Resource and Patient Management	
SAC	Standards and Conventions	
TOC	Transition of Care	
VPN	Virtual Private Network	

Contact Information

If you have any questions or comments regarding this distribution, please contact the IHS IT Service Desk.

Phone: (888) 830-7280 (toll free)

Web: https://www.ihs.gov/itsupport/

Email: itsupport@ihs.gov