



# **VISUAL IMPAIRMENT SERVICE TEAM (VIST)**

## **Technical Manual/Security Guide**

Version 4.0

June 1998

Department of Veterans Affairs  
Veterans Health Administration  
Office of the Chief Information Officer

## Revision History

<b>Date</b>	<b>Revision</b>	<b>Description</b>	<b>Author</b>
6/1998	Final Version 4.0	VIST 4.0 Technical Manual	Office of Chief Information Officer
3/14/03	Final Version 4.0 +ANRV *4 *5 Patch Version 4.0.5.1.	Addition of Appendix A: ANRV *4*5 Patch User Manual	Debra Leveille – System Design & Development Office of Information

# Table of Contents

<b>Introduction .....</b>	<b>2</b>
Icons.....	2
Related Manuals .....	2
<b>Implementation and Maintenance .....</b>	<b>3</b>
Resource Requirements .....	3
Options to be Deleted during Install.....	3
Templates to be Deleted during Install.....	3
Routines to Delete .....	5
<b>Files .....</b>	<b>5</b>
<b>Routines .....</b>	<b>6</b>
<b>Exported Options .....</b>	<b>6</b>
Menu Assignments.....	6
Security Keys .....	6
Package Security.....	6
<b>Archiving and Purging .....</b>	<b>6</b>
<b>Callable Routines .....</b>	<b>7</b>
<b>External Interfaces .....</b>	<b>7</b>
<b>External Relations .....</b>	<b>7</b>
Data Base Integration Agreements (DBIAs) .....	7
<b>Internal Relations .....</b>	<b>7</b>
<b>Package-Wide Variables .....</b>	<b>7</b>
<b>Templates.....</b>	<b>8</b>
<b>Security Management .....</b>	<b>9</b>
Menu Assignments.....	9
Security Keys .....	9
Menus .....	9
File Security .....	11
<b>Appendix A: Blind Rehabilitation VIST Patient Review (ANRV 4.0.5.1) .....</b>	<b>12</b>
Introduction to VIST Patient Review Software.....	12
Implementation.....	12
Features .....	13
Software and Manual Retrieval.....	13
Files .....	14
Routines.....	14
Data Dictionary Globals .....	14
Options .....	14
RPC Broker Calls .....	15
<b>Glossary .....</b>	<b>16</b>
<b>Index .....</b>	<b>17</b>

## Introduction

The Visual Impairment Service Team (VIST) program is designed to enhance the efficiency of the Visual Impairment Service Team programs within the Department of Veterans Affairs (VA). With this program VIS Teams are able to easily manage and track activities and services provided to blinded veterans in their service area. This program integrates several fields of patient data to produce a variety of reports. The VIST patient record printout can be used in place of VA Form (10-1371) and is a more versatile document than the card. Semi- annual AMIS reports can be run and veterans can be added or deleted from the rolls quickly.



During the installation of VIST V. 4.0, all data entered using the class III Blind Rehabilitation software will be moved into the new files created for VIST V. 4.0. This conversion time will vary depending on the amount of patient information that was entered into the class III files.

Information Resources Management (IRM) is the primary user of this manual. Users who are not familiar with Veterans Health Information systems and Technology Architecture (**VISTA**) software may also wish to refer to documentation for VA Kernel.

## Icons

Icons used to highlight key points in this manual are defined as follows:



Indicates the user should take note of the information.

## Related Manuals

*Visual Impairment Service Team V. 4.0 User Manual*  
*Visual Impairment Service Team V. 4.0 Installation Guide*

## Implementation and Maintenance

### Resource Requirements

This version (4.0) of VIST contains approximately 25 routines including all ANRV\* routines and compiled templates that take up approximately 69 K disk space.

### Options to be Deleted during Install

Option Name	Menu Text
ANRV ASSESSMENT INQ	Individual Assessment - Old

### Templates to be Deleted during Install

Input	File
ANRV EDIT CHECKLIST	623061
ANRV EDIT LETTER	623033
ANRV VIST PARM	623050
ANRVACE	623036
ANRVEID	623158
ANRVRE	623158
ANRVRRE	623160
Print	File
ANRV ADDRESS LIST	623158
ANRV ADDRESS LIST HDR	623158
ANRV AGE LIST	623158
ANRV ASSESSMENT INQ	623158
ANRV BIRTH LIST	623158
ANRV CHECKLIST	623061
ANRV CITY LIST	623158
ANRV CLAIM REC INQ	623036
ANRV COUNTY LIST	623158
ANRV DECEASED LIST	623158
ANRV ELIG AMIS LIST	623158
ANRV EYE DIAG INQ	623158
ANRV EYE DIAG LIST	623158
ANRV EYE DIAG NAR	623158
ANRV EYE DIAG PRINT	623158
ANRV FEE PT	623158
ANRV INC AMIS	623158

<b>Print (cont'd.)</b>	<b>File</b>
ANRV MAIL LABELS	623158
ANRV ML BY CITY	623158
ANRV ML BY COUNTY	623158
ANRV POS LIST	623158
ANRV PRINT LETTER	623158
ANRV REFERRAL LIST	623158
ANRV REVIEW INQ	623158
ANRV ROSTER A/R	623158
ANRV STATE LIST	623158
ANRV ZIP CODE LIST	623158
ANRVACP	623036
ANRVAP	623158
ANRVED	623158
ANRVFVD	623158
ANRVID	623158
ANRVPR	623160
ANRVREV	623158
ANRVRP1	623158
ANVRRL	623160
<b>Sort</b>	<b>File</b>
ANRV ADDRESS LIST	623158
ANRV AGE LIST	623158
ANRV BIRTH LIST	623158
ANRV CHECKLIST	623061
ANRV CITY LIST	623158
ANRV COUNTY LIST	623158
ANRV DECEASED LIST	623158
ANRV ELIG AMIS LIST	623158
ANRV EYE DIAG LIST	623158
ANRV EYE DIAG NAR	623158
ANRV EYE DIAG PRINT	623158
ANRV FEE PT	623158
ANRV INC AMIS	623158
ANRV MAIL LABELS	623158
ANRV ML BY CITY	623158
ANRV ML BY COUNTY	623158
ANRV ML BY STATE	623158
ANRV POS LIST	623158
ANRV REFERRAL LIST	623158
ANRV STATE LIST	623158
ANRV ZIP CODE LIST	623158

Sort (cont'd)	File
ANRVACP	623036
ANRVAD	623158
ANRVAP	623158
ANRVED	623158
ANRVFVD	623158
ANRVID	623158
ANRVPR	623160
ANRVREV1	623158
ANRVRP1	623158
ANRVRRL	623160

## Routines to Delete

The ANRVPRE, ANRVPST, ANRVZ\*, and ANRV1\* routines will be deleted.

## Files

This package requires the 10 files listed below. Information about the files can be obtained by using the VA FileMan to generate a list of file attributes.

The Data Dictionaries (DDs) are considered part of the online documentation for this software application. Use VA FileMan option *List File Attributes* [DILIST], under *Data Dictionary Utilities* [DI DDU], to print the DDs. The following are the files for which you should print DDs:

FILE #	NAME	DATE DD	SEC. CODE	COMES W/FILE	SITE DATA	RSLV PTS	OVER RIDE
2040	VIST ROSTER	YES	NO	NO			
2041	VIST PARAMETERS	YES	NO	NO			
2041.5	VIST EYE DIAGNOSIS	YES	NO	YES	MERG	NO	NO
2041.6	VIST CHECKLIST OPTIONS	YES	NO	YES	MERG	NO	NO
2041.7	VIST BENEFITS AND SERVICES CHECKLIST	YES	NO	NO			
2042	VIST REFERRAL FACILITY	YES	NO	YES	MERG	NO	NO
2042.5	VIST REFERRAL ROSTER	YES	NO	NO			
2043	VIST LETTER	YES	NO	YES	MERG	NO	NO
2043.5	VARO CLAIMS	YES	NO	NO			
2044	VIST LOCAL BENEFITS AND SERVICES	YES	NO	YES	MERG	NO	NO

The namespace for the VIST package is ANRV.

## Routines

The following is a list of routines you will see for VIST when you load the new routine set. The first line of each routine contains a brief description of the general function of the routine. Use the Kernel option XU FIRST LINE PRINT (*First Line Routine Print*) to print a list of just the first line of each ANRV\* routine.

ANRVAM1	ANRVAM2	ANRVAP	ANRVDEL	ANRVLET
ANRVML	ANRVML1	ANRVML2	ANRVML3	ANRVML4
ANRVPOST	ANRVPR	ANRVPR1	ANRVPR2	ANRVPR
ANRVRP2	ANRVRP3	ANRVRP4	ANRVRP5	ANRVRP6
ANRVRP7	ANRVRP8	ANRVRP9	ANRVRRL	ANRVSITE

## Exported Options

### Menu Assignments

The VIST Coordinator may be assigned the VIST Menu option as the primary menu option.

### Security Keys

There are **no** security keys for the VIST software package.

### Package Security

See the “Software Product Security” section of this manual.

## Archiving and Purging

At present, the Visual Impairment Service Team software does not provide archiving and purging capabilities.



## Callable Routines

Entry points provided by the VIST package to other packages can be found in the External Relations section of this manual. No other routines are designated as callable from outside of this package.

## External Interfaces

There are no external interfaces.

## External Relations

The following software is not included in this package and must be installed before this version of Visual Impairment Service Team is completely functional.

<u>Package</u>	<u>Minimum Version Needed</u>
VA FileMan	21.0
Kernel	8.0
Patient Information Management System (PIMS)	5.3
Fee Basis	3.5

### Data Base Integration Agreements (DBIAs)

Visual Impairment Service Team (VIST) V. 4.0 has Data Base Integration Agreements (DBIAs) with the packages listed above. For complete information regarding the DBIA for VIST V. 4.0, please refer to the *DBA* [DBA] menu option on FORUM and then the *Integration Agreement Menu* [DBA IA ISC].

## Internal Relations

All of the options in this package can be invoked independently.

## Package-Wide Variables

There are no package-wide variables.

## Templates

Sort	File
ANRV AGE LIST	2040
ANRV BIRTH LIST	2040
ANRV DECEASED LIST	2040
ANRV ELIG AMIS LIST	2040
ANRV EYE DIAG NAR	2040
ANRV EYE DIAG PRINT	2040
ANRV FEE PT	2040
ANRV INC AMIS	2040
ANRV REFERRAL LIST	2040
ANRVAD	2040
ANVRED	2040
ANRVDFVD	2040
ANRVID	2040
ANRVREV1	2040
ANRVRRL	2042.5
Input	File
ANRV EDIT CHECKLIST	2041.7
ANRV EDIT LETTER	2043
ANRV PARAM EDIT	2041
ANRV VIST PARM	2041
ANRVACE	2043.5
ANRVEID	2040
ANRVRE	2040
ANRVRRE	2042.5

Print	File
ANRV AGE LIST	2040
ANRV BIRTH LIST	2040
ANRV CHECKLIST	2041.7
ANRV CLAIM REC INQ	2043.5
ANRV DECEASED LIST	2040
ANRV ELIG AMIS LIST	2040
ANRV EYE DIAG INQ	2040
ANRV EYE DIAG NAR	2040
ANRV EYE DIAG PRINT	2040
ANRV FEE PT	2040
ANRV INC AMIS	2040
ANRV REFERRAL LIST	2040
ANRV REVIEW INQ	2040
ANRV ROSTER A/R	2040
ANRVAD	2040
ANRVED	2040
ANRVFVD	2040
ANRVID	2040
ANRVPR	2042.5
ANRVREV	2040
ANRVRRL	2042.5

## Security Management

### Menu Assignments

The VIST Coordinator may be assigned the VIST Menu option as the primary menu option.

### Security Keys

There are *no* security keys for the VIST software package.

### Menus

#### VIST Menu

- 1 Edit VIST Options Menu ... [ANRV EDIT VIST OPTIONS]
  - 1 Enter/Edit VIST Patient Record [ANRV ENTER/EDIT VIST PATIENT]
  - 2 Enter/Edit VIST Referral Roster [ANRV ENTER/EDIT REFERRAL]

- 3 Enter/Edit Inactive VIST Roster] [ANRV ENTER/EDIT INACTIVE VIST]
- 4 Enter/Edit VARO Claims Roster] [ANRV ENTER/EDIT VARO CLAIMS
- 5 Enter/Edit VIST Benefits Checklist [ANRV ENTER/EDIT CHECKLIST
- 6 Enter/Edit VIST Parameters [ANRV ENTER/EDIT VIST PARAMETER]
- 7 Delete VIST Referral Roster [ANRV DELETE REFERRAL]
- 8 Delete VIST Patient Record [ANRV DELETE ROSTER]
  
- 2 Print Individual Records... [ANRV INDIVIDUAL RECORDS]
  - 1 Individual Patient Record [ANRV PRINT PATIENT RECORD]
  - 2 Individual Referral Record [ANRV PRINT IND. REFERRAL]
  - 3 Individual Eye History [ANRV INDIVIDUAL EYE DIAG]
  - 4 Individual Claims Record [ANRV CLAIM REC INQ]
  - 5 Individual Annual Review Record [ANRV ANNUAL REVIEW INQ]
  - 6 Individual VIST Benefits Checklist [ANRV CHECKLIST INQ]
  
- 3 Print VIST Roster Menu... [ANRV PRINT VIST OPTIONS]
  - 1 VIST Roster List [ANRV VIST ROSTER PRINT]
  - 2 VIST Referral Roster List [ANRV REFERRAL PRINT]
  - 3 VIST Roster List With Annual Review Date [ANRV ROSTER A/R PRINT]
  - 4 VARO Claims List [ANRV PRINT VARO CLAIMS]
  - 5 Inpatient List [ANRV INPATIENT LIST]
  - 6 Outpatient Appointment List [ANRV OUTPATIENT APPT. LIST]
  - 7 Deceased Patients List [ANRV DECEASED PATIENTS]
  - 8 Inactive VIST Roster List [ANRV PRINT INACTIVE VIST]
  - 9 Additions to VIST Roster [ANRV ADD TO VIST ROSTER]
  - 10 Field Visit Dates List [ANRV FIELD VISIT DATES]
  - 11 VIST Roster Sorts... [ANRV ROSTER SORTS]
    - 1 State [ANRV STATE LIST]
    - 2 City [ANRV CITY LIST]
    - 3 Zip [ANRV ZIP CODE LIST]
    - 4 County [ANRV COUNTY LISTING]
    - 5 Address/Phone List [ANRV ADDRESS LIST]
    - 6 Birthdate [ANRV BIRTH LIST]
    - 7 Age [ANRV AGE LIST]
    - 8 Eye Diagnosis [ANRV EYE DIAG PRINT]
    - 9 Eye Diagnosis Narrative [ANRV EYE DIAG NARRATIVE]
    - 10 Fee Basis List [ANRV FEE PT]
    - 11 Period of Service [ANRV POS LIST]
    - 12 Referral Source List [ANRV REFERRAL SOURCE LIST]
    - 13 Annual Review Dates List [ANRV ANNUAL REVIEW LIST]
    - 14 VIST Eligible (AMIS) List ANRV VIST ELIG LIST]
  - 12 AMIS Report [ANRV AMIS REPORT]
  - 13 Incomplete AMIS Roster [ANRV INCOMPLETE AMIS LISTING
  
- 4 VIST Letter Menu... [ANRV LETTER MENU]

- 1 Edit VIST Letter [ANRV ENTER/EDIT VIST LETTER]
- 2 Print VIST Letter [ANRV PRINT LETTER]
- 3 Test Label Alignment [ANRV TEST LABEL]
- 4 Print Mailing Labels by Patient [ANRV MAIL LABELS]
- 5 Print Mailing Labels by City [ANRV LABELS BY CITY]
- 6 Print Mailing Labels by County [ANRV LABELS BY COUNTY]
- 7 Print Mailing Labels by State [ANRV LABELS BY STATE]

**File Security**

<b>File Numbers</b>	<b>File Names</b>	<b>DD</b>	<b>RD</b>	<b>WR</b>	<b>DEL</b>	<b>LAYGO</b>
2040	VIST ROSTER					
2041	VIST PARAMETERS					
2041.5	VIST EYE DIAGNOSIS					
2041.6	VIST CHECKLIST OPTIONS					
2041.7	VIST BENEFITS AND SERVICES CHECKLIST					
2042	VIST REFERRAL FACILITY					
2042.5	VIST REFERRAL ROSTER					
2043	VIST LETTER					
2043.5	VARO CLAIMS					
2044	VIST LOCAL BENEFITS AND SERVICES					

## **Appendix A: Blind Rehabilitation VIST Patient Review (ANRV 4.0.5.1)**

### **Introduction to VIST Patient Review Software**

VIST Patient Review software (VIST Patch ANRV, Version 4.0.5.1) collects Blind Rehabilitation data in two (2) interview formats in order to analyze Blind Rehabilitation services. By conducting interviews, the quality of care given to Blind Rehabilitation patients is greatly improved by improving the efficiency of the staff.

The VIST Patient Review application has been developed to improve the Blind Rehabilitation data collection process as well as to address VA Directive 2000-16 and VA Circular 96-057. In an effort to implement a user-friendly data collection environment, VIST Patient Review has been developed as a Graphical User Interface (GUI). Hence, this application is not integrated within VIST Version 4.0, (a roll-and-scroll application). However, it will be interfaced with Blind Rehabilitation Version 5.0, upon its release.

This patch provides an installation executable that is used in conjunction with the KIDS build to provide the user with a GUI environment that must be installed on the client's machine or as a shortcut on a server.

It is recommended that software is initially installed and tested in test accounts before installation in production accounts.

### **Implementation**

Systems must have:

- RPC Broker, version 1.1.0.1. and above, Client Agent installed.
- Windows NT (Service Pack 2 & above) or 2000 installed.
- For text to speech interpretations, the system must have the Job Access With Speech (JAWS) software Version 4.0 default installation installed.

This patch should be loaded during non-peak hours to minimize disruption to users. Installation should take less than 3 minutes.

## Features

Because the VIST Patient Review ANRV patch utilizes a different environment than the VIST 4.0 application (VIST Patient Review is GUI and VIST 4.0 is Roll and Scroll), noting added features in this document is not appropriate. Instead, this section describes key GUI features made available by this application:

- Improved speed of entering and accessing patient data.
- Ability to navigate through application with a mouse or a keyboard.
- Allows text to voice interpretation for visually impaired users. This feature is available in conjunction with the install of the JAWS software package version 4.0, using the default installation configurations.
- Allows users flexibility in asking patients questions and reviewing answers.
- Introduces visually impaired patients to a Graphical User Interface (GUI) environment and JAWS text to voice software.
- Displays alerts for Restricted Access patient files, multiple matches to patient file searches and invalid electronic signature submissions.
- Tracks data entry authorization, by validating an electronic signature upon completion.

## Software and Manual Retrieval

The following software and files, are exported as part of this patch:

<u>File Name</u>	<u>Contents</u>	<u>Retrieval Format</u>
ANRV_4_0_5.KID	KIDS Build	ASCII
ANRV_4_0_5.ZIP	File(s) indented below	Binary
	-SETUP.EXE VIST Patient Review Setup Executable (The SETUP.EXE is an installation program that is used to install the following files within the installation directory selected by executing the SETUP.EXE executable.)	
	<INSTALLDIR>	
	- ANRV.EXE Executable	
	- ANRV.CNT Help CNT File	
	- ANRV.HLP Help File	
	<INSTALLDIR>\DOCUMENTATION	
	- VIST_4_UM.DOC User Manual (Word Document)	
	- VIST_4_UM.PDF User Manual (Adobe Acrobat Document)	
	- VISTOUTCOMEREFGUIDE.DOC Quick Reference (Word Document)	
	- VISTOUTCOMEREFGUIDE.PDF Quick Reference (Adobe Acrobat Document)	
	- VISTOUTCOMERELEASENOTES.DOC Release Notes (Word Document)	
	- VISTOUTCOMERELEASENOTES.PDF Release Notes (Adobe Acrobat Document)	

The files listed above may be obtained via FTP. The preferred method is to FTP the files from:

download.vista.med.va.gov

This transmits the files from the first available FTP server. Sites may also elect to retrieve software from a specific server as follows:

<u>OIFO</u>	<u>FTP Address</u>	<u>Directory</u>
Albany	<a href="ftp.fo-albany.med.va.gov">ftp.fo-albany.med.va.gov</a>	anonymous.software
Hines	<a href="ftp.fo-hines.med.va.gov">ftp.fo-hines.med.va.gov</a>	anonymous.software
Salt Lake City	<a href="ftp.fo-slc.med.va.gov">ftp.fo-slc.med.va.gov</a>	anonymous.software

## Files

The following is a listing of the files exported with this software.

- ANRV PATIENT REVIEW File (#2048)
- ANRV PATIENT REVIEW SECTIONS file (#2048.1)

## Routines

The following routines are included with this software.

ANRVOA	User and Patient specifics
ANRVOB	Patient Review specifics
ANRVOP	Patient Review Parameter Definition

## Data Dictionary Globals

The following globals are used in this software.

ANRV 2048	ANRV GUI Outcome
ANRV 2048.1	ANRV GUI Outcome Sections

## Options

The ANRV PATIENT REVIEW option is used by the GUI application to create context through the RPC Broker connection.

The ANRV PATIENT REVIEW option is assigned to GUI Application Users.



## **RPC Broker Calls**

The following RPC Broker calls are associated with the ANRV Patient Review option.

- ANRV CREATE OUTCOME
- ANRV GET OUTCOME TEXT
- ANRV GET PT OUTCOMES
- ANRV GET PTALL
- ANRV GET PTLAST5
- ANRV PTINFO CORE
- ANRV OUTCOME SECTION TEXT
- ANRV TANRVMESSAGE
- ANRV SET RECORD STATUS
- ANRV TANRVPATIENT
- ANRV GUI PARAMETER
- ANRV TANRVUSER
- ANRV FULLSSN

## Glossary

AMIS	Automated Management Information System
BRC Application Letter	This is a cover letter for a Blind Rehabilitation Center (BRC) Application packet. This letter requires editing and is meant to be printed for a particular veteran.
BRC Follow-up Letter	This is a questionnaire sent to the veteran following blind rehabilitation training. It is used to assist the center or clinic in following-up on the veteran.
Claim Letter	This is a cover letter to a VARO when filing a claim on behalf of a VIST veteran. This letter is meant to be printed for a particular veteran.
Invitation for VIST Review	This is an invitation for blinded veterans to notify VIST that they would like to participate in an annual review. This letter satisfies the requirements of M-2, Part XXIII and is meant to be printed as a mass mailing.
IRS Exemption Letter	This letter is to be used for any other purpose needed by VIST.
Non-VIST Eligible Veterans	Veterans that are legally blind, but not VIST eligible according to regulation. Veterans who meet this criteria should either be designated 002-NO-BRC or 003 NO-Other under the VIST ELIGIBLE (AMIS) field in the <i>Enter/Edit VIST Patient Record</i> option.
VARO	Veterans Affairs Regional Office
VIST	Visual Impairment Service Team

## Index

---

### *A*

Archiving and Purging · **6**

---

### *C*

Callable Routines · **6**

---

### *D*

DBIA Agreements · **7**

---

### *E*

External Interfaces · **7**

External Relations · **7**

---

### *F*

File Security · **13**

Files · **5**

---

### *I*

Internal Relations · **7**

---

### *M*

Menu Assignments · **6, 12**

Menus · **12**

---

### *O*

Options to be Deleted during Install · **2**

---

### *P*

Package Security · **6**

Package-Wide Variables · **7**

---

---

***R***

Resource Requirements · **2**

---

***S***

Security Keys · **6, 12**

Security Management · **12**

Software Product Security · **11**

---

***T***

Templates · **8**

---

***V***

VIST Menu · **12**