

2012 Setup Documentation for the HC100 Armband Printer in a Meditech Environment.

Topics

Initial Setup

Setting Up the HC100 Printer on Your Network

Changing the Default Administration Password

Meditech Magic

Defining the Printers IP Address

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Defining the Printers IP Address

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Uploading the Armband Formats to Meditech

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Defining the Printers IP Address

Setting Up the Printer Destination

Uploading the Armband Formats to Meditech

Printing an Armband

Documentation

Detailed NPR Code Specification

Setting up the HC100 Printer on a Desktop PC (Optional Configuration)

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This documentation does not constitute a recommendation or endorsement for the products mentioned.

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HC100 Printer Setup and Configuration in a Meditech Environment

Introduction

Key items:

Inherent safety features have been built into all freely published armband formats.

- The armbands have a built in feature to shrink or enlarge the Patient Name font to the largest possible size given the length of the name. The average age of a nurse in the US is in the upper 40's. This feature provides for safer care through easier visual identification of the patients name, while accommodating very large 30 Character Full Names.

- 2D Barcode Support with Code 128 on the same armband for Legacy product support.

- Integrated check digit capability to ensure the nurse is scanning an armband, and not another barcode (ie Label) in the patient care environment. This reduces workarounds and any scanning away from the bedside.

- Improved audit capability by capturing the name of "who printed" on the armband itself, so that if one is found unattached to a patient, investigation is much easier. This also reduces workarounds and any scanning away from the bedside.

HC100 Printer Setup and Configuration in a Meditech Environment

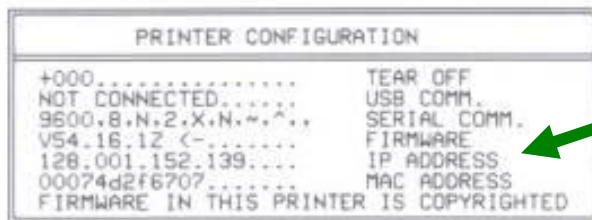
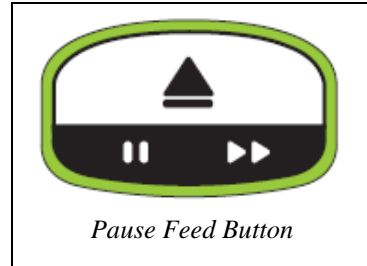
HC100 Printer Initial Setup

The HC 100 Network Capable Printer is equipped with DHCP and can download an IP Address from your network if that functionality is enabled.

Plug the HC100 into your network and power it on, within 2 minutes the device should have download a valid IP Address.

To determine the printers address Print a Test Label. Hold down the Pause / Feed Button on the printer until it blinks orange once and then release.

A armband will print with the units IP Address shown,



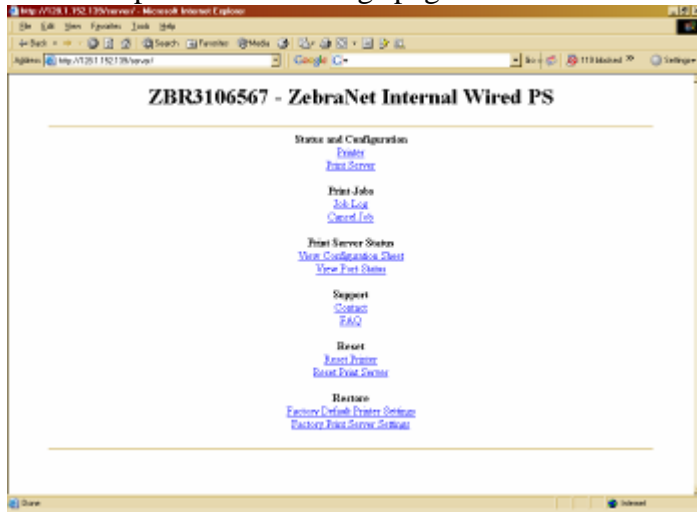
This Label will include the downloaded IP Address. You can then browse to the printer to setup the necessary administrative data with your default web browser.



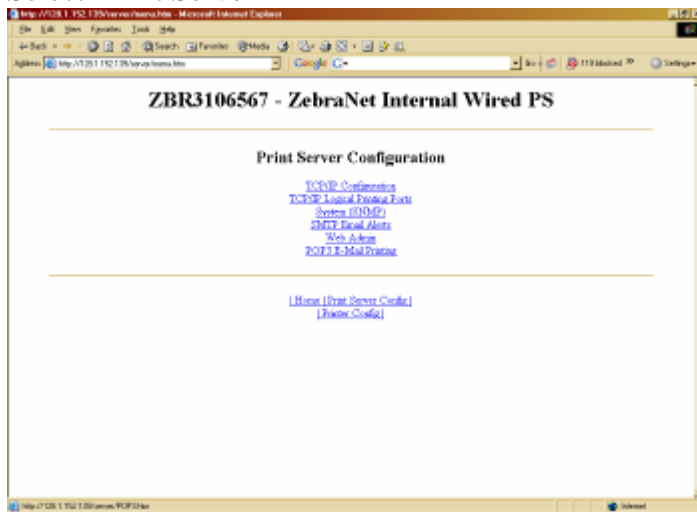
The DEFAULT ADMIN PASSWORD is **1234**. This should be updated / Changed once the printer is on your network.

Changing the Units Password

Go to the print server settings page



Select Print Server



Select Web Admin to configure password

HC100 Printer Setup and Configuration in a Meditech Environment

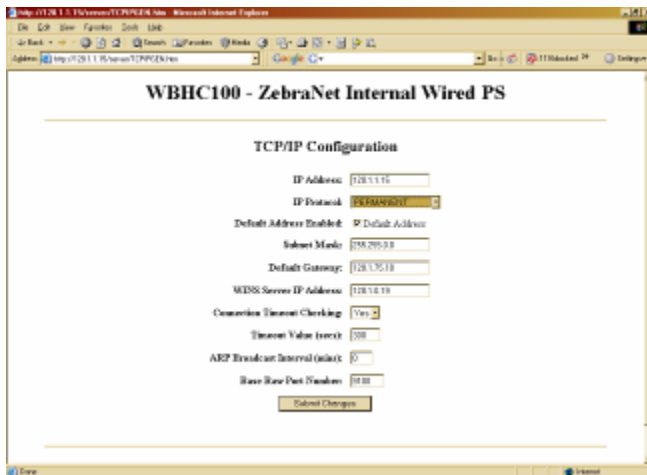


Configure your Password on this page and document it accordingly. If you ever loose your password you can reset the printer to factory defaults to regain admin access to the console.

Setting up the TCP/IP Address for MEDITECH

The Meditech Environment requires a fixed IP address that it can transmit the printer data to.

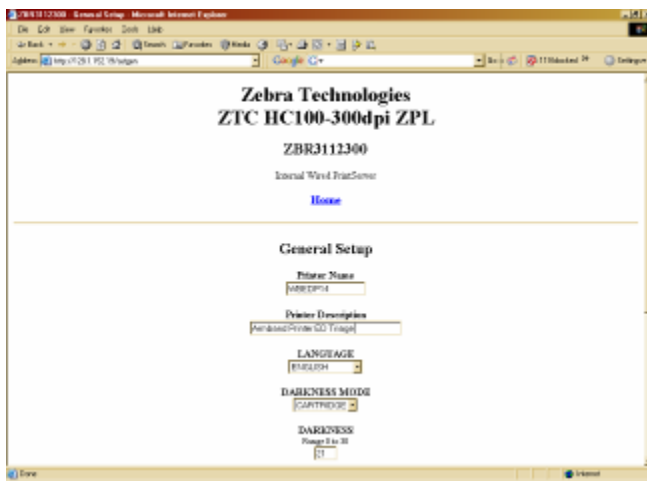
From the Administration Menu of the HC100 Select TCP/IP Configuration.



Enter your desired IP address and set protocol to Permanent. Record the IP Address for later setup in Meditech.

Return to the Admin Page and select the General setup page.

HC100 Printer Setup and Configuration in a Meditech Environment



You can Modify DNS Name on this screen. For ease of maintenance and administration you can set your DNS Name to the Meditech Print Queue Name.

Once you have configured your printer with a fixed IP Address you are ready to set it up in Meditech.

HC100 Printer Setup and Configuration in a Meditech Environment

Meditech Magic Setup and Configuration of the HC100 Armband Printer

Login to Meditech with an Administrative User ID.

Go to the EXT.OPS Menu where you will define the Printer IP Address and Printer Name.

```
Operators' Main Menu                               Alarms: 0
Machine: A                                         Date: Dec 20, 2008   User: Charles Still
Segment: A                                         Time: 16:18         Select? █

1. System Management                               6. Archival
2. Database Backup                                 7. Security
3. Database Management                             8. System Support Tools
4. System Monitoring                               9. Tape Management
5. Caretaker                                       10. Manage Open Systems
```

On this menu #10. “Manage Open Systems”

Please note these are default Meditech Menus and they may have been changed in your host system for the specific ID you are using to login.

```
Manage Open Systems - A                               Select? 15

1. Enter/Edit Remote Links                          UDP/ICMP Options
2. Delete Remote Links
3. List Remote Links And Devices                    19. Enter/Edit SNMP Objects
4. Establish a Remote Link                          20. View SNMP Objects
                                                    21. SNMP Client
Gandalf Printer Options                             22. PING a Remote Host
                                                    23. Traceroute

5. Enter/Edit/Delete Users' Printers                ICP Options
6. List Users' Printers

IP Options                                           24. Manage Connections
                                                    25. Manage Services
7. Enter/Edit Network Information                  26. Enter/Edit Remote Printers
8. Delete Network Information                       27. Delete Remote Printers
9. Enter/Edit Routers                              28. Remote Printer Inquiry
10. Delete Routers                                 29. List Remote Printers
11. List Routers                                   30. LPR Print Queue Status
12. Enter/Edit/Delete Default Routers              31. Enter/Edit Mail Server Information
13. Manage IP Addresses - MAGIC Hosts              32. Receive Mail
14. Manage IP Addresses - TermServers              33. Manage Optical Disk Server
15. Manage IP Addresses - Remote Hosts             34. FTP Client
16. List IP Addresses                              35. Enable/Disable FTP Server Security
```

From the Open Systems Menu Select # 15. “Manage IP Addresses – Remote Hosts”

HC100 Printer Setup and Configuration in a Meditech Environment

Enter/Edit/Delete Remote Host IP Addresses		
Remote Host	IP Address	Expiration
UNAP2	172.24.29.126	
UNAP3	172.24.29.127	
UNAP4	172.24.29.128	
UNAP5	172.24.29.129	
UNAP6	172.24.29.130	

Enter Remote Host IP Address	
Host? HC100	IP Address? 128.1.152.139

WAKH	128.1.100.115	
WB2EP5	128.1.2.95	
WBADM7	128.1.2.97	
WBADM8	128.1.2.98	
WBADM9	128.1.2.99	
WBED5	128.1.11.100	
WBHC100	128.1.152.139	
WBICUP4	128.1.2.94	
WBPACU	128.1.2.100	
WBSDCP1	128.1.2.91	

Use arrows to move cursor; <HOME> for INSERT; <LOOKUP> for GOTO

Hit the Right CTRL Key to Insert a New Record, enter the HOST (Printer) Name and IP Address you previously recorded from the HC100.

Save the Entry (F12) and return to the previous menu, and choose the option to “Enter/Edit Remote Printers”.

Manage Open Systems - A		Select? 19
1. Enter/Edit Remote Links	<u>UDP/ICMP Options</u>	
2. Delete Remote Links		
3. List Remote Links And Devices	19. Enter/Edit SNMP Objects	
4. Establish a Remote Link	20. View SNMP Objects	
	21. SNMP Client	
<u>Gandalf Printer Options</u>	22. PING a Remote Host	
	23. Traceroute	
5. Enter/Edit/Delete Users' Printers	<u>ICP Options</u>	
6. List Users' Printers		
<u>IP Options</u>	24. Manage Connections	
	25. Manage Services	
7. Enter/Edit Network Information	26. Enter/Edit Remote Printers	
8. Delete Network Information	27. Delete Remote Printers	
9. Enter/Edit Routers	28. Remote Printer Inquiry	
10. Delete Routers	29. List Remote Printers	
11. List Routers	30. LPR Print Queue Status	
12. Enter/Edit/Delete Default Routers	31. Enter/Edit Mail Server Information	
13. Manage IP Addresses - MAGIC Hosts	32. Receive Mail	
14. Manage IP Addresses - TermServers	33. Manage Optical Disk Server	
15. Manage IP Addresses - Remote Hosts	34. FTP Client	
16. List IP Addresses	35. Enable/Disable FTP Server Security	

On this menu Choose #26. “Enter/Edit Remote Printers.”

HC100 Printer Setup and Configuration in a Meditech Environment

```
Enter/Edit Remote Printers

Printer? HC100
Description? Zebra HC100 Armband Printer
Model?
TCP Port? 515 Maximum disconnect duration? (seconds, or <blank> for infinite)
Nagle? N
Remote host? HC100
Remote name? HC100
```

Enter the Printer Name you intend to use in Meditech Applications. Leave the “Model?” Field **Blank** there is no specific printer driver necessary to use with the HC100 Armband Printer.

The Remote Host and Remote Name field can be defined as the name you gave your printer in the Open Systems Menu.

Once you have Entered the information on this screen your Printer is Ready to Use!

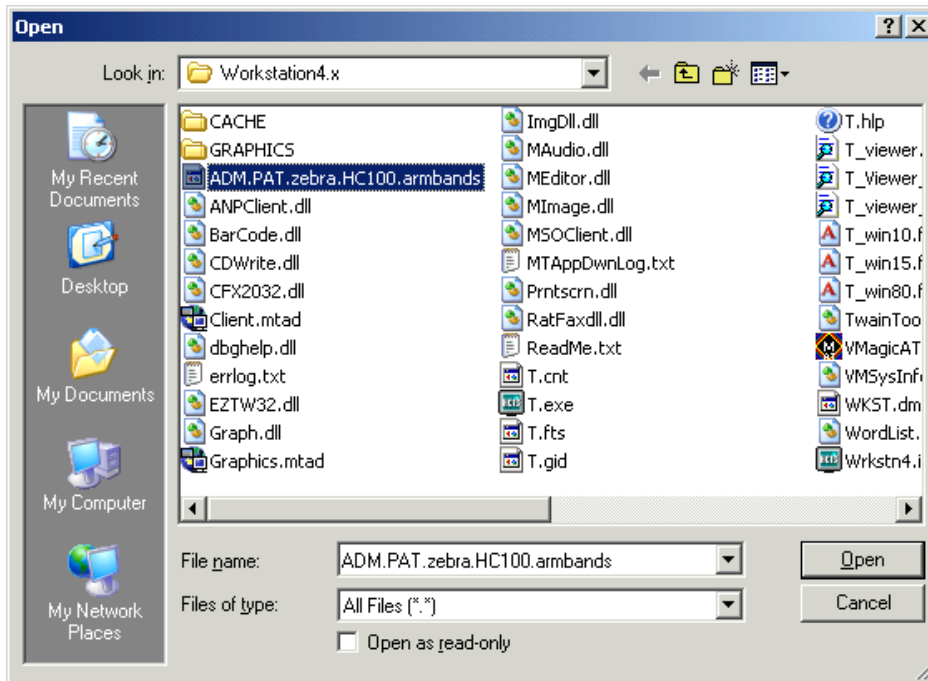
HC100 Printer Setup and Configuration in a Meditech Environment

Uploading the Zebra Printer Armband Formats to Meditech Magic.

Download the Zebra Armband formats to your Local PC

Login to your TEST Meditech Environment NPR Menu

Select “Upload Reports from PC”



Select the ADM.PAT.zebra.HC100.armbands file from the directory that you downloaded it to.

HC100 Printer Setup and Configuration in a Meditech Environment

Hospital	Medical Center		
Comment	Patient Armbands for the Zebra HC100 Printer		
MIS	05.61	Segment	A
User	STH	Directory	TEST.MIS
Date	03/22/09		

The PC file contains the reports listed below. If the Exists field is 'Y' there is an existing procedure in this directory which will be overwritten if the report is uploaded. You may delete any report from the list to prevent its being uploaded.

Report	Exists
ADM.PAT.zcus.zebra.hc100.patient.mband.code128	N
ADM.PAT.zcus.zebra.hc100.patient.mband.twod	N

Once you have selected the Zebra armband format you will be presented with the upload reports screen. Hit F12 To Process and Answer Yes to File.

You can enter 0 at the “Print On” and “Translate” Prompts to have the upload results printed to your screen.

The NPR Report Formats will upload to your ADM.PAT DPM Automatically.

Once you have completed editing and testing your reports you can copy them to your live clinical environment. It is always advisable to test new reports in your test environment.

HC100 Printer Setup and Configuration in a Meditech Environment

Printing the Armband to your Printer

Once you have uploaded and translated the report to your Test Environment you are ready to validate that everything is working correctly. From your NPR Reports Menu Choose “Process” to Print or Edit the Zebra Armband; Choose Option “4. Run” to print.

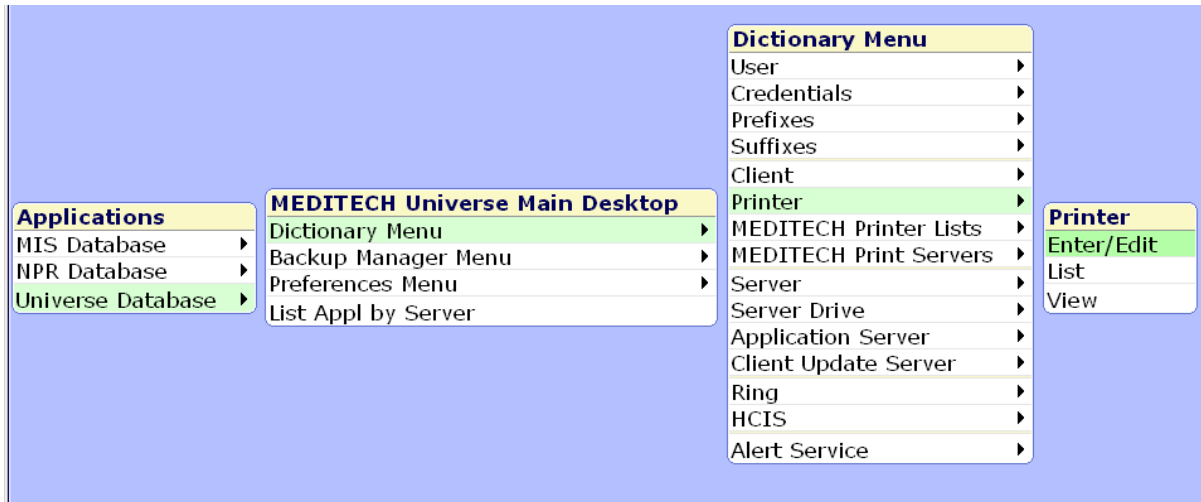
You will be prompted for your Organization, A Patient Name and finally the Printer Destination your defined earlier.

HC100 Printer Setup and Configuration in a Meditech Environment

Meditech Client Server Setup and Configuration of the HC100 Armband Printer

Add Printer to Meditech Client Server

Go to Universe > Dictionary Menu > Printer > Enter/Edit



Mnemonic: Enter Name of Printer you just assigned on Print Server

Network Name: Enter Name of Printer you just assigned on Print Server

(Naming Convention for Printer and Network Name may differ by facility)

Non Windows Socket Connection: N

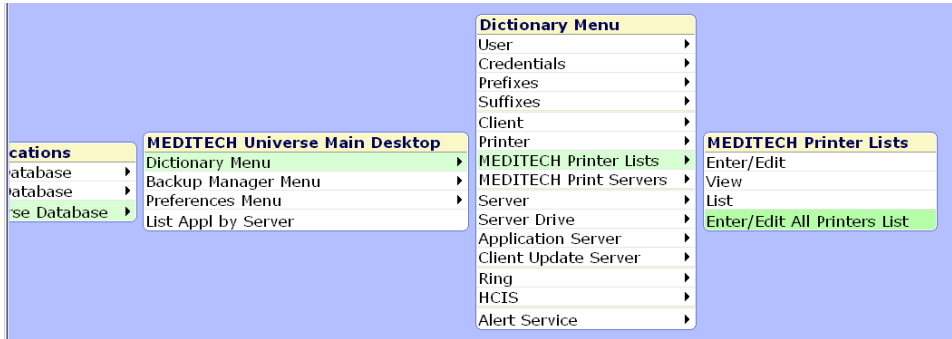
Printer Model: BLANK

The screenshot shows a printer configuration form with the following fields and values:

- Mnemonic: ADD11Z
- * Active: Y
- * Description: Admit Zebra Wrist Band Printer
- Network Name: ADD11Z
- Port: (empty)
- Specialized Printers section:
 - Non-Windows Socket Connection: N
 - Printer Model: (empty)

HC100 Printer Setup and Configuration in a Meditech Environment

Go to Universe > Dictionary Menu > MEDITECH Printer Lists > Enter/Edit All Printers List



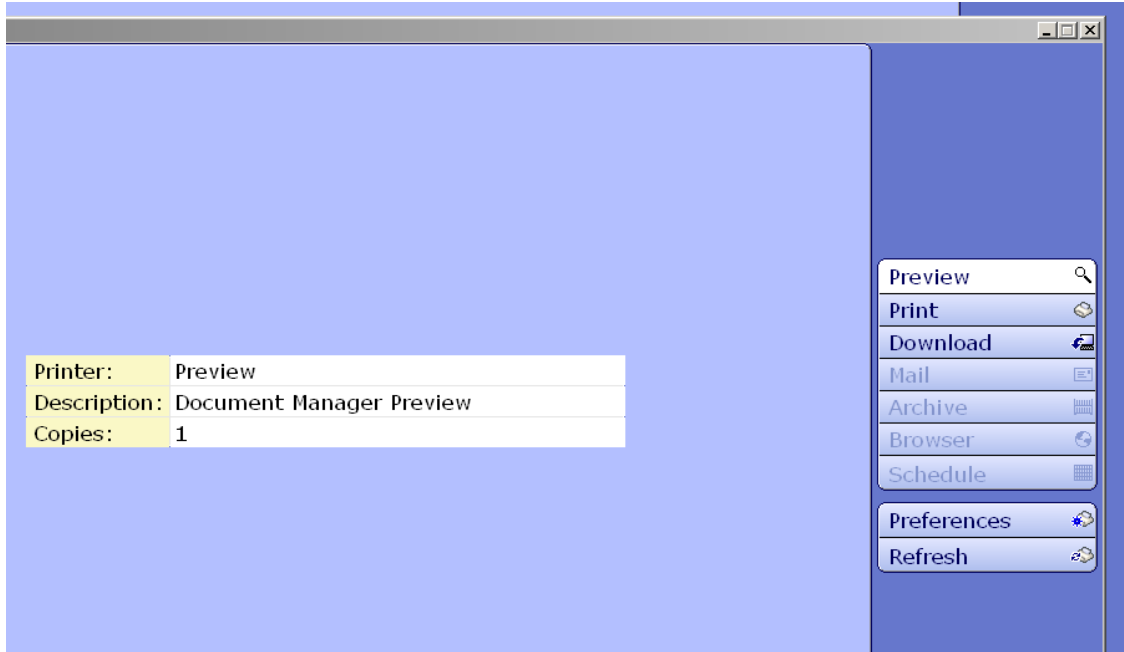
Note new printer is in “All Printers List”.

Printer	*Server	Restrict Access
ACU0	TREPS	
ADD1	TREPS	
CAN0	TREPS	
CRD0	TREPS	
DIE0	TREPS	
ER03	TREPS	
ER04	TREPS	
FFER	TREPS	
FORM	TREPS	
IS04P	TREPS	

File/Save

HC100 Printer Setup and Configuration in a Meditech Environment

Using any print prompt, click **REFRESH** to refresh printer list.



#3 – Create or Upload Wristband Print Format

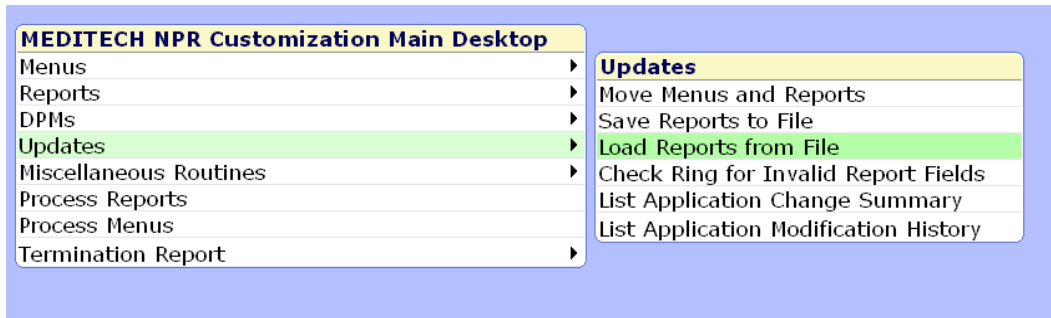
Options:

1. Create NPR to generate Wristband from Meditech <Or>
2. Download existing Standard Wristband Format from zip file (from Zebra).

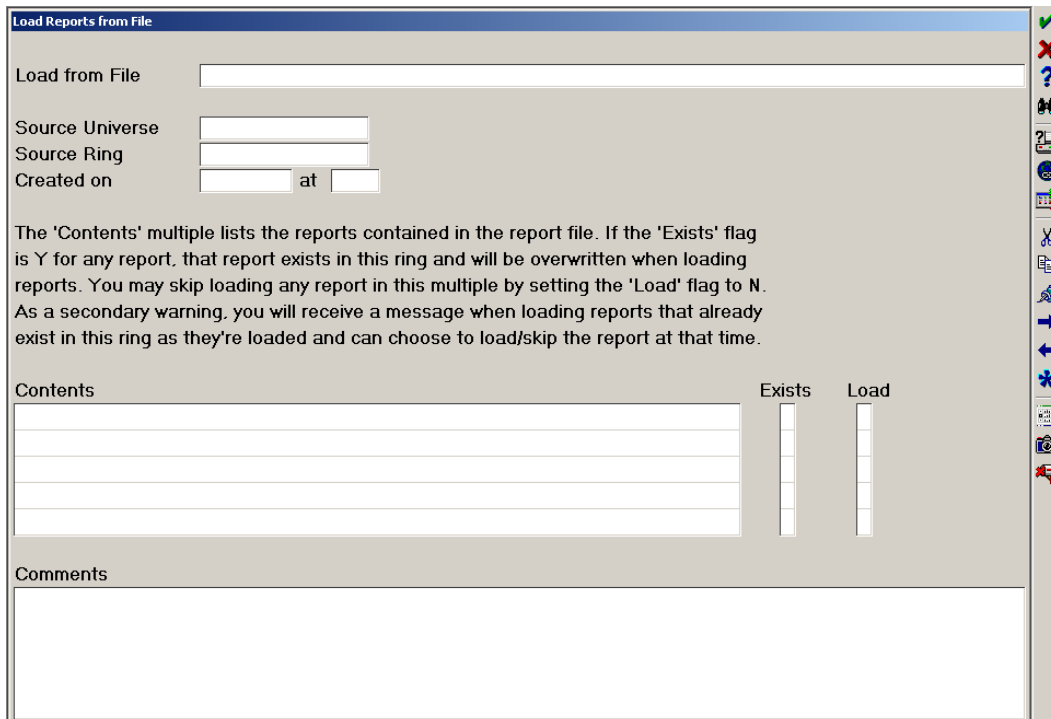
To upload NPR from zip file –

Save zip file to your pc.

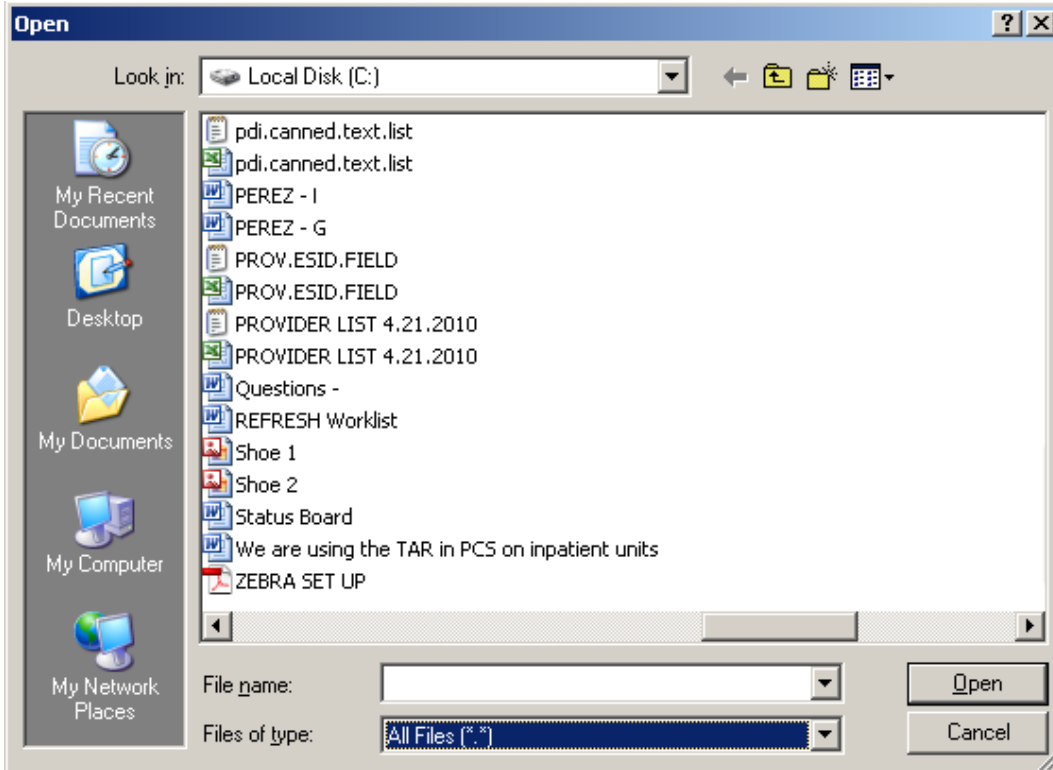
Go to Meditech > NPR > Updates > Load Reports from File



At the *Load From File* field, press the F9 key to locate zip files on your pc.



The Files of Type field should be set to “ALL FILES”.
Double click zip file location.

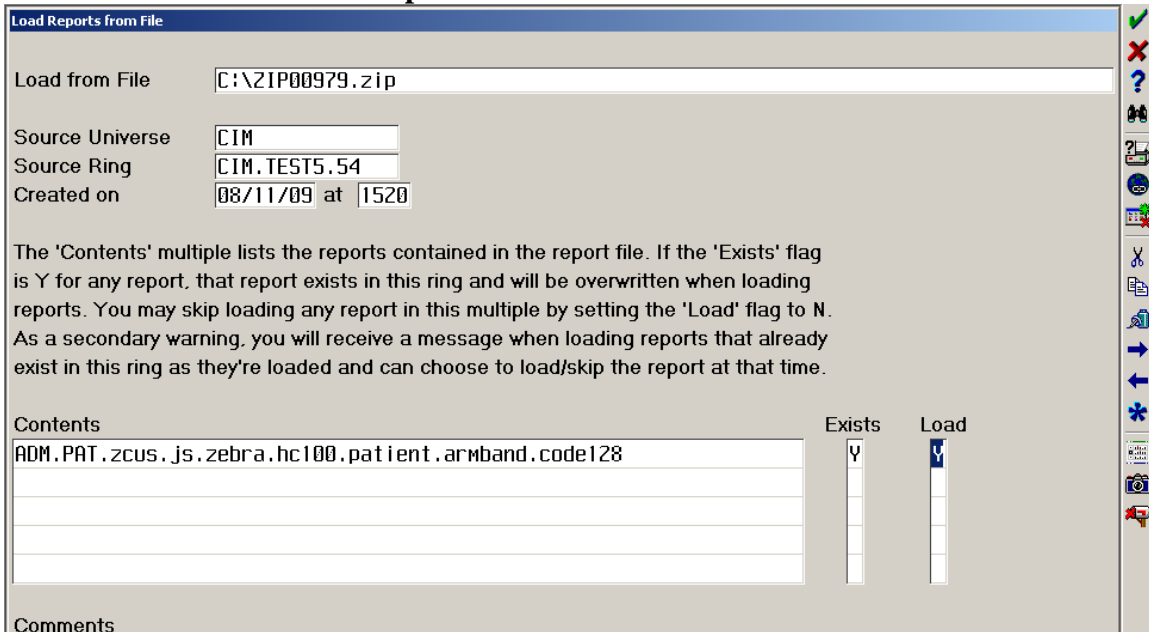


You should see

Exists - N

Load - Y

File/Save/F12 - NPR will be uploaded to Meditech.

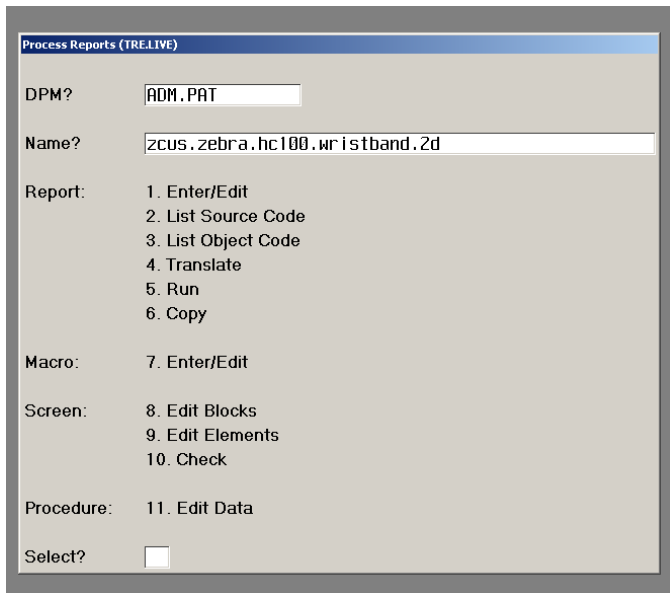


HC100 Printer Setup and Configuration in a Meditech Environment

**Next, go to NPR > Reports > Process
Pull in report that you just uploaded.**

Translate the report (#4)

Run the report to view to ensure that it works (#5)

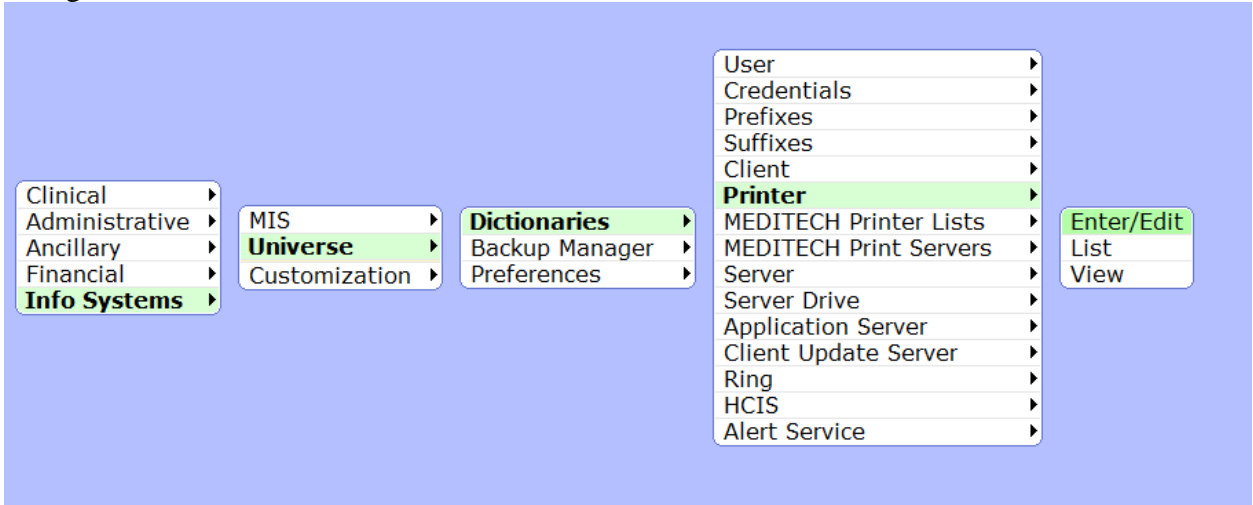


The screenshot shows a window titled "Process Reports (TRE.LIVE)". It contains the following fields and options:

- DPM?: ADM.PAT
- Name?: zcus.zebra.hc100.wristband.Zd
- Report:
 - 1. Enter/Edit
 - 2. List Source Code
 - 3. List Object Code
 - 4. Translate
 - 5. Run
 - 6. Copy
- Macro: 7. Enter/Edit
- Screen:
 - 8. Edit Blocks
 - 9. Edit Elements
 - 10. Check
- Procedure: 11. Edit Data
- Select?

Meditech 6.x Setup and Configuration of the HC100 Armband Printer

Navigate to Printer Definition



Mnemonic

* Active

* Description

Network Name

Port

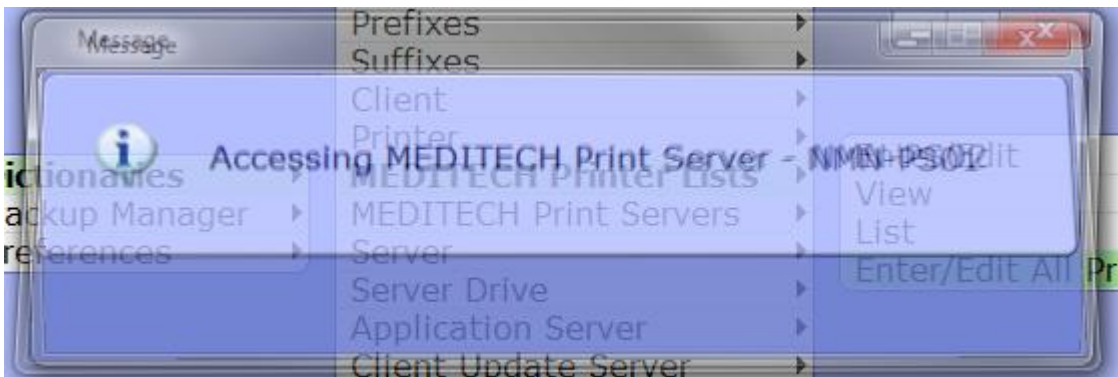
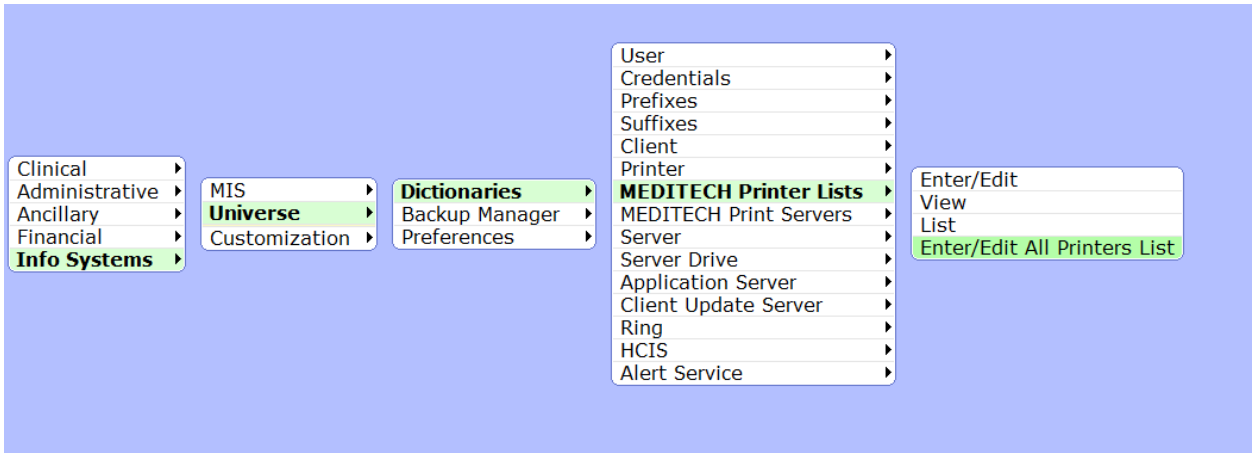
Specialized Printers

Non-Windows Socket Connection

Printer Model

Put the I.P. address in the Network Name field.

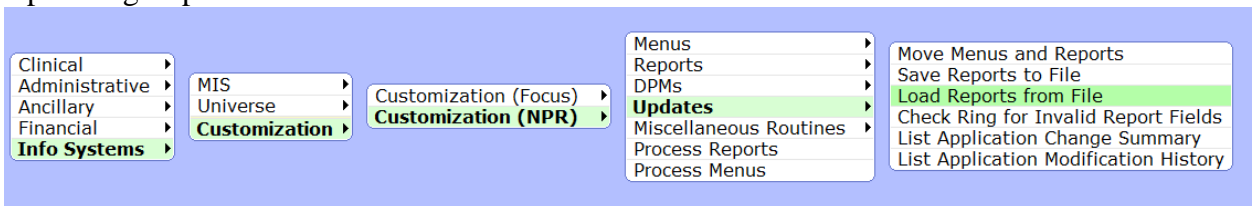
HC100 Printer Setup and Configuration in a Meditech Environment



Printer	*Server	Restrict Access
PDF	PS02	
L3N17W ON LBPRINT (FROM MREOPE	PS01	
MEDITECH DEFAULT	PS02	
MEDITECH-BKG DEFAULT	PS01	
MEDITECHPRINTER	PS02	Y
MICROSOFT XPS DOCUMENT WRITER	PS01	
MICROSOFT XPS DOCUMENT WRITER	PS01	

Then click Save.

Uploading Reports:



HC100 Printer Setup and Configuration in a Meditech Environment

Load Reports from File

Load from File

Source Universe

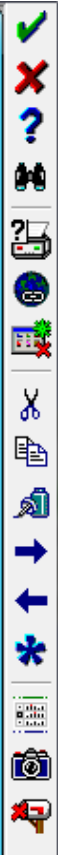
Source Ring

Created on at

The 'Contents' multiple lists the reports contained in the report file. If the 'Exists' flag is Y for any report, that report exists in this ring and will be overwritten when loading reports. You may skip loading any report in this multiple by setting the 'Load' flag to N. As a secondary warning, you will receive a message when loading reports that already exist in this ring as they're loaded and can choose to load/skip the report at that time.

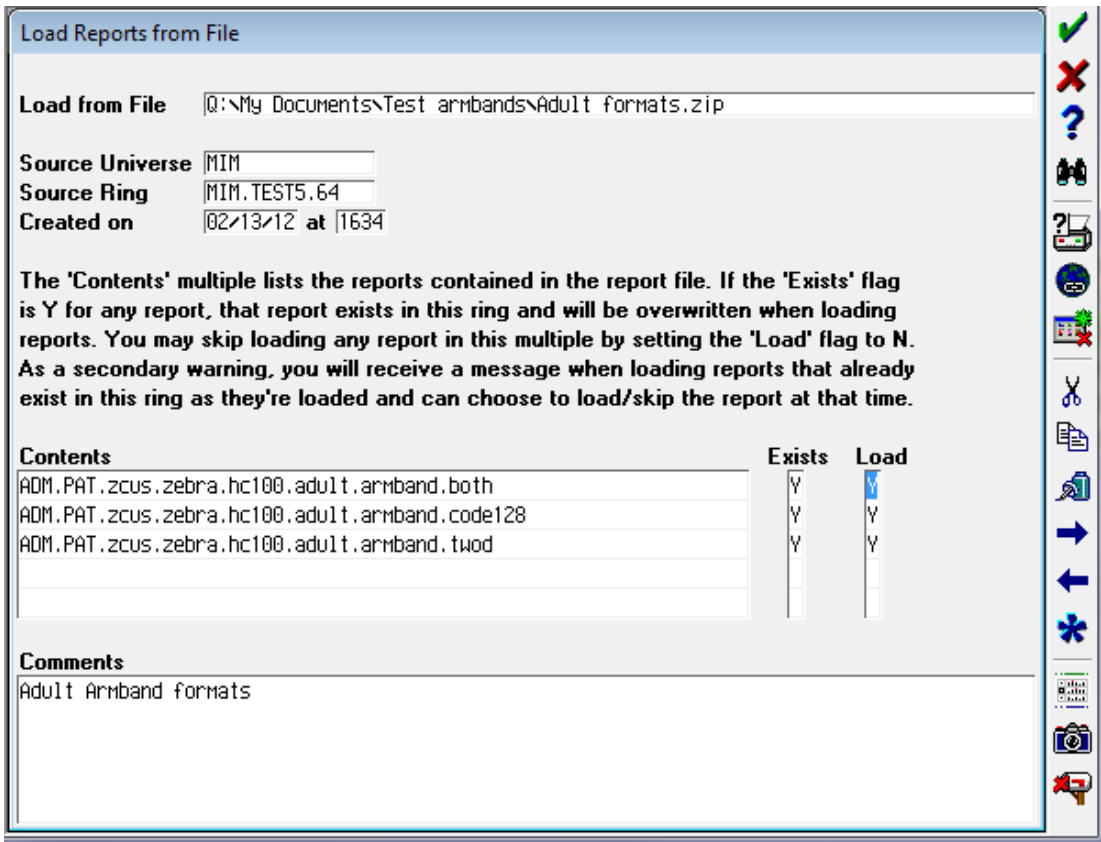
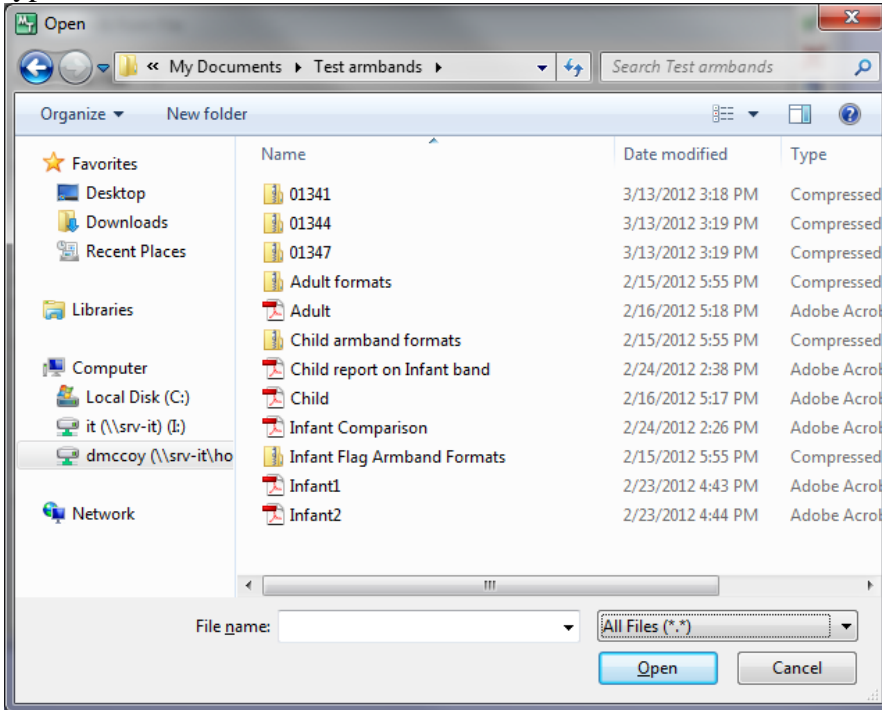
Contents	Exists	Load
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Comments



HC100 Printer Setup and Configuration in a Meditech Environment

F9 to Browse for the report location. Must be in a .zip (dot zip) format. Choose all file types.



HC100 Printer Setup and Configuration in a Meditech Environment

File/Save or click green check mark to upload.

Process Reports:

The screenshot shows a menu hierarchy on a light blue background. On the left, a vertical list includes 'Clinical', 'Administrative', 'Ancillary', 'Financial', and 'Info Systems', with 'Info Systems' highlighted in green. To the right of this list are three sub-menus: 'MIS' (with 'Universe' and 'Customization' highlighted), 'Customization (Focus)', and 'Customization (NPR)'. Further right is another vertical list: 'Menus', 'Reports' (highlighted in green), 'DPMs', 'Updates', 'Miscellaneous Routines', 'Process Reports', and 'Process Menus'. On the far right, a dropdown menu is open under 'Process Reports', listing options such as 'Process', 'Copy', 'List', 'Expunge', 'Rename', 'Translate', 'Advanced Translate', 'Advanced Translation Review and Report', 'View Background Jobs', and 'Initialize Report from Standard'.

The 'Process Reports' configuration window has a light blue header. It contains several fields and a list of steps:

- DPM?** ADM.PAT
- Name?** zcus.zebra.hc100.wristband.2d
- Report:**
 1. Enter/Edit
 2. List Source Code
 3. List Object Code
 4. Translate
 5. Run
 6. Copy
- Macro:** 7. Enter/Edit
- Screen:**
 8. Edit Blocks
 9. Edit Elements
 10. Check
- Procedure:** 11. Edit Data
- Select?**

#5 to run reports.

HC100 Printer Setup and Configuration in a Meditech Environment

The Code for the Armband Formats

All of the armband formats Magic, C/S, and 6.x Use the SAME code in the underlying NPR Report Writer formats for the specific platform they have been created for. The detail code follows.

Below is a list of the Published 2012 Armband Formats and Supported Armband Stock

File	Version	NPR Contained	Armband Format
01339	Magic	ADM.PAT.zcus.zebra.hc100.child.armband.128b	10011953K
01339	Magic	ADM.PAT.zcus.zebra.hc100.child.armband.twod	10011953K
01339	Magic	ADM.PAT.zcus.zebra.hc100.child.armband.mixed	10011953K
01340	Magic	ADM.PAT.zcus.zebra.hc100.infant.flag.code128	10007746K
01340	Magic	ADM.PAT.zcus.zebra.hc100.infant.flag.mixed	10007746K
01340	Magic	ADM.PAT.zcus.zebra.hc100.infant.flag.twod	10007746K
00899	Magic	ADM.PAT.zcus.zebra.hc100.patient.armband.twod (Mixed)	10006995K
00899	Magic	ADM.PAT.zcus.zebra.hc100.patient.armband.code128	10006995K
File	Version	NPR Contained	Armband Format
01341	C/S - 6.x	ADM.PAT.zcus.zebra.hc100.adult.armband.both	1006995K / 10007000K
01342	C/S - 6.x	ADM.PAT.zcus.zebra.hc100.adult.armband.code128	1006995K / 10007000K
01343	C/S - 6.x	ADM.PAT.zcus.zebra.hc100.adult.armband.twod	1006995K / 10007000K
01344	C/S - 6.x	ADM.PAT.zcus.zebra.hc100.child.armband.both	10011953K
01345	C/S - 6.x	ADM.PAT.zcus.zebra.hc100.child.armband.twod	10011953K
01346	C/S - 6.x	ADM.PAT.zcus.zebra.hc100.child.armband.code128	10011953K
01347	C/S - 6.x	ADM.PAT.zcus.zebra.hc100.infant.flag.both	10007746K
01348	C/S - 6.x	ADM.PAT.zcus.zebra.hc100.infant.flag.code128	10007746K
01349	C/S - 6.x	ADM.PAT.zcus.zebra.hc100.infant.flag.twod	10007746K

HC100 Printer Setup and Configuration in a Meditech Environment

Zebra Armband Cartridge 10011953K

ADM.PAT.zcus.zebra.hc100.child.armband.128b

```
-----
1 LC = "^FX.THIS HEADER COMPONENT IS FOR PRINTER INITIALIZATION^FS^!"
2 LC = c.xx.number^/NUM,""
3 LC = "^XA~TA000~JSN^LT0^MNM^MTD^PON^PMN^LH0,0^JMA^PR2,2^MD21^JUS^LRN^CI0^XZ"^!
4 LC = "^XA"^!
5 LC = "^MMT"^!
6 LC = "^PW300"^!
7 LC = "^LSO"^!
8 LC = "^FX.The Following Section contains Patient Attributes^FS^!"
9 LC = IF{@name%26_ .= 1,"^FT85,1200^A0B,65,62^FH^FD" _@name_ "^FS^!"}
10 LC = IF{@name%26_ '=. 1,"^FT85,1200^A0B,60,55^FH^FD" _@name_ "^FS^!"}
11 LC = "^FT140,1200^A0B,42,46^FH^FD" _@FDDOB:"^FS^!"
12 LC = "^FT140,880^A0B,42,46^FH^FD" _@age_ "^FS^!"
13 LC = "^FT140,645^A0B,42,46^FH^FD" _@sex_ "^FS^!"
14 LC = "^FT140,1110^A0B,42,46^FH^FD" _%Z.date.text(@birthdate,"N/D/y") _ "^FS^!"
15 LC = "^FT200,1200^A0B,36,34^FH^FD" _@attend.doctor.name_ "^FS^!"
16 LC = "^FT225,130^A0B,21,20^FH^FD" _@.user_ "^FS^!"
17 LC = "^FT285,100^A0B,21,20^FH^FD" _%Z.date.text(@.today,"N/D/y") _ "^FS^!"
18 LC = "^FT255,100^A0B,21,20^FH^FD" _@.now_ "^FS^!"
19 LC = "^FT200,780^A0B,42,40^FH^FD" _@unit.number_ "^FS^!"
20 LC = "^FT58,290^A0N,42,40^FH^FD" _@acct.number_ "^FS^!"
21 LC = "^FT140,300^A0B,42,40^FH^FD" _room.and.bed_ "^FS^!"
22 LC = "^FT200,500^A0B,42,40^FH^FD" _%Z.date.text(@adm.svc.res.date.out,"N/D/y") _ "^FS^!"
23 LC = "^FT140,500^A0B,42,46^FH^FD" _@location_ "^FS^!"
24 LC = "^FX.The Following Section contains the Code 128 + 2D Barcodes^FS^!"
25 LC = "^BY2,3,100^FT290,150^BCI,,N,N,N,A^FD" _@acct.number_ "^FS^!"
26 LC = "^BY2,3,100^FT290,1210^BCI,,N,N,N,A^FD" _@acct.number_ "^FS^!"
27 LC = "^BY2,2,73^FT290,1125^BCB,,N,N,N,A^FD" _@acct.number_ "^FS^!"
28 LC = "^BY2,2,73^FT290,700^BCB,,N,N,N,A^FD" _@acct.number_ "^FS^!"
29 LC = "^FX.Change the PQ# in the next line to change the number of armbands^FS^!"
30 LC = "^PQ1,0,1,Y^XZ"^!
```

Zebra Armband Cartridge 10011953K

zcus.zebra.hc100.child.armband.mixed

```
1 LC = "^FX.THIS HEADER COMPONENT IS FOR PRINTER INITIALIZATION^FS^!"
2 LC = ""^CKD,"^FX.THIS HEADER COMPONENT IS TO ADD A CHECK DIGIT^FS^!"
3 LC = "BOTH"^BARCODE,"^FX.THIS SETS THE BARCODE STYLE, 2D or BOTH^FS^!"
4 LC = c.xx.number^/NUM,""
5 LC = "^XA~TA000~JSN^LT0^MNM^MTD^PON^PMN^LH0,0^JMA^PR2,2^MD21^JUS^LRN^CI0^XZ"^!
6 LC = "^XA"^!
7 LC = "^MMT"^!
8 LC = "^PW300"^!
9 LC = "^LSO"^!
10 LC = "^FX.The Following Section contains Patient Attributes^FS^!"
11 LC = IF{@name%26_ .= 1,"^FT85,1200^A0B,65,62^FH^FD" _@name_ "^FS^!"}
12 LC = IF{@name%26_ '=. 1,"^FT85,1200^A0B,60,55^FH^FD" _@name_ "^FS^!"}
13 LC = "^FT140,1200^A0B,42,46^FH^FD" _@FDDOB:"^FS^!"
14 LC = "^FT140,880^A0B,42,46^FH^FD" _@age_ "^FS^!"
15 LC = "^FT140,645^A0B,42,46^FH^FD" _@sex_ "^FS^!"
16 LC = "^FT140,1110^A0B,42,46^FH^FD" _%Z.date.text(@birthdate,"N/D/y") _ "^FS^!"
17 LC = "^FT200,1200^A0B,36,34^FH^FD" _@attend.doctor.name_ "^FS^!"
18 LC = "^FT225,130^A0B,21,20^FH^FD" _@.user_ "^FS^!"
19 LC = "^FT285,100^A0B,21,20^FH^FD" _%Z.date.text(@.today,"N/D/y") _ "^FS^!"
20 LC = "^FT255,100^A0B,21,20^FH^FD" _@.now_ "^FS^!"
21 LC = "^FT200,780^A0B,42,40^FH^FD" _@unit.number_ "^FS^!"
22 LC = IF{BARCODE="BOTH" 1,"^FT58,290^A0N,42,40^FH^FD" _@acct.number_ "^FS^!"}
24 LC = "^FT200,500^A0B,42,40^FH^FD" _%Z.date.text(@adm.svc.res.date.out,"N/D/y") _ "^FS^!"
25 LC = "^FT140,500^A0B,42,46^FH^FD" _@location_ "^FS^!"
26 LC = "^FX.The Following Section contains the Code 128 + 2D Barcodes^FS^!"
27 LC = IF{BARCODE="BOTH" 1,"^BY2,3,100^FT290,150^BCI,,N,N,N,A^FD" _@acct.number_ "^FS^!"}
28 LC = IF{BARCODE="BOTH" 1,"^BY2,3,100^FT290,1210^BCI,,N,N,N,A^FD" _@acct.number_ "^FS^!"}
29 LC = IF{BARCODE="2D"
1,"^BY70,70^FT290,1300^BxB,6,200,0,0,1^FD" _CKD_@acct.number_ "^FS^!"}
30 LC = IF{BARCODE="2D"
1,"^BY70,70^FT150,1300^BxB,6,200,0,0,1^FD" _CKD_@acct.number_ "^FS^!"}
```

HC100 Printer Setup and Configuration in a Meditech Environment

```
31 LC = IF{BARCODE="2D"  
1,"^BY70,70^FT290,250^BXB,7,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
32 LC = IF{BARCODE="2D"  
1,"^BY70,70^FT150,250^BXB,7,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
35 LC = "^BY70,70^FT299,1175^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
36 LC = "^BY70,70^FT299,1075^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
37 LC = "^BY70,70^FT299,975^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
38 LC = "^BY70,70^FT299,875^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
39 LC = "^BY70,70^FT299,775^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
40 LC = "^BY70,70^FT299,675^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
41 LC = "^BY70,70^FT299,575^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
42 LC = "^BY70,70^FT299,475^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
43 LC = "^BY70,70^FT299,375^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
44 LC = IF{BARCODE="2D"  
1,"^BY70,70^FT150,250^BXB,7,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
48 LC = "^FX.Change the PQ# in the next line to change the number of armbands^FS"^!  
49 LC = "^PQ1,0,1,Y^XZ"^!
```

Zebra Armband Cartridge 10011953K zcus.zebra.hc100.child.armband.twod

```
1 LC = "^FX.THIS HEADER COMPONENT IS FOR PRINTER INITIALIZATION^FS"^!  
2 LC = ""^CKD,"^FX.THIS HEADER COMPONENT IS TO ADD A CHECK DIGIT^FS"^!  
3 LC = "2D"^BARCODE,"^FX.THIS SETS THE BARCODE STYLE, 2D or BOTH^FS"^!  
4 LC = c.xx.number^/NUM,""  
5 LC = "^XA~TA000~JSN^LT0^MNM^MTD^PON^PMN^LH0,0^JMA^PR2,2^MD21^JUS^LRN^CI0^XZ"^!  
6 LC = "^XA"^!  
7 LC = ""^MMT"^!  
8 LC = ""^PW300"^!  
9 LC = ""^LSO"^!  
10 LC = ""^FX.The Following Section contains Patient Attributes^FS"^!  
11 LC = IF{@name%26_=. 1,"^FT85,1200^A0B,65,62^FH\^FD" _@name_"^FS"^!  
12 LC = IF{@name%26_.'=. 1,"^FT85,1200^A0B,60,55^FH\^FD" _@name_"^FS"^!  
13 LC = ""^FT140,1200^A0B,42,46^FH\^FD" _@attend.doctor.name_"^FS"^!  
14 LC = ""^FT140,880^A0B,42,46^FH\^FD" _@age_"^FS"^!  
15 LC = ""^FT140,645^A0B,42,46^FH\^FD" _@sex_"^FS"^!  
16 LC = ""^FT140,1110^A0B,42,46^FH\^FD" _%Z.date.text(@birthdate,"N/D/y")_"^FS"^!  
17 LC = ""^FT200,1200^A0B,36,34^FH\^FD" _@attend.doctor.name_"^FS"^!  
18 LC = ""^FT225,130^A0B,21,20^FH\^FD" _@.user_"^FS"^!  
19 LC = ""^FT285,100^A0B,21,20^FH\^FD" _%Z.date.text(@.today,"N/D/y")_"^FS"^!  
20 LC = ""^FT255,100^A0B,21,20^FH\^FD" _@.now_"^FS"^!  
21 LC = ""^FT200,780^A0B,42,40^FH\^FD" _@unit.number_"^FS"^!  
22 LC = IF{BARCODE="BOTH" 1,"^FT58,290^A0N,42,40^FH\^FD" _@acct.number_"^FS"^!  
24 LC = ""^FT200,500^A0B,42,40^FH\^FD" _%Z.date.text(@adm.svc.res.date.out,"N/D/y")_"^FS"^!  
25 LC = ""^FT140,500^A0B,42,46^FH\^FD" _@location_"^FS"^!  
26 LC = ""^FX.The Following Section contains the Code 128 + 2D Barcodes^FS"^!  
27 LC = IF{BARCODE="BOTH" 1,"^BY2,3,100^FT290,150^BCI,,N,N,N,A^FD" _@acct.number_"^FS"^!  
28 LC = IF{BARCODE="BOTH" 1,"^BY2,3,100^FT290,1210^BCI,,N,N,N,A^FD" _@acct.number_"^FS"^!  
29 LC = IF{BARCODE="2D"  
1,"^BY70,70^FT290,1300^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
30 LC = IF{BARCODE="2D"  
1,"^BY70,70^FT150,1300^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
31 LC = IF{BARCODE="2D"  
1,"^BY70,70^FT290,250^BXB,7,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
32 LC = IF{BARCODE="2D"  
1,"^BY70,70^FT150,250^BXB,7,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
35 LC = "^BY70,70^FT299,1175^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
36 LC = "^BY70,70^FT299,1075^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
37 LC = "^BY70,70^FT299,975^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
38 LC = "^BY70,70^FT299,875^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
39 LC = "^BY70,70^FT299,775^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
40 LC = "^BY70,70^FT299,675^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
41 LC = "^BY70,70^FT299,575^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
42 LC = "^BY70,70^FT299,475^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
43 LC = "^BY70,70^FT299,375^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
44 LC = IF{BARCODE="2D"  
1,"^BY70,70^FT150,250^BXB,7,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
48 LC = ""^FX.Change the PQ# in the next line to change the number of armbands^FS"^!
```

HC100 Printer Setup and Configuration in a Meditech Environment

49 LC = "^PQ1,0,1,Y^XZ"^^!

Zebra Armband Cartridge 10007746K ADM.PAT.zcus.zebra.hc100.infant.flag.code128

```
1 LC = "^FX.THIS HEADER COMPONENT IS FOR PRINTER INITIALIZATION^FS^!"
2 LC = "1D^BARCODE,"^FX.THIS SETS THE BARCODE STYLE, 1D^FS^!"
3 LC = c.xx.number^/NUM,""
4 LC = "^XA~TA000~JSN^LT0^MNM^MTD^PON^PMN^LH0,0^JMA^PR2,2^MD21^JUS^LRN^CI0^XZ"^^!
5 LC = "^XA"^^!
6 LC = "^MMT"^^!
7 LC = "^LL3300"^^!
8 LC = "^PW300"^^!
9 LC = "^LSO"^^!
10 LC = "^FX.The Following Section contains Patient Attributes^FS^!"
11 LC = IF{@name%26_.=. 1,"^FT110,2025^A0B,52,40^FH^FD" _@name_ "^FS"^^!}
12 LC = IF{@name%26_.'=. 1,"^FT110,2025^A0B,42,35^FH^FD" _@name_ "^FS"^^!}
13 LC = "^FT160,2025^A0B,42,40^FH^FDDOB:^FS"^^!
14 LC = "^FT160,1750^A0B,42,40^FH^FD" _@current.age_ "^FS"^^!
15 LC = "^FT160,1530^A0B,42,40^FH^FD" _@sex_ "^FS"^^!
16 LC = "^FT160,1940^A0B,42,40^FH^FD" _%Z.date.text(@birthdate,"N/D/y")_ "^FS"^^!
17 LC = "^FT175,1390^A0B,21,20^FH^FD" _@.user_ "^FS"^^!
18 LC = "^FT215,1340^A0B,21,20^FH^FD" _%Z.date.text(@.today,"N/D/y")_ "^FS"^^!
19 LC = "^FT215,1390^A0B,21,20^FH^FD" _@.now_ "^FS"^^!
20 LC = "^FX. On the Next line REPLAE unit.number with acct.number for patient
visit^FS^!"
21 LC = "^FT210,2025^A0B,42,40^FH^FD" _@unit.number_ "^FS"^^!
22 LC = "^FT260,2025^A0B,42,40^FH^FD" _@room_ "^FS"^^!
23 LC =
"^FT210,1800^A0B,42,40^FH^FD" _%Z.date.text(@adm.svc.res.date.out,"N/D/y")_ "^FS"^^!
24 LC = "^FX.The Following Section contains the Barcodes^FS^!"
25 LC = IF{BARCODE="1D" 1,"^BY2,2,50^FT265,1700^BCB,,N,N,N,A^FD" _@acct.number_ "^FS"^^!}
26 LC = IF{BARCODE="1D" 1,"^BY2,2,100^FT215,320^BCB,,N,N,N,A^FD" _@acct.number_ "^FS"^^!}
27 LC = IF{BARCODE="1D" 1,"^BY2,2,100^FT215,700^BCB,,N,N,N,A^FD" _@acct.number_ "^FS"^^!}
28 LC = IF{BARCODE="1D" 1,"^BY2,2,100^FT215,1080^BCB,,N,N,N,A^FD" _@acct.number_ "^FS"^^!}
29 LC = "^FX.Change the PQ# in the next line to change the number of armbands^FS^!"
30 LC = "^PQ1,0,1,Y^XZ"^^!
```

Zebra Armband Cartridge 10007746K ADM.PAT.zcus.zebra.hc100.infant.flag.mixed

```
1 LC = "^FX.THIS HEADER COMPONENT IS FOR PRINTER INITIALIZATION^FS^!"
2 LC = ""^CKD,"^FX.THIS HEADER COMPONENT IS TO ADD A CHECK DIGIT^FS^!"
3 LC = "BOTH^BARCODE,"^FX.THIS SETS THE BARCODE STYLE, 2D or BOTH^FS^!"
4 LC = c.xx.number^/NUM,""
5 LC = "^XA~TA000~JSN^LT0^MNM^MTD^PON^PMN^LH0,0^JMA^PR2,2^MD21^JUS^LRN^CI0^XZ"^^!
6 LC = "^XA"^^!
7 LC = "^MMT"^^!
8 LC = "^LL3300"^^!
9 LC = "^PW300"^^!
10 LC = "^LSO"^^!
11 LC = "^FX.The Following Section contains Patient Attributes^FS^!"
12 LC = IF{@name%26_.=. 1,"^FT110,2025^A0B,52,40^FH^FD" _@name_ "^FS"^^!}
13 LC = IF{@name%26_.'=. 1,"^FT110,2025^A0B,42,35^FH^FD" _@name_ "^FS"^^!}
14 LC = "^FT160,2025^A0B,42,40^FH^FDDOB:^FS"^^!
15 LC = "^FT160,1750^A0B,42,40^FH^FD" _@current.age_ "^FS"^^!
16 LC = "^FT160,1530^A0B,42,40^FH^FD" _@sex_ "^FS"^^!
17 LC = "^FT160,1940^A0B,42,40^FH^FD" _%Z.date.text(@birthdate,"N/D/y")_ "^FS"^^!
19 LC = "^FT175,1390^A0B,21,20^FH^FD" _@.user_ "^FS"^^!
20 LC = "^FT215,1340^A0B,21,20^FH^FD" _%Z.date.text(@.today,"N/D/y")_ "^FS"^^!
21 LC = "^FT215,1390^A0B,21,20^FH^FD" _@.now_ "^FS"^^!
22 LC = "^FX. On the Next line REPLAE unit.number with acct.number for patient
visit^FS^!"
23 LC = "^FT210,2025^A0B,42,40^FH^FD" _@unit.number_ "^FS"^^!
24 LC = "^FT260,2025^A0B,42,40^FH^FD" _@room_ "^FS"^^!
26 LC =
"^FT210,1800^A0B,42,40^FH^FD" _%Z.date.text(@adm.svc.res.date.out,"N/D/y")_ "^FS"^^!
27 LC = "^FX.The Following Section contains the 2D Barcodes^FS^!"
```

HC100 Printer Setup and Configuration in a Meditech Environment

```
28 LC = IF{BARCODE="2D"  
1,"^BY60,60^FT265,1620^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
29 LC = IF{BARCODE="2D"  
1,"^BY70,70^FT265,1530^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
30 LC = IF{BARCODE="BOTH" 1,"^BY2,2,50^FT265,1700^BCB,,N,N,N,A^FD"_@acct.number_"^FS"^!  
31 LC = "^BY70,70^FT215,100^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
32 LC = "^BY70,70^FT215,220^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
33 LC = "^BY70,70^FT215,340^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
34 LC = "^BY70,70^FT215,460^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
35 LC = "^BY70,70^FT215,580^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
36 LC = "^BY60,60^FT215,700^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
37 LC = "^BY70,70^FT215,820^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
38 LC = "^BY70,70^FT215,940^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
39 LC = "^BY70,70^FT215,1060^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
40 LC = "^BY70,70^FT215,1180^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
41 LC = "^FX.Change the PQ# in the next line to change the number of armbands^FS"^!  
42 LC = "^PQ1,0,1,Y^XZ"^!
```

Zebra Armband Cartridge 10007746K

ADM.PAT.zcus.zebra.hc100.infant.flag.twod

```
1 LC = "^FX.THIS HEADER COMPONENT IS FOR PRINTER INITIALIZATION^FS"^!  
2 LC = ""^CKD,"^FX.THIS HEADER COMPONENT IS TO ADD A CHECK DIGIT^FS"^!  
3 LC = "2D^BARCODE,"^FX.THIS SETS THE BARCODE STYLE, 2D or BOTH^FS"^!  
4 LC = c.xx.number^/NUM,""  
5 LC = "^XA~TA000~JSN^LTO^MNM^MTD^PON^PMN^LH0,0^JMA^PR2,2^MD21^JUS^LRN^CI0^XZ"^!  
6 LC = "^XA"^!  
7 LC = "MMT"^!  
8 LC = "LL3300"^!  
9 LC = "PW300"^!  
10 LC = "LSO"^!  
11 LC = "^FX.The Following Section contains Patient Attributes^FS"^!  
12 LC = IF{@name%26_.=. 1,"^FT110,2025^A0B,52,40^FH^FD"_@name_"^FS"^!  
13 LC = IF{@name%26_.!=. 1,"^FT110,2025^A0B,42,35^FH^FD"_@name_"^FS"^!  
14 LC = "^FT160,2025^A0B,42,40^FH^FDDOB:^FS"^!  
15 LC = "^FT160,1750^A0B,42,40^FH^FD"_@current.age_"^FS"^!  
16 LC = "^FT160,1530^A0B,42,40^FH^FD"_@sex_"^FS"^!  
17 LC = "^FT160,1940^A0B,42,40^FH^FD"_%Z.date.text(@birthdate,"N/D/y")_"^FS"^!  
19 LC = "^FT175,1390^A0B,21,20^FH^FD"_@.user_"^FS"^!  
20 LC = "^FT215,1340^A0B,21,20^FH^FD"_%Z.date.text(@.today,"N/D/y")_"^FS"^!  
21 LC = "^FT215,1390^A0B,21,20^FH^FD"_@.now_"^FS"^!  
22 LC = "^FX. On the Next line REPLAE unit.number with acct.number for patient  
visit^FS"^!  
23 LC = "^FT210,2025^A0B,42,40^FH^FD"_@unit.number_"^FS"^!  
24 LC = "^FT260,2025^A0B,42,40^FH^FD"_@room_"^FS"^!  
26 LC =  
"^FT210,1800^A0B,42,40^FH^FD"_%Z.date.text(@adm.svc.res.date.out,"N/D/y")_"^FS"^!  
27 LC = "^FX.The Following Section contains the 2D Barcodes^FS"^!  
28 LC = IF{BARCODE="2D"  
1,"^BY60,60^FT265,1620^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
29 LC = IF{BARCODE="2D"  
1,"^BY70,70^FT265,1530^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
30 LC = IF{BARCODE="BOTH" 1,"^BY2,2,50^FT265,1700^BCB,,N,N,N,A^FD"_@acct.number_"^FS"^!  
31 LC = "^BY70,70^FT215,100^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
32 LC = "^BY70,70^FT215,220^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
33 LC = "^BY70,70^FT215,340^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
34 LC = "^BY70,70^FT215,460^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
35 LC = "^BY70,70^FT215,580^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
36 LC = "^BY60,60^FT215,700^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
37 LC = "^BY70,70^FT215,820^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
38 LC = "^BY70,70^FT215,940^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
39 LC = "^BY70,70^FT215,1060^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
40 LC = "^BY70,70^FT215,1180^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!  
41 LC = "^FX.Change the PQ# in the next line to change the number of armbands^FS"^!  
42 LC = "^PQ1,0,1,Y^XZ"^!
```

Zebra Armband Cartridge 10006995K (or 10007000K C/S & 6.0 Only)

ADM.PAT.zcus.zebra.hc100.patient.armband.twod

```
1 LC = "^FX.THIS HEADER COMPONENT IS FOR PRINTER INITIALIZATION^FS"^!
```

HC100 Printer Setup and Configuration in a Meditech Environment

```
2 LC = ""^CKD,"^FX.THIS HEADER COMPONENT IS TO ADD A CHECK DIGIT^FS^!"
3 LC = "BOTH"^BARCODE,"^FX.THIS SETS THE BARCODE STYLE, 2D or BOTH^FS^!"
4 LC = c.xx.number^/NUM,""
5 LC = "^XA~TA000~JSN^LT0^MNM^MTD^PON^PMN^LH0,0^JMA^PR2,2^MD21^JUS^LRN^CI0^XZ"^!
6 LC = "^XA"^!
7 LC = ""^MMT"^!
8 LC = ""^LL3300"^!
9 LC = ""^PW300"^!
10 LC = ""^LSO"^!
11 LC = ""^FX.The Following Section contains Patient Attributes^FS^!"
12 LC = ""^FT85,2516^A0B,67,67^FH^FD"_"@name_"^FS^!"
13 LC = ""^FT140,2516^A0B,46,76^FH^FD"_"@FDDOB:"^FS^!"
14 LC = ""^FT140,2000^A0B,46,76^FH^FD"_"@age_"^FS^!"
15 LC = ""^FT140,1865^A0B,46,76^FH^FD"_"@sex_"^FS^!"
16 LC = ""^FT140,2337^A0B,46,76^FH^FD"_"%Z.date.text(@birthdate,"N/D/y")_"^FS^!"
17 LC = ""^FT200,2516^A0B,42,40^FH^FD"_"@attend.doctor.name_"^FS^!"
18 LC = ""^FT100,350^A0B,21,20^FH^FD"_"@.user_"^FS^!"
19 LC = ""^FT100,200^A0B,21,20^FH^FD"_"%Z.date.text(@.today,"N/D/y")_"^FS^!"
20 LC = ""^FT100,100^A0B,21,20^FH^FD"_"@.now_"^FS^!"
21 LC = ""^FT210,1900^A0B,42,40^FH^FD"_"@unit.number_"^FS^!"
22 LC = IF{BARCODE="BOTH" 1,"^FT58,1300^A0N,42,40^FH^FD"_"@acct.number_"^FS^!"}
23 LC = ""^FT130,1550^A0B,42,40^FH^FD"_"@room.and.bed_"^FS^!"
24 LC =
""^FT210,1643^A0B,42,40^FH^FD"_"%Z.date.text(@adm.svc.res.date.out,"N/D/y")_"^FS^!"
25 LC = ""^FT140,1775^A0B,46,76^FH^FD"_"@location_"^FS^!"
26 LC = ""^FX.The Following Section contains the Code 128 + 2D Barcodes^FS^!"
27 LC = IF{BARCODE="BOTH" 1,"^BY2,3,175^FT289,1088^BCI,,N,N,N,A^FD"_"@acct.number_"^FS^!"}
28 LC = IF{BARCODE="BOTH" 1,"^BY2,3,102^FT280,2557^BCI,,N,N,N,A^FD"_"@acct.number_"^FS^!"}
29 LC = ""^BY70,70^FT299,2520^BXB,5,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
30 LC = ""^BY70,70^FT299,2440^BXB,5,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
31 LC = ""^BY70,70^FT299,2360^BXB,5,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
32 LC = ""^BY70,70^FT299,2280^BXB,5,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
33 LC = ""^BY70,70^FT299,2200^BXB,5,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
34 LC = ""^BY70,70^FT299,2120^BXB,5,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
35 LC = ""^BY70,70^FT299,2040^BXB,5,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
36 LC = ""^BY70,70^FT299,1960^BXB,5,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
37 LC = ""^BY70,70^FT299,1880^BXB,5,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
38 LC = ""^BY70,70^FT299,1800^BXB,5,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
39 LC = ""^BY70,70^FT299,1720^BXB,5,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
40 LC = ""^BY70,70^FT299,1640^BXB,5,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
41 LC = ""^BY70,70^FT299,1560^BXB,5,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
42 LC = ""^BY70,70^FT299,1480^BXB,5,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
43 LC = ""^BY70,70^FT299,1400^BXB,5,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
44 LC = ""^BY70,70^FT299,100^BXB,7,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
45 LC = ""^BY70,70^FT299,220^BXB,7,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
46 LC = ""^BY70,70^FT299,340^BXB,7,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
47 LC = ""^BY70,70^FT299,460^BXB,7,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
48 LC = ""^BY70,70^FT299,580^BXB,7,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
49 LC = ""^BY70,70^FT299,700^BXB,7,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
50 LC = ""^BY70,70^FT299,820^BXB,7,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
51 LC = ""^BY70,70^FT299,940^BXB,7,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
52 LC = ""^BY70,70^FT299,1060^BXB,7,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"
53 LC = IF{BARCODE="2D"
1,"^BY70,70^FT299,1180^BXB,7,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"}
54 LC = IF{BARCODE="2D"
1,"^BY70,70^FT150,2700^BXB,7,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"}
55 LC = IF{BARCODE="2D"
1,"^BY70,70^FT299,2700^BXB,7,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"}
56 LC = IF{BARCODE="2D"
1,"^BY70,70^FT299,1300^BXB,7,200,0,0,1^FD"_"CKD_"@acct.number_"^FS^!"}
57 LC = ""^FX.Change the number of PQ# in the next line to change the number of armbands^FS^!"
58 LC = ""^PQ1,0,1,Y^XZ"^!
```

Zebra Armband Cartridge 10006995K (or 10007000K C/S & 6.0 Only) ADM.PAT.zcus.zebra.hc100.patient.armband.code128

```
1 LC = ""^FX.THIS HEADER COMPONENT IS FOR PRINTER INITIALIZATION^FS^!"
2 LC = c.xx.number^/NUM,""
3 LC = "^XA~TA000~JSN^LT0^MNM^MTD^PON^PMN^LH0,0^JMA^PR2,2^MD21^JUS^LRN^CI0^XZ"^!
4 LC = "^XA"^!
```

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```
5 LC = "^MMT"^!  
6 LC = "^LL3300"^!  
7 LC = "^PW300"^!  
8 LC = "^LSO"^!  
9 LC = "^FX.The Following Section contains Patient Attributes^FS^!"  
10 LC = "^FX.Modify the FT command to FX to comment out the attribute^FS^!"  
11 LC = "^FX"_L(@name)"^FS"^!  
12 LC = "^FT100,2516^A0B,67,67^FH^FD" _@name" ^FS"^!  
13 LC = "^FT168,2516^A0B,46,76^FH^FD" _@name" ^FS"^!  
14 LC = "^FT168,1955^A0B,42,62^FH^FD" _@age" ^FS"^!  
15 LC = "^FT230,1550^A0B,42,40^FH^FD" _@room.and.bed" ^FS"^!  
16 LC = "^FT230,2100^A0B,42,40^FH^FD" _@attend.doctor.name" ^FS"^!  
17 LC = "^FT100,350^A0B,21,20^FH^FD" _@.user" ^FS"^!  
18 LC = "^FT100,200^A0B,21,20^FH^FD" _%Z.date.text(@.today,"N/D/y") _" ^FS"^!  
19 LC = "^FT100,100^A0B,21,20^FH^FD" _@.now" ^FS"^!  
20 LC = "^FT168,1814^A0B,42,62^FH^FD" _@sex" ^FS"^!  
21 LC = "^FT168,2337^A0B,46,76^FH^FD" _%Z.date.text(@birthdate,"N/D/y") _" ^FS"^!  
22 LC = "^FT290,1967^A0B,46,45^FH^FD" _@unit.number" ^FS"^!  
23 LC = "^FX.The Following Section contains the Code 128 Barcodes^FS^!"  
24 LC = "^BY2,3,102^FT290,2557^BCI,,N,N,N,A^FD" _@acct.number" ^FS"^!  
25 LC = "^BY2,3,245^FT290,1088^BCI,,N,N,N,A^FD" _@acct.number" ^FS"^!  
26 LC = "^BY3,3,73^FT270,2516^BCB,,Y,N,N,A^FD" _@acct.number" ^FS"^!  
27 LC =  
"^FT290,1643^A0B,42,40^FH^FD" _%Z.date.text(@adm.svc.res.date.out,"N/D/y") _" ^FS"^!  
28 LC = "^FT168,1659^A0B,46,45^FH^FD" _@location" ^FS"^!  
29 LC = "^FX.Change the PQ# in the next line to change the number of armbands^FS^!"  
30 LC = "^PQ1,0,1,Y^XZ"^!
```

Please note, you will need familiarity with the Meditech NPR Report Writer Product to Edit these codes.

Brief Command Overview

Much further detail is available in the Zebra ZPL II Programming Guide; here is a quick look at a few commands.

The ^FT – Field Typeset Command sets general characteristics about the data being displayed. In the example below we will identify each component of the Patient Name field.

Text Line:

```
^FT85,2516^A0B,67,67^FH^FD" _@name" ^FS"^!
```

^FT = Field Typeset

85,2516 = the X and Y Location in Dots Per Inch (DPI) on the label media.

^A = Specifies the Font to use in the Data Section

0 = Internal Font to Use

B = field orientation

67,67 = Sets the Font Height and Width in DPI – you can modify this to change the sizing of the font.

^FH\ = Field Hexadecimal Indicator

^FD = Field Data

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^FS = Field Separator or End

Barcode Code 128 Line:

```
^BY2,3,175^FT289,1088^BCI,,N,N,N,A^FD"@acct.number_"^FS"^!
```

^BY2,3,175 = Modifies the default DPI values for barcode

^FT = Field Typeset

289,1088 = the X and Y Location in Dots Per Inch (DPI) on the label media.

^BCI,,N,N,N,A = Generates the Code 128 Barcode – Setting the first N to a Y ie(^BCI,,Y,N,N,A) Includes a Human Readable font on the label.

^FD = Field Data, the @acct.number is the patient account #.

^FS = Field Separator or End

Check Digit Inclusion

Note All formats containing a 2D barcode allow for the optional inclusion of a Check Digit by editing the 2nd Line Check in the NPR Report.

```
2 LC = ""^CKD,"^FX.THIS HEADER COMPONENT IS TO ADD A CHECK DIGIT^FS^!"
```

By placing a code in the quotes as follows with an @ sign.

```
2 LC = "@^CKD,"^FX.THIS HEADER COMPONENT IS TO ADD A CHECK DIGIT^FS^!"
```

The @ character will be imbedded in all 2D Barcodes.

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Barcode Datamatrix Line:

```
^BY70,70^FT225,220^BXB,7,200,0,0,1^FD"@acct.number_"^FS"^!
```

^BY70,70 = Modifies the default DPI values for barcode

^FT = Field Typeset

225,220= the X and Y Location in Dots Per Inch (DPI) on the label media.

^BXB,7,200,0,0,1 = Generates the two-dimensional data matrix barcode format.

In this example the 7 sets the size of the barcode.

^FD = Field Data the @acct.number is the patient account #.

^FS = Field Separator or End

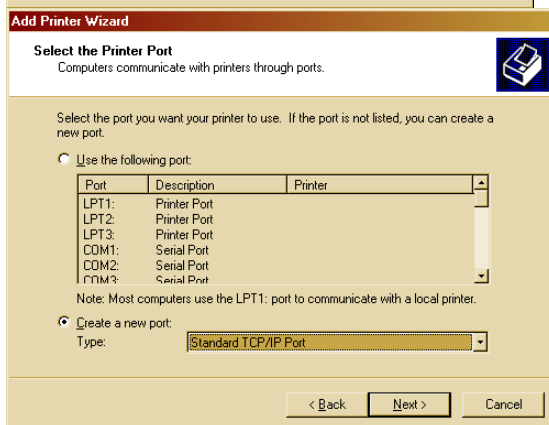
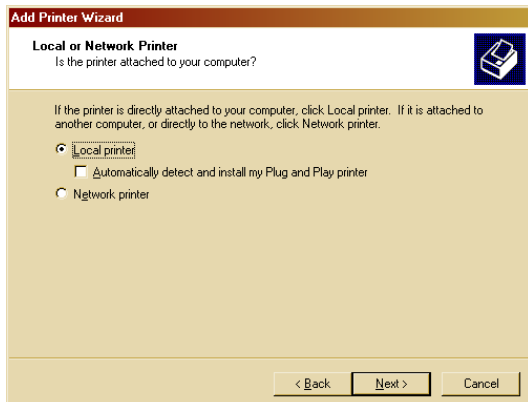
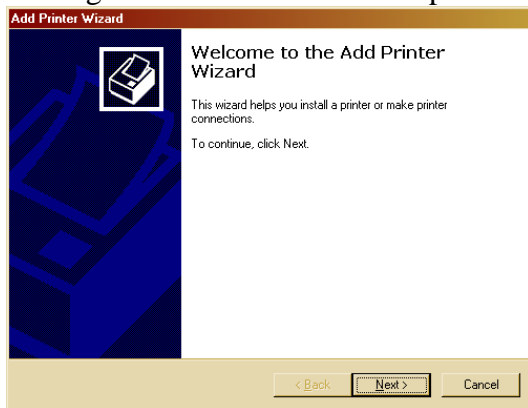
Please refer to the Zebra ZPL II Reference Guide for greater detail.

Note: To remove a field from printing you can delete the line or replace the ^FT with ^FX Making it a comment field.

Printer Setup for Access E-Forms Setup or PC Workstation Setup

In the event that you are using the printer with other middleware products you can set it up without a printer driver and pass the text strings of commands directly to the printer.

Adding windows destination – Optional for testing.



HC100 Printer Setup and Configuration in a Meditech Environment

Add Standard TCP/IP Printer Port Wizard

Add Port
For which device do you want to add a port?

Enter the Printer Name or IP address, and a port name for the desired device.

Printer Name or IP Address: 128.1.152.139

Port Name: HC100-Zebra-IP_128.1.152.139

< Back Next > Cancel

Add Standard TCP/IP Printer Port Wizard

Additional Port Information Required
The device could not be identified.

The detected device is of unknown type. Be sure that:

1. The device is properly configured.
2. The address on the previous page is correct.

Either correct the address and perform another search on the network by returning to the previous wizard page or select the device type if you are sure the address is correct.

Device Type

Standard Generic Network Card

Custom Settings...

< Back Next > Cancel

Add Standard TCP/IP Printer Port Wizard

Completing the Add Standard TCP/IP Printer Port Wizard

You have selected a port with the following characteristics.

SNMP: No
Protocol: RAW, Port 9100
Device: 128.1.152.139
Port Name: HC100-Zebra-IP_128.1.152.139
Adapter Type: Generic Network Card

To complete this wizard, click Finish.

< Back Finish Cancel

HC100 Printer Setup and Configuration in a Meditech Environment

Add Printer Wizard

Add Printer Wizard
The manufacturer and model determine which printer to use.

Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for a compatible printer.

Manufacturers:	Printers:
Diconix	Generic / Text Only
Digital	Generic IBM Graphics Spin
Epson	Generic IBM Graphics Spin wide
Fujitsu	MS Publisher Color Printer
GCC	MS Publisher Imagesetter
Generic	
Getnet	

Windows Update Have Disk...

< Back Next > Cancel

Add Printer Wizard

Use Existing Driver
A driver is already installed for this printer. You can use or replace the existing driver.

Generic / Text Only

Do you want to keep the existing driver or use the new one?

Keep existing driver (recommended)

Replace existing driver

< Back Next > Cancel

Add Printer Wizard

Name Your Printer
You must assign a name for this printer.

Supply a name for this printer. Some programs do not support server and printer name combinations of more than 31 characters.

Printer name:
HC100-WristBand

Do you want your Windows-based programs to use this printer as the default printer?

Yes

No

< Back Next > Cancel