

# Leased Line (DLC) Services Overview



A leased line is a dedicated telecommunications path between two points that is available 24 hours a day for its user.

BSNL provides a wide range of services through its Leased Line network at an optimal cost to Enterprise Customers.

Leased Line can be either of two types:

- (A) Managed/MLLN
- (B) Non-Managed/Classical

# Leased Line (DLC) Services

## MLLN Overview



- The MLLN (Managed Leased Line Network) system, is an integrated, fully managed, multi-service digital network platform.
- MLLN can provide high-speed leased lines with improved QOS, high availability and reliability using the NMS (Network Management Service), which includes powerful diagnostics and maintenance tools.
- NMS also supports Service Provisioning, Network Optimization, Planning and Service Monitoring.

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## Leased Line (DLC) Services

### MLLN Features



- 24 Hours performance monitoring of the circuit.
- Circuit fault reports generated proactively.
- On-demand Increase/decrease of bandwidth.
- Low lead time for new circuit provisioning
- Protection against the failure of the circuit.
- Pro-active maintenance, without waiting for customer to book a complaint.
- Alternate routing in case of any route failure
- Centrally managed from ROT connected to the NMS.

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### MLLN Applications



- Point-to-Point & Point-to-Multipoint Connection for data circuit.
- Corporate Hi-Speed Internet Access through NIB.
- Virtual Private Network (VPN) on MLLN network.
- LAN Inter connection
- Hotline connectivity for voice
- EPABX inter-connection

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## Leased Line (DLC) Services

### MLLN Advantages



- Bandwidth management as per customer requirement (64 Kbps and nx64 Kbps up to 2048 Kbps)
- Saving the cost of modems. NTU is provided by BSNL on rental basis.
- Proactive maintenance
- Time dependent bandwidth
  - Min. period: One month
  - Min. time per day: Six hours

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## Leased Line (DLC) Services

### MLLN Advantages

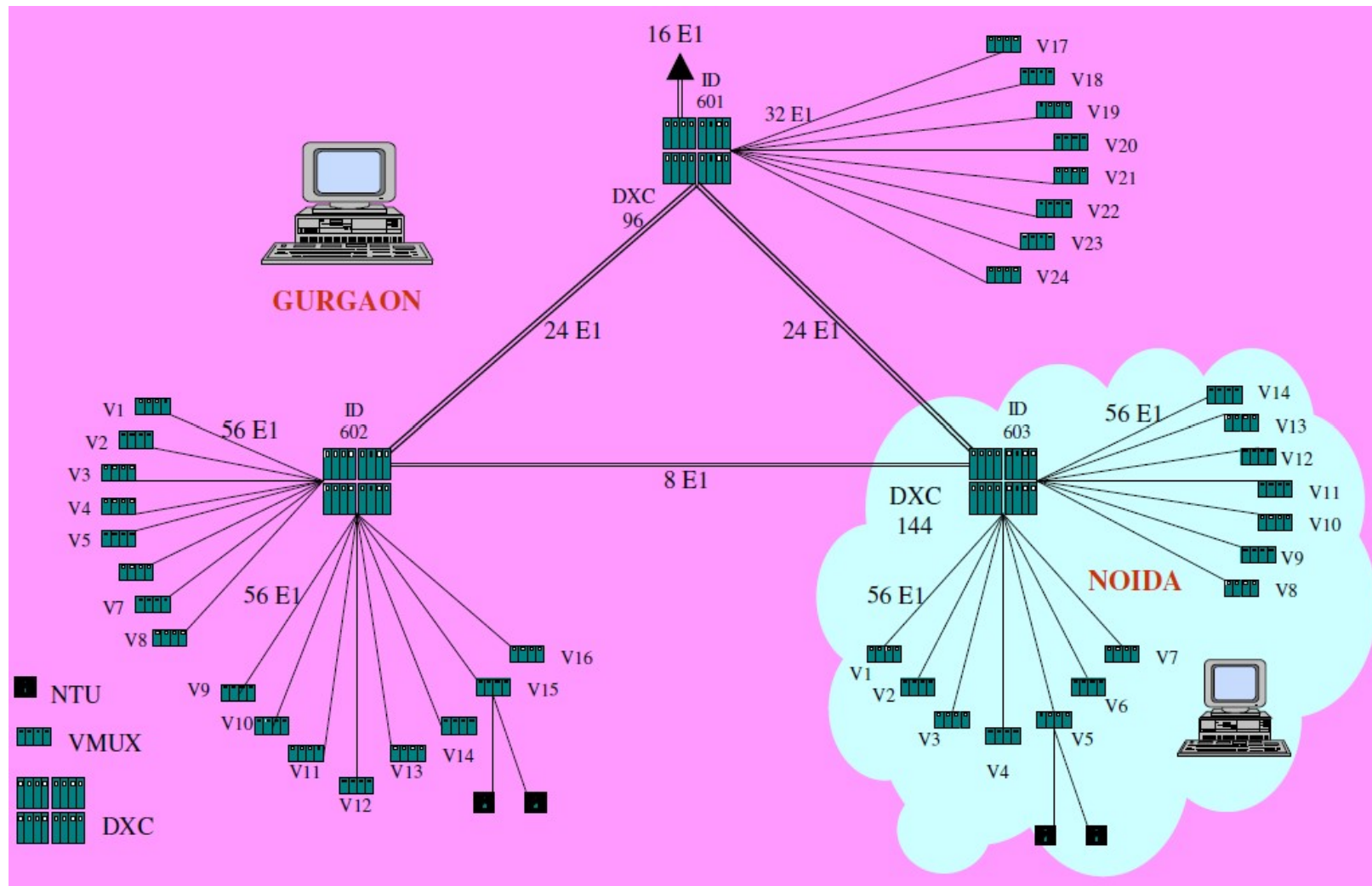


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## Typical MLLN Network



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