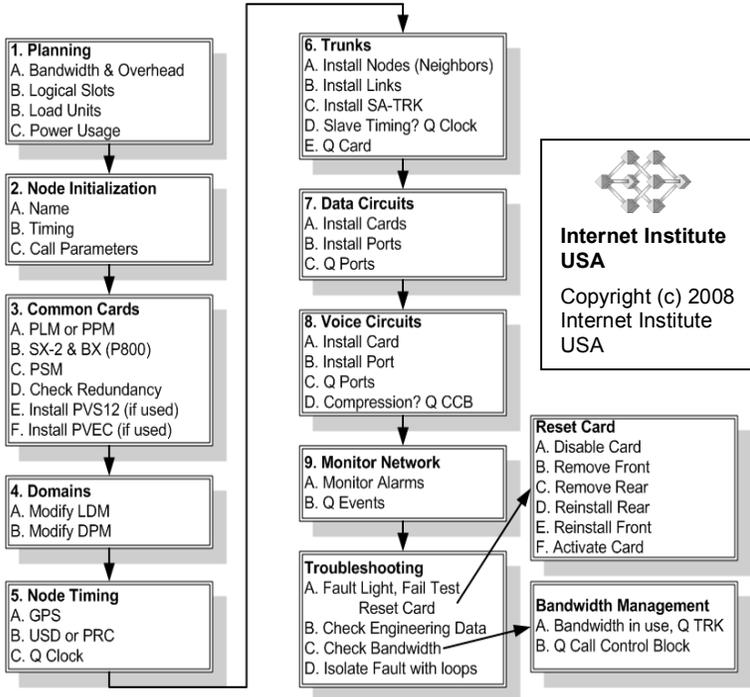


Node Installation Process



Changing Operator Interface from Menu to Expert Mode

Promina Interface Menu	[1] Operator interface
Prolog Procedure Menu	[1] Continue with session
Functional Area Menu	[7] Session Parameters
Session Parameters	[2] Modify
Operator Session Parameters	[2] Command Mode: EXPERT

Promina Device ID Convention

Node	Nx	X = 1 - 250, represents Node ID
Link	NxNy	Nx and Ny represent the two nodes connected by a link. (order immaterial) Example: link between Node 1 and Node 2 is identified as N1N2
Card	Cy NxCy	y = 0 - 127, represents the slot in which the card is installed. If card is on local node only Cy is required. Example: The card in Slot 5 on Node 1 is represented as N1C5
Port	CyPz NxCyPz	z = The number of the port. (uses zero based counting: 0, 1, 2...etc) Example: The First port of the card in Slot 5 on Node 1 is represented as N1C5P0

Expert Mode Syntax

ACTION	OBJECT	DEVICE ID	SLASH COMMAND
Query	Node	Nx	/Summary
Install	Card	NxCy	/NOA (No Auto display)
Modify	Port	NxCyPz	/Yes
Delete	Card	NxC1-3&7&9	/Detail/NOF (No Filter)

IDNX/Promina Expert Mode Commands

Action	Object	Meaning
Activate	Card Port	Places the card or port in an active status (that is, logically functioning and available for service).
	Domain	Activates offline domain (A or B) in a Promina 800 node (expert mode only).
Archive	Database	Saves a database to the PSM directory "/disk/system/db/archive"
Block	Link Port Trunk	Prevents new calls from being placed on link, but allows existing calls to complete.
Cancel	Alarms	Deletes alarm records from local Alarm Log.

IDNX/Promina Expert Mode Commands

Cancel (cont.)	BWR	Removes a daily (permanent) or a one-time bandwidth reservation from the current day.	
	Netalarms	Deletes alarm records from Network Alarm Log.	
	Test	Stops a test in progress on a card after the next test iteration.	
Clear	ESF Registers	Clears Extended Superframe registers of error info on PRC DiGroup or TRK-3 card.	
Connect	Call	Allows a one-time call that overrides the port configuration database parameters.	
Copy	Evparms	Copies node event parameter definitions from/to other nodes in the local domain.	
	Routing Costs	Copies routing costs from one node to one or more nodes in the local domain.	
Deactivate	Card Port	Places card or port in test mode (that is, unavailable for calls).	
	BWR	Removes a daily bandwidth reservation from the configuration database.	
Delete	Card Port	Removes a card or port definition from the configuration database.	
	DPM	Removes domain permit map (DPM) exception entry from configuration database.	
	Link GWL	Removes a link or gateway link definition from configuration database.	
	NGW	Removes a neighbor gateway node definition from configuration database.	
	Node	Removes a node definition from the configuration database.	
	PSM	Removes PSM from configuration database.	
	Selected Paths	Removes selected call paths from the path select table for the node.	
	SNMP	Removes an SNMP configuration parameter from the database.	
	Disable	Card Port	Removes the card or port from service.
		Domain	Disables the offline domain (A or B) on a Promina 800 node (expert mode only).
Signaling Trace		Stops accumulation of information into the signaling-trace buffer for specified voice port.	
Enable	Card Port	Places the card or port in test mode (unavailable for calls, used for testing).	
	Feature	Enable Dual Agent (SNMP) software feature.	
Initialize	Signaling Trace	Records signaling information relative to the specified voice port.	
	Database	Erases configuration database, restarts node, and begins initialization procedure.	
	Evparms	Sets the event parameters on one or more nodes to the default values.	
Install	Routing Costs	Sets the routing costs on one or more nodes to the default value of 10.	
	Card Port	Adds a card or port definition to the configuration database.	
	DPM	Adds exception entry to domain permit map (DPM) for the DNCP (Domain, Node, Card, and Port number) specified.	
	Link GWL	Adds a link or gateway link definition to the configuration database.	
	NGW	Adds a neighbor gateway node definition to the configuration database.	
	Node	Adds a node definition to the configuration database.	
	PSM	Adds a PSM definition to the configuration database.	
	SNMP	Adds an SNMP Agent to the configuration database.	
	Loop	Card Port	Places a card or port in a loop for external testing.
	Modify	Card Port	Changes card or port parameters.
Cmgr		Changes call manager parameters.	
DBParms		Changes the periodic save interval.	
DPM		Changes the default entry or any exception entries in the domain permit map (DPM).	
Echo Cancellor		Allows modification of one of the 8 classes	

IDNX/Promina Expert Mode Commands		
Modify (cont.)	Evparms	Allows logging of alarms and events to be tailored to meet your own requirements.
	External Alarm Threshold	Changes node alarm threshold level, which triggers the (optional) audible alarm.
	LDM	Changes the node local domain parameters.
	Node	Changes the node parameters.
	Parameter of Port	Changes the destination port, speed, and hunt group parameters of one or more ports.
	Partition	Changes nodes assigned to a node partition.
	PSM	Changes the PSM parameters.
	Routing Costs	Changes the routing costs of links.
	Selected Path	Changes the selected path for a port.
	Session Parameter	Changes the session parameter setup of the Operator Interface.
	SNMP	Changes the SNMP Agent parameters.
Monitor	Alarms	Used to view the local Alarm Log for a specified node in real-time .
	Netalarms	Used to view the network Alarm Log for a specified node in real-time .
Query	Alarms	Used to view a node local Alarm Log.
	BWR	Displays a summary of the bandwidth reserved on the node.
	Card Port	Displays configuration information for a card or port.
	Call Path	Displays information about the entire circuit path for a call.
	CCB	Displays information on calls currently in progress. (call control block)
	Clock Status	Displays information on the clock card, timing references, and clock path.
	CMGR	Displays information on the call manager.
	CSUM	Displays a summary of calls in progress.
	DBFiles	Displays directories and files on PSM.
	DBParms	Displays the periodic save interval.
	Directory	Displays directories and files on PSM.
	DPM	Displays default and exception domain permit map (DPM) settings for the node.
	Echo Cancellor Class or Service	Displays one of the 8 classes of service.
	ESF Registers	Displays Extended Superframe registers on PRC DiGroup or TRK-3 card.
	Events	Used to view node local Event Log.
	Evfiles	Used to view Event file on a PSM card.
	Evparms	Displays event status, alarm level, whether event is network significant, and which event clears this event.
	External Alarm Threshold	Displays node external alarm threshold for the node.
	Feature	Displays a list of the keyed features for a node and displays the status of the keys.
	Hunt Group	Displays the hunt groups active on a node or PRC card.
	ICCB	Displays information on interdomain calls currently in progress.
	LDM	Used to view node Local Domain (LDM) parameters. (Expert mode only.)
	Link GWL	Displays the configuration and status of the link or gateway link.
	Netalarms	Used to view node Network Alarm Log.
	Netevents	Used to view node Network Event Log.
	Network	Displays a matrix depicting the network topology for the domain (if applicable).
	NDM	Displays information about neighbor domains connected to the local domain.
	NGW	Displays the configuration for a neighbor gateway node.
	Node	Displays the configuration for a node.
	Partition	Displays the nodes assigned in the partition table on the node.
	Routing Costs	Displays routing costs entries.
	Selected Paths	Displays the node path select table.
	Session Parameters	Displays the current session parameter settings for the Operator Interface (OI).
	Signaling Trace	Displays voice port A/B-bit signaling info stored in signaling trace buffer.

IDNX/Promina Expert Mode Commands			
Query	SNMP	Displays node SNMP Agent config.	
	System Components	Displays system component information and status for a Promina 800 Node.	
	TBus	Displays config information and available bandwidth of T-bus (transport bus).	
	BX card CPU card CLK card DS-1 card HSD Card HSD-2 Card PLM card PPM card PRC card PSM card PVA card PVAC card QASD card QSD-2 card SX card T3 TRK card TRK card USD card	Displays the card configuration for the specified card types (only available in expert mode).	
	Reconnect	Call	Reroutes established call on preferred path without hanging up the call.
	Report Test Results	Card Port	Displays results of most recent test run through the Operator Interface.
	Reserve	CBW	Sets aside daily (permanent) or one-time call bandwidth allocations.
	Restart	Processor	Restarts the processor card.
		PSM	Restarts the PSM card.
	Restore	Database	Loads a database from the PSM directory "/disk/system/db/archive".
	Save Set	Database	Begins immediate save of the database.
Switch	TOD	Changes time of day on all network nodes.	
	Domain	Switches the redundant SX module in a Promina 800 on-line.	
	PLM Online	Switches the offline processor module in a Promina 400/200 on-line.	
Test	PSM Online	Switches the offline PSM module.	
	Card Port	Runs diagnostic tests on a card or port.	
Tune	Port	Modifies the transmit and receive power of a QAVP port used for PVA/C ports.	
Unblock	Link Port Trunk	Removes the block from a link, port, or trunk.	
Unloop	Card Port	Removes the loop from a trunk card, voice port, or data port.	
Update	Backup	Copies compressed and uncompressed code to backup directories.	

Slash Commands		
Slash	Name	Meaning
/M	Mixed Case	Changes the screen display between all upper case and upper/ lower case.
/N	No Mixed Case	
/C	Continuous	Changes the display mode between carriage return required and scroll.
/NOC	No Continuous	
/A	Auto display	Changes between verbose (configurations displayed) and terse (configurations not displayed).
/NOA	No auto Display	
/Nob	No bell	Silences the warning bell that signals error or warning conditions in the Operator Interface.
/Normal	Normal mode	Switches to menu mode. The expert command specified before the /Normal command is NOT executed.
/E	Expert mode	Switches from menu mode to expert mode. Specify /E after an object ID in response to an Operator Interface prompt.
/D	Detail	Displays information id detail mode.
/NOD	No detail	Suppresses the prompt for detail mode.
/F	Filter	Suppresses the prompt for filters, and displays the available filters automatically.
/S	Summary	Displays information in summary mode.
/Y	Yes	Provides a Yes to Yes/No dialog prompts.