

JUST SHARE...

This blog is published for sharing any knowledge about Ip Telephony system. Most of the published posts have been tried and applied by the writer. Have a good reading and practise !. Hopefully this blog will be usefull for you all. Best Regards..

HAPPY NEW YEAR 2012 "New year is a birth of new hopes, continuous dreams and everlasting love. Look forward to it without regretting what you have left behind. And remember to better yourself in every possible way. BAR-ONE"

Nortel IP PBX Basic command

11:37 AM | Author: Barone Dwi

This is a short introduction into programming a Meridian PBX. The Meridian PBX's software divides information into LOADS. Each Load has a specific function for example. LD 20 is where you can print information about phones. The loads range from LD 01 - LD 143. If you see any prompts that I don't mention just "enter" past them.

ALWAY LOOK UP ERROR MESSAGES!!!! Error messages indicate to you what you are doing incorrectly, ignoring them can lead to hours of frustration.

What I am going to show you should work in a Meridian PBX's with Release 19 and above. We will be using the Following Loads or (Loaders) programs

Load Overlays:

- LD 10 – Configure Analog Extensions.
- LD 11 – Configure Digital Extensions.
- LD 12 – Configure Operator Console.
- LD 13 – Configure DTR
- LD 14 – Configure Trunks & B – Channel
- LD 15 – Configure CDB
- LD 16 – Configure RDB
- LD 17 – Configure ADAN(Active Device Number D-Channel & Serial ports)
- LD 18 – Configure Speed Call List
- LD 20 – Print Of Analog, Digital & Trunks Ports.
- LD 21 - Print Of CDB,RDB.
- LD 22 – [Print Of ADAN.
- LD 23 – ACD Configuration.
- LD 32 – Status Of Card.
- LD 34 – Status Of TDS Loop.
- LD 38 – Status Of Conference Loop.
- LD 43 – To Save Configuration.
- LD 48 – Status Of ELAN,AML.
- LD 56 – Tone Table.
- LD 57 – Flexible Feature Code
- LD 60 – Status Of B Channel
- LD 73 – Loop Timers(PRI & DTI)
- LD 81 – List features

Search

About Me



Barone Dwi

[View my complete profile](#)

Archive

- 04 Jan (1)
- 28 Dec (1)
- 23 Dec (9)
- 21 Dec (5)

Attribution

LD 83 – List Extensions
 LD 96 – Status OF D-Channel
 LD 117 – IP Assignment
 LD 143 – System Backup, Upgrade of System.

=====
Class Of Service:

XRA : Ring again
 FXA : Call Forward To External DN
 PUA : Pickup Allowed
 XFA : Transfer Allowed
 CCSA : Controlled Class Of Service Allowed
 AHA : Automatic Hold Allowed
 NAMA : Name Allowed
 CNDA : Call Name Display Allowed
 DNDA : Dial Name Display Allowed
 HTA : Hunt Allowed(Busy Condition)
 FNA : Forward Allowed(No Answer Condition)
 FBA: Toll Denied (Other Option :SRE,UNR,CTD)
 MWA: Message waiting Allowed
 LNA: Last Number Dialed Allowed.
 ADD: Automatic Digit Display (Other Option DDS-Delay Digit Display)
 DTP: Dial in Tone (Other Option DIP-Dial in Pulse)
 WTA: Warning Tone Allowed
 CWA: Call Wait Allowed
 LPD: Lamp denied
 XHD: Exclusive Hold denied
 TVD: Trunk Verification Denied
 CFTA: Call forward by type Allowed(External)
 C6D: Conference Allowed(6 party)
 AUTU: Authcode unrestricted (Other Options AUTR-Authcode Restricted)
 ICDD: Internal Call Detail denied.
 NOVD: Net override Allowed (Barging).

=====
 The Meridian system will usually prompt you for what you need to do. Here are some typical prompts the system asks for:

REQ: - The Request prompt, Requests information. The system is waiting for your command. valid responses are different for each load.

(LD 20) Valid commands are: -PRT

- DISU
- NEW
- ENLU
- CHG
- OUT
- STAT
- COPY

=====
Logging in:

Be carfeul not to log in more than 3 time incorrectly, If you see OVL400 this means you are locked out for up to 45 Minutes. You should see this when you press return:">" or "OVL000"

Then press: Return then type "LOGI"

Then you should see "PASS" Type: "your password"

=====
To have Extn Specific Authcode:

>LD 88
 REQ:NEW
 TYPE:AUTH
 CODE:nnnnnn
 CLASS:

=====
To see status of MUS Trunk:

>LD 20
 REQ:PRT

Pages

- Home
- GALLERY...



```

TYPE:MUS
TN:l s c u
:
:
CFLP nn
=====
To View XLST:
>LD 20
REQ:PRT
TYPE:PRE
:
XLAT n
PRE m
>LD 20
REQ:PRT
TYPE:SCL
:
LSNO:m
=====
To change XLST:
>LD 18
REQ: CHG/NEW
TYPE:SCL/PRE/SSC
LSNO:n
:
:
STOR 0 nnnn
STOR 1 nnnn
=====
To view NCOS Feature:
>LD 49
REQ:PRT
TYPE:FCR
CRNO n (NCOS No : 0,1,2,3.....)
=====
To check Status Of TTY Port:
>LD 37
.STAT TTY
>LD 22
REQ:PRT
TYPE:ADAN TTY n
=====
To check Connection Of Digital phones:
>LD 32
.IDU l s c u (Display's the type of digital phone if properly connected by MDF)
=====
To see Unused Voice Units
>LD 20
REQ:LUVU
REQ:LUC (Print Unused Cards)
REQ:LTN(List TN of Type Specified)
TYPE:COT/DID/MUS/PRI/TIE
=====
To know DID Dedication:
>LD 49
REQ:PRT/CHG
TYPE:IDC
CUST:0
IDGT:nnnnn (Last Digit Of DID)
Nnnnn mmmm(Dedication On)
=====

```



To view the trunk lines dedicated to particular ACOD/Route

```
>LD 21
REQ:LTM
CUST:0
ROUT:
ACOD:nnnn
```

To see system ID & RLS

```
>LD 22
REQ:ISS/SLT/TID
```

To know Keypad Features

```
>LD 57
REQ:PRT
TYPE:FFC
CUST:0
CODE:ALL or Specific Code (Like PLDN...)
```

To Program a CDR port

```
>LD 17
REQ:CHG
TYPE:ADAN TTY X
:
:
USER CTY XMTC(Remove MTC)
USER CTY CDR
```

To have Different DN's in same Pickup group

```
>LD 20
:
RNPG n (Have same n for all the Extns in this particular pickup group)
:
>LD 57
REQ:PRT
TYPE:FFC
CODE:PU RN
```

To know the RCO Parameter>LD 21

```
REQ:PRT
TYPE:RDR
```

To see the details of Login of that Day

```
>LD 22
REQ:PRT
TYPE:PHST
```

To see after Print History

```
>LD 22
REQ:PRT
TYPE:AHST
26.To check Daily Routine Tests
>LD 22
REQ:PRT
TYPE:OVLY
:
TODR 01(Means 1am - When traffic is minimum)
```

To change Time Of Daily Routine Tests

```
>LD 17
REQ:CHG
```

TYPE:OVLY
:
:
TODR 09 (Means 9am)
DROL 32 36 43 135 137

=====How to Program a Speed Call

List

- Step 1) LD 18
- Step 2) REQ: NEW
- Step 3) TYPE: SCL
- Step 4) LSNO: (0-8190) Pick an unused number for Speed Call List
- Step 5) TOLS: (skip this) To list (new speed call list number)
- Step 6) NCOS: (0)-99 - 0 is the default. *Speed calls override the telephones NCOS* You should change to match the telephone's NCOS
- Step 7) DNSZ: 4-(16)-31 - This is the maximum amount of Digits allowed for each Speed call list.
- Step 8) SIZE: 1-1000 - Maximum Telephone #'s allowed per List
- Step 9) WRT (YES) NO - This tells the PBX to back it up in the "Data Store"
- Step 10) STOR xxx yyy...y - xxx- the position in the list Yyy-yyyy is the telephone number-*Remember to program a "9" if you use it to dial out with. Ex. 01 9,1-800-555-1212
- Step 11) WRT (YES) NO - This tells the PBX to back it up in the "Data Store"

=====

To set the time and date of your system you program in load 2:

- Step 1) LD 02
- Step 2) STAD "Day Month Year Hour Minute Second" i.e. STAD "24 11 1976 15 41 49" = November 24th 1976 3:41pm 49 seconds" To test it...
- Type: "TTAD" - (this tests time and date)

=====

Printing a Phone

LD 20
REQ:PRT
TYPE:DNB
CUST: 0 DN: i.e. 5555
Then press enter until it begins to auto scroll. This will give you the Phone "Type" i.e. 2616 and the TN i.e. "12 00 05 00" Then type: REQ:PRT TYPE:(Phone type)or ("TNB") Valid phone types 2xxx -You may enter: 2000,2003,2006,2008,2009,2016,2018,2112,2216,2317,or 2616
3xxx -For Taurus sets (Release 24 Later) 3901,3902,3903,3904, or 3905
TN: This is where you put the TN info you printed above. example:"12 00 05 00" Then "enter through"
===== Looking up Error Messages

To look up error message(This may not work for all Release software):

- Step 1) Log In
- Step 2) Type (4 stars - "Shift 8") " **** "
- Step 3) Type "Shift and the "1" Key
- Step 4) Type "ERR then "space" the "error message" Ex. SCH0600 (Shift) "1" >ERR SCH0600 (enter) > SCH0600 Illegal Input Character

=====

Moves/Adds/Changes Moving a Telephone

To move a Telephones between exsiting location: LD 10 for Analog LD 11 for Digital LD 20 (for RIs 19 and above)
REQ: MOV
TYPE: (Phone Type)
TN: (Terminal Number)
TOTN: (To new TN Number) Then Enter Through... Here is an Example: Thelma X5000 TN 12 0 0 0 TYPE: 2008 Louise X5001 TN 12 0 0 1 TYPE: 2616 Find and empty Digital Tn that is not programmed (i.e.12 0 0 10)
Then
In LD 20 do a:
REQ: MOV
TYPE: 2616
TN: 12 0 0 1
TOTN: 12 0 0 10
then Enter through.. Now Louise is in limbo right now..then do a

REQ: MOV
 TYPE: 2008
 TN: 12 0 0 0 TOTN: 12 0 0 1
 Then Enter Through... now Thelma is moved to where Louise was... Then do
 REQ: MOV
 TYPE: 2616
 TN: 12 0 0 10
 TOTN: 12 0 0 0 Then Enter Through..

=====

Deleting a telephone

In LD 20 Do a:
 REQ: OUT
 TYPE: (Type of phone you are outing)
 TN: (The TN of the phone you are outing) Then Return Through.

Enabling a phone

To Enable a phone, at the
 REQ prompt in LD 20 or 32
 type ENLU then the TN of the phone.
 LD 20 REQ: ENLU "TN" (i.e. ENLU 12 00 05 00)

Disabling a phone To Disable a phone at the REQ prompt type DISU then the TN of the phone. REQ: DISU
 "TN" i.e. DISU 12 00 05 00

(TOP) Changing the Display name To change a name always out the old name then insert the new name. LD
 95 REQ: OUT TYPE: NAME CUST:"0" DN: 5555 Return through to the "REQ" prompt. Then add the new name:
 REQ: NEW TYPE: NAME CUST:"0" DN: "The extension" i.e. 5555 NAME: "The name" i.e. BOB JONES You can
 add more names at the next "DN" prompt

=====

Building an ACD Mailbox

Step 1) LD 23
 Step 2) REQ: NEW
 Step 3) TYPE: ACD
 Step 4) CUST: 0
 Step 5) ACDN:(Enter the mailbox number or DID #)
 Step 6) MAXP: 1
 Step 7) NCFW: (Voicemail number)Or the number you want this acd to forward to
 Step 8)Then "Enter" Through You have just created an ACD Mailbox in the pbx. When ever anyone calls this
 number it will automatically forward to voicemail or the number that you assigned in "(NCFW field) - Night
 Call Forward" prompt. *Please note: Make sure you create a mailbox in your Voicemail with the same
 extension. * You can label the name in LD 95

=====

Printing Routes

LD 21:
 REQ: PRT
 TYPE: RDB
 CUST: 0
 ROUT: (specify a specific route number or leave blank for all of them) ACOD: (you can sort by access code or
 leave it blank) Scroll through with "Enter" This is another long list you might want to try to capture it before
 you press "enter"

===== **Listing Trunk Members**

LD 21
 REQ: LTM
 CUST: 0
 Route: (you can specify specific routes or leave it blank for all of them)
 ACOD: (Blank or you can sort by access code)

=====

Printing Customer Info

LD 21
 REQ: PRT
 TYPE: CDB
 CUST: 0
 Then scroll through..

be careful this is a long list be sure to set your printer to on or your procomm to capture before scrolling through.

=====

Listing Phone by Features

LD 81
 REQ: LST
 CUST: 0
 DATE: (you can sort by date) Page:
 DES: (you can sort by the Des description)
 FEAT: (this is where you put the feature of the phones you want to print) i.e. if you wanted to find all analog lines or phones you would put in "DTN"

=====

Finding the Issue and Release (software version) of your PBX

Ld 22
 REQ:"ISS" -This gives you the: Version Release ISSUE and any patches you have installed.

=====

Backing Up Your System To back up the PBX make sure there is a Meridian Floppy in the Floppy drive.

Then go to: LD 43 "." TYPE "EDD" Return through

=====

For Software Audit

>LD 44
 .AUDIT
 .R 1
 >AUD000 – Means no problem

=====

To see DTMF

>LD 97
 REQ:PRT
 TYPE:XCTP
 :
 :
 DTMF 218

=====

To see PCM Law

>LD 17
 REQ:PRT
 TYPE:PARAM
 :
 :
 PCMC A
 32.To see all Parameters
 >LD 17
 REQ:PRT
 TYPE:PARAM

=====

For DISA Details

>LD 24
 REQ:PRT/NEW
 TYPE:DIS
 DIS DN

=====

To copy an DN

>LD 10/11
 REQ:CPY n
 TYPE:
 CFTN:l s c u (Existing TN)
 SFLT: Auto/TNDN
 TN:l s c u (New TN)
 DN: (New DN)

```
=====
DTI Checking (DID\DOD)
>LD 60
.STAT
.LCNT (Display error in loop)
.RCNT (Reset loop)
=====
```

CDB Data

```
AML_DATA - Voice Mail
ANI_DATA - Automatic Number Identification Data
CDR_DATA - Customer Data Block
CCS_DATA - Controlled Class Of Service
FCR_DATA - Flexible Code Restriction NCOS Codes
FFC_DATA - Flexible Feature Code
FTR_DATA - Feature & Options Data
LDN_DATA - Listed Directory Number
MPO_DATA - Multi Party Operator
NET_DATA - PRI/DTI Data
NIT_DATA - Night Data
PWD_DATA - Password Data
RDR_DATA - Call redirection Data
TIM_DATA - Timer Data
=====
```

Trunk Configuration:

1. Check for the existing route number, ACOD & Free port.
2. Create a new RDB(LD 16)
3. Create a new COT(LD 14)
4. Have a print of one Existing RDB & COT

```
>LD 16
REQ:NEW
TYPE:RDB
CUST:0
ROUT: new no
DES:
TKTP:COT/DID/TIE
:
AUTO:YES
:
ICOG:IAO/IGT/OGT
:
SRCH:RRB
:
ACOD:new no
:
CNTL:YES
:
CDR:YES
TIMR : ICF 512
OGF 512
EOD 3968
DSI 3968
NRD 3968
DDL 70
ODT 4096
RGV 256
FLH 510
GTO 896
::
NEDU: ETH
FEDU: ETH
MUS: YES
```

```
MRT: Music Route No
::
FRL 0 n (Fill in same no as present in existing RDB)
1 n
2 n
3 n
4 n
5 n
6 n
7 n
TTBL: n (Fill in same no as present in existing RDB)
LD 14
REQ:NEW
TYPE:COT
TN:
DES:
XTRK:EXUT
FWTM:NO
CUST:0
NCOS:
RTMB:R.No M.No (R.No-Route No , M.No-Member No)
ATDN:
SIGL:LOP
TIMP:600
BIMP:600
SUPN:YES
STYP:BTS
:
BTDT:0
CLS UNR/DTN/WTA/LPR/APN/THFD/BARD/PIO/NTC/LOL
TKID
ACD Configuration
*Never copy an ACD DN as it will cause data corruption.
*All ACD Calls land on ACD Key.
*CALL CDN ACD Queue ACD Agents
*Agent Has to
1.Login
2.Logout – Press MSB Twice(Cannot RX ACD Calls & Can RX Extn Calls)
3.Not ready
4.Make set busy – Press MSB Once(Cannot RX Both ACD & Extn Calls)
5.Answer Supervisor
CDN Configuration (Controlled DN)
>LD 23
REQ:NEW
TYPE: CDN
CDN: nnnn
:
:
DFDN:mmmm (ACD Queue)
:
ACD Queue Configuration
>LD 23
REQ:NEW
TYPE:ACD
ACDN:mmmm
MAXP:100 (How many agents to be present in this queue)
FRRT (First RAN Route)
SRRT (2nd RAN Route)
NRRT (Night RAN Route)
OVDN (Overflow DN)
NCFW (Night Call Forward)
ACD Agents
```

NCFW (Night Call Forward)
 ACD Agents
 >LD 11
 REQ:NEW
 TYPE:2616
 TN:
 ::
 CLS AGN/SPV BUZZ RRGB
 KEY 00 ACD mmmm 0 nmm (mmmm – ACD Queue , nmm – Agent Id)
 1 SCR – Extn No
 2 NRD – Not Ready
 3 MSB – Make Set Ready
 4 ASP – Answer Supervisor
 5 EMR – Emergency Queue
 6 DWC 7000 – Display waiting calls

This entry was posted on 11:37 AM and is filed under . You can follow any responses to this entry through the [RSS 2.0](#) feed. You can [leave a response](#), or [trackback](#) from your own site.

1 comments:

On [December 29, 2011 at 2:03 PM](#) , [IP Store](#) said...

These command are very helpful to anyone who is using nortel phone. Because if you are using any product then you have all knowledge about that product mainly to command..

[Nortel IP Phone](#)

Post a Comment

Enter your comment...

Comment as:

Source Of Inspiration :

AVAYA



GHTROUT.com

 **PbxInfo**

[tspforum](#)

Scribd.

My Favourite Link..

[detikcom](#) [detikcom](#) [detikcom](#) [funny gifs](#)

