

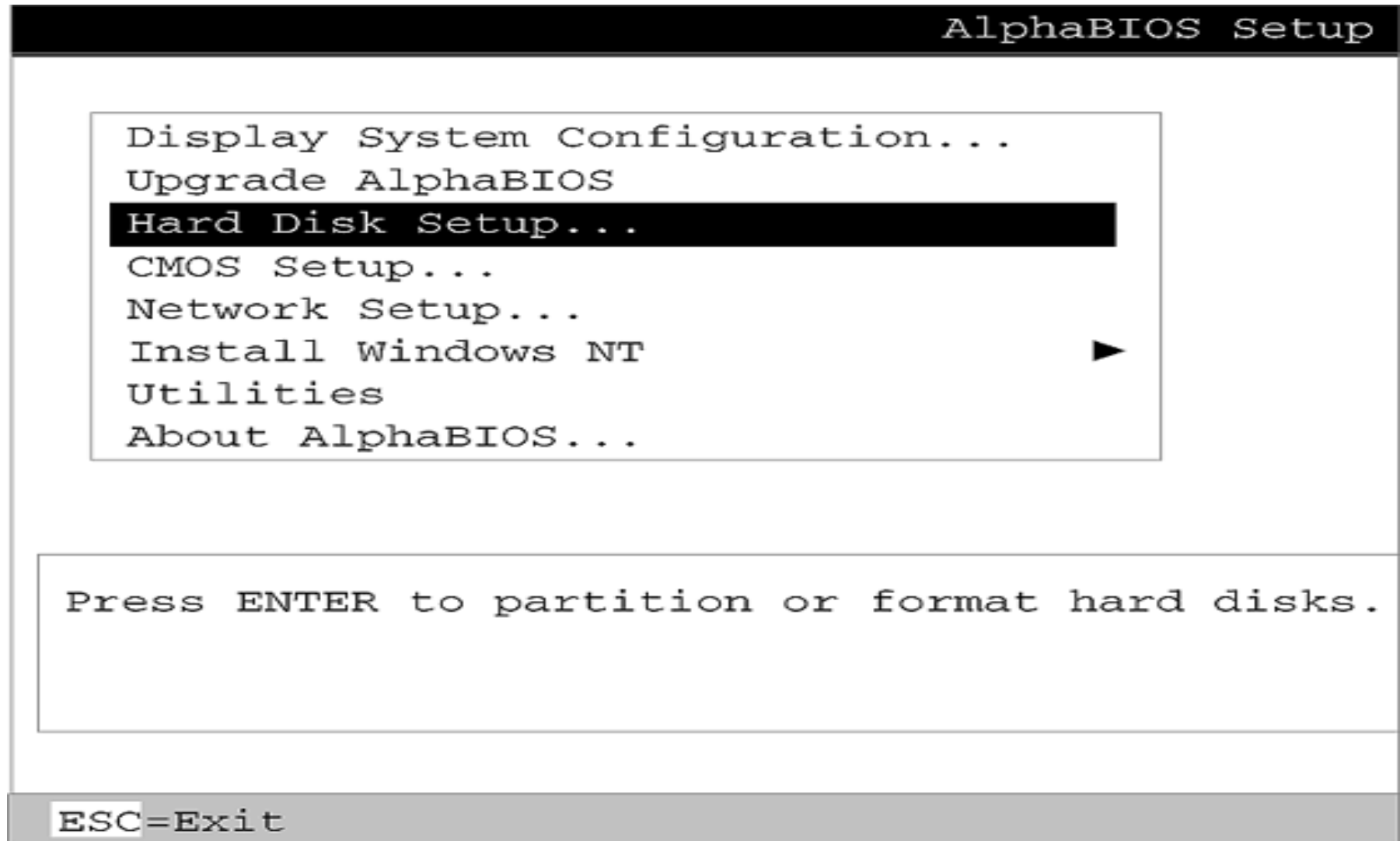


Clipper AlphaBIOS

Alan Palmeri
Firmware Project Leader

- Occupies the other half of the 2MB Flash ROM
- SRM is loaded first then AlphaBIOS is loaded based on ev os_type
- Menus very similar to other AlphaBIOS on server platforms
- Boot devices supported
 - Symbios Logic 53C8XX
 - Qlogic PCI SCSI
- AlphaBIOS uses the FRU table built by SRM
- Will support Compaq Analyze
- Firmware can be updated via fat formatted floppy and CD

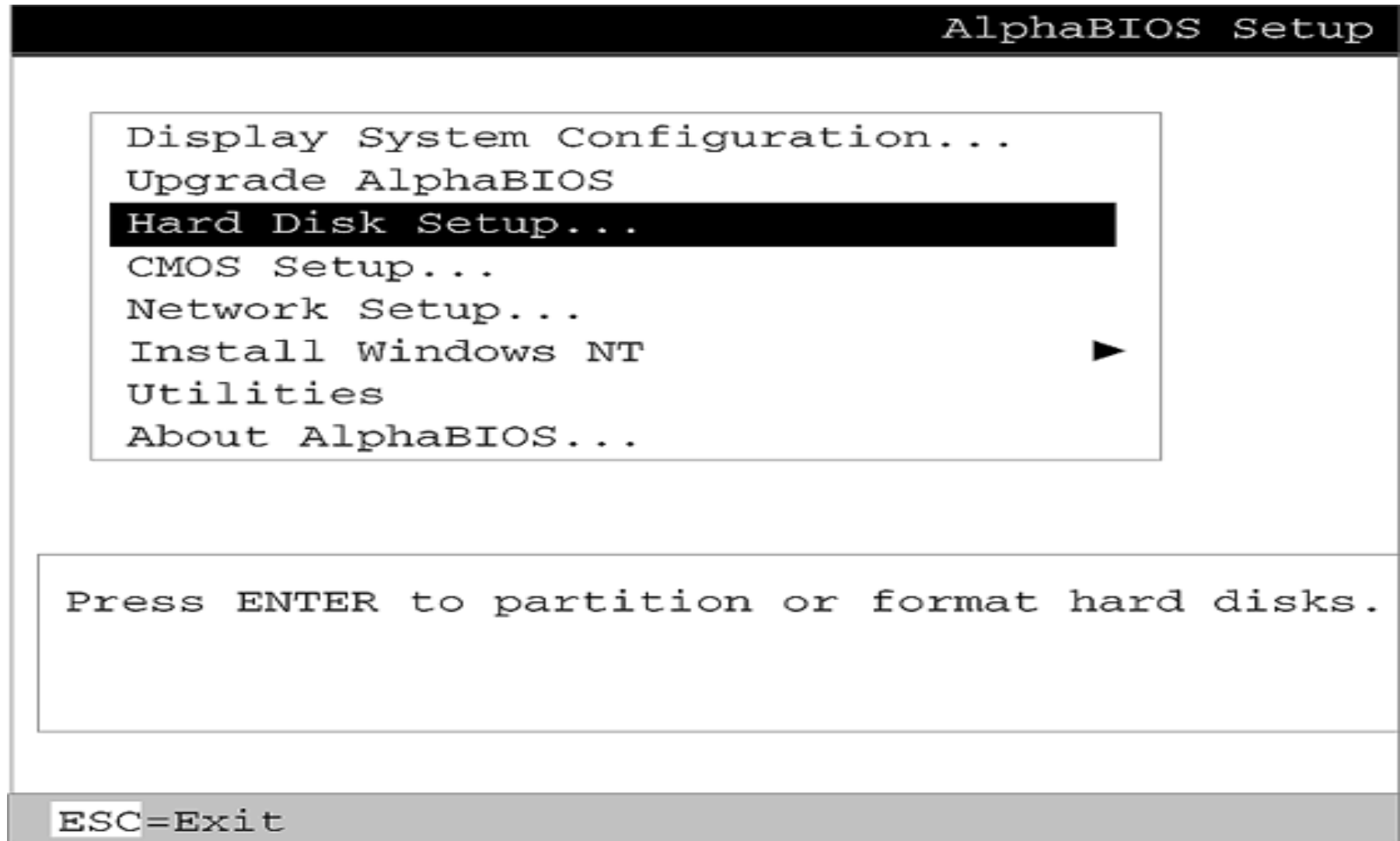
AlphaBIOS Screens



AlphaBIOS Screen

Hard Disk Setup				
Disk 0	AIC78XX #0, SCSI ID 0	4091 MB		
	DEC RZ1CB-CS (C) DEC0656			
	Partition 1	4085 MB		FAT
	Partition 2	6 MB		FAT
Disk 0	AIC78XX #0, SCSI ID 1	4091 MB		
	DEC RZ1CB-CS (C) DEC0656			
	Partition 1	4091 MB		NTFS
Disk 0	AIC78XX #0, SCSI ID 2	4091 MB		
	DEC RZ1CB-CS (C) DEC0656			
	Partition 1	4091 MB		NTFS
INSERT=New DEL=Delete F6=Format F7=Express ESC=Exit				

AlphaBIOS Screens



Display System Configuration		F1=Help
<div>Systemboard Configuration Hard Disk Configuration PCI Configuration SCSI Configuration Memory Configuration Integrated Peripherals</div>		
<div>System Type: AlphaServer ES40 Processor: Digital Alpha 21264, Revision 4.0 (2 Processors) Speed: 500 MHz Memory: 512 MB Cache: 4 MB Floppy Drive A: 3.5" 1.44 MB Floppy Drive B: None Keyboard: U.S. 101-key keyboard AlphaBIOS Version: 5.68 980924.1108</div>		
ESC=Exit		

AlphaBIOS Screens

Display System Configuration

Systemboard Configuration

Hard Disk Configuration

PCI Configuration

SCSI Configuration

Memory Configuration

Integrated Peripherals

Disk 0	AIC78XX	#0, SCSI ID 0	4091 MB	
	DEC	RZ1CB-CS (C) DEC0656		
	Partition 1		4085 MB	FAT
	Partition 2		6 MB	FAT
Disk 1	AIC78XX	#0, SCSI ID 1	4091 MB	
	DEC	RZ1CB-CS (C) DEC0656		
	Partition 1		4091 MB	NTFS
Disk 2	AIC78XX	#0, SCSI ID 2	4091 MB	
	DEC	RZ1CB-CS (C) DEC0656		
	Partition 1		4091 MB	NTFS

ENTER=Select ESC=Exit

AlphaBIOS Screens

Display System Configuration F1=Help

Systemboard Configuration
Hard Disk Configuration
PCI Configuration
SCSI Configuration
Memory Configuration

Device Name	Device Type	Revision	Physical Slot
Cypress CY82c693	ISA Bridge	0	PCI0-Embedded
Cypress CY82c693	IDE	0	PCI0-Embedded
Cypress CY82c693	IDE	0	PCI0-Embedded
Cypress CY82c693	USB	0	PCI0-Embedded
Matrox Millennium	VGA	1	PCI0-Slot 0
DIGITAL 21140	Ethernet	32	PCI0-Slot 2
DIGITAL DEFPA	FDDI	0	PCI1-Slot 1

ENTER=Select ESC=Exit

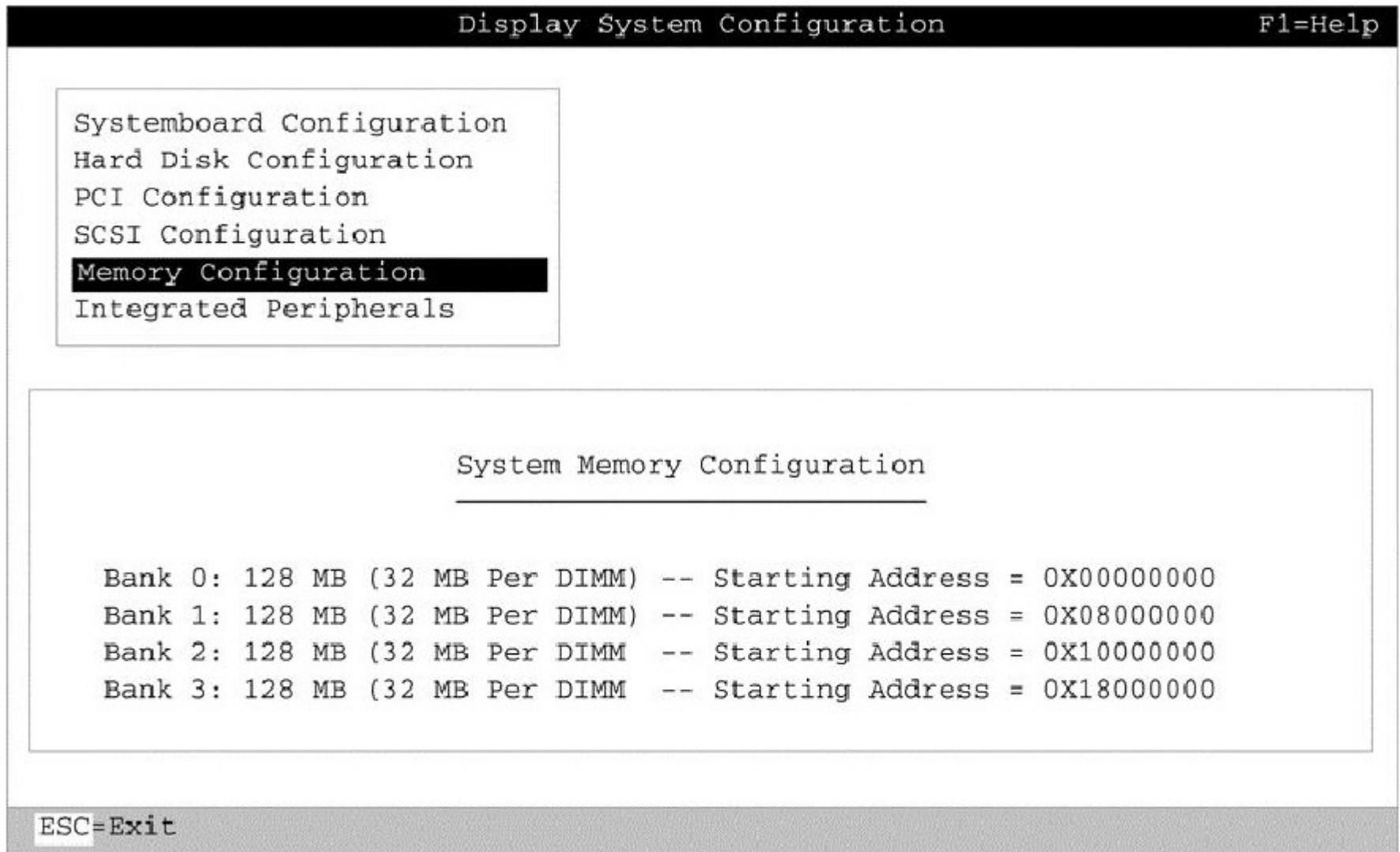
Display System Configuration

Systemboard Configuration
Hard Disk Configuration
PCI Configuration
SCSI Configuration ▶
Memory Configuration
Integrated Peripherals

ATAPI #0
NCRC8xx #0
NCRC8xx #1

ATAPI #0, SCSI ID 255, SCSI Bus 0

SCSI ID	Device	Size	Description
0	CD-ROM		DEC RRD46 (C) DEC 1337



AlphaBIOS Screens

Display System Configuration

Systemboard Configuration
Hard Disk Configuration
PCI Configuration
SCSI Configuration
Memory Configuration
Integrated Peripherals

Integrated Peripheral State

Serial 0: Enabled [port 0x3f8, IRQ 4]
Serial 1: Enabled [port 0x2f8, IRQ 3]
Parallel: Enabled [port 0/3bc, IRQ 7]
Floppy Ctrl: Enabled [port 0/3f0, IRQ 6]
IDE 0: Disabled
Cypress IDE Chnl 0: Enabled [port 0x1f0, IRQ 14]

ESC=Exit

AlphaBIOS Screen

CMOS Setup		F1=Help
Date:	Friday, May 7 1999	
Time:	13:22:27	
Floppy Drive A: 3.5" 1.44 MB		
Floppy Drive B: None		
Keyboard: U.S. 101-key keyboard		
Auto Start: Enabled		
Auto Start Count: 30 Seconds		
Press ↑ or ↓ to modify date fields. Date modifications will take effect immediately.		
F3=Color F6=Advanced F7=Defaults ESC=Discard Changes F10=Save Changes		

Advanced CMOS Setup		F1=Help
PCI Parity Checking:	Disabled	
Power-up Memory Test:	Partial	
AlphaBIOS Password Option:	Disabled	
SCSI BIOS Emulation:	Enabled For All	
Console Selection:	Windows NT Console (AlphaBIOS)	
OCP Text:		
Integrated USB:	Enabled	
Warm Reboot:	Enabled	

Press ↑ or ↓ to enable or disable detection of PCI bus parity errors. Some non-compliant PCI option boards do not work properly with PCI parity checking enabled.

ESC=Discard Changes F10=Save Changes

Network Setup		F1=Help
Select Network:	<div>Network 0</div> <div>Network 1</div>	
Network: Enabled		
IP Address Source: DHCP		
Status: Adapter initialized - BOOTP/DHCP succeeded.		
Adapter: DIGITAL 21041	Ethernet Address: 00-00-f8-03-45-45	
Lease Time: 24:00:00	Lease Starts: 10/01/1999 14:24:48	
Local IP: 16 .64 .48 .76	TFTP Server IP: 10 .0 .0 .1	
Gateway IP: 16 .64 .48 .1	Subnet Mask: 255.255.255.0	
TFTP Directory:		
<div>Press ↑ or ↓ to select a network. Properties of the selected network will appear immediately.</div>		
ESC=Discard Changes F10=Save Changes		

AlphaBIOS Screens

Operating System Selection Setup

Windows NT Server 4.0

Primary Operating System

Boot Name: Windows NT Server 4.0

Boot File: Disk 0, Partition 2 \os\winnt40\osloader.exe

OS Path: Disk 0, Partition 1 \WINNT40

OS Options:

INSERT=New

F6=Edit

F8=Primary

ESC=Discard Changes

DEL=Delete

F7=Copy

F9=Validate

F10=Save Changes

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