

AUTOMATED INFORMATION COLLECTION SYSTEM

AICS

USER MANUAL

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Department of Veterans Affairs Health Systems Design & Development (HSD&D)

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Document Revision History

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Introduction

The encounter form is a paper form designed specifically for outpatient visits. It is used both to display relevant patient data for use during the visit, such as demographics, allergies, and problems; and to collect data about the visit, such as procedures and tests performed. Its primary focus is clinical and to collect data for the Ambulatory Care Reporting Project. It also has other purposes such as collecting data necessary for billing.

The AICS package contains all the software necessary to design, edit, and assign encounter forms to clinics; print forms for appointments with patient data; and print with or without patient data for patients without an appointment. The software enables collection of outpatient clinical and administrative data; and provides a more organized, less obtrusive method of data collection to the clinician and supporting clerical staff.

AICS is a hybrid system designed to use commercial software for the scanning and image processing of forms.

Code Set Versioning

With functionality put in place by the Code Set Versioning project, the options listed below have been deleted from AICS. The user will see the following message.

Sorry, your Primary Menu is out of order with the message: ** This option is OUT OF ORDER **

Clinic Based Data Entry Conversion Utility for Scanning Data Entry by Form Form Component Inquiry Group Clinic Data Entry Pre-printed From Data Entry Scanned Forms w/Bill Gen Validate Forms

Functionality

The AICS software provides:

- a "tool kit" of forms and components that allows sites to avoid the time consuming process of creating forms from scratch;
- a "form generator" to allow sites to design custom forms;
- a print manager that allows sites to define reports to print along with the encounter form;
- an import/export utility that enables sites to exchange forms and components;
- VISTA interfaces that allow patient demographic data, insurance data, allergies, and problems to be displayed. More interfaces can be added in the future, as requested.

Integration

AICS integrates with the following software for the purpose indicated.

Scheduling - clinic setup, patient information, and list creation.

International Classification of Diseases (ICD) - list creation.

Current Procedural Terminology (CPT) - list creation.

Patient Care Encounter (PCE) - list creation.

Clinical Lexicon - list creation.

Problem List - list creation.

Allergy - patient information.

Integrated Billing (IB) - billing information for reports.

Health Summary - print health summaries for patient appointments.

Outpatient Pharmacy - print action profiles for patient appointments.

Accounts Receivable (AR) - billing information for reports.

Related Manuals

2

- AICS V. 3.0 Technical Manual assists the site manager in maintenance of the software.
- AICS V. 3.0 Installation Guide provides assistance in installation of the software.
- AICS V. 3.0 Release Notes describe any modifications and enhancements to the software new to this version.

Orientation

Package Operation

The Package Operation section provides documentation of each option, including a brief introduction to the option, sample screens, and sample outputs, when applicable.

List Manager

AICS uses the List Manager utility; a tool designed to list items for selection and action. Available actions are displayed below the screen. A double question mark (??) entered at any "Select Action" prompt displays all available actions for that screen.

Screens that display forms are numbered at the left from 1 to 80 (rows or lines) and across the top from 1 to 160 (columns). It is strongly recommended that forms are limited to 80 lines and 132 columns because of printer constraints.

For more information on the use of the screens, please refer to the List Manager Appendix at the end of this manual.

Orientation

Package Management

There are no unique legal requirements, responsibilities, or necessary security measures specific to the Automated Information Collection System (AICS) software.

Package Management

Package Operation

Edit Encounter Forms Clinic Setup/Edit Forms

Introduction

The Clinic Setup/Edit Forms option is a form generator used to create and edit encounter forms, and to associate those forms with specific clinics.

When using Group Copy (under Fast Selection Edit) to add a group from one selection list to another, both selection lists must have the same format. If they do not, data will not be displayed properly. Blanks will display for those subcolumns that do not match. The Form Components option can be used to check the selection list format of the groups being copied.

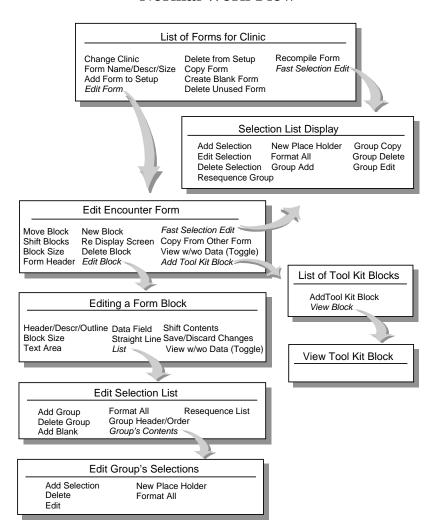
A new action on the Selection List Display Screen, Resequence Group, now allows you to resequence one or more groups within the block, or to resequence the entire block.

You are now asked for Alternative Narrative and Clinical Lexicon. Both Data Entry and Scanning will now pass this data to PCE.

CPT type blocks give the Form Creator the ability to enter a quantity for a CPT code.

More than one Diagnosis code can be passed.

Normal Work Flow



Screen	Subscreen	Primary Purpose	Example
1. List of Forms for Clinic		• Starting point to associate	1
		forms with a clinic	
		• Choose one form to edit	
		• Create a form	
2. Edit Encounter Form	Add Tool Kit Block	• Starting point to edit a	
	Create Block	form	
	Edit Block	• Add block	
		Move block	
		• Create blank block	
		• Edit a list or field on the	
		form (actual contents)	
3. Editing a Form Block		• Add/edit a list	2
		• Add/edit fields for display	3
		• Add/edit lines	
		Change block size	
4. Edit Selection List	Edit Group	• Add or edit groups on a	
	Edit Selections	list	
		• Add entries to a group	

Tasks/Processes

Add or change forms associated with a clinic	On List of Forms for Clinic screen, use Add Form
	to Setup or Delete from Setup.
Easiest way to edit an existing list	On the List of Forms for Clinic screen, Use Fast
	Selection Edit.
Make a form scannable	On List of Forms for Clinic screen use Form
	Name/Descr/Size. Then, edit the appearance of
	each list on the Edit a Form Block screen.
	Marking areas must be bubbles.
Edit a form	From the Edit Encounter Form screen, you can
	add, delete, edit, move, or resize blocks.
Create a new form	From the List of Forms for Clinic screen you can
	copy an existing form, create a blank form and
	add existing tool kit blocks (or design your own
	blocks).
Add predefined blocks	On the Edit Encounter Form screen, use Add
	Tool Kit Block or Copy From Other Form.
Edit the scanning parameters for a list	From the Edit Encounter Form screen, use <i>Edit</i>
	<i>Block.</i> Use <i>List</i> to edit the list, and then choose
	appearance.
Create a new list	On the Editing a Form Block screen, use <i>List</i> ; or
	Fast Selection Edit on the List of Forms for
	Clinic screen. First, add your group headers;
	then for each group, list the items under each.
Delete a form	On the List of Forms for Clinic screen, Delete
	from Setup, then Delete Unused Form.

Example 1 - List of Forms for Clinic Screen

LIST OF FORMS	FOR CLINIC	Mar 05, 1997 11:03:11	Page:	1 of	1
FORMS CURRENT	LY USED BY 'C	RTHOPEDIC' CLINIC			

	FORM NAME	USE & BRIEF DESCRIPTION
1	BASIC FORM	Basic Encounter Form
		scannable form for ambulatory surgery
2	SUPPLEMENTAL FORM	Supplemental Form - All Patients
		supplemental form for scanning

	Enter ?? for mo	re a	ctions			>>>
CC	Change Clinic	CF	Copy Form	FE	Fast Selection	Edit
NM	Form Name/Descr/Size	CR	Create Blank Form	RC	Recompile Form	
AS	Add Form to Setup	DF	Delete Unused Form			
DS	Delete from Setup	EF	Edit Form			
Sel	ect Action: Ouit//					

Example 2 - Add/Edit Selection List

```
[A]ppearance [D]elete [C]ontents [P]osition: C// APP APPEARANCE
NAME: DIAGNOSES// <RET>
WHAT TEXT SHOULD APPEAR AT THE TOP OF EACH COLUMN? (OPTIONAL): <RET>
SUBCOLUMN HEADER APPEARANCE: ?
    R=Reverse Printing
SUBCOLUMN HEADER APPEARANCE: R
HOW SHOULD THE SUBCOLUMNS BE SEPARATED?: <RET>
HOW SHOULD THE HEADER FOR EACH GROUP OF ENTRIES APPEAR? CHOOSE FROM
{U,B,S,C}:C// < RET>
NUMBER OF ADDITIONAL LINES FOR EACH ENTRY ON LIST?: 0// <RET>
SHOULD EACH ENTRY ON THE LIST BE UNDERLINED? (YES/NO): NO// <RET>
You can now specify the subcolumns the list should contain.
There can be at most 6 subcolumns, numbered 1-6.
Available Data:
  1= CODE :7 char
                                         2= DIAGNOSIS :30 char
  3= DESCRIPTION :200 char
                                         4 = (N/A)
Select SUBCOLUMN NUMBER: 2// 1 HEADER=P
                                                                      CONTENT
=BUBBLE (use for scanning)
  SUBCOLUMN NUMBER: 1// <RET>
  SUBCOLUMN CONTAINS TEXT, OR FOR MARKING? (TEXT/MARKING): MARKING// <RET>
 TYPE OF MARKING AREA: BUBBLE (use for scanning)// <RET>
  SELECTION RULE: EXACTLY ONE// <RET>
  DATA QUALIFIER: PRIMARY// ?
    Does one of the qualifiers apply to the choices made in this subcolumn?
    Allows only certain data qualifiers, defined in the Package Interface
    file.
 Answer with AICS DATA QUALIFIERS NAME, or RECOMMENDED HEADER
 Do you want the entire AICS DATA QUALIFIERS List? N (No)
 DATA QUALIFIER: PRIMARY// <RET>
 WHAT TEXT SHOULD APPEAR AT THE TOP OF THE SUBCOLUMN?:// <RET>
Available Data:
  1= CODE :7 char
                                         2= DIAGNOSIS :30 char
  3= DESCRIPTION :200 char
                                         4 = (N/A)
Select SUBCOLUMN NUMBER:
HOW MANY 'OTHER' DO YOU WANT TO ALLOCATE SPACE FOR?: 2// <RET>
WHAT SHOULD SPACE BE ALLOCATED FOR IN 'OTHER'?: NARRATIVE AND CODE// <RET>
WHAT DO YOU WANT ENTERED TO THE DATABASE?: CODE ONLY// <RET>
... BUILDING THE FORM BLOCK ...
```

Example 3 - Add/Edit Fields for Display

SUBFIELD LABEL: Patient Name:// <RET>

```
Select Action: Next Screen// DF
                                 Data Field
A DISPLAY FIELD outputs data from VISTA, MULTIPLE CHOICE FIELDS
and HAND PRINT FIELDS allow input of data, LABELS are for fixed text fields
Edit fields for: [D]isplay, [M]ultiple Choice, [H]and Print, [L]abel only:
(D/M/H/L): D// <RET>isplay Field
You can Create, Edit, or Delete a data field, Shift all of the data fields
within a range up or down, or List their locations .
[C]reate, [D]elete, [E]dit, [S]hift, [L]ocations, [Q]uit:
(C/E/D/S/L/Q): C// ED Edit
    1 393 PATIENT NAME
    2 393 PATIENT DOB
    3 393 PID
    4 393 SEX
        393 ELIGIBILITY
TYPE '^' TO STOP, OR
CHOOSE 1-5: 1 PATIENT NAME
NAME: PATIENT NAME// <RET>
Available Data:
 1= Patient's Name :30 char
                                        2 = (N/A)
Select SUBFIELD LABEL: Patient Name:// <RET>
```

EDIT	ING A FORM BLOCK Mar 06, 1997 13:09:07	Page: 1 of 2
	1 2 3 4 5	6 7
	123456789 123456789 123456789 123456789 123456789 12345	56789 123456789
1		<u> </u>
2	PATIENT INFORMATION	:
3		:
4	Patient Name:	:
5	DOB: PID: Sex: _	:
6	Eligibility:	:
7	Means Test Cat: _	 :
8	Address: Telephone:	:
9		:
10		:
11		:
12		:
13	ACTIVE INSURANCE POLICIES	:
14		:
15		:
+	Enter ?? for more actions	>>>
НО	OW SHOULD THE LABEL APPEAR? CHOOSE FROM {U,B,R,I}: B //	<ret></ret>

```
STARTING ROW FOR LABEL: 4// <RET>
STARTING COLUMN FOR LABEL: 2// <RET>
LENGTH OF DATA: 30// <RET>
STARTING ROW FOR DATA: 4// <RET>
STARTING COLUMN FOR DATA: 16// <RET>
Available Data:
1 = Patient's Name :30 char 2 = (N/A)
Select SUBFIELD LABEL: <RET>
... BUILDING THE FORM BLOCK ...
```

123456789	123456789	123456789	123456789	123456789	123456789	123456789	12345
143430/02	143430/09	143430709	143430/09	143430709	143430/09	143 1 30/09	T Z 3 4 3

1 _		:	
2	PATIENT INFORMATION	:	
3		:	
4	Patient Name:		
5	DOB: PID:	Sex: _ :	
6	Eligibility:		
7	Means Test Cat: _	:	
8	Address: Telephone:_	:	
9		:	
10		:	
11			
12		:	
13	ACTIVE INSURANCE POLICE	IES :	
14		:	
15		:	
+	Enter ?? for more actions		>>>

You can Create, Edit, or Delete a data field, Shift all of the data fields within a range up or down, or List their locations .

[C]reate, [D]elete, [E]dit, [S]hift, [L]ocations, [Q]uit: (C/E/D/S/L/Q): C/

Edit Encounter Forms Copy CPT Check-off Sheet to Encounter Form

Introduction

This option allows you to copy a selected CPT Check-off Sheet's CPT codes to an encounter form.

You are prompted to select the form you are copying the Check-off Sheet to. (The form you select must contain a selection list with CPT codes.) You are then asked to enter the Ambulatory Check-off Sheet name. Once entered, the CPT codes from the selected sheet are ADDED to the form. Any codes already included on the form remain and are not replaced by the new codes.

Example

```
Select the encounter form you want to copy CPT codes to!

Select a FORM: GENERAL MED scannable form for primary care

Select AMBULATORY CHECK-OFF SHEET NAME: GEN MED

...OK? Yes// <RET> (Yes)...
```

Edit Encounter Forms Most Commonly used Outpatient CPT Codes

Introduction

This option produces an output that lists the most common Ambulatory Procedures and Ambulatory Surgeries performed in a date range for a given set of clinics (limit 20). It is provided to assist in building CPT Check-off Sheets.

You are prompted to enter one of the following sorts for the selected date range and clinic(s).

CLINIC - provides a count of procedures used, by clinic.

PROCEDURE - provides a total count of all procedures used including the total count used in billing.

PROCEDURE WITH EXTENDED DESCRIPTION - provides the same report as PROCEDURE, and includes a full procedure description.

At multi-divisional sites, this report can also be printed for selected divisions.

Example

```
Select one of the following:
         C
                  CLINIC
                  PROCEDURE
                  PROCEDURE WITH EXTENDED DESCRIPTION
Sort report by: D PROCEDURE WITH EXTENDED DESCRIPTION
Start with DATE: 1/1 (JAN 01, 1997)
Go to DATE: t (MAR 06, 1997)
Select division: ALL// TROY
                                    500T
Select another division: <RET>
Select clinic: ALL// cardIOLOGY
                                       BABCOCK, LISA
Select another clinic: <RET>
This report requires 132 columns.
OUTPUT DEVICE: HOME// <RET> LAT RIGHT MARGIN: 80// 132
```

Edit Encounter Forms Most Commonly used Outpatient CPT Codes

CLINIC CPT USAGE FOR JAN 1,1997 - MAR 6,1997		M	AR 06, 1997	13:57	PAGE 1
ALL DIVISIONS AND CLINICS AMBULATORY PROCEDURE			OPC STATUS		CHARGE
00102 ANESTH, REPAIR OF CLEFT LIP ANESTHESIA FOR PROCEDURES ON INTEGUMENTARY SYSTEM OF HEAD AND/OR SALIVARY GLANDS, INCLUDING BIOPSY; PLASTIC REPAIR OF CLEFT LIP	2	2	NATIONALLY	ACTIVE	
00126 ANESTH, TYMPANOTOMY ANESTHESIA FOR PROCEDURES ON EXTERNAL, MIDDLE, AND INNER EAR INCLUDING BIOPSY; TYMPANOTOMY	1		NATIONALLY	ACTIVE	
10040 ACNE SURGERY OF SKIN ABSCESS ACNE SURGERY (EG, MARSUPIALIZATION, OPENING OR REMOVAL OF MULTIPLE MILIA, COMEDONES, CYSTS, PUSTULES)	12 E		NATIONALLY	ACTIVE	
10060 DRAINAGE OF SKIN ABSCESS INCISION AND DRAINAGE OF ABSCESS (EG, CARBUNCLE, SUPPURATIVE HIDRADENITIS, CUTANEOUS OR SUBCUTANEOUS ABSCESS, CYST, FURUNCLE, (PARONYCHIA); SIMPLE OR SINGLE	9 OR		NATIONALLY	ACTIVE	
Enter RETURN to continue or '^' to exit:					

Print Options Print Encounter Forms for Appointments

Introduction

This option is used to print an encounter form for appointments either by patient or clinic.

When you choose appointments by clinic, there are three sort options: Division/Clinic/Patient, Division/Terminal Digits, or Division/Clinic/Terminal Digits. You also can print forms for one, many, or all clinics, (for one/many/all divisions - if your site is multi-divisional); and for all patients or add-ons only.

When appointments are selected by patient, you can enter any number of patients individually. Once a patient name is entered, you are prompted to select an appointment for that patient.

The report can also be printed for individual clinic groups or divisions. If you select a clinic group, you are prompted for additional clinic groups, but not for additional clinics or divisions.

When printing encounter forms, it is important to remember they require a page size of 80 lines and 132 columns.

Print Options

Print Encounter Forms for Appointments

Example

Do you want to print forms for a particular patient or for entire clinics?

Select one of the following:

P Patient C Clinic

Select Appointment by: Clinic// <RET>

Select one of the following:

- 1 Division/Clinic/Patient Name
- Division/Terminal Digits
- 3 Division/Clinic/Terminal Digits

How should the output be SORTED?: 1// <RET> Division/Clinic/Patient Name Appointment Date to Print Forms For: TODAY// <RET> (MAR 06, 1997)
Select Print Manager Clinic Group: PRIMARY CARE
Select another Print Manager Clinic Group: <RET>
WANT TO PRINT ADD-ONS ONLY? NO// <RET>
IS THIS A REPRINT OF A PREVIOUS RUN? NO// <RET>
** Encounter Forms require a page size of 80 lines and 132 columns. **

OUTPUT DEVICE: HOME// A138 RIGHT MARGIN: 80// 132

Print Options

20

Print Encounter Forms for Appointments

		a1	inic: CAR	DTOLOGY	
Patient Name: AICSPATIENT,ONE DOB: JUL 10,1964 PID: 000-45-6789 Sex: M Eligibility: NSC	ALBANY NY			MAR 06, 1997@	₃09:00
SC Conditions: SC%: % Means Test Cat: R	Vital Signs:	BP:		т:	
AO: NO IR: NO POW: NO EC: NO Address: Telephone: 518 555-2222 123 Lake rd	p:	_ INIT	IALS/TIME		
Anywhere, NEW YORK 12345	CODE DIAGNOSIS	S x	CODE	DIAGNOSIS	x
Insurance: NO Policy Number:					
Marital Status: S Employer: Status:					
Spouse's Employer:					
Progress Notes: () Attached () See Chart					
Subjective:					
Objective:					
Assessment/Diagnosis:					
Plan:					
	Provider Signature				

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Print Options Print Form w/Patient Data, No Appt

Introduction

This option allows you to print encounter form(s) with patient data. It does not require that an appointment is selected. On forms that show appointment times, the current time (time form is printed) is shown.

You can print a specific encounter form, or the form specified through the Clinic Setup/Edit Forms option for the selected clinic.

Please remember that encounter forms require a page size of 80 lines and 132 columns.

Print Options Print Form w/Patient Data, No Appt

Example

Patient Name: AICSPATIENT,ONE DOB: JUL 10,1964 PID: 000-45-6789 Sex: M	 ALBAN	NY NY		: CARDIO	LOGY V 22, 1993@0	9:00
Eligibility: NSC SC Conditions: SC%: % Means Test Cat: R	 Vital Signs				·	, ,
		p:	INIT	IALS/TIM	Ξ :	
AO: NO IR: NO POW: NO EC: NO Address: Telephone: 518 555-2222 123 Lake rd	<u> </u>	PLEASE CHECK O	FF DIAGNO	OSIS TRE	ATED THIS VIS	IT
Anywhere, NEW YORK 12345	CODE	DIAGNOSIS OTHER	x	CODE	DIAGNOSIS	x
Insurance: NO Policy Number:		O TABLE				Ħ
Marital Status: S						
Employer: Status: Spouse's Employer:						븨
						目
						目
Duranas Water () Natashed () Cas Chaut						
Progress Notes: () Attached () See Chart Subjective:						
Objective:						
Assessment/Diagnosis:						
nlen:						
Plan:						
		Provider Sign	ature		<u></u>	

Print Options Print Blank Encounter Form

Introduction

This option allows you to print a blank form for a selected clinic. Only forms defined as "FORM TO PRINT WITHOUT PATIENT DATA" in the Clinic Setup/Edit Forms option can be printed. These are forms intended for use with patient cards or forms with blank space for handwritten patient data.

Example

	PLACE PATIENT CARD HE			- ¦		_	Tinic: DERMATC		
						A	ppt. DT/Time:		
				 WT:		BP:		T:	-
				P:		INI	TIALS/TIME: _		-
				VISIT (mark on	e only)	х	VISIT	(mark one only)	x
				NEW PAI	IENT		Intermediate	(21-30 min)	
				Brief Exam			Extended	(31-45 min)	
				Limited Exam	(11-20 min))	Comprehensiv	re (46-60+ min)	
				Intermediate Exam			F/U Brief	(1-10 min)	
				Extended Exam	(31-45 min)		F/U Limited	(11-20 min)	
				Comprehensive Exam		1)	F/U Intermed	liate (21-30 min)	
				CONSULTA			.! !		
				Limited	(1-20 min)		.11		
			PLEASE	CHECK OFF DIAGNOSIS TRE	ATED THIS VIS	SIT			
CODE	DIRGNOGIG			DIAGNOSIS			IODE	DINGNOGIG	
CODE	DIAGNOSIS	х	CODE	DIAGNOSIS	x	- -	ODE	DIAGNOSIS	x
	OTHER		!!	-		-!!—			
			!!			-!!—			
		<u> </u>	!!	1		-!!—			
			!!			-!!—			!_
			!!			-!!—			!_
						_!!			
						_11			
						_			
						_			
			l I			_11			
			PLEASE	CHECK PROCEDURES PERFOR	MED THIS VIS	<u>T</u>			
								DD 0.0000000	
	PROCEDURE			PROCEDURE	x	- 1	DE		x
	CIN LESION, TRUNK, ARMS	OR LEG	· ·			- ' '	.622 REMOVAL OF		
	0.5 CM OR LESS	<u> </u>		REMOVAL OF SKIN LESION			426 REMOVAL OF		
	0.5 CM OR LESS	<u> </u>		L OF SKIN LESION, SCALE	, NECK OR HAN	-::-			OUS ME
	.06 TO 1.0 CM			REMOVAL OF SKIN LESION			440 REMOVAL OF		
	.06 TO 1.0 CM			REMOVAL OF SKIN LESION			.640 REMOVAL OF		_
	OF SKIN LESION		· ·	REMOVAL OF SKIN LESION		- ' '	441 REMOVAL OF		
	L OF SKIN LESION			REMOVAL OF SKIN LESION		-''-	.641 REMOVAL OF		!_
	OF SKIN LESION			REMOVAL OF SKIN LESION	1	11111	442 REMOVAL OF	ATTEN THATON	- 1

Print Options Print Blank Encounter Form

Objective:		
Assessment/Diagnosis:		
Plan:		
Was treatment for a SC condition? YES	NO	
Was treatment related to: AO IR EC		ider Signature

Print Manager Edit Division Reports

Introduction

This option is used to print selected reports for a specific division under specified conditions.

Only reports contained in the PACKAGE INTERFACE file can be printed. The following reports are included in the file: ACTION PROFILE - 45 DAYS and INFORMATION PROFILE - 45 DAYS (both from the Outpatient Pharmacy package); and ROUTING SLIP (from the Scheduling Package). Other reports can be added to the file; however, only health summary reports can be added by most users. Reports other than health summary can only be added by IRM personnel.

You can choose one of the following conditions for each selected report.

FOR EVERY APPOINTMENT - form will print for every appointment.

ONLY FOR EARLIEST APPOINTMENT - form will print once per patient, even if the patient has multiple appointments. It will print even if it is defined to be excluded through the Edit Clinic Reports option. One form will print for each division.

ONLY IF MULTIPLE APPOINTMENTS - form will print for the earliest appointment for patients with multiple appointments. It will print even if it is defined to be excluded through the Edit Clinic Reports option. One form will print for each division.

Print Manager Edit Division Reports

Example

You can now select reports that should be printed for the entire division

EDIT REPORTS TO PRINT FOR WHICH DIVISION?: TROY 500T

DIVISION: TROY// <RET>

Select REPORT: ACTION PROFILE - 45 DAYS// ROUTING SLIP ROUTING SLIP TYPE=REPORT

Are you adding 'ROUTING SLIP' as a new REPORT (the 3RD for this PRINT MANAGER DIVISION SETUP)? Y (Yes)

REPORT PRINT CONDITION: ??

Choose FOR EVERY APPOINTMENT if the form should print for every appointment.

Choose ONLY FOR EARLIEST APPOINTMENT if the form should print once per patient, even if he has multiple appointments

Choose ONLY IF MULTIPLE APPOINTMENTS if the form should print only if the patient has multiple appointments. If so, it will print only for the earliest appointment.

The condition under which the report should print.

Choose from:

FOR EVERY APPOINTMENT
ONLY FOR EARLIEST APPOINTMENT
ONLY IF MULTIPLE APPOINTMENTS

REPORT PRINT CONDITION: FOR EVERY APPOINTMENT
PRINT CONDITION: FOR EVERY APPOINTMENT// <RET>

SIMPLEX/DUPLEX: DUPLEX, SHORT-EDGE BINDING// <RET> DUPLEX, SHORT-EDGE BINDING Select REPORT:

Print Manager Edit Clinic Reports

Introduction

This option is used to enter/edit the reports/forms printed for a specific clinic.

BASIC DEFAULT ENCOUNTER FORM - the encounter form that will be printed for every appointment.

SUPPLMNTL FORM - ALL PATIENTS - A supplemental form to be used by all patients of the clinic. A form in this category should **not** also be in one of the other categories for supplemental forms or it would print twice. You may have up to three supplemental forms for all patients.

SUPPLMNTL FORM - ESTBLSHED PT. - A supplemental form that will print only for patients who have previously been seen in the clinic.

SUPPLMNTL FORM - FIRST VISIT - A supplemental form that will print only for patients who have not previously been seen at the clinic.

FORM W/O PATIENT DATA - The encounter form that should be printed for unscheduled visits. It can have a space in the top left hand corner for imprinting the embossed patient card or writing in patient data.

RESERVED FOR FUTURE USE - This category was created to store new forms that have not yet been completed. Forms entered here are not printed.

DON'T USE PCMM PROVIDERS - AICS defaults to printing providers specified in PCMM, if defined; otherwise, providers from the clinic setup are used. If YES is entered, AICS prints the providers from clinic setup regardless of PCMM.

SELECT REPORT - Reports that should be printed for the clinic **in addition** to the encounter forms that have been selected. Only reports contained in the PACKAGE INTERFACE file can be selected at this prompt.

SELECT EXCLUDED REPORT - Reports that you **do not** want to print for this clinic. Entering a report as an excluded report will prevent it from printing even if it is defined to print for every appointment for the division through the Edit Division Reports option. Reports defined through the Edit Division Reports option as printing ONLY EARLIEST APPOINTMENT or ONLY IF MULTIPLE APPOINTMENTS will not be excluded from printing for the first clinic.

Print Manager Edit Clinic Reports

Example

EDIT REPORTS TO PRINT FOR WHICH CLINIC?: ORTHOPEDIC

CLINIC: ORTHOPEDIC// <RET>

BASIC DEFAULT ENCOUNTER FORM: ORTHO CLINIC// <RET>

SUPPLMNTL FORM #1 ALL PATIENTS: PRIMARY CARE scannable form for primary care

SUPPLMNTL FORM #2 ALL PATIENTS: <RET>

SUPPLMNTL FORM #3 ALL PATIENTS: <RET>

SUPPLMNTL FORM - ESTBLSHED PT.: <RET>

SUPPLMNTL FORM - FIRST VISIT: <RET>

FORM W/O PATIENT DATA: <RET>
RESERVED FOR FUTURE USE: <RET>
DON'T USE PCMM PROVIDERS: <RET>

You can now select reports that should be printed for the clinic IN ADDITION to the encounter forms that have been selected.

Select REPORT: ROUTING SLIP

ROUTING SLIP TYPE=REPORT

Are you adding 'ROUTING SLIP' as a new REPORT (the 1ST for this PRINT MANAGER CLINIC SETUP)? \mathbf{Y} (Yes)

SIMPLEX/DUPLEX: DUPLEX, SHORT-EDGE BINDING// <RET> DUPLEX, SHORT-EDGE BINDING Select REPORT:

Print Manager Define Available Health Summary

Introduction

This option allows a Health Summary to be made available for use by the print manager. The Health Summary selected must have been created through the Health Summary package prior to defining it to the print manager.

You are prompted to enter the name of the health summary you wish to define. You may enter a list of words with which to index this interface. You will then be able to look up this interface by entering any word you have entered. Each word should be at least three characters in length and words must be separated by a space. The purpose of this field is to assist you in locating the package interface you need to display a particular item of data to a form.

You can also set the interface to YES if available, NO if it is not. Interfaces that are not available are not called.

Example

```
You can now edit the Health Summaries available through the print manager.

Select a Health Summary defined to the print manager: LAB RESULTS
  Are you adding 'LAB RESULTS' as a new PACKAGE INTERFACE? Y (Yes)

PACKAGE INTERFACE ACTION TYPE: PRINT REP PRINT REPORT

NAME: LAB RESULTS// <RET>

DESCRIPTION:

1>This health summary prints lab results for patients for the last
2>three months.
3>

EDIT Option: <RET>
USER LOOKUP: LAB 90 DAYS

TYPE OF HEALTH SUMMARY: SAMPLE 1

AVAILABLE? (Y/N): Y YES
```

Print Manager Report Clinic Setups

Introduction

This option provides a report, by division that lists each clinic setup and the encounter forms and other reports defined for use by that clinic. For clinics with reports defined, the condition on which the report is printed is also provided.

Example

AICS Print Manager Clinic Setup Report For Division: ALBANY	Mar 06, 1997@16:14:43 PAGE 1
Division: ALBANY	
Clinic: DENTAL BASIC DEFAULT FORM:	32X-DENTAL
Clinic: DERMATOLOGY BASIC DEFAULT FORM: FORM WITH NO PRE-PRINTED PATIENT DATA: SUPPLEMENTAL FORM - PATIENT WITH PRIOR VI RESERVED FOR FUTURE USE:	BILOXI.AICS ISITS: BILOXI.AICS II
REPORTS	PRINT CONDITION
======	==========
ACTION PROFILE - 45 DAYS	FOR EVERY APPOINTMENT
ACTION PROFILE - 45 DAYS	FOR EVERY APPOINTMENT
Clinic: EF TEST BASIC DEFAULT FORM:	PRIMARY CARE
Enter RETURN to continue or '^' to exit:	

Print Manager Setup Automatic Print Queues

Introduction

This option allows you to enter Print Manager queuing parameters and to specify automatic queuing parameters.

The wild card, *, can now be used when entering clinics to clinic groups.

Normal Work Flow

Print Mgrs. Queuing Params.

Edit Parameter Grp. Print Forms One Group Queue Status Add Parameter Grp. Special Instruc Help Task Interupt Jump to Param. Grp. Clinic Group Menu

Clinic Groups/Clinics List

Add Clinic Group Edit Clinic Group Jump to Clinic Grp.

Print Manager Setup Automatic Print Queues

Example

Print Mgrs. Queuing Params. Mar 06, 1997 16:15:40 Page: 1 of 1 This is the list of Print Manager's Queuing Parameters (PMQP) for your facility You may enter new ones or edit those already set up.

There are no PARAMETER GROUPS listed.

```
Enter ?? for more actions
EP Edit Parameter Grp. PF Print Forms One Group DG Delete Param Grp
AP Add Parameter Grp. HL Special Instruc Help EX Exit
JP Jump to Param. Grp. QS Queue Status CG Clinic Group Menu TI Task Interupt
Select Action: Quit// AP
Select Print Mgrs. Queuing Params. Name: NEW GROUP
CLINIC SORT BY: DIVISION/CLINIC/PATIENT// <RET>
ADD ONS: NO// <RET>
CLINIC GROUPS: ??
     This field is a pointer to the PRINT MANAGERS CLINIC GROUPS file
     (#357.99). This stores the name of the clinic group that the
     encounter forms should be printed for. Each Clinic Group has one
     or more clinics assigned to it.
Choose from:
   PRIMARY CARE A
   PRIMARY CARE B
   PRIMARY CARE C
CLINIC GROUPS: PRIMARY CARE A
DAYS TO PRINT AHEAD: 3
SPECIAL INSTRUCTIONS: R// ?
     Choose from:
               RUN REGARDLESS
               IGNORE BOTH WEEKENDS AND HOLIDAYS
               IGNORE WEEKENDS
               IGNORE HOLIDAYS
               TODAY
                NOT ACTIVE
SPECIAL INSTRUCTIONS: R// <RET> RUN REGARDLESS
DEVICE: HP LASER// ??
     This field contains a free text pointer to the device. This stores the
     name of the printer where the encounter forms should be printed for
     the print job.
DEVICE: HP LASER// <RET>
```

Print Manager Setup Automatic Print Queues

PRINT PRIORITY: 1// ??

This field contains a number which will be used to sequence the print job tasks. The lower the number, the higher the priority of the job

and those will be queued to print first.

PRINT PRIORITY: 1// <RET> TIME QUEUED: 1330//<RET>

Print Mgrs. Queuing Params. Mar 06, 1997 16:19:32 Page: This is the list of Print Manager's Queuing Parameters (PMQP) for your facility You may enter new ones or edit those already set up.

NEW GROUP

Starting Date/Time: Days To Print Ahead: 3 Add Ons Only: Ending Date/Time: NO

Clinic Groups: PRIMARY CARE A Last Date Printed:
Sort By: Div/Clin/Patient Print Priority:

Special Instructions: Run Regardless Device/Time Queued: Hp Laser @1330

Enter ?? for more actions

EP Edit Parameter Grp. PF Print Forms One Group DG Delete Param Grp
AP Add Parameter Grp. HL Special Instruc Help EX Exit
JP Jump to Param. Grp. QS Queue Status
CG Clinic Group Menu TI Task Interupt
Solect Agrica: Ouit //

Select Action: Quit//

Edit Tool Kit Edit Tool Kit Blocks

Introduction

To help you to create customized forms, a tool kit is provided which contains template forms and blocks that can be copied and edited to create new forms/blocks. The Edit Tool Kit Blocks option is used to create, edit, or delete tool kit blocks. (Please refer to the Edit Tool Kit Forms option to edit, create, or delete forms.)

Five new tool kit blocks have been added: Practitioner, Hidden Classifications, Patient Immunizations, Eye Art I, and Eye Art II.

Normal Work Flow

Edit Tool Kit Blocks

Copy Block Delete Block New Block Change TK Order Edit Block

Editing a Form Block

Header/Descr/Outline Data Field Shift Contents
Block Size Straight Line Save/Discard Changes
Text Area Selection List

Edit Selection List

Add Group Format All
Delete Group Group Header/Order
Add Blank Group's Contents

Edit Group's Selections

Add Selection Format All
Delete Selection Edit Selection
Add Blank

Edit Tool Kit Edit Tool Kit Blocks

Screen Descriptions

Edit Tool Kit Blocks Screen

This screen lists the blocks available in the tool kit with a brief description. You can create, edit, copy, change the order of, and delete the blocks.

Editing a Form Block Screen

This screen is accessed through the *Edit Block* action on the Edit Tool Kit Block screen. The block is displayed as nearly as possible to how it will appear on paper. You can edit the block's contents, appearance, and description.

Edit Selection List Screen

This screen is accessed by choosing to edit a list's contents through the *Selection List* action on the Editing a Form Block screen. It displays the selection groups defined for the selection list, with the header text and the print orders, and allows you to edit the contents of the list. A selection group is a group of selections with a header and a defined print order. A selection list is made up of one or more selection groups. To edit individual selections, a group must be selected. A group is a named collection of items on the list.

Edit Group's Selections Screen

This screen is accessed through the *Group's Contents* action on the Edit Selection List screen. It displays the selections appearing under the group, showing the text appearing on the form and the print order of the selections within the group. It allows you to edit selections on the list. A selection is just one item on the list, usually selected from a table, such as the table of ICD-9 Diagnosis Codes.

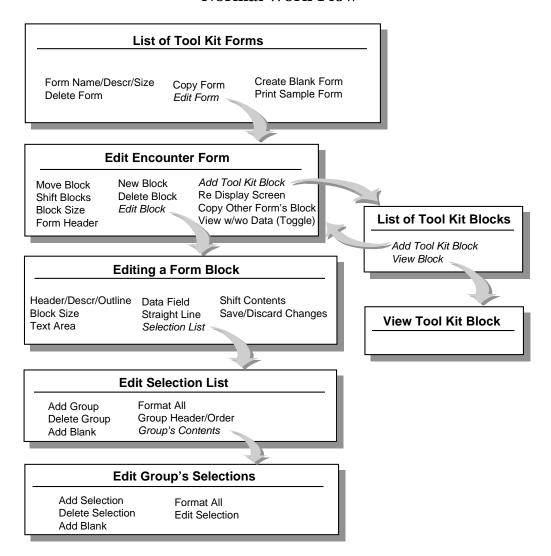
Please refer to the Clinic Setup/Edit Forms option for additional documentation.

Edit Tool Kit Edit Tool Kit Forms

Introduction

To help you to create customized forms, a tool kit is provided with the AICS software which contains template forms and blocks that can be copied and edited to create new forms/blocks. The Edit Tool Kit Forms option is used to create, copy, edit, print, and delete these template forms. (Please refer to the Edit Tool Kit Blocks option documentation.)

Normal Work Flow



Edit Tool Kit Edit Tool Kit Forms

Screen Descriptions

List of Tool Kit Forms

This screen lists all forms currently contained in the tool kit with a brief description of each form. You can create, copy, edit, and delete the forms.

Edit Encounter Form Screen

This screen is accessed through the *Edit Form* action on the List of Tool Kit Forms screen. You are first asked to select which form you wish to edit. The Edit Encounter Form screen then displays the selected form for editing.

List of Tool Kit Blocks Screen

This screen is accessed through the *Add Tool Kit Block* action on the Edit Encounter Form screen. It displays a list of the available tool kit blocks for selection.

View Tool Kit Block Screen

This screen is accessed through the Select Tool Kit Block action on the List of Tool Kit Blocks screen. It is for viewing only.

Editing a Form Block Screen

This screen is accessed through the *Edit Block* action on the Edit Encounter Form screen. The block is displayed as nearly as possible to how it will appear on paper. You can edit the block's contents, appearance and description.

Edit Selection List Screen

This screen is accessed by choosing to edit a list's contents through the *Selection List* action on the Editing a Form Block screen. It displays the selection groups defined for the selection list, with the header text and the print orders, and allows you to edit the contents of the list. A selection group is a group of selections with a header and a defined print order. A selection list is made up of one or more selection groups. To edit individual selections, a group must be selected. A group is a named collection of items on the list.

Edit Tool Kit Edit Tool Kit Forms

Edit Group's Selections Screen

This screen is accessed through the *Group's Contents* action on the Edit Selection List screen. It displays the selections appearing under the group, showing the text appearing on the form and the print order of the selections within the group. It allows you to edit selections on the list. A selection is just one item on the list, usually selected from a table, such as the table of ICD-9 Diagnosis Codes.

Please refer to the Clinic Setup/Edit Forms option for additional documentation.

Introduction

This option is locked with the IBDF IRM security key.

This option allows package interfaces to be created, edited, and deleted; however, package interfaces that are in use in any form should not be deleted. The option only allows selection routines and output routines, which are defined as follows:

OUTPUT

Routines that are used to obtain data from other packages that will be displayed to DATA FIELDS. Output routines fill in the data on an encounter form (e.g., name, DOB, etc.). The data is not stored with the form, but instead is obtained at the time the form is printed.

SELECTION

Routines that are used to obtain data from other packages that will be displayed to SELECTION LISTS. Selection routines select data from a table (e.g., CPT, DX, etc.) and fill in the form with codes. The data is stored with the form.

There is a new package interface, DG 1010F PRINT, which will print a 1010F with the encounter form if a new Means Test or Copay Test is due within the number of days specified in the AICS parameters (the default is 30).

The following documentation provides instructions to help you write your own package interfaces to obtain data not available through the Tool Kit.

Step 1 - Write a routine to obtain the data. Output routines must write the data to the ^TMP global in the following format:

Single Value (a string without pieces):

^TMP("IB",\$J,"INTERFACES",+\$G(DFN),<interface name>)=data

Record (a set of strings concatenated together with "^" separating the pieces):

^TMP("IB",\$J,"INTERFACES",+\$G(DFN),<interface name>)=piece1^piece2^...

NOTE: You can enter a maximum of seven pieces of data. The string must be less than 256 characters long.

<u>LIST of Single Values</u> (an indefinite number of values, each numbered, each containing the same type of information):

```
^TMP("IB",J,"INTERFACES",+G(DFN),<interface name>,1)=value 1 ^TMP("IB",J,"INTERFACES",+G(DFN),<interface name>,2)=value 2 etc.
```

<u>List of Records</u> (an indefinite number of values, each numbered, each containing the same type of information):

```
^TMP("IB",J,"INTERFACES",+G(DFN),<interface name>,1)=piece1^piece2^... ^TMP("IB",J,"INTERFACES",+G(DFN),<interface name>,2)=piece1^piece2^... etc.
```

NOTE: You can enter a maximum of seven pieces of data.

Word Processing (data in VA FileMan format):

```
^TMP("IB",J,"INTERFACES",+G(DFN),<interface name>,1,0)=line 1 ^TMP("IB",J,"INTERFACES",+G(DFN),<interface name>,2,0)=line 2 etc.
```

Where piece 1 must be an identifier for the selection and the other pieces are other fields returned for the selection. A SELECTION routine must write the data returned to the ^TMP global in the following format.

```
^TMP ("IB",$J,"INTERFACES",<interface name>)^piece1^piece2^piece3...
```

For the DG SELECT CPT PROCEDURE CODES interface, the returned data is in the following format.

```
\label{lem:codes} $$^TMP("IB", J"INTERFACES", "DG SELECT PROCEDURE CODES") = <CPT CODE>^< short name>^< Description>.
```

Step 2 - Add an entry to the PACKAGE INTERFACE file (#357.6). At the "Select a PACKAGE INTERFACE:" and "NAME:" prompts, enter the name of the package interface you are creating. For output type interfaces, i.e., interfaces returning data for data fields, the name must be preceded with the namespace of the package providing the data.

The subsequent prompts you encounter while using this option will vary depending on whether your response to the "SELECT THE TYPE OF PACKAGE INTERFACE TO EDIT:" prompt is "OUTPUT" or "SELECTION". (Please refer to the definitions on the previous page.) Table 1, which follows this introduction, provides a brief overview of the prompts used with this option and possible responses. Also provided is a column which indicates whether the prompt will appear for output routines, selection routines, or both.

When responding to the "Select PROTECTED LOCAL VARIABLES:" and "Select REQUIRED LOCAL VARIABLE:" prompts, it is very important that you consider the following:

- The interface routine will not be called unless all of the required variables are defined.
- It is safe to assume that the following variables are defined. Calling a package interface must leave them defined. They should be left unchanged after leaving the exit action from the package interface.
- DFN = IEN of the patient in the PATIENT file (#2)
- IBCLINIC = IEN of the clinic in the HOSPITAL LOCATION file (#44)
- IBAPPT = Appointment date/time in VA FileMan format

Use of the Edit Package Interface option performs the following actions:

- Checks for required variables
- "News" protected variables
- Does entry action
- Calls the specified entry point
- Does exit action

Table 1 - Prompts used with the Edit Package Interface option

PROMPT	POSSIBLE RESPONSE(S)	OUTPUT, SELECTION, OR BOTH
*SELECT THE TYPE OF PACKAGE INTERFACE TO EDIT:	1, 2, Output, Selection, or up-arrow <^>	Both
*Select a PACKAGE INTERFACE:	<ret>, up-arrow <^>, package interface name</ret>	Both
Are you sure this is the right type of data?:	Yes, No, <ret>, up-arrow <^></ret>	Both
*NAME:	<ret>, up-arrow <^>, name of the interface you are writing, prefixed by the namespace of the package that is providing the data</ret>	Both
DESCRIPTION:	Free text entry of pertinent information. Should advise the user of the data contained/returned. You will be given the opportunity to edit this information before proceeding to the next prompt.	Both
*WHAT FORMAT WILL THE DATA BE IN?:	SINGLE VALUE - A string without pieces. RECORD - A set of strings concatenated together with "^" separating the pieces. LIST OF SINGLE VALUES - An indefinite number of values, each numbered, each containing the same type of information. LIST OF RECORDS - An indefinite number of values, each numbered, each containing the same type of information. WORD PROCESSING - Data in VA FileMan format.	Output only
*LIST OF WORDS TO MAKE LOOK-UPS EASIER:	List of words with which you wish to index the interface.	Both
*CUSTODIAL PACKAGE:	Free text pointer to the PACKAGE file (#9.4).	Both
*ROUTINE:	The routine that should be called.	Both
*ENTRY POINT:	The entry point in the routine that should be called.	Both
*Select PROTECTED LOCAL VARIABLES:	A list of variables that should be "newed" before the entry action or calling the interface.	Both
*Select REQUIRED LOCAL VARIABLE:	A variable that is required input to the interface routine. The interface routine will not be called unless all of the required variables are defined.	Both
*AVAILABLE? (Y/N): YES//	0 NO 1 YES <ret> or up-arrow <^> This field should be set to YES if the interface is available; NO if it is not available. Interfaces that are not available are not called.</ret>	Both
*WHAT IS THE FIRST PIECE OF DATA RETURNED BY THE INTERFACE?:	Free text entry that should be a descriptive name of the first field in the record returned by the interface. This prompt will repeat as second piece, third piece, etc., for up to a maximum of seven pieces.	Both
*WHAT IS ITS MAXIMUM LENGTH?:	The maximum length (number of characters) of the applicable field of the record returned by the interface routine.	Both
*CAN THIS FIELD BE DISPLAYED TO THE USER?: YES//	0 NO 1 YES <ret> or up-arrow <^> If NO, the value cannot be displayed to the encounter form. The first piece is reserved for the unique ID of the selection.</ret>	Selection only
*ARE SELECTIONS EXPORTABLE?: YES//	0 NO 1 YES <ret> or up-arrow <^> Determines whether selections appearing on selection lists that are populated via the package interface will be exported along with the form on which they appear. The Import/Export Utility will not resolve pointers, so if the ID returned by the package interface (piece 1) is a pointer that differs between sites, this field should contain NO.</ret>	Selection only

^{*}Entering an up-arrow <^> will return you to the menu.

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NOTE: Entering <?> or <??> at any prompt will activate on-line help.

Example

You can write your own Package Interfaces to obtain data not available through the Toolkit. Before you do so, however, please consult the technical documentation for the guidelines that must be followed. In particular, you must know where the data should be placed and what format must be used.

Press RETURN to continue... < RET >

OUTPUT interfaces are used to obtain data from other packages that will be displayed to DATA FIELDS.

SELECTION interfaces are used to obtain data from other packages that will be displayed to SELECTION LISTS.

Select one of the following:

```
1 OUTPUT
2 SELECTION
```

SELECT THE TYPE OF PACKAGE INTERFACE TO EDIT: 1// <RET> OUTPUT Select a PACKAGE INTERFACE: DPT NUMBER OF CHILDREN

Are you adding 'DPT NUMBER OF CHILDREN' as a new PACKAGE INTERFACE? Y (Yes)

You must prefix the name with the name space of the package that is providing the data.

NAME: DPT NUMBER OF CHILDREN Replace <RET>
DESCRIPTION:

```
1>For displaying the number of children dependent on the patient.
```

2>

EDIT Option: <RET>

WHAT FORMAT WILL THE DATA BE IN?: ?
What format will the data be in?

Choose from:

- 1 SINGLE VALUE
- 2 RECORD
- 3 LIST OF SINGLE VALUES
- 4 LIST OF RECORDS 5 WORD PROCESSING
- WHAT FORMAT WILL THE DATA BE IN?: 1 SINGLE VALUE

You can enter a list of words with which to index this interface. You will then be able to look up this interface by entering any word on the list. Each word should be at least 3 characters long, and words must be separated by a space.

LIST OF WORDS TO MAKE LOOK-UPS EASIER: CHILDREN DEPENDENTS NUMBER

CUSTODIAL PACKAGE: PATIENT FILE

ROUTINE: IBDFN11

ENTRY POINT: CHILDREN

Select PROTECTED LOCAL VARIABLES: DFN

Are you adding 'DFN' as a new PROTECTED LOCAL VARIABLES (the 1ST for this

PACKAGE INTERFACE)? Y (Yes)

Select PROTECTED LOCAL VARIABLES: <RET>
Select REQUIRED LOCAL VARIABLE: IBCLINIC

Are you adding 'IBCLINIC' as a new REQUIRED LOCAL VARIABLE (the 1ST for this

PACKAGE INTERFACE)? Y (Yes)

Select REQUIRED LOCAL VARIABLE: <RET>

AVAILABLE? (Y/N): Y YES

WHAT IS THE FIRST PIECE OF DATA RETURNED BY THE INTERFACE?: NUMBER OF

DEPENDENT CHILDREN

WHAT IS ITS MAXIMUM LENGTH?: 2

Encounter Form IRM Options Edit Marking Area (for selection lists)

Introduction

This option is locked with the IBDF IRM security key.

This option allows the local sites to add, edit, or delete their own Marking Areas (the areas on a selection list that the user marks to indicate selections from the list, e.g., (), [], {}) to change the look of the form. The option is screened by the TOOL KIT field so users can only add or edit their own Marking Areas.

The following three prompts are used with this option:

"Select MARKING AREA TYPE NAME:"

Your response should describe the Marking Area as it will appear on the form (e.g., "brackets" if { } will appear on the form).

"NAME:"

This prompt allows you to accept, edit, or delete a Marking Area. Your response to the "Select MARKING AREA TYPE NAME:" prompt will appear as a default value. Press <RET> to accept the default. To edit the name of a Marking Area, enter the correct name at this prompt. Enter an at-sign <@> to delete the default value. You will be asked if you are sure you want to delete the Marking Area. A "YES" response will delete the Marking Area and return you to the menu. A "NO" response will cause the prompt to repeat. An up-arrow <^> entered at this prompt will return you to the menu.

"DISPLAY STRING:"

Enter the characters that should be printed on the form, including spaces, up to a maximum of twenty characters. The message, "New marking area created!" will appear on the screen, and you will be returned to the menu. This prompt will not appear if you deleted the Marking Area at the "NAME:" prompt. This prompt requires a response. Pressing <RET> will repeat the prompt until you enter a response. Entering an up-arrow <^> at this prompt will return you to the menu, and will cancel your attempt to create a new Marking Area.

Encounter Form IRM Options Edit Marking Area (for selection lists)

Example

You can create your own MARKING AREAS to supplement those that come with the toolkit. Marking areas are the areas on a selection list that the user marks to indicate selections from the list.

Press RETURN to continue...<RET>

Select MARKING AREA TYPE NAME: SLASHES

Are you adding 'SLASHES' as a new MARKING AREA TYPE? Y (Yes)

NAME: SLASHES// <RET>

Enter the characters that should be printed on the form, including spaces.

DISPLAY STRING: / /

New marking area created!

Introduction

This option is locked with the IBDF IRM security key.

This option allows you to define the reports available through the Print Manager. Reports do not have to be namespaced. Care must be taken when defining reports to the Print Manager. Please follow these rules:

- 1. Entry points must involve no user interaction.
- 2. The device must not be changed or closed.
- 3. Local variables should be the same on exit as on entry.
- 4. Assume that the device is already at the top of the form, so there are no form feeds at the beginning.
- 5. There should be a form feed after the report prints.

The following variables are available, and should not be changed after exit action from the package interface:

- DFN = IEN of the patient in the PATIENT file (#2)
- IBCLINIC = IEN of the clinic in the HOSPITAL LOCATION file (#44)
- IBAPPT = Appointment date/time in VA FileMan format

The following prompts are used with this option:

"Select a report defined to the print manager:" "NAME:"

Your response to both of these prompts should be the name of the package interface. Your response to "Select a report defined to the print manager:" will appear as the default value at the "NAME:" prompt, where you will be able to edit or delete the entry.

"DESCRIPTION:"

This prompt allows you to enter a free text description of the report.

"USER LOOKUP:"

This is the same as the "LIST OF WORDS TO MAKE LOOK-UPS EASIER:" prompt in the Edit Package Interface option. Enter a word or list of words with which you wish to index the package interface to facilitate lookup. Each word should be at least three characters long, and multiple words must be separated by a space. This field is used to create a KWIC index for this file in order to assist the user in locating the package interface that will display a particular item of data to a form.

"CUSTODIAL PACKAGE:"

This is a free text pointer to the PACKAGE file (#9.4).

"ENTRY POINT:"

Your response should be the entry point in the routine that should be called.

"ROUTINE:"

Your response should be the routine that should be called.

"Select PROTECTED LOCAL VARIABLES:"

You can define a list of variables (without subscripts) that should be "newed" before the entry action or calling the interface.

"Select REQUIRED LOCAL VARIABLE:"

You can define a list of variables which are required input to the interface routine. The Print Manager will not call the entry point in the interface routine unless all of the required variables are defined.

"AVAILABLE? (Y/N):"

This field should be set to YES if the interface is available, NO if it is not available. Interfaces that are not available are not called. The Print Manager will not print the report unless this is set to YES.

Example

You can now edit the reports available through the print manager.

Care must be taken when defining reports to the Print Manager. Please Enter RETURN to continue or '^' to exit: <RET>

follow these rules:

- 1) Entry points must involve no user interaction.
- 2) The device must not be changed or closed.
- 3) Local variables should be the same on exit as on entry.

THESE VARIABLES ARE AVAILABLE:

```
DFN = ien of patient in the PATIENT file
IBCLINIC = ien of clinic in the HOSPTIAL LOCATION file
IBAPPT = appointment date/time in FM format
```

FEATURES OF INTEREST, IN THE ORDER PERFORMED BY THE PRINT MANAGER:

AVAILABLE?: The Print Manager will not print the report unless this is set to YES.

REQUIRED VARIABLES: You can define a list of variables that should be defined. The Print Manager won't call the entry point unless they are defined.

Enter RETURN to continue or '^' to exit: <RET>

PROTECTED VARIABLES: You can define a list of variables (without subscripts) that should be NEWed.

ENTRY ACTION: Mumps code that should be Xecuted before calling the entry point.

EXIT ACTION: Mumps code that should be Xecuted after calling the entry point.

EXAMPLE: Supposing the entry point kills DFN. You could do this:

REQUIRED VARIABLE: DFN
PROTECTED VARIABLE: IBDFN
ENTRY ACTION: S IBDFN=DFN
EXIT ACTION: S DFN=IBDFN

Select a report defined to the print manager: ACTION PROFILE - 45 DAYS

ACTION PROFILE - 45 DAYS

TYPE=REPORT

NAME: ACTION PROFILE - 45 DAYS Replace <RET> DESCRIPTION:

1>The Action Profile from Outpatient Pharmacy. The medicine profile is 2>printed for the last 45 days.

EDIT Option: <RET>

USER LOOKUP: OUTPATIENT PHARMACY ACTION PROFILE Replace <RET>

CUSTODIAL PACKAGE: OUTPATIENT PHARMACY// <RET>

ENTRY POINT: RXPROF// <RET>
ROUTINE: IBDFN3// <RET>

ENTRY ACTION: S PSTYPE=1,PSDAYS=45 Replace <RET>

EXIT ACTION: <RET>

Select PROTECTED LOCAL VARIABLES: PSDAYS// <RET>

Select REQUIRED LOCAL VARIABLE: DFN// <RET>

AVAILABLE? (Y/N): YES//<RET>

Introduction

This option is locked with the IBDF IRM security key.

This option allows forms and Tool Kit blocks to be transferred between sites. The initial install of the Encounter Form Utilities at your site included a Tool Kit of forms and blocks that must be imported using this utility. **The only safe method for transferring additional forms and blocks between sites is through this option.**

The Import/Export Utility includes a set of files (#358 through #358.98) that are nearly identical to the files used by AICS (#357 through #357.94) to store form descriptions. These import/export files are a workspace in which forms and blocks can be safely exported to other sites, and imported from other sites to your own.

You should have a package entry for the Import/Export Utility already set up. The files listed should be in the #358 to #358.98 range. The package entry is named IB ENCOUNTER FORM IMP/EXP, and the prefix is IBDE. The package entry is necessary to export.

You should follow these steps when IMPORTING:

- 1. Make sure the other site has prepared a set of inits, using this utility, that contain the forms and Tool Kit blocks they want to transfer.
- 2. Make sure your workspace does not contain any forms or blocks that you want to keep, then clear the workspace using the Clear Work Space action. NOTE: Anything remaining in the workspace will be lost when you use the Clear Work Space action.
- 3. Execute the inits using the Run Inits action. The init should normally be named IBDEINIT.
- 4. The workspace should now contain forms and tool kit blocks from which you can choose which ones you want. Use the IMPORT ENTRY action to actually make the form or block available for use. The forms cannot be viewed while in the workspace, but you can view the IMPORT/EXP NOTES.

(Using the IMPORT ENTRY action copies the form from the 358 series of files at the remote site to the 357 series of files at your site.) You must import each item separately.

5. Change the name of the form or tool kit block if that block already exists at your site.

You should follow these steps when EXPORTING:

NOTE: Only users with PROGRAMMER ACCESS can export.

- 1. Clear the workspace of anything you do not want to export.
- 2. Add any forms or blocks to the workspace that you **do** want to export.
- 3. Add Import/Export Notes for each entry you add to the workspace, accurately describing the form or block for the site to which you are exporting. (The receiving site will be able to view the notes, but they will not be able to view the form itself until they import it.)
- 4. Create the inits that will be sent to the other site using the DIFROM action.
- 5. Send the inits to the other site.

Table 2 - List Manager Actions Used with the Import/Export Utility option

SYNONYM	NAME	DESCRIPTION
HE	Help	Provides on-line instructions for importing and
		exporting.
DE	Delete Entry	Deletes an entry from your workspace.
DI	DIFROM	Calls the VA FileMan utility.
LF	List Forms	Lists forms in the workspace.
AE	Add Entry	Adds an entry to your workspace.
RI	Run Inits	Runs inits obtained from the site that is exporting the
		data.
IE	Import Entry	Imports a form or block to your site from the
		workspace.
VI	View Imp/Exp Notes	Allows you to view descriptions of forms and blocks
		that are in your workspace.
CW	Clear Work Space	Clears your workspace. Any items in the workspace
		when this action is used will be lost.
EI	Edit Imp/Exp Notes	Allows you to edit import/export notes written by you.

Example 1 - Exporting a Form

(** there are also toolkit blocks in the work space **)

FORM NAME USE & BRIEF DESCRIPTION

1 DEFAULTS selection list defaults - DO NOT DELETE

Enter ?? for more actions >>>

HE Help DE Delete Entry DI DIFROM
LB List TK Blocks AE Add Entry RI Run Inits

IE Import Entry VI View Imp/Exp Notes
CW Clear Work Space EI Edit Imp/Exp Notes

Select Action: Quit// AE

Do you want to select a form from the toolkit? YES

Select a FORM: ??

Choose from:

AMBULATORY SURGERY SAMPLE V2.1 scannable form for ambulatory surgery EMERGENCY SERVICES SAMPLE V2.1 scannable form for primary care

PRIMARY CARE SAMPLE V2.1 scannable form for primary care

Select a FORM: PRIMARY CARE SAMPLE V2.1 scannable form for primary care

EXPORT NOTES:

1>Contains CPT codes, Dx codes, demographics, and SOAP.

2>**<RET>**

EDIT Option: <RET>

```
Select Action: Quit// DI
______
You must enter these parameters to the prompts generated by DIFROM:
______
Enter the Name of the Package (2-4 characters): IBDE
I am going to create a routine called 'IBDEINIT'.
but 'IBDEINIT' is ALREADY ON FILE!
Is that OK? YES
Would you like to include Data Dictionaries? YES// <RET> YES
Would you like to see the package definition? NO// <RET> NO
Do you want to accept the current definition? NO// <RET> YES
______
{now DIFROM lists the files.....}
______
Now you must enter the information that goes on the second line
of the INIT routines.
Enter RETURN to continue or '^' to exit: <RET>
Select VERSION: 3.0// <RET>
DATE DISTRIBUTED: AUG 3,1993// TODAY
Would you like to include OPTIONS?
                              YES// NO
Would you like to include BULLETINS? YES// NO
Would you like to include SECURITY KEYS? YES// NO
Would you like to include FUNCTIONS? YES// NO
Would you like to include HELP FRAMES? YES// NO
Would you like security codes sent along: NO// <RET> NO
Would you like this sent via the network: NO// <RET> NO
Maximum Routine Size (2000 - 9999): 4000// <RET> 4000
______
        OKAY, READY TO RUN DIFROM!
______
Enter RETURN to continue or '^' to exit: <RET>
```

* * Please Note * *

DIFROM generates routines in the following format:

nmspInxx
^^^^^^
|||||||
||||| \\- xx is any combination of numbers and
||||| upper case alpha characters.
||||| \--- n is a number 0 - 9 and uppercase letter N.
||||| \--- I is always uppercase letter I.
|||| \--- 2 to 4 characters of package namespace.

Any routines that support the init process should not be in this format.

Enter the Name of the Package (2-4 characters): **IBDE** IB ENCOUNTER FORM IMP/EXP IBDE

I am going to create a routine called 'IBDEINIT'.

Is that OK? YES

Would you like to include Data Dictionaries? YES// <RET>
Would you like to see the package definition? NO// <RET>
Do you want to accept the current definition? NO// YES

```
IMP/EXP ENCOUNTER FORM
IMP/EXP ENCOUNTER FORM BLOCK
IMP/EXP SELECTION LIST
IMP/EXP SELECTION
IMP/EXP SELECTION GROUP
IMP/EXP DATA FIELD
IMP/EXP PACKAGE INTERFACE
IMP/EXP FORM LINE
IMP/EXP TEXT AREA
IMP/EXP MARKING AREA
IMP/EXP HAND PRINT FIELD
IMP/EXP MULTIPLE CHOICE FIELD
IMP/EXP AICS DATA ELEMENTS
IMP/EXP AICS DATA QUALIFIERS
     Now you must enter the information that goes on the second line
     of the INIT routines.
Select VERSION: 3.0// <RET>
  Are you adding '3.0' as a new VERSION (the 3RD for this PACKAGE)? Y (Yes)
   VERSION DATE DISTRIBUTED: 3/24/97 (MAR 24, 1997)
 DATE DISTRIBUTED: MAR 24,1997// <RET>
Would you like to include OPTIONS? YES// NO Would you like to include BULLETINS? YES// NO
Would you like to include SECURITY KEYS? YES// NO
Would you like to include FUNCTIONS? YES// NO
Would you like to include HELP FRAMES? YES// NO
Would you like security codes sent along: NO// <RET>
Maximum Routine Size (2000 - 9999) : 5000//<RET>
...SORRY, HOLD ON...
Moving IB ENCOUNTER FORM IMP/EXP Entry into Init's.....
IBDEI001 HAS BEEN FILED...
IBDEI002 HAS BEEN FILED.....
```

```
IBDEI003 HAS BEEN FILED...
IBDEI004 HAS BEEN FILED.....
IBDEI005 HAS BEEN FILED...
IBDEI006 HAS BEEN FILED.....
IBDEI007 HAS BEEN FILED...
IBDEI008 HAS BEEN FILED...
IBDEI009 HAS BEEN FILED...
IBDEI00A HAS BEEN FILED...
IBDEI00B HAS BEEN FILED...
IBDEIOOC HAS BEEN FILED...
IBDEI00D HAS BEEN FILED...
IBDEI00E HAS BEEN FILED...
IBDEIOOF HAS BEEN FILED...
IBDEIOOG HAS BEEN FILED.....
IBDEI00H HAS BEEN FILED...
IBDEI001 HAS BEEN FILED.....
IBDEI00J HAS BEEN FILED...
IBDEIOOK HAS BEEN FILED.....
IBDEIOOL HAS BEEN FILED...
IBDEIOOM HAS BEEN FILED...
IBDEIOON HAS BEEN FILED...
IBDEI000 HAS BEEN FILED...
IBDEI00P HAS BEEN FILED...
IBDEI00Q HAS BEEN FILED...
IBDEI00R HAS BEEN FILED...
IBDEIOOS HAS BEEN FILED.....
IBDEI00T HAS BEEN FILED...
IBDEI00U HAS BEEN FILED.....
IBDEI00V HAS BEEN FILED...
IBDEIOOW HAS BEEN FILED.....
IBDEI00X HAS BEEN FILED...
IBDEI00Y HAS BEEN FILED.....
IBDEI00Z HAS BEEN FILED...
IBDEI010 HAS BEEN FILED.....
IBDEI011 HAS BEEN FILED...
IBDEI012 HAS BEEN FILED.....
IBDEI013 HAS BEEN FILED...
IBDEI014 HAS BEEN FILED.....
IBDEI015 HAS BEEN FILED...
IBDEI016 HAS BEEN FILED.....
IBDEINI1 HAS BEEN FILED...
IBDEINI2 HAS BEEN FILED...
IBDEINI3 HAS BEEN FILED...
IBDEINI4 HAS BEEN FILED...
IBDEINI5 HAS BEEN FILED...
IBDEINIT HAS BEEN FILED...
IBDEINIS HAS BEEN FILED...
******
```

Example 2 - Importing a Form

Select Action: Quit// RI Run Inits The work space must be cleared before the INITS are run. Is that okay? Enter Yes or No: YES What is the name of the init routine that contains the forms that you want to import? IBDEINIT// <ret></ret>

First the files contained in the inits will be listed. THEN You must enter these parameters to the prompts generated by INITS:

SHALL I WRITE OVER FILE SECURITY CODES? NO// <ret> NO ARE YOU SURE EVERYTHING'S OK? NO// YES</ret>

Now to execute the inits!

Enter RETURN to continue or '^' to exit: <ret></ret>

This version (#2.1V1) of 'IBDEINIT' was created on 07-MAR-1997 (at ISC-ALBANY DEMO TEXT RET V.1, by VA FileMan V.21.0)

I HAVE TO RUN AN ENVIRONMENT CHECK ROUTINE.

Initialization Started: MAR 07, 1997@11:07:33

I AM GOING TO SET UP THE FOLLOWING FILES:

- 358 IMP/EXP ENCOUNTER FORM (Partial Definition) (including data) Note: You already have the 'IMP/EXP ENCOUNTER FORM' File. I will OVERWRITE your data with mine.
- 358.1 IMP/EXP ENCOUNTER FORM BLOCK (Partial Definition) (including data) Note: You already have the 'IMP/EXP ENCOUNTER FORM BLOCK' File. I will OVERWRITE your data with mine.
- 358.2 IMP/EXP SELECTION LIST (Partial Definition) (including data) Note: You already have the 'IMP/EXP SELECTION LIST' File. I will OVERWRITE your data with mine.
- 358.3 IMP/EXP SELECTION (Partial Definition) (including data) Note: You already have the 'IMP/EXP SELECTION' File. I will OVERWRITE your data with mine.
- 358.4 IMP/EXP SELECTION GROUP (Partial Definition) (including data) Note: You already have the 'IMP/EXP SELECTION GROUP' File. I will OVERWRITE your data with mine.
- 358.5 IMP/EXP DATA FIELD (Partial Definition) (including data) Note: You already have the 'IMP/EXP DATA FIELD' File. I will OVERWRITE your data with mine.
- 358.6 IMP/EXP PACKAGE INTERFACE (Partial Definition) (including data) Note: You already have the 'IMP/EXP PACKAGE INTERFACE' File. I will OVERWRITE your data with mine.

- 358.7 IMP/EXP FORM LINE (Partial Definition) (including data) Note: You already have the 'IMP/EXP FORM LINE' File. I will OVERWRITE your data with mine.
- 358.8 IMP/EXP TEXT AREA (Partial Definition) (including data) Note: You already have the 'IMP/EXP TEXT AREA' File. I will OVERWRITE your data with mine.
- 358.91 IMP/EXP MARKING AREA (Partial Definition) (including data) Note: You already have the 'IMP/EXP MARKING AREA' File. I will OVERWRITE your data with mine.
- 358.93 IMP/EXP MULTIPLE CHOICE FIELD (Partial Definition) (including data)
- Note: You already have the 'IMP/EXP MULTIPLE CHOICE FIELD' File. I will OVERWRITE your data with mine.
- 358.94 IMP/EXP HAND PRINT FIELD (Partial Definition) (including data) Note: You already have the 'IMP/EXP HAND PRINT FIELD' File. I will OVERWRITE your data with mine.
- 358.98 IMP/EXP AICS DATA QUALIFIERS (Partial Definition) (including data)
- Note: You already have the 'IMP/EXP AICS DATA QUALIFIERS' File. I will OVERWRITE your data with mine.
- 358.99 IMP/EXP AICS DATA ELEMENTS (Partial Definition) (including data) Note: You already have the 'IMP/EXP AICS DATA ELEMENTS' File. I will OVERWRITE your data with mine.
- SHALL I WRITE OVER FILE SECURITY CODES? No// <RET> (No)

ARE YOU SURE EVERYTHING'S OK? No// Y (Yes)

...HMMM, JUST A MOMENT PLEASE.....

OK, I'M DONE.

NO SECURITY-CODE PROTECTION HAS BEEN MADE

LIST OF FORMS READY FOR IMPORT OR EXPORT

(** there are also toolkit blocks in the work space **)

	FORM NAME	USE & BRIEF DESCRIPTION
1	DEFAULTS	selection list defaults - DO NOT DELETE
2	PRIMARY CARE SAMPLE V2.1	scannable form for primary care

	Enter ?? for	more a	ctions			>>>
HE	Help	DE	Delete Entry	DI	DIFROM	
LB	List TK Blocks	AE	Add Entry	RI	Run Inits	
ΙE	Import Entry	VI	View Imp/Exp Notes			
CW	Clear Work Space	ΕI	Edit Imp/Exp Notes			
Sel	ect Action: Quit//					

 $\frac{ \text{Import/Export Work Space} \quad \text{Mar 07, 1997 11:08:24} \quad \text{Page:} \quad 1 \text{ of} \quad 1}{ \text{LIST OF FORMS READY FOR IMPORT OR EXPORT}}$

(** there are no toolkit blocks in the work space **)

	FORM NAME	USE & BRIEF DESCRIPTION
1	PRIMARY CARE SAMPLE V2.1	scannable form for primary care

	Enter ?? for	more a	ctions			>>>
HE	Help	DE	Delete Entry	DI	DIFROM	
LB	List TK Blocks	AE	Add Entry	RI	Run Inits	
ΙE	Import Entry	VI	View Imp/Exp Notes			
CW	Clear Work Space	ΕI	Edit Imp/Exp Notes			
Sel	ect Action: Ouit// I	IE=1	Import Entry			

Select Action: Quit// IE=1 Import Entry
New Form Name: PRIMARY CARE SAMPLE V2.1 Replace <RET>
SHOULD THIS FORM BE PART OF THE TOOKIT?: YES// <RET>

Encounter Form IRM Options Recompile All Forms

Introduction

This option is locked with the IBDF IRM security key.

This option is used to recompile all forms. The compiled version of every form and block is deleted. Each form is recompiled the first time it is printed.

Encounter Form IRM Options Miscellaneous Cleanup

Introduction

This option is locked with the IBDF IRM security key.

This option deletes various data structures that are no longer in use. Because AICS was designed to automatically delete all data structures when no longer needed, this option is a backup that should rarely be needed. Currently, the option deletes the compiled version of forms where the form itself no longer exists. It also deletes blocks that do not belong to any form.

When you use this option, the cleanup is performed, a message similar to the following appears on the screen, and you automatically return to the menu.

Blocks not belonging to any form have been deleted Extraneous cross-references on non-existent forms have been deleted

Encounter Form IRM Options Device Edit

Introduction

This option is locked with the IBDF IRM security key.

This option allows editing of the Encounter Form Printers file. You can specify whether or not a terminal type is PCL5 compatible and the proper escape sequences for simplex and duplex. Only PCL5 compatible printers can print scannable encounter forms, and must be so indicated. Most HP laser printers are PCL5 compatible.

```
Add/Edit Encounter Form Printers Terminal Type

Select ENCOUNTER FORM PRINTERS TERMINAL TYPE: P-HPLASER/16/8/UP/DUPLEX
        Laser Jet with 16.66 pitch and 8 lines per inch (Upright)
        ...OK? Yes// <RET> (Yes)

TERMINAL TYPE: P-HPLASER/16/8/UP/DUPLEX// <RET>
PRINTER LANGUAGE TYPE: PCL5// <RET>
SIMPLEX: $C(27)_"&10S"// <RET>
DUPLEX, LONG-EDGE BINDING: $C(27)_"&11S"// <RET>
DUPLEX, SHORT-EDGE BINDING: $C(27)_"&12S"// <RET>

Select ENCOUNTER FORM PRINTERS TERMINAL TYPE:
```

Encounter Form IRM Options Purge Form Tracking files

Introduction

This option is locked with the IBDF IRM security key.

This option purges old data from the ENCOUNTER FORM TRACKING file (357.96), the ENCOUNTER FORM DEFINITION file (357.95), and the FORM SPECIFICATION file (359.2). It should be queued to run at the site's convenience. The IBDF AUTO PURGE FORM TRACKING option should be used to automatically queue this option to run on a recurring basis.

The option needs no device and has no output.

```
Do you want to purge Form Tracking?
Enter Yes or No: YES

This is a required response. Enter '^' to exit
Enter Yes or No: NO

Number of Days to Retain: (60-999): 60// 100

Select one of the following:

0 None
1 Purge Completed Entries
2 Purge All Entries

Purge what Entries: 1// 2 Purge All Entries

Requested Start Time: NOW// <RET> (MAR 06, 1997@08:50:19)
Requested Queued Task+236109
```

Reports and Utilities Form Components

Introduction

This option allows you to view form and block components such as starting row, block height and width, block name and contents, and subcolumn information for selection lists.

Form Components		Mar 07,	1997	13:07:47	Page	:	1 of	4
Form Name:	PRIMARY CARE2	SAMPLE	V2.1	F	ORM ID #:			
Status:	Uncompiled				Toolkit:	Yes		
Scannable:	Yes				Use ICR:	Yes		
Simplex/Duplex:	Duplex Short-	Edge			# Pages:	2		
-								
1) PATIENT INFO	ORMATION (V2.1)						
Starting Row:	2			Startin	g Column:	1		
Block Width:	63			Bloc	k Height:	21		
2) HEADER								
Starting Row:	2			Startin	g Column:	90		
Block Width:	12			Bloc	k Height:	1		
3) APPOINTMENT								
Starting Row:	6			Startin	g Column:	68		
Block Width:	66			Bloc	k Height:	5		
4) FUTURE APPT	S (V2.1)							
+ Enter	?? for more a	ctions						
EX Expand Item	BC	Block (Compone	ents				
Select Action: I	Next Screen//							

Reports and Utilities Edit Site Parameters

Introduction

This option is locked with the IBDF IRM security key.

The FILL % FOR BUBBLES and BACKGROUND % FOR BUBBLES fields are asked only if you hold the IBD MANAGER key.

This option allows editing of AICS site parameters that affect the printing of forms, manual data entry, the purge utility and scanning.

Following are the parameters with a brief description. A double question mark (??) entered at any prompt provides a complete description of that parameter.

Form Tracking Purge Parameters

RECORDS TO PURGE - whether you want the background purge option to purge *all records*, *completed records*, or *no records* older than the number of days specified in the FORM TRACKING RETENTION DAYS field.

FORM TRACKING RETENTION DAYS - the number of days to retain form tracking information after it is no longer used.

PURGE NOTIFICATION MAIL GROUP - the mail group automatically notified of purge results. Results are also stored in the AICS PURGE LOG file and may be reviewed. Mail notification is not required.

Data Entry Parameters

DEFAULT DATA ENTRY FORM - the form to be used as the default form for doing data entry when no form exists for a clinic. If no form is defined, the Primary Care Sample form exported with AICS 2.1 will be used as the default form.

Reports and Utilities Edit Site Parameters

MAKE APPOINTMENT IN DATA ENTRY - whether you want users at your site to be prompted to make a follow up appointment during data entry of an encounter form.

PASS DATA TO PCE - how data captured in the AICS EF Data Entry Options should be passed to PCE. (Enter a double question mark at the prompt for a list of choices with complete descriptions.)

Print Parameters

PRINT FORMS FOR INPATIENTS - whether you would like to suppress printing of encounter forms for inpatients. If left blank, Encounter Forms for inpatients will print.

DAYS TO PRINT 1010F - the number of days between the expiration of a Means Test and the appointment date before that you want to print 1010Fs for. For example, if this field is set to 30, then 1010Fs will print for Means Tests that are due to expire within 30 days of the appointment.

Scanning Parameters

FILL % FOR BUBBLES - a number between 0 and 99 that represents the percentage of fill required for a bubble to be considered as checked. Entering a zero will leave the determination up to Paper Keyboard. If this field is left blank, AICS will use 20% as the amount of fill required.

This field corresponds to the Threshold % field in the Metric dialog box in Paper Keyboard. The value of this field should always be more than the value for the BACKGROUND % FOR BUBBLES field.

Modifying this field will affect only new files, and will not affect any existing form specification files. To modify an existing form specification file, it must be deleted from the workstation and the corresponding entry in file 359.2 must be deleted. This field is asked only if you hold the IBD MANAGER key.

BACKGROUND % FOR BUBBLES - a number between 0 and 99 that represents the percentage of background fill in a bubble that can exist before Paper Keyboard will consider any markings in the bubble. If this field is left blank then AICS will use 5%. Entering a zero leaves the determination up to Paper Keyboard.

Reports and Utilities Edit Site Parameters

This field corresponds to the Background % field in the Metric dialog box. Entering a small value prevents small dots on the page from appearing as check marks. The value of this field should always be less than the value for the FILL % FOR BUBBLES field.

Modifying this field will affect only new files, and will not affect any existing form specification files. To modify an existing form specification file, it must be deleted from the workstation and the corresponding entry in file 359.2 must be deleted. This field is asked only if you hold the IBD MANAGER key.

STOP DEFAULTING C/O DATE/TIME - if there is no checkout date/time on the encounter form, the scan date/time is automatically entered by default as the checkout date/time. YES must be entered in this field to stop the automatic default.

Example

```
Edit AICS Site Parameters
Form Tracking Purge Parameters
RECORDS TO PURGE: COMPLETED// <RET>
FORM TRACKING RETENTION DAYS: 60// <RET>
PURGE NOTIFICATION MAIL GROUP: <RET>
Data Entry Parameters
DEFAULT DATA ENTRY FORM: PRIMARY CARE// <RET>
MAKE APPOINTMENT IN DATA ENTRY: YES// <RET>
PASS DATA TO PCE: FOREGROUND/WITH DISPLAY// <RET>
Print Parameters
PRINT FORMS FOR INPATIENTS: YES// <RET>
DAYS TO PRINT 1010F: 30// <RET>
Scanning Parameters
FILL % FOR BUBBLES: 20
BACKGROUND % FOR BUBBLES: 5
STOP DEFAULTING C/O DATE/TIME: YES// <RET>
```

Reports and Utilities Scanning Error Listing

Introduction

During scanning, errors reported by AICS or PCE are stored in the AICS ERROR & WARNING LOG file. This report allows you to print a list of the errors so that the encounter forms can be retrieved and the data validated.

This report prints at 132 columns.

Example

AICS UNCORRECTED SCAN	NING ERROR LIS	ST		FORM			MAR 7,1997 13:23 PAGE 1
PATIENT	ID	APPOINTMENT	DATE	TRACKING ID		USER	ERROR MESSAGE
AICSPATIENT, ONE	000-45-6789	APR 17,1997	08:00		AICS	AICSUSER, ONE	SCANNING ERROR: AICS was passed a Form ID of "841," and this entry does not exist in the Form Tracking file. No other information about the form was available. No data was passed to PCE. Error Code 3579605. SCANNING ERROR: PCE Returned the following Errors and Warnings for
							Form ID: 33029. PCE ERROR ICD9 Code not in file 80 - 438. PCE ERROR: User is not in File 200 - 0 PCE WARNING: There is already a
							Primary Diagnosis this one is changed to Secondary - P PCE WARNING: There are "PXKERROR"s in in the "PCE DEVICE INTERFACE MODULE ERRORS" file in entry number - 94

70

Reports and Utilities Forms Tracking

Introduction

Two new actions have been added. Delete Entry allows a forms tracking entry to be deleted. Rel Forms w/Lost Pages allows you to pass a Forms Tracking entry to PCE when the remainder of the pages have been lost.

The IBD MANAGER key is required to use the new action, RF Rel Forms w/Lost Pages.

This option now also sorts by clinic group.

The Status Report now lists by date order within clinics.

The Statistics Report now includes the number and percentage of forms entered through manual data entry (DE); and number and percentage sent to PCE.

New statuses have been added (see below).

This report is now queuable to a printer.

This option allows you to display encounter forms sorted by clinic, patient, or clinic group for a specified division(s), clinic group(s) and date range. The Change List action, found on the Form Tracking Status Report screen, allows you to re-enter this information without exiting the option.

The Form Tracking Status Report, shows the date the form was printed and scanned (if applicable), and the status.

The Statistics Report shows statistical information such as the number and percentage of forms printed, entered through manual data entry, and scanned for each clinic.

The Status Select Report allows you to display forms with a specific status(es).

Reports and Utilities Forms Tracking

Example

Following are the possible statuses.

ALL
PRINTED
SCANNED
SCANNED TO PCE
SCANNED W/PCE ERROR
DATA ENTRY
DATA ENTRY TO PCE
DATA ENTRY W/PCE ERROR
PENDING PAGES
ERRORS DETECTED, NOT TRANSMITTED

Form Tracking Main Screen

		Mar 07, 1997 13:3			
Encounter for	ms - printed; sca	nned (to PCE, w/I	ERrors); pe	ending pages	5 <i>i</i>
data entry (t	o PCE, w/ERrors);	error detected, n	not transmi	.tted; not p	orinted.
FORM ID	APPT. D/T	PATIENT/CLINIC	PRINTED	SCANNED	STATUS
		ALBANY			
CARDIOLOGY					
1) 78	01/08/97 09:00	AICSpatient,One	01/08/97	01/24/97	Pend Pgs
2) 79	01/08/97 11:30	AICSpatient, Two	01/08/97	02/27/97	Pend Pgs
3) 33002	02/10/97 14:46	AICSpatient, Two	02/10/97	02/10/97	De W/Er
4) 33005	02/19/97 13:00	AICSpatient, Two	02/26/97	02/26/97	Scanned
•		<u>.</u>			
ORTHOPEDIC					
5) 80	01/08/97 13:00	AICSpatient, Two	01/08/97		Printed
-,	- , ,		- , ,		
		mp O37			

TROY

+	Enter ??	for more a	ctions			>>>
SA	Statistics	PL	Print List	DL	Delete Entry	
SS	Status Select	CL	Change List			
Sel	ect Action: Next	Screen//				

Reports and Utilities Forms Tracking

$Statistics\ Report$

Statistics Report		Mar 07	, 1997	13:34:47		Page:	1 of	1
Statistical data for	the da	te range	of NOV	27,1996	to MAR	7,1997		
CLINIC/PATIENT	TOTAL	#PRNT	%PRNTD	#DE	%DE	#SCND	%SCND	#PCE
ALBANY								
Dermatology	4	4	100	0	0	1	25	0
Orthopedic	1	1	100	0	0	0	0	0
TROY								
Ophthalmology	7	6	85.71	0	0	0	0	0
Cardiology	4	3	75	0	0	0	0	0
Enter ?? f	or more	actions						>>>

PL Print List

Select Action: Quit//

$Status\ Report$

Status Select	Report M	ar 07, 1997 13:36	5:58	Page:	1	of 2
Encounter forms with selected status for the date range of						
NOV 27,1996 to MAR 7,1997						
FORM ID	APPT. D/T	PATIENT/CLINIC	PRINTED	SCANNED		STATUS
		ALBANY				
CARDIOLOGY						
1) 78	01/08/97 09:00	AICSpatient,One	01/08/97	01/24/97		Pendng
2) 79	01/08/97 11:30	AICSpatient, Two		02/27/97		Pendng
3) 33002	02/10/97 14:46	AICSpatient, Two	02/10/97	02/10/97		De/Er
4) 33005	02/19/97 13:00	AICSpatient, Two	02/26/97	02/26/97		Scannd
ORTHOPEDIC	01 /00 /00 10 10 00		01 /00 /00			
5) 80	01/08/97 13:00	AICSpatient, Two	01/08/97			Printed
TROY						

+ Enter ?? for more actions

PL Print List Select Action: Next Screen//

Reports and Utilities List Clinics Using Forms

Introduction

This option provides a list, by division, of encounter forms and the clinics using each form. It can be used to identify what clinics might be sharing a form, as well as to determine when a form is not being used.

Example

List of Encounter Forms and the For Division: ALBANY FORM NAME FORM USAGE	ir Use by Clinics Mar 07,	DIVISION
Division: ALBANY 32X-DENTAL Basic Form Basic Form	DENTAL CARDIOLOGY	ALBANY
BILOXI.AICS Form w/o Patient Data Form w/o Patient Data	DERMATOLOGY CARDIOLOGY	ALBANY
BILOXI.AICS II Supplmntl form - Established Pt	DERMATOLOGY	ALBANY
BILOXI.AICS III Reserved	DERMATOLOGY	ALBANY
GITEST Basic Form	GI	ALBANY
PRIMARY CARE Basic Form Basic Form	GEN MED ORTHOPEDIC	ALBANY
Enter RETURN to continue or '^'	to exit: <ret></ret>	
List of Encounter Forms and the For Division: FORMS NOT IN USE FORM NAME FORM USAGE	CLINIC	DIVISION
CNV.32X-DENTAL GENERAL MED GENERAL MEDICINE INFECTIOUS DIS CLIN NEW NAME	** NOT IN USE ** ** NOT IN USE **	

Reports and Utilities Maintenance Utility for Active/Inactive Codes

Introduction

Note: With functionality put in place by the Code Set Versioning project, the date and time that this report is run will determine whether codes are considered active or inactive.

Now allows you to list active CPT, ICD9, and Visit codes that appear on encounter forms.

This option allows you to display a list of invalid ICD9, CPT and VISIT codes that appear on encounter forms. You can display a selected type of code by individual clinic(s), clinic group(s), or encounter form(s). The Change List action allows you to re-enter this information without exiting the option.

Other actions allow you to display a complete list of all invalid ICD9, CPT, and VISIT codes; and replace or delete invalid codes from the forms.

The Jump action allows you to jump to any clinic/group/form on the Maintenance Utility screen.

Example

```
Sort by [C]linics, [G]roups, [F]orms: (C/G/F): CLINICS// <RET> (Individual) Select Clinic: ALL// <RET>
Select Type of Code to Display: ICD DG SELECT ICD-9 DIAGNOSIS CODES
DG SELECT ICD-9 DIAGNOSIS CODES TYPE=SELECTION
Display codes [A]ctive, [I]nactive: (A/I): ACTIVE// <RET>
Select ICD-9 code: 427.5 CARDIAC ARREST COMPLICATION/COMORBIDITY Select another ICD-9 code: <RET>
```

Reports and Utilities Maintenance Utility for Active/Inactive Codes

Replace Code

Subcolumn Header:

Edit Subcolumn 3: MORBID OBESITY// <RET>

NARRATIVE TO SEND TO PCE: ??

Enter the narrative that should be sent to PCE when this selection is scanned. This will be the provider narrative that is shown in PCE and Problem List. If there is no entry in this field the text as it appears on the form will be sent as the narrative.

This field can only be entered for the type of interfaces that allow adding this narrative, and then send the narrative to PCE.

NARRATIVE TO SEND TO PCE:

Invalid Code List

Complete Invalid List Mar 07, 1997 13:46:31 Page: 1 of 267 This screen displays the most current invalid codes for the CPT file.

CODE	DESCRIPTION	CATEGORY	
	Allergy And Cl	inical Immu	
1) 95000	Allergy Skin Tests,	Allergy And Clinical	
2) 95001	Allergy Skin Tests,	Allergy And Clinical	
3) 95002	Allergy Skin Tests,	Allergy And Clinical	
4) 95003	Allergy Skin Tests,	Allergy And Clinical	
5) 95005	Sensitivity Skin Tes	Allergy And Clinical	
6) 95006	Sensitivity Skin Tes	Allergy And Clinical	
7) 95007	Sensitivity Skin Tes	Allergy And Clinical	
8) 95011	Sensitivity Skin Tes	Allergy And Clinical	
9) 95014	Sensitivity Skin Tes	Allergy And Clinical	
10) 95016	Sensitivity Skin Tes	Allergy And Clinical	
11) 95017	Sensitivity Skin Tes	Allergy And Clinical	
+ Enter	?? for more actions		

JP Jump

Select Action: Next Screen//

Reports and Utilities Maintenance Utility for Active/Inactive Codes

Ecq Monitor/Report,

Enter ?? for more actions

Ecg Monitor/Report,

Jump

Complete Invalid List Mar 07, 1997 13:50:03 Page: This screen displays the most current invalid codes for the CPT file. CODE DESCRIPTION CATEGORY Cardiovascular 50) 93045 Special Electrocardi Cardiovascular 51) 93240 Ballistocardiogram Cardiovascular 52) 93255 Cardiovascular Apexcardiography Ecg Monitor/Report, Cardiovascular 53) 93258 54) 93259 Cardiovascular Ecg Monitor/Report, 55) 93262 Cardiovascular Ecg Monitor/Report, 56) 93263 Ecg Monitor/Report, Cardiovascular 57) 93266 Ecg Monitor/Record, Cardiovascular 58) 93269 Ecg Monitor/Record Cardiovascular 59) 93273

Cardiovascular

Cardiovascular

JP Jump

60) 93274

Select Action: Next Screen//

Reports and Utilities Clinics With No Encounter Forms

Introduction

This report lists, by division, all clinics that do not have encounter forms assigned to them. Division counts are provided.

Example

List of Clinics Without Enfor Division: TROY	ncounter Forms	Mar 07, 1997@14:16:48	PAGE 1
CLINICS	SERVICE	COMMENT	
Division: TROY			
PULMONARY	MEDICINE		
PULMONARY FUNCTION	MEDICINE		
RENAL-I	MEDICINE		
RENAL-II	MEDICINE		
RES/MED	MEDICINE		

MEDICINE

______ Division Count = 6

RHEUMATOLOGY

Reports and Utilities Print Sample of all Forms

Introduction

This option prints one copy of each form currently in use. It could be used to prepare a package of materials for review, or to share with other facilities.

This could be lengthy depending on the number of forms. It is also important to remember encounter forms require a page size of 80 lines and 132 columns.

Instead of printing the patient name and SSN at the bottom of the form, this option will print the form name and clinic. Care needs to be exercised in distributing forms with patient identifiers that appear on other areas of the form.

Reports and Utilities Print Sample of all Forms

Example

DARLENIE INFORMATION	1	Primary Care
PATIENT INFORMATION		
Patient Name: AICSPATIENT,ONE		
DOB: JUL 7,1950 PID: 000-45-6789 Sex: M Eligibility: NSC	+	PPOINTMENT INFORMATION
Means Test Cat: N	Clinic: BONI	
Address: Telephone:399-0000	Appt. DT/Time: FEB	
SCREEN 1 ADDRESS	+	
LSKDJFLKJSD, CALIFORNIA 90062		FUTURE APPOINTMENTS
ACTIVE INSURANCE POLICIES ACTIVE INSURANCE POLICIES 9029 INS #	ļ	
AETNA 9029 INS # GHI DSFKLJFSDJKL		i
GHI POIREWP	İ	
Marital Status: DIVORCED	ļ	
Employer: EMPLOYER NAME Spouse's Emp:	l l	
Spoule B Emp.	+	·
++ VITALS	+	PATIENT ALLERGIES *****
VIIALS		TYPE VERIFIED
Blood Press.: /		
systolic/diastolic		
Weight: .		
lbs		
·		+
SERVICE CONNECTED CONDITIONS		CHECKOUT
Service Connected Percentage: AO: NO IR:	NO POW: NO EC: NO	No-show []
		No-show [] Cancel []
		Rescheduled []
		Checkout:
		hhmm
Was the visit related to: SC [] AO [] EC [] IR []		
+		+
TYPE OF VISIT		PROVIDER
 NEW PATIENT ESTABLISHED PATIENT	CONSULTATIONS	
Brief Visit [] Brief Exam [] B	rief Visit []	#1 [] HYPHEN-NAME, PROVIDER
Limited Exam	imited Visit []	
Brief Visit [] Brief Exam [] Brief Exam [] Limited Exam [] Extended Exam [] Extended Exam [] Comporehensive Exam Comporehensive Ex	ntermediate Visit []	
Comprehensive Exam [] Comprehensive Exam [] C	rtended Visit	
	ktended Visit [] omprehensive Visit []	[]
	ktended Visit [] omprehensive Visit []	
+ - - - -	OCEDIRES	
PR	OCEDURES	[] Pneumococcal (V03.82) 9073
PR	OCEDURES sion of cast 29799 ted ear wax 69210	[] Pneumococcal (V03.82) 9073 [] PPD skin test 8658
PR [] Acne Surgery 10040 [] Removal/revi [] Application of Paste Boot 29580 [] Remove impac [] Assay quantitative glucose 82947 [] Spirometry	DCEDURES sion of cast 29799 ced ear wax 69210 94010	[] Pneumococcal (V03.82) 9073 [] PPD skin test 8658 [] Testosterone 100/200 mg 8440
PR [] Acne Surgery	DCEDURES sion of cast 29799 ted ear wax 69210 94010 al test 86580	[] Pneumococcal (V03.82) 9073 [] PPD skin test 8658 [] Testosterone 100/200 mg 8440 [] Tetanus/Diptheria (V03.7) 9072 [] Toadol J188
PR	DOCEDURES sion of cast 29799 ced ear wax 69210 94010 al test 86580 mming 11750	[] Pneumococcal (V03.82) 9073 [] PPD skin test 8658 [] Testosterone 100/200 mg 8440 [] Tetanus/Diptheria (V03.7) 9072
PR [] Acne Surgery	CCEDURES sion of cast 29799 ced ear wax 69210 94010 al test 86580 mming 11750 izations:	[] Pneumococcal (V03.82) 9073 [] PPD skin test 8658 [] Testosterone 100/200 mg 8440 [] Tetanus/Diptheria (V03.7) 9072 [] Toadol J188
Removal/revi PR	DOCEDURES sion of cast 29799 ced ear wax 69210 94010 al test 86580 mming 11750 izations: 90788 J1100	[] Pneumococcal (V03.82) 9073 [] PPD skin test 8658 [] Testosterone 100/200 mg 8440 [] Tetanus/Diptheria (V03.7) 9072 [] Toadol J188
	DCEDURES sion of cast 29799 ced ear wax 69210 94010 al test 86580 mming 11750 izations: 90788 J1100 99731	[] Pneumococcal (V03.82) 9073 [] PPD skin test 8658 [] Testosterone 100/200 mg 8440 [] Tetanus/Diptheria (V03.7) 9072 [] Toadol J188
PR	DOCEDURES sion of cast 29799 ted ear wax 69210 al test 86580 mming 11750 izations: 90788 J1100 90731 04.8) 90724	[] Pneumococcal (V03.82) 9073 [] PPD skin test 8658 [] Testosterone 100/200 mg 8440 [] Tetanus/Diptheria (V03.7) 9072 [] Toadol J188
PR	DOCEDURES sion of cast 29799 ced ear wax 69210 glal test 86580 mming 11750 izations: 90788 J1100 90731 04.8) 90724 bursa 20600	[] Pneumococcal (V03.82) 9073 [] PPD skin test 8658 [] Testosterone 100/200 mg 8440 [] Tetanus/Diptheria (V03.7) 9072 [] Toadol J188
Removal/revi Removal/revi Removal/revi Removal/revi Application of Paste Boot Remove impac Removal/revi Removal/revi Remove impac Removal/revi Remove impac Removal/revi Removal/revi Removal/revi Removal/revi Temoval/revi Temoval/revi Temoval/revi Temoval/revi Temoval/revi Removal/revi Removal/revi Temoval/revi Removal/revi Removal/revi Removal/revi Removal/revi Temoval/revi Removal/revi Removal/revi Temoval/revi Removal/revi Removal/revi Temoval/revi Removal/revi Temoval/revi Removal/revi Temoval/revi Removal/revi Temoval/revi Temoval/revi Removal/revi Temoval/revi Temoval/revi Temoval/revi Temoval/revi Removal/revi Temoval/revi Temova	DCEDURES sion of cast 29799 ted ear wax 69210 al test 86580 mming 11750 izations: 90788 J1100 90731 04.8) 90724 pursa 20600 //bursa 20600	[] Pneumococcal (V03.82) 9073 [] PPD skin test 8658 [] Testosterone 100/200 mg 8440 [] Tetanus/Diptheria (V03.7) 9072 [] Toadol J188
Removal/revi Removal/revi Removal/revi Removal/revi Application of Paste Boot Remove impac Removal/revi Remove impac Remove impact Rem	DCEDURES sion of cast 29799 ted ear wax 69210 al test 86580 mming 11750 izations: 90788 J1100 90731 04.8) 90724 pursa 20600 //bursa 20600	[] Pneumococcal (V03.82) 9073 [] PPD skin test 8658 [] Testosterone 100/200 mg 8440 [] Tetanus/Diptheria (V03.7) 9072 [] Toadol J188 [] Vitamin B-12 9078
[] Acne Surgery	DCEDURES sion of cast 29799 ted ear wax 69210 al test 86580 mming 11750 izations: 90788 J1100 90731 04.8) 90724 pursa 20600 //bursa 20600	[] Pneumococcal (V03.82) 9073 [] PPD skin test 8658 [] Testosterone 100/200 mg 8440 [] Tetanus/Diptheria (V03.7) 9072 [] Toadol J188
[] Acne Surgery	DCEDURES sion of cast 29799 ted ear wax 69210 al test 86580 mming 11750 izations: 90788 J1100 90731 04.8) 90724 pursa 20600 //bursa 20600	[] Pneumococcal (V03.82) 9073 [] PPD skin test 8658 [] Testosterone 100/200 mg 8440 [] Tetanus/Diptheria (V03.7) 9072 [] Toadol J188 [] Vitamin B-12 9078
[] Acne Surgery	DCEDURES sion of cast 29799 ted ear wax 69210 al test 86580 mming 11750 izations: 90788 J1100 90731 04.8) 90724 pursa 20600 //bursa 20600	[] Pneumococcal (V03.82) 9073 [] PPD skin test 8658 [] Testosterone 100/200 mg 8440 [] Tetanus/Diptheria (V03.7) 9072 [] Toadol J188 [] Vitamin B-12 9078
[] Acne Surgery	DCEDURES sion of cast 29799 ted ear wax 69210 al test 86580 mming 11750 izations: 90788 J1100 90731 04.8) 90724 pursa 20600 //bursa 20600	[] Pneumococcal (V03.82) 9073 [] PPD skin test 8658 [] Testosterone 100/200 mg 8440 [] Tetanus/Diptheria (V03.7) 9072 [] Toadol J188 [] Vitamin B-12 9078
[] Acne Surgery	DCEDURES sion of cast 29799 ted ear wax 69210 al test 86580 mming 11750 izations: 90788 J1100 90731 04.8) 90724 pursa 20600 //bursa 20600	[] Pneumococcal (V03.82) 9073 [] PPD skin test 8658 [] Testosterone 100/200 mg 8440 [] Tetanus/Diptheria (V03.7) 9072 [] Toadol J188 [] Vitamin B-12 9078
[] Acne Surgery	DCEDURES sion of cast 29799 ted ear wax 69210 al test 86580 mming 11750 izations: 90788 J1100 90731 04.8) 90724 pursa 20600 //bursa 20600	[] Pneumococcal (V03.82) 9073 [] PPD skin test 8658 [] Testosterone 100/200 mg 8440 [] Tetanus/Diptheria (V03.7) 9072 [] Toadol J188 [] Vitamin B-12 9078
PR	DCEDURES sion of cast 29799 ted ear wax 69210 al test 86580 mming 11750 izations: 90788 J1100 90731 04.8) 90724 pursa 20600 //bursa 20600	[] Pneumococcal (V03.82) 9073 [] PPD skin test 8658 [] Testosterone 100/200 mg 8440 [] Tetanus/Diptheria (V03.7) 9072 [] Toadol J188 [] Vitamin B-12 9078

Reports and Utilities Print Sample of all Forms

		DIAGNOSIS		
Cardiovascular] Aortic stenosis/insuff			558.9	[] Chronic renal insufficiency 593
] Aortic stenosis/insuff	424.2	[] GI bleeding	578.9	[] Dialysis status V45
rhytmia:		[] Hemorrhoids		[] Hematuria 599
	427.32	[] Hepatitis viral, NOS	070.9	[] Impotence 607
Atrial tachycardia	427.89	[] Hepatitis viral, NOS [] Hepatitis, alcoholic	571.1	[] Impotence 607 [] Renal calculus 592
Sick sinus syndrome	427.81	[] Intestinal malabsorption	579.9	[] Urinary tract infection 599.
	427.9	[] Irritable bowel syndrome		Rheumatology/Ortho
other arringement	127.5	[] Pancreatitis, acute	577.0	[] Ankylosing spondylitis 720
Cardiomyopathy	425.4	[] Pancreatitis, acute	577.1	[] Arthralgia 719
Cardiomyopathy Coronary pulmonale	416.9			
Coronary pulmonare		Polyp(s), colon		
coronary bypass surg (nx)	V15.2	[] Ulcer, peptic	533.90	[] Carpal tunnel syndrome 354
Endocarditis	424.90	Hematology/Oncology		DJD/oteoarthritis:
Hypertension, essential	401.9	[] Anemia	285.9	[] Hip 715
Mitral valve prolapse	424.0	Anemia, defiency:		[] Knee 715
Dermatology		[] B12 & folate	266.2	[] Multiple sites 715
Acne	706.1	[] Folate	281.2	[] Shoulder 715
Alopecia	704.00	[] Iron	280.9	[] Fracture 829
Cellulitis	682.9	Musculoskeletal		[] Gout 274
Cyst, epiderm/sebaceous	706.2	[] Hernia, femoral	553.00	[] Hx of joint replacement V43
Dermatitis	692.9	[] Hernia, inquinal	550.90	[] Myalgia 729
Herpes zoster	053.9	[] Low back pain, acute	724.2	[] Osteoarthritis 715
Psoriasis	696.1		724.9	[] Osteomyelitis 730
Rosacea	695.3		724.9	[] Polyarthralgia, NOS 719
Seborrhea	706.3	[] Muscle spasm	120.00	
		Neurology	221 0	
Seborrhea	701.9	[] Alzheimer's disease	331.0	[] Tendonitis 726
Skin hypertroph/atroph	701.9	[] Bell's paisy	351.0	[] Vertebral fx, closed 805
Skin lesion	709.9		433.10	Vascular
Skin ulcer, chronic	707.9	[] Convulsive/seizure disorder		[] Abdominal aortic aneurysm 441
		[] CVA, Hx of w/o sequelae		[] Thrombophlebitis 451
Benign	216.9 173.9	[] Dementia, non-Alzheimers	290.0	[] Varicose veins 454
Malignant	173.9	[] Epilepsy	345.90	[] Venous thrombosis 453
Melanoma	172.9	[] Headache, migraine	346.90	
Uncrtn behavior	238.2	[] Headache, vascular	784.0	
EENT	230.2	[] Parkinson disease	332.0	
	477.8		724.3	
	380.4			
			724.4	
	388.70	[] TIA	435.9	
:		Peripheral neuropathy due to:		
Cataract, senile	366.10	[] Alcohol	357.5	[
Conjunctivitis	372.30	[] Diabetes	250.60	[
Foreign body	930.9	[] Drugs	356.9	[
Glaucoma	365.9	Psychiatric		
		[] Alcoholism	303.90	
Eustachian tube dysfunction		[] Adjst Rxn emtn/&condct dsrd	312.10	
Wearing loss		Affective disorder	296.90	
		[] Anxiety state	300.00	İ
Otitis externa Otitis media Pharyngitis, acute Sinusitis, chronic Sinusitis, acute Upper respiratory infection Endorrine	382.9	Depressive disorder	300.00 311. 305.90	İ
Pharvngitis, acute	462	[] Depressive disorder [] Drug abuse, NOS	305.90	İ
Sinuaitie chronic	472 0	[] Grief reaction	309.0	
Cinucitia agute	161 0	[] GITEL LEACCION	780.50	
Upper rearington inferi	401.9	[] Insomnia [] Psychosis, NOS		
upper respiratory intection	405.9	Psychosis, NOS	298.9 V62.9	
Endocrine		[] Psychosocial problems	V62.9	
Diabetes I-IDDM comp	250.01	[] PTSD, acute	308.3	[
Diabetes I-IDDM comp Diabetes II-NIDDM comp Hypercholesterolemia	250.00	[] PTSD, chronic	309.81	
Hypercholesterolemia	272.0	[] Schizophrenia	295.90	[
Hyperthyroidism	242.90	[] Somatization disorder	300.81	
	244.9	Pulmonology		
Hypothyroidism		[] Asthma	493.90	
Hypothyroidism	278.0			
Hypothyroidism Obesity Osteoporosis	278.0 733.00	[] Bronchitis, acute	466.0	
Hypothyroidism Obesity Osteoporosis		[] Bronchitis, acute [] Bronchitis, chronic	466.0 491.9	
Hypothyroidism Obesity Osteoporosis	733.00	[] Bronchitis, chronic	491.9	
Hypothyroidism Obesity Osteoporosis	733.00 574.20	[] Bronchitis, chronic	491.9 492.8	
Hypothyroidism Obesity Osteoporosis Gastroenterology Cholelithiasis Cirrhosis, alcoholic	733.00 574.20 571.2	[] Bronchitis, chronic [] Emphysema [] Pharyngitis	491.9 492.8 462.	
Hypothyroidism Obesity Osteoporosis Gastroenterology Cholelithiasis Cirrhosis, alcoholic Cirrhosis, non alcoholic	733.00 574.20 571.2 571.9	[] Bronchitis, chronic [] Emphysema [] Pharyngitis [] Pneumonia, NOS	491.9 492.8 462. 486.	
Hypothyroidism Obesity Osteoporosis Gastroenterology Cholelithiasis Cirrhosis, alcoholic Cirrhosis, non alcoholic Diarrhea	733.00 574.20 571.2 571.9 558.9	[] Bronchitis, chronic [] Emphysema [] Pharyngitis [] Pneumonia, NOS [] Pulmonary embolism (Hx of)	491.9 492.8 462. 486. V12.5	
Hypothyroidism Obesity Osteoporosis Gastroenterology Cholelithiasis Cirrhosis, alcoholic Cirrhosis, non alcoholic Diarrhea Diarrhea infectious	733.00 574.20 571.2 571.9 558.9 009.2	[] Bronchitis, chronic [] Emphysema [] Pharyngitis [] Pneumonia, NOS [] Pulmonary embolism (Hx of)	491.9 492.8 462. 486. V12.5 473.9	
Hypothyroidism Obesity Osteoporosis Gastroenterology Cholelithiasis Cirrhosis, alcoholic Cirrhosis, non alcoholic Diarrhea Diarrhea infectious	733.00 574.20 571.2 571.9 558.9 009.2	[] Bronchitis, chronic [] Emphysema [] Pharyngitis [] Pneumonia, NOS [] Pulmonary embolism (Hx of) [] Sinusitis, chronic [] Sleep apnea syndrome	491.9 492.8 462. 486. V12.5	
Hypothyroidism Obesity Osteoporosis Gastroenterology Cholelithiasis Cirrhosis, alcoholic Cirrhosis, non alcoholic Diarrhea Diarrhea infectious Diverticulosis Esophageal varices	733.00 574.20 571.2 571.9 558.9 009.2 562.10 456.1	[] Bronchitis, chronic [] Emphysema [] Pharyngitis [] Pneumonia, NOS [] Pulmonary embolism (Hx of) [] Sinusitis, chronic [] Sleep apnea syndrome Nephrology/Urology	491.9 492.8 462. 486. V12.5 473.9 780.57	
Hypothyroidism Obesity Osteoporosis Gastroenterology Cholelithiasis Cirrhosis, alcoholic Cirrhosis, non alcoholic Diarrhea Diarrhea infectious Diverticulosis Esophageal varices Esophageal reflux disease	733.00 574.20 571.2 571.9 558.9 009.2 562.10 456.1 530.81	[] Bronchitis, chronic [] Emphysema [] Pharyngitis [] Pneumonia, NOS [] Pulmonary embolism (Hx of) [] Sinusitis, chronic [] Sleep apnea syndrome Nephrology/Urology [] Bladder dysfunction	491.9 492.8 462. 486. V12.5 473.9 780.57	
Hypothyroidism Obesity Osteoporosis Gastroenterology Cholelithiasis Cirrhosis, alcoholic Cirrhosis, non alcoholic Diarrhea Diarrhea infectious Diverticulosis Esophageal varices Esophageal reflux disease	733.00 574.20 571.2 571.9 558.9 009.2 562.10 456.1	[] Bronchitis, chronic [] Emphysema [] Pharyngitis [] Pneumonia, NOS [] Pulmonary embolism (Hx of) [] Sinusitis, chronic [] Sleep apnea syndrome Nephrology/Urology	491.9 492.8 462. 486. V12.5 473.9 780.57	
Hypothyroidism Obesity Osteoporosis Gastroenterology Cholelithiasis Cirrhosis, alcoholic Cirrhosis, non alcoholic Diarrhea Diarrhea infectious Diverticulosis Esophageal varices Esophageal reflux disease Gall Bladder disease	733.00 574.20 571.2 571.9 558.9 009.2 562.10 456.1 530.81	[] Bronchitis, chronic [] Emphysema [] Pharyngitis [] Pneumonia, NOS [] Pulmonary embolism (Hx of) [] Sinusitis, chronic [] Sleep apnea syndrome Nephrology/Urology [] Bladder dysfunction	491.9 492.8 462. 486. V12.5 473.9 780.57	
Hypothyroidism Obesity Osteoporosis Gastroenterology Cholelithiasis Cirrhosis, alcoholic Cirrhosis, non alcoholic Diarrhea Diarrhea infectious Diverticulosis Esophageal varices Esophageal reflux disease Gall Bladder disease Diagnosis	733.00 574.20 571.2 571.9 558.9 009.2 562.10 456.1 530.81	[] Bronchitis, chronic [] Emphysema [] Pharyngitis [] Pneumonia, NOS [] Pulmonary embolism (Hx of) [] Sinusitis, chronic [] Sleep apnea syndrome Nephrology/Urology [] Bladder dysfunction	491.9 492.8 462. 486. V12.5 473.9 780.57	ICD-9 Code
Hypothyroidism Obesity Osteoporosis Gastroenterology Cholelithiasis Cirrhosis, alcoholic Cirrhosis, non alcoholic Diarrhea Diarrhea infectious Diverticulosis Esophageal varices Esophageal reflux disease Gall Bladder disease Diagnosis (OTHER#1)	733.00 574.20 571.2 571.9 558.9 009.2 562.10 456.1 530.81	[] Bronchitis, chronic [] Emphysema [] Pharyngitis [] Pneumonia, NOS [] Pulmonary embolism (Hx of) [] Sinusitis, chronic [] Sleep apnea syndrome Nephrology/Urology [] Bladder dysfunction	491.9 492.8 462. 486. V12.5 473.9 780.57	ICD-9 Code
Hypothyroidism Obesity Osteoporosis Gastroenterology Cholelithiasis Cirrhosis, alcoholic Cirrhosis, non alcoholic Diarrhea Diarrhea infectious Diverticulosis Esophageal varices Esophageal reflux disease Gall Bladder disease Diagnosis	733.00 574.20 571.2 571.9 558.9 009.2 562.10 456.1 530.81	[] Bronchitis, chronic [] Emphysema [] Pharyngitis [] Pneumonia, NOS [] Pulmonary embolism (Hx of) [] Sinusitis, chronic [] Sleep apnea syndrome Nephrology/Urology [] Bladder dysfunction	491.9 492.8 462. 486. V12.5 473.9 780.57	ICD-9 Code
Hypothyroidism Obesity Osteoporosis Gastroenterology Cholelithiasis Cirrhosis, alcoholic Cirrhosis, non alcoholic Diarrhea Diarrhea infectious Diverticulosis Esophageal varices Esophageal reflux disease Gall Bladder disease Diagnosis (OTHER#1)	733.00 574.20 571.2 571.9 558.9 009.2 562.10 456.1 530.81	[] Bronchitis, chronic [] Emphysema [] Pharyngitis [] Pneumonia, NOS [] Pulmonary embolism (Hx of) [] Sinusitis, chronic [] Sleep apnea syndrome Nephrology/Urology [] Bladder dysfunction	491.9 492.8 462. 486. V12.5 473.9 780.57	ICD-9 Code
Hypothyroidism Obesity Osteoporosis Gastroenterology Cholelithiasis Cirrhosis, alcoholic Cirrhosis, non alcoholic Diarrhea Diarrhea Diarrhea infectious Diverticulosis Esophageal varices Esophageal reflux disease Gall Bladder disease Diagnosis (OTHER#1)	733.00 574.20 571.2 571.9 558.9 009.2 562.10 456.1 530.81	[] Bronchitis, chronic [] Emphysema [] Pharyngitis [] Pneumonia, NOS [] Pulmonary embolism (Hx of) [] Sinusitis, chronic [] Sleep apnea syndrome Nephrology/Urology [] Bladder dysfunction	491.9 492.8 462. 486. V12.5 473.9 780.57	 ICD-9 Code

Reports and Utilities Report Clinic Setups

Introduction

This option provides a report that lists each clinic setup, and the encounter forms and other reports defined for use by that clinic. For clinics with reports defined, the condition on which the report is printed is also provided.

Example

AICS Print Manager Clinic Setup Report For Division: ALBANY	Mar 12, 1997@09:19:59 PAGE 1			
Division: ALBANY				
Clinic: DENTAL BASIC DEFAULT FORM:	32X-DENTAL			
Clinic: DERMATOLOGY BASIC DEFAULT FORM: FORM WITH NO PRE-PRINTED PATIENT DATA: SUPPLEMENTAL FORM - PATIENT WITH PRIOR V RESERVED FOR FUTURE USE:	BILOXI.AICS ISITS: BILOXI.AICS II			
REPORTS	PRINT CONDITION			
====== ACTION PROFILE - 45 DAYS	======================================			
ACTION PROFILE - 45 DAYS ACTION PROFILE - 45 DAYS	FOR EVERY APPOINTMENT			
Clinic: EF TEST BASIC DEFAULT FORM:				
Enter RETURN to continue or '^' to exit:				

Glossary

anchor marks Cross-hair or angle marks appearing on a scannable

form. They are used by the commercial scanning

engine to align the form.

block A form is composed of blocks. Blocks are a rectangular

region on the form. Attributes include position, size, outline type, and header. All other form components are contained within a particular block, and their

position is relative to the block's position.

bubbles Marking areas on a form. They are filled in to indicate

a selection, and will be read by the scanner.

column A selection list contains one or more columns, a column

being a rectangular area that contains a portion of the entries on a selection list. Attributes include position

and height.

comb Marking areas on a form to guide a user into entering

one character per box.

conversion Refers to the conversion of forms designed using IB

V. 2.0 to forms that can be scanned.

CSV Code Set Versioning. This package is mandated under

the Health Information Portability and Accountability Act (HIPAA). It contains routines, globals and data dictionary changes to recognize code sets for the International Classification of Diseases, Clinical Modification (ICD-9-CM), Current Procedural Terminology (CPT) and Health Care Financing

Administration (HCFA) Common Procedure Coding System (HCPCS). When implemented, certain

applications will allow users of these three code

systems to select codes based upon a date that an event

occurred with the Standards Development

Organization (SDO)-established specific code that

existed on that event date.

data field

A block component that is the means by which data from VISTA is printed to the form, such as the patient's name. The data is obtained at the time the form is printed (i.e., it is not stored with the form) and can be particular to the patient. A data field can have subfields, which are conceptually a collection of related data fields. Attributes include label, label type (underline, bold, invisible), position, data area, data length and position (area on the form allocated to the data), item number, and package interface (the routine used to get the data).

data qualifiers

A selection list component. Example: with data qualifiers, a diagnosis can be designated as either primary or secondary.

dynamic selection lists

Lists used to print the patient's active problems, insurance policies, providers assigned to the clinic, etc. Dynamic lists provide the capability of scanning data such as patient's active problems. They also provide an easier method of printing lists of data such as SC disabilities, as compared to using data fields.

encounter form

A paper form used to display data pertaining to an outpatient visit and to collect additional data pertaining to that visit.

entry action

An attribute of a package interface. It is MUMPS code that is executed before the interface's entry point is executed.

exit action

An attribute of a package interface. It is MUMPS code that is executed after the interface's entry point is executed.

form line

A block component. A straight line that will be printed to the form. Attributes include orientation (horizontal, vertical), position, and length.

form tracking Tracks the processing status of forms. Each printed

> form will be assigned an ID, allowing it to be tracked while it's being processed. The lists of forms printed. their status, and statistics can be obtained from the

Form Tracking option.

hand print field Allow input of hand printing.

intelligent character (ICR) The ability to read hand written characters recognition

(usually printed) in combs or boxes.

An attribute that must be specified when defining a data field if the data field's package interface returns a list. The item number is used to specify which item on the list should be printed to the data field. For example, there is a package interface for returning service connected conditions. The first data field created for a form for displaying a service connected

condition would specify item number one.

operator fill field A field that is completed by an operator once it's

scanned.

(OCR) The ability for scanning software to read optical character recognition

characters printed by a printer on a form.

A table that is the method by which AICS interfaces package interface

> with other packages. Presently there are three types of package interfaces: for printing reports via the print manager, printing data to data fields, and for entering data to selection lists. Attributes include entry point, routine, entry action, exit action, protected variables, required variables, data type, data description, and

custodial package.

Paper Keyboard A commercial scanning application, by Datacap, Inc.,

> used to perform the scanning, recognition, and validation portions of the scanning process.

place holders A component of a selection list. They can contain text

and serve as subheaders for the selections that follow

within a group.

item number

print manager The print manager is a utility used to define the

reports and encounter forms that should be printed for clinics. It will then print the reports and forms in

packets for each appointment specified.

scannable A form or marking area that is designed to be scanned

and formatted; and defined to the scanning software.

selection A component of a selection list. It is a single entry on

the list. It is stored with the form and usually consists of data taken from a file in VISTA such as a CPT code

with its description.

selection group A component of a selection list. It is a named group of

selections on the list. Attributes include a header and

the print order.

selection list A block component whose purpose is to contain a list;

for example, a list of CPT codes. The list contains subcolumns for marking areas, which are areas meant to be marked to indicate selections being made from the list. Attributes include headers, subcolumns, subcolumn width, subcolumn type, package interface (the routine used to fill the list), and many attributes

for the appearance of the list.

selection rule There are a set of rules on the number of items that

can be accepted for each list. For example, exactly one

primary diagnosis and any number of secondary

diagnoses can be specified.

subcolumn A component of a selection list. It can contain either

text, such as a CPT code, or a marking area.

subfield

A component of a data field. It can display a single value, whereas a data field can be used to display a collection of related values. Attributes include those for the label and the area on the form to print the data. Also, for package interfaces that return records that have multiple values, the particular data must be specified.

text area

A rectangular area in a block that is used to display a word-processing field. The text is automatically formatted to fit within the block. Attributes include the word-processing field, the position and size of the text area. The text is stored with the form.

Military Time Conversion Table

STANDARD	MILITARY
12:00 MIDNIGHT	2400 HOURS
11:00 PM	2300 HOURS
10:00 PM	$2200~\mathrm{HOURS}$
9:00 PM	2100 HOURS
8:00 PM	2000 HOURS
7:00 PM	1900 HOURS
6:00 PM	1800 HOURS
5:00 PM	1700 HOURS
4:00 PM	1600 HOURS
3:00 PM	1500 HOURS
2:00 PM	1400 HOURS
1:00 PM	1300 HOURS
12:00 NOON	1200 HOURS
11:00 AM	1100 HOURS
10:00 AM	1000 HOURS
9:00 AM	0900 HOURS
8:00 AM	0800 HOURS
7:00 AM	0700 HOURS
6:00 AM	0600 HOURS
5:00 AM	$0500~\mathrm{HOURS}$
4:00 AM	0400 HOURS
3:00 AM	0300 HOURS
2:00 AM	$0200~\mathrm{HOURS}$
1:00 AM	0100 HOURS

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AICS D	ata Entry	Menu
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With functionality put in place by the Code Set Versioning project, the options in this Menu have been deleted from AICS.

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Appendix A - Background EF Print with Special Instructions

The release of AICS V. 2.1 enabled you to print encounter forms through the use of several options, one of which is the Background EF Print option. In order for this option to work, you must set parameters to run the job. Some of the main parameters that run this job are listed below. You can set up multiple jobs, each with its own set of parameters.

Last Date Printed

This parameter contains the date of the last day for which encounter forms were printed.

Days To Print Ahead

This parameter stores the number of days ahead (from the date the job is queued) for which the encounter forms should be printed.

Special Instructions

This parameter is required when setting up individual encounter form print jobs for a facility using the Background EF Print option. Use the Setup Automatic Queues option on the Print Managers menu to set this parameter from the following choices. Brief scenarios are provided for those involving weekends and holidays.

Note: This parameter is a very important one and should be well understood in order for the printing to be done correctly and encounter forms to be printed when they are supposed to.

R - Run Regardless	When the parameter is set to this value, the print job will
	run daily at the scheduled time, regardless of what day of
	the week it is or whether it is a holiday when no clinics
	meet

N - Not Active When the parameter is set to this value, the job is considered inactive and no encounter forms will print.

T - Today When the parameter is set to this value, encounter forms will print for today only. The DAYS TO PRINT AHEAD parameter should be set to zero.

I - Ignore Both Weekends and Holidays When the parameter is set to this, if the day the job is queued to run is a weekend day or a holiday, the job will abort. It also checks the day for which the encounter forms are to be printed. If it is a weekend day or a holiday, the job will keep going until it finds a regular work day. It will then print the encounter forms for the regular work day and quits.

Scenario 1

The facility will be printing encounter forms three days in advance with the Special Instructions parameter set to Ignore Both Weekends and Holidays.

Day queued ======	Day to be printed (+3) =========	
Monday	Thursday	
Tuesday	Friday	

Wednesday Saturday, Sunday, Monday (holiday), Tuesday

Since the forms print three days in advance, on Wednesday the forms for Saturday should be printed. This is a weekend day, and according to the special instructions, should be ignored. The job checks the LAST DATE PRINTED parameter and will try to print this day if the day to be printed is after the last date that encounter forms were printed. No encounter forms will be printed since no appointments are scheduled for this day. The queue will then check the next day and see if it is a weekend day or a holiday. Sunday is a weekend day and a day after the Last Date Printed; therefore, the job queues off but no encounter forms are printed because nothing is scheduled for this day. The job will then check the next day to see if it is a regular work day and not a weekend day or holiday and print forms if there are any for that day. The Monday, for our example, will be a holiday and a day after the Last Date Printed so the job is queued but nothing prints for this day either. The queue will then check the next day for a regular workday...Tuesday, and print encounter forms for that day.

^{**}Include weekends and holidays in counting the number of days ahead!**

The system will then update the Last Date Printed and quit the job. The job will run until it finds the first regular work day and prints the encounter forms for that day.

Thursday Wednesday

On Thursday, the forms for Sunday should normally print. It is a weekend day and a date before the Last Date Printed; therefore, the job prints nothing for this day. It looks for the next day...Monday...it's a holiday and before the Last Date Printed... nothing prints. It then looks to the next day...Tuesday...the day of the Last Date Printed...nothing prints for this day since the encounter forms have already been printed for this day. It then looks to the next day...Wednesday, and prints that day's encounter forms and updates the Last Date Printed parameter. It then quits the job.

Friday Thursday

It is supposed to print Monday the holiday, but Monday has already been taken care of and it's before the Last Date Printed so it ignores that and also ignores Tuesday and Wednesday because encounter forms have already been printed for those days because the Last Date Printed is Wednesday; therefore, Thursday is the next day to print encounter forms for.

Saturday Nothing prints. The job stops immediately because it is a

weekend day.

Sunday Nothing prints. The job stops immediately because it is a

weekend day.

Monday (holiday) Nothing prints. The job stops immediately because it is a

holiday.

Tuesday Friday

Wednesday Sat, Sun, Mon.

Thursday Tuesday

Friday Wednesday

Saturday Nothing prints.

Sunday Nothing prints.

Monday Thursday

At this point, you are back on a schedule.

W - Ignore Weekends When the parameter is set to this, if the day the job is

queued for a weekend day, the job will abort. It also checks the day that the encounter forms are to be printed for. If it is a weekend day the job will keep going until it finds a regular work day and prints forms for it. The job

then quits.

Scenario 2

The facility will be printing encounter forms three days in advance with the Special Instructions parameter set to Ignore Weekends.

Day queued	Day to be printed (+3)

*Monday Thursday

*Tuesday Friday

*Wednesday Saturday, Sunday, Monday

Thursday Tuesday

Friday Wednesday

Saturday Nothing prints. The job stops immediately because it is a

weekend day.

Sunday Nothing prints. The job stops immediately because it is a

weekend day.

Monday Thursday

^{**}Include weekends in counting the number of days ahead!**

^{*}Same explanation as Scenario 1.

H - Ignore Holidays When the parameter is set to this, if the day the job is queued for is a holiday, the job will abort. It also checks the day that the encounter forms are to be printed for. If it is a holiday, the job will keep going until it finds a regular work day and prints forms for it. The job then quits.

Scenario 3

The facility will be printing encounter forms three days in advance with the Special Instructions parameter set to Ignore Holidays.

Day queued Day to be printed (+3)

Monday Thursday

Tuesday Friday

Wednesday Saturday

Thursday Sunday

Friday Monday (holiday), Tuesday

Saturday Wednesday

Sunday Thursday

Monday Nothing prints, and the job is stopped immediately

because it is a holiday.

Tuesday Friday

Wednesday Saturday

Thursday Sunday

Friday Monday

Saturday Tuesday

Sunday Wednesday

Monday Thursday

Appendix A - Background EF Print with Special Instructions

Appendix B - List Manager

The List Manager is a tool that displays a list of items in a screen format and provides you the following functionality.

- browse through the list
- select items that need action
- take action against those items
- select other List Manager actions without leaving the option

A plus sign (+) at the bottom of the screen indicates there are additional screens. Left or right arrows (<<< >>>) might be displayed to indicate there is additional information to the left or right on the screen. Actions(s) are entered by typing the name(s), or abbreviation(s) at the "Select Action" prompt. Actions can be preselected by separating them with a semicolon (;). For example, "AL;CI" (Appointment Lists;Checked In) will advance through the two actions automatically.

Entries can be preselected in the following manner.

CI=1	will process entry 1 for check in
CI=3 4 5	will process entries 3, 4, 5 for check in
CI=1-3	will process entries 1, 2, 3 for check in

In addition to the various actions that can be available specific to the option you are working in, List Manager provides generic actions applicable to any List Manager screen. You can enter a double question mark <??> at the "Select Action" prompt for a list of all actions available. On the following page is a list of generic List Manager actions with a brief description. The abbreviation for each action is shown in brackets [] following the action name. Entering the abbreviation is the quickest way to select an action.

Action Description

Next Screen [+] move to the next screen

Previous Screen [-] move to the previous screen

Up a Line [UP] move up one line

Down a Line [DN] move down one line

Shift View to Right [>] move the screen to the right if the screen

width is more then 80 characters

Shift View to Left [<] move the screen to the left if the screen

width is more then 80 characters

First Screen [FS] move to the first screen

Last Screen [LS] move to the last screen

Go to Page [G0] move to any selected page in the list

Re Display Screen (RD) redisplay the current screen

Print Screen [PS] prints the header and the portion of the list

currently displayed

Print List [PL] prints the list of entries currently displayed

Search List [SL] finds selected text in list of entries

Auto Display(On/Off) [ADPL] toggles the menu of actions to be

displayed/not displayed automatically

Quit [QU] exits the screen

Appendix C - Scanning

With functionality put in place by the Code Set Versioning project, Scanning and Manual Data Entry (MDE) functionality in AICS is terminated. This shutdown is for the following reasons.

1. Because this functionality is no longer being enhanced, it is not compatible with the new diagnostic and procedure codes as defined by HIPAA. If Scanning & MDE are allowed to continue, encounter data may be rejected which would result in the generation of application errors.

2. VHA DIRCTIVE 2003-012.

- a. All facilities should only be using "electronic encounter forms" by October 1, 2003.
- b. All providers should enter their own encounter data using CPRS by October 1, 2003.
- 3. CPRS is now the method of choice for entering outpatient encounter data.

Appendix C - Scanning

Appendix D - HP LaserJet 5Si Printer

With the addition of scanning to the AICS package, a need for duplex printing, and the need for a printer that could handle high volume printing as well as print pages that would be scannable and compatible with the AICS workstation software, the HP LaserJet 5Si printer was purchased. This printer prints 24 ppm (pages per minute), handling a wide variety of paper weights and sizes. Three input paper trays and two output bins handle a variety of print media. The HP LaserJet 5Si comes with 4 Mbytes of memory with the potential to expand memory to 132 Mbytes, and the potential to add additional printer features with four single inline memory module (SIMM) slots. Thirty five scaleable fonts as well as 10 True Type fonts are included in this printer. Some additional options have been purchased with the HP LaserJet 5Si that add to the capability and efficiency of this printer. They are an envelope feeder, duplex unit for printing 2 sided documents, 2000 sheet input tray (tray 4) and a multi-bin mailbox (works in mailbox, job separation and stacking mode).

Software is included with the HP LaserJet 5Si and must be installed on each individual PC that will be using the printer. If running windows, a new printer will need to be set up in order to use the device. There are additional parameters and definitions that must be setup in order for the printer to be workable and usable to print AICS encounter forms and duplex printing. Due to many differing factors and variables at each site (wiring/connector schemes, terminal server configurations, sysgen definitions, physical device set ups, VMS print queues, etc.) it is hard to standardize one combination of successful printer setups, device and terminal type definitions for printing Encounter Forms and subsequent output reports (action profile, health summary, etc.). It is very important to remember that each unique Terminal Type, (Device Subtype) must be defined in the ENCOUNTER FORM PRINTERS file (357.94) with Printer Language Type equal to PCL5.

The following definitions and parameters need to be set up before using the printer:

- 1) Physical Device Information/Set-up,
- 2) Terminal Type File,
- 3) Device File,
- 4) Encounter Form Printers File.

1) PHYSICAL DEVICE INFORMATION/SET-UP - Control Panel Menu

The following information is included in the printer and can be obtained by printing from the printer itself. These are the default settings for the printer. They may be changed to accommodate your site. This information is contained on the Configuration page which can be printed out by doing the following.

Press Menu - Select Test Menu Press Item - PCL Configuration Page Press Select - this will print the configuration Page

The following information is included on this printout.

Printer Information

Serial Number: USDF015318 Formatter Number: EA48XB

Firmware Datacode: 19960208 v8_5 Processor Revision: 29040 D40d

Page Count: 32

Pages Since Last Power Cycle: 0 Pages Since Last Maintenance: 32

Installed Personalities and Options

PCL (19960208)

Postscript (19951204) * SIMM Slot 1: Empty SIMM Slot 2: Empty

SIMM Slot 3: 8 MByte RAM SIMM SIMM Slot 4: 1 MByte ROM SIMM

Memory

Total Memory: 12 Mbytes Available Memory: 7.9 Mbytes

I/O Buffering

Not Enabled - Need: 11 Mbytes More Memory

Resource Saving:

Not Enabled - Need: 12 Mbytes More Memory

Security

Control Panel Lock: DISABLED Control Panel Password: DISABLED

Paper Handling Options

Duplex Unit

PH Controller [01.51]

Device 1:

HEWLETT-PACKARD 2000 SHEET INPUT TRAY C3763A

1: Tray 4, 2000 sheets

Device 2:

HEWLET -PACKARD MULTIBIN MAILBOX C3764A [BNP43.90]

- 1: OPTIONAL OUTBIN 1. 125 Sheets, Face Up
- 2: OPTIONAL OUTBIN 2. 250 Sheets, Face Down
- 3: OPTIONAL OUTBIN 3. 250 Sheets, Face Down
- 4: OPTIONAL OUTBIN 4. 250 Sheets, Face Down
- 5: OPTIONAL OUTBIN 5. 250 Sheets, Face Down Only if you have Multi-bin
- 6: OPTIONAL OUTBIN 6. 250 Sheets, Face Down option.
- 7: OPTIONAL OUTBIN 7. 250 Sheets, Face Down
- 8: OPTIONAL OUTBIN 8. 250 Sheets, Face Down
- 9: OPTIONAL OUTBIN 9. 250 Sheets, Face Down

This information is contained on the TRAY MENU page of the printer which can also be printed.

TRAY MENU

TRAY 1 TYPE = PLAIN

TRAY 1 SIZE = LETTER

TRAY 2 TYPE = PLAIN

TRAY 3 TYPE = PLAIN

TRAY 4 TYPE = PLAIN

JOB CONTROL MENU

CANCEL JOB

PRESS SELECT TO FORM FEED

TEST MENU

PCL CONFIGURATION PAGE

POSTSCRIPT CONFIGURATION PAGE - may not contain this if printer doesn't have postscript option

PCL FONT LIST

POSTSCRIPT FONT LIST - may not contain this if printer doesn't have postscript option

DEMO PAGE PRINT ERROR LOG PAPER PATH TEST SHOW ERROR LOG

CONFIGURATION MENU

2-SIDED = OFF
PAPERDESTINATION = TOP OUTPUT BIN
ORIENTATION = PORTRAIT
POWER SAVE DELAY = 1 HOUR
PERSONALITY = AUTO
AUTO CONTINUE = ON

TONER LOW = STOP - this setting is highly recommended for paper saving.

PRINT QUALITY MENU

ECONOMODE = OFF RESOLUTION = 600 DOTS PER INCH RESOLUTION ENHANCEMENT = ON PRINT DENSITY = 5

POSTSCRIPT MENU - may not contain this if printer doesn't have postscript option

PRINT POSTSCRIPT ERRORS = OFF JAME RECOVERY = OFF IO MENU PARALLEL ID SPEED = HIGH IO TIMEOUT = 15 SECONDS

HP MIO1 MENU

HP MIO2 MENU

Serial=RS232 Baud Rate=9600 Handshk=XON DTR Polarity=Hi Data Bits=8 Parity=None Stop Bits=1

2) TERMINAL TYPE FILE (# 3.2)

With each new printer (device), there should be an associated entry in the TERMINAL TYPE file. This file is pointed to by the SUBTYPE field of the DEVICE file. The fields that need to be populated in this file will vary depending on what the printer is being used for. This file may hold vendor-specific code to characterize a terminal type. For example, escape sequences may be entered in the Open and Close Execute fields to set pitch or font. The following are some of the more standard fields that will be set up.

NUMBER: XXX NAME: P-HPLASERJ5-16/8/UP/DUPLEX

SELECTABLE AT SIGN-ON: YES RIGHT MARGIN: 132 FORM FEED: # PAGE LENGTH: 80

BACK SPACE: \$C(8)

OPEN EXECUTE: W *27,"E",*27,"(s16.66H",*27,"&l8D"

CLOSE EXECUTE: W *27,"E"

DESCRIPTION: LASER JET W/16.66 PITCH & 8 LPI (UPRIGHT)

SIMPLEX: \$C(27)_"&l0S"// - 1 is lower case "L", 0 is zero.

DUPLEX, LONG EDGE BINDING: \$C(27)_"&l1S"// - first 1 is lower case "L",

second 1 is #1.

DUPLEX, SHORT EDGE BINDING: \$C(27)_"&l2S"// - 1 is lower case "L".

<<<If the printer is being used for graphics, the graphics fields need to be set up.>>

<<The EXAMPLES section will show some successful working configurations of Terminal Types and Devices being used at some sites.>>>

3) **DEVICE FILE (# 3.5)**

With each new printer, an entry must be made in the DEVICE file (# 3.5). This file defines all input/output devices that can be accessed from a CPU (definitions are not account-specific). Each device is identified with a unique name. Each is associated with a \$I value which may correspond with a hardware port or, on layered systems, a host file or directory. If there are several devices for the same volume set and \$I, one may be given sign-on system status. Devices may also be assigned to hunt groups to share work. The following are some of the more standard fields that will be set up.

NUMBER: site specific*
\$I: XXX

NAME: site specific*
ASK DEVICE: YES

ASK PARAMETERS: YES VOLUME SET(CPU): PSA

LOCATION OF TERMINAL: SCHEDULING CLERK

SUPPRESS FORM FEED AT CLOSE: YES *MARGIN WIDTH: 132 *PAGE LENGTH: 80

*BACK SPACE: \$C(8) SUBTYPE: P-HPLASERJ5-

16/8/UP/DUPLEX

TYPE: TERMINAL

EQUINOX BOX (c): site specific* EQUINOX PORT (c): site

specific*

EQUINOX BOX-PORT (c): site specific*

<<The EXAMPLES section shows some successful working configurations of Terminal Types being used at some sites.>>>

4) ENCOUNTER FORM PRINTERS FILE (# 357.94)

With each unique printer (Terminal Type), an entry must be made in the ENCOUNTER FORM PRINTERS file to allow the site to print encounter forms and duplex print. The printer's Terminal Type name will be the entry name for this file. This file contains a list of terminal types that can support either duplex printing or the printer control language PCL5. Entering the correct information in this file will allow encounter forms printed to these terminal types to utilize these features. There is a standard setup that the site must enter into this file. The following parameters should be set up exactly as follows.

TERMINAL TYPE: Should be the Terminal Type name.

PRINTER LANGUAGE TYPE: PCL5// - This must be set to PCL5 in order to print Encounter Forms

SIMPLEX: $C(27)^* los'' - 1$ is lower case "L", 0 is zero.

DUPLEX, LONG EDGE BINDING: \$C(27)_"&11S"// - first 1 is lower case "L",

second 1 is #1.

DUPLEX, SHORT EDGE BINDING: \$C(27)_"&12S"// - 1 is lower case "L".

General information:

W *27,"E" resets the printer to the user defaults, not the factory defaults; so if a user makes any changes on the menu front control panel, the printer resets to these selected parameters.

In composing an escape code sequence, a W *27,"&1" needs to be issued once followed by the parameter string.

The 4Si and 5Si escape codes work the same, with the 5Si having more features.

EXAMPLES

This section lists some of the configurations that have shown to be successful for printer setups in the TERMINAL TYPE file and DEVICE file for the HP5Si. Each site may need to modify the configurations to get the most successful printer/device/terminal type definitions to print Encounter Forms and duplex print. The ENCOUNTER FORM PRINTERS file for each of these, is set up with the standard configuration listed under the ENCOUNTER FORM PRINTERS FILE (#357.94) section.

Device File (#3.5)

NAME: ENCOUNTER FORM PRINTER \$I: 0

ASK DEVICE: YES ASK PARAMETERS: YES

LOCATION OF TERMINAL: MAUNETTE'S OFFICE

MNEMONIC: EF

SUBTYPE: P-HPLASER/16/8/UP/DUPLEX TYPE: TERMINAL

Terminal Type file (#3.2)

NAME: P-HPLASER/16/8/UP/DUPLEX SELECTABLE AT SIGN-ON:YES

RIGHT MARGIN: 132 FORM FEED: #
PAGE LENGTH: 80 BACK SPACE: \$C(8)

*OLD XY CRT: W \$C(27)_"&a"_DX_"c"_DY_"R"

OPEN EXECUTE: W *27,"E",*27,"(s16.66H",*27,"&l8D"

CLOSE EXECUTE: W *27,"E"

DESCRIPTION: Laser Jet w/16.66 pitch and 8 lines per inch (Upright)

TOP LEFT CORNER: C(218) BOTTOM LEFT CORNER: C(192) BOTTOM RIGHT CORNER: C(217)

VERTICAL LINE: \$C(179) HORIZONTAL LINE: \$C(196) GRAPHICS OFF: \$C(27)_"(8U" GRAPHICS ON: \$C(27)_"10U"

XY CRT: W $C(27)^{\}$ a"_DX_"c"_DY_"R"

 For a typical MSM site the General site configuration statistics are as follows.

MSM v4.0.14

Equinox Terminal Servers

HP 4/5Si Printers

<><Note that sites are similar in configurations but may vary.>>>

The following device types followed by their corresponding Terminal Type definitions are used by MSM sites (used with HP 4/5Sis).

Device

NAME: P21-22 STACKING SET \$I: 303

VOLUME SET(CPU): PSA LOCATION OF TERMINAL: MIS RM A9

DEFAULT SUBTYPE: P-HP5SI STACKING MODE

Terminal Type

NAME: P-HP5SI STACKING MODE SELECTABLE AT SIGN-ON: NO

RIGHT MARGIN: 80 FORM FEED: #
PAGE LENGTH: 80 BACK SPACE: \$C(8)

OPEN EXECUTE: W *27,*38,*108,"2",*73

DESCRIPTION: SETS HPSI PRINTERS TO STACKING MODE

Device

NAME: P21-22A \$I: 303

VOLUME SET(CPU): PSA LOCATION OF TERMINAL: MIS RM A9

DEFAULT SUBTYPE: P-HPLASERIV 10X80/8X80

MNEMONIC: P4-42A

SUBTYPE: P-HPLASERIV 10X80/8X80 TYPE: TERMINAL

.....

Terminal Type

NAME: P-HPLASERIV 10X80/8X80 SELECTABLE AT SIGN-ON: NO

RIGHT MARGIN: 80 FORM FEED: #
PAGE LENGTH: 80 BACK SPACE: \$C(8)

OPEN EXECUTE: W *27,"(s10H",*27,"&l8D"

10 PITCH: \$C(27)_"(s10H" 12 PITCH: \$C(27)_"(s12H"

DESCRIPTION: -HPLASER IV 10 cpi 80 colms 8 lpi 80 lines/page

16 PITCH: \$C(27)_"(s16.66H" 6 LINES PER INCH: \$C(27)_"&l6D"

8 LINES PER INCH: \$C(27) "&18D"

April 1997

Device

NAME: P21-22B \$I: 303

VOLUME SET(CPU): PSA LOCATION OF TERMINAL: MIS RM A9

DEFAULT SUBTYPE: P-HPLASER-P10 *MARGIN WIDTH: 80 *FORM FEED: # *PAGE LENGTH: 60

*BACK SPACE: \$C(8) MNEMONIC: P4-42B

SUBTYPE: P-HPLASER-P10 TYPE: TERMINAL

Terminal Type

NAME: P-HPLASER-P10 SELECTABLE AT SIGN-ON: NO

RIGHT MARGIN: 80 FORM FEED: #
PAGE LENGTH: 60 BACK SPACE: \$C(8)

OPEN EXECUTE: W *27,"E"

10 PITCH: \$C(27)_"k12H"

CLOSE EXECUTE: W *27,"E"

12 PITCH: \$C(27)_"k10H"

UNDERLINE ON: \$C(27,38,100,48,68) UNDERLINE OFF: \$C(27,38,100,64)

DESCRIPTION: LASER PRINTER PORTRAIT MODE 10 CPI

16 PITCH: \$C(27) "k16.66H"

Device

NAME: P21-22E BAR \$I: 303

LOCATION OF TERMINAL: MIS

DEFAULT SUBTYPE: P-HPLASERIV 12X96/8X80 BAR

BARCODE AVAIL: YES SUBTYPE: P-HPLASERIV 12X96/8X80

BAR

TYPE: TERMINAL

Terminal Type

NAME: P-HPLASERIV 12X96/8X80 BAR SELECTABLE AT SIGN-ON: NO

RIGHT MARGIN: 96 FORM FEED: #
PAGE LENGTH: 80 BACK SPACE: \$C(8)

OPEN EXECUTE: W *27,"&l8D",*27,"(s12H"

CLOSE EXECUTE: W#

BAR CODE OFF: *27,"E",*27,"&18D",*27,"(s12H"

 Device

NAME: P21-22ENC/BAR \$I: 303

VOLUME SET(CPU): PSA LOCATION OF TERMINAL: MIS

DEFAULT SUBTYPE: P-HPLASER 17X132/8X80 BAR

Terminal Type

NAME: P-HPLASER 17X132/8X80 BAR SELECTABLE AT SIGN-ON: NO

RIGHT MARGIN: 132 FORM FEED: #
PAGE LENGTH: 80 BACK SPACE: \$C(8)

OPEN EXECUTE: W *27,"&l0O",*27,"(8U",*27,"(s0p9.42v16.67h0s0b6T",*27,"&l5.8C" CLOSE EXECUTE: W # 6 LINES PER INCH: \$C(27) "&l6D"

8 LINES PER INCH: \$C(27)_"&18D"

BAR CODE OFF: *27,"&l0O",*27,"(8U",*27,"(s0p9.42v16.67h0s0b6T",*27,"&l5.8C"

BAR CODE ON: *27,"&100",*27,"(0Y",*27,"(s0p12.00v8.11h0s0b0T"

Device

NAME: P21-22I \$I: 303

VOLUME SET(CPU): PSA LOCATION OF TERMINAL: MIS RM A9

DEFAULT SUBTYPE: P-HPLASERIV 17X132/8X80

MNEMONIC: P4-42

SUBTYPE: P-HPLASERIV 17X132/8X80 TYPE: TERMINAL

Terminal Type

NAME: P-HPLASERIV 17X132/8X80 SELECTABLE AT SIGN-ON: NO

RIGHT MARGIN: 132 FORM FEED: #
PAGE LENGTH: 80 BACK SPACE: \$C(8)

OPEN EXECUTE: W *27,"&18D",*27,"(s16.66H"

CLOSE EXECUTE: W *27,"E" 10 PITCH: \$C(27) "(s10H"

12 PITCH: \$C(27) "(s12H"

DESCRIPTION: P-HPLASER IV 17 cpi 132 colms 8 lpi 80 lines/page

16 PITCH: \$C(27) "(s16.6H"

Device

NAME: E104 \$I: 198

ASK DEVICE: YES ASK PARAMETERS: YES

VOLUME SET(CPU): PSA

LOCATION OF TERMINAL: SP MAS HP4Si Bot/Duplex EQSPA20

DEFAULT SUBTYPE: P-HP4SI-16/8-BOT-DUPLEX

KEY OPERATOR: DSV4020 *MARGIN WIDTH: 132 *FORM FEED: # *PAGE LENGTH: 80

*BACK SPACE: \$C(8)

SUBTYPE: P-HP4SI-16/8-BOT-DUPLEX TYPE: TERMINAL

Terminal Type

NAME: P-HP4SI-16/8-BOT-DUPLEX SELECTABLE AT SIGN-ON: NO

RIGHT MARGIN: 132 FORM FEED: #
PAGE LENGTH: 80 BACK SPACE: \$C(8)

OPEN EXECUTE: W

*27,"E",*27,"(8U",*27,"(s0p16.67h8.5v0s0b0T",*27,"&l8D",*27,"&

12G" CLOSE EXECUTE: W *27,"E"

DESCRIPTION: HP4Si, 16cpi, 8Lpi, Stacker/Duplex

For a typical AXP site the General site configuration statistics are as follows:

VMS v 6.2

DSM v 6.4

DecServer 550 and 90L terminal servers

HP 4/5Si Printers

<<<Note that sites are similar in configurations but may vary.>>>

The following setups are taken from AXP (Alpha) sites:

Device File

NUMBER: 670 NAME: SURGERY CLIN ENCOUNTER \$1: _LTA9302: LOCATION OF TERMINAL: 101-66

SUPPRESS FORM FEED AT CLOSE: YES NEAREST PHONE: 2671

*MARGIN WIDTH: 132 *FORM FEED: #
*PAGE LENGTH: 60 *BACK SPACE: \$C(8)

MNEMONIC: OUTPATIENT-NURSING

SUBTYPE: P-HPLASER-6/16 TYPE: TERMINAL

LAT SERVER NODE: NJA023943 LAT SERVER PORT: PORT 1

BAUD RATE (c): UNKNOWN

Terminal Type

NUMBER: 221 NAME: P-HPLASER-6/16

RIGHT MARGIN: 132 FORM FEED: #
PAGE LENGTH: 60 BACK SPACE: \$C(8)

OPEN EXECUTE: W

*27,*38,*108,*54,*68,*27,*38,*107,*50,*83,*27,*38,*108,*48,*79

CLOSE EXECUTE: W *27,"E" HIGH INTENSITY

 $(BOLD): C(27)_"(s3B"$

NORMAL INTENSITY (RESET): \$C(27)_"(s0B" DESCRIPTION: HPLASER 6 LPI 16 CPI

Device

NAME: MAS15-5 ENC \$I: _LTA9155:

ASK DEVICE: NO SIGN-ON/SYSTEM DEVICE: NO

LOCATION OF TERMINAL: B-59 SUPPRESS FORM FEED AT CLOSE: YES

NEAREST PHONE: 1803 KEY OPERATOR: DENISE

SUBTYPE: P-HPLASER4SI-16.6-ENC-FORM TYPE: TERMINAL

LAT SERVER NODE: M60715 LAT SERVER PORT: 5

VMS DEVICE TYPE: NOT SPOOLED LAT PORT SPEED: 192

Terminal Type

NAME: P-HPLASER4SI-16.6-ENC-FORM RIGHT MARGIN: 132 FORM FEED: # PAGE LENGTH: 60

BACK SPACE: \$C(8)

OPEN EXECUTE: W *27,"&l8D",*27,"(s16.66H"

CLOSE EXECUTE: W *27,"E" 10 PITCH: \$C(27)_"(s10H"

12 PITCH: \$C(27)_"(s12H"

 $\begin{array}{l} {\rm HIGH\ INTENSITY\ (BOLD):\ \$C(27,40,115,53,66)} \\ {\rm NORMAL\ INTENSITY\ (RESET):\ \$C(27,40,115,48,66)} \end{array}$

DESCRIPTION: HP4SI at 16.6 pitch 16 PITCH: \$C(27)_"(s16.6H"

This setup works for printing bar-codes on Action Profiles that print with encounter forms.

In order to print bar-codes on Pharmacy Action Profiles that print with AICS Encounter Forms, the following example describes the BAR CODE OFF (#61) and BAR CODE ON (#60) fields in the TERMINAL TYPE file (#3.2) as well as the associated DEVICE file (#3.5) entry for either a HP 4Si or HP 5Si printer:

Device File Entry - Please note that this example is for a TCP/IP (network printer).

NAME: EF\$PRT \$1: VA7\$:[TCP\$SPOOL]EF\$PRT.TXT

ASK DEVICE: NO
LOCATION OF TERMINAL: MCCR AREA
ASK HFS I/O OPERATION: NO

*FORM FEED: #

ASK PARAMETERS: NO
ASK HOST FILE: NO
*MARGIN WIDTH: 132
*PAGE LENGTH: 80

*BACK SPACE: \$C(8)

OPEN PARAMETERS: (NEWVERSION, PROTECTION=(S:RWED, O:RWED, G:RWED, W:RWED))

SUBTYPE: P-AICS BARCODE TYPE: HOST FILE SERVER

Terminal Type File Entry

NAME: P-AICS BARCODE SELECTABLE AT SIGN-ON: NO

RIGHT MARGIN: 132 FORM FEED: #
PAGE LENGTH: 80 BACK SPACE: \$C(8)

 $OPEN\ EXECUTE:\ W\ *27,"\&loo",*27,"(8U",*27,"(s0p9.42v16.67h0s0b6T",*27,"\&loo",*27,"(s0p9.42v16.67h0s0b6T",*27,"&loo",*27,"(s0p9.42v16.67h0s0b6T",*27,"&loo",*27,"(s0p9.42v16.67h0s0b6T",*27,"&loo",*27,"(s0p9.42v16.67h0s0b6T",*27,"&loo",*27,"(s0p9.42v16.67h0s0b6T",*27,"&loo",*27,"(s0p9.42v16.67h0s0b6T",*27,"&loo",*27,"(s0p9.42v16.67h0s0b6T",*27,"&loo",*27,"(s0p9.42v16.67h0s0b6T",*27,"&loo",*27,"(s0p9.42v16.67h0s0b6T",*27,"&loo",*27,"(s0p9.42v16.67h0s0b6T",*27,"&loo",*27,"(s0p9.42v16.67h0s0b6T",*27,"&loo",*27,"(s0p9.42v16.67h0s0b6T",*27,"&loo",*27,"(s0p9.42v16.67h0s0b6T",*27,"&loo",*27,"(s0p9.42v16.67h0s0b6T",*27,"&loo",*27,"(s0p9.42v16.67h0s0b6T",*27,"&loo",*27,"(s0p9.42v16.67h0s0b6T",*27,"&loo",*27,"(s0p9.42v16.67h0s0b6T",*27,"&loo",*27,"(s0p9.42v16.67h0s0b6T",*27,"&loo",*27,"(s0p9.42v16.67h0s0b6T",*27$

5.8C"

CLOSE EXECUTE: W *27,"E" C IO K IO(1,IO) S

 ${\rm QUE} = "/{\rm QUEUE} = "_\$E({\rm ION}, 1, \$F({\rm ION}))$

,"PRT")-1)_"/DELETE",QUE=\$ZC(%PRINT,IO,QUE)

DESCRIPTION: Laser Jet with 16.66 pitch and 8 lines per inch (Upright)

6 LINES PER INCH: \$C(27)_"&l6D" 8 LINES PER INCH: \$C(27)_"&l8D"

SIMPLEX: \$C(27)_"&10S"

DUPLEX, LONG EDGE BINDING: \$C(27)_"&11S" DUPLEX, SHORT EDGE BINDING: \$C(27)_"&12S"

 $BAR\ CODE\ OFF:\ *27,"\&loO", *27,"(8U", *27,"(s0p9.42v16.67h0s0b6T", *27,"\&l5.$

8C"

BAR CODE ON: *27,"&100",*27,"(0Y",*27,"(s0p12.00v8.11h0s0b0T"

Selecting different bins for a multi-bin mailbox:

The OPEN EXECUTE for the Terminal Type file should be set to the following.

Top output bin:

OPEN EXECUTE: W *27,"&l1G" - First l - lower case L, second 1 - number 1

Left output bin:

OPEN EXECUTE: W *27,"&l2G" - First l - lower case L

Printer has a mail box:

OPEN EXECUTE: W *27,"&l3G" - First l - lower case L

<<The user must manually set the stacker to stacker mode on the printer control panel and turn the printer off, then on again. This sets the stacker to on. The OPEN EXECUTE codes can redirect the output.>>>

The only other way the stacker can be set without turning the printer off then on again is if the printer is set up as a network printer, and from Windows the JetAdministrator software is used to switch the modes.

<<Once the stacker mode is enabled, you can check this by printing the configuration page for the printer. Under Paper Handling, you should see the configuration for the bins.>>>

Following is a general sample for setting up a network printer to print Encounter Forms.

This is a sample configuration listing for a network printer to be used to print Encounter Forms on an AXP system. The printer in this example is a HP 5Si with JetDirect card installed. For VMS and UCX setups, please refer to the published documentation on configuring client services, VMS queues, etc.

1. UCX setup

Digital TCP/IP Services for Open VMS CLIENT Components Configuration Menu

Configuration options:

```
1 - FTP Enabled
2 - LPR/LPD Enabled <=== this option must be enabled</li>
3 - NFS Client Disabled
4 - REXEC and RSH Disabled
5 - RLOGIN Disabled
6 - SMTP Disabled
7 - TELNET Enabled
```

A - Configure options 1 - 7

[E] - Exit menu

UCX Printer Setup Program

```
Command < add delete view help exit >: v #

# LOCAL PRINTERS

#

UCX$LPD_QUEUE:\
:lp=UCX$LPD_QUEUE:\
:sd=UCX$LPD_SPOOL:

#

# setup using queue names with $prt suffix
EF$PRT|ef$prt:\
:lf=/SYS$SPECIFIC/UCX_LPD/EF$PRT.LOG:\
:lp=EF$PRT:\
:ps=lps:\
:rm=ef$prt:\
:sd=/SYS$SPECIFIC/UCX_LPD/EF$PRT:
#
```

2. VMS setup

Server gueue EF\$PRT, idle, on ISC1A2::, mounted form DEFAULT /AUTOSTART ON=(ISC1A2::,ISC1A1::) /BASE PRIORITY=4 /DEFAULT=(FEED, FORM=DEFAULT) /PROCESSOR=UCX\$LPD_SMB

3. VISTA setup

DEVICE file (#3.5) entry -

NAME: EF\$PRT \$I: VA7\$:[TCP\$SPOOL]EF\$PRT.TXT

ASK PARAMETERS: NO ASK DEVICE: NO LOCATION OF TERMINAL: MCCR AREA ASK HOST FILE: NO ASK HFS I/O OPERATION: NO *MARGIN WIDTH: 132 *FORM FEED: # *PAGE LENGTH: 80

*BACK SPACE: \$C(8) **OPEN PARAMETERS:**

(NEWVERSION, PROTECTION=(S:RWED, O:RWED, G:RWED, W:RWED))

SUBTYPE: P-AICS BARCODE TYPE: HOST FILE SERVER

TERMINAL TYPE file (#3.2) entry -

NAME: P-AICS BARCODE SELECTABLE AT SIGN-ON: NO

RIGHT MARGIN: 132 FORM FEED: # PAGE LENGTH: 80 BACK SPACE: \$C(8)

OPEN EXECUTE: W *27,"&l0O",*27,"(8U",*27,"(s0p9.42v16.67h0s0b6T",*27,

"&l5.8C"

CLOSE EXECUTE: W *27."E" C IO K IO(1,IO) S QUE="/QUEUE=" \$E(ION,1,\$F

(ION,"PRT")-1)_"/DELETE",QUE=\$ZC(%PRINT,IO,QUE)

DESCRIPTION: Laser Jet with 16.66 pitch and 8 lines per inch (Upright)

6 LINES PER INCH: \$C(27) "&16D" 8 LINES PER INCH: \$C(27) "&18D" DUPLEX, LONG EDGE BINDING:

SIMPLEX: \$C(27)_"&l0S"

\$C(27) "&l1S"

DUPLEX, SHORT EDGE BINDING: \$C(27) "&12S"

BAR CODE OFF: *27,"&loO",*27,"(8U",*27,"(s0p9.42v16.67h0s0b6T",*27,"&l5.8C"

BAR CODE ON: *27,"&l0O",*27,"(0Y",*27,"(s0p12.00v8.11h0s0b0T"

ENCOUNTER FORM PRINTER file (#357.94) entry -

TERMINAL TYPE: P-AICS BARCODE PRINTER LANGUAGE TYPE: PCL5

SIMPLEX: \$C(27)_"&10S"

DUPLEX, LONG-EDGE BINDING: \$C(27)_"&11S" DUPLEX, SHORT-EDGE BINDING: \$C(27)_"&12S"

TCP PRINTER: YES

<< W *27 is used in some setups. While "W *" is ANSI standard, implementation is vendor and device specific; therefore, it is not entirely portable.>>>

Reference: SAC2.1. ANSI standard p. 68