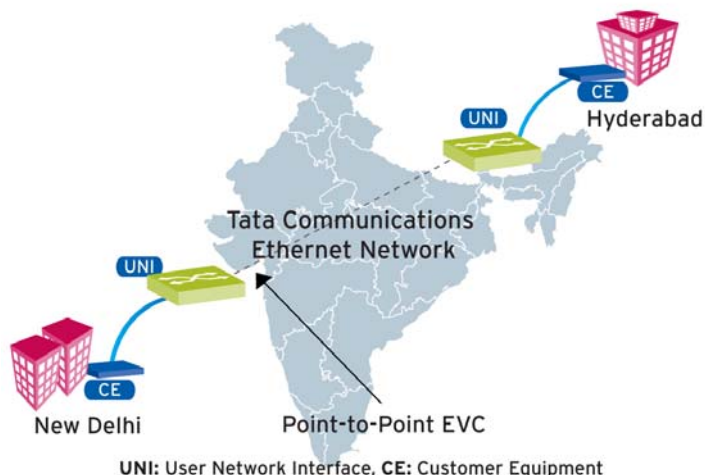


# NATIONAL DEDICATED POINT TO POINT ETHERNET

## Data Sheet



- Service to more than 100 cities in India
- Empowering choice with unparalleled flexibility
- MEF-9 certification
- Non-service affecting upgrades

### National Ethernet Services

Tata Communications' National Dedicated Point to Point Ethernet service utilizes an expansive fiber network in India to bring secure, reliable, and incrementally upgradeable connectivity to the premises of enterprises operating in more than 100 cities throughout India. The service is part of Tata Communications' comprehensive offering of WAN Ethernet services, enabling enterprises to select or combine the most appropriate Ethernet service for their needs.

This service features:

- Extreme bandwidth flexibility
- Point to point configuration
- Ring protection
- Transparent pipe
- A single priority service with frames forwarded in the order received

Empowered by unparalleled choice, customers enjoy unparalleled flexibility. For instance, enterprises can choose virtually any bandwidth they require to meet current business demands. When demands increase, they can scale the solution without experiencing disruptive service interruptions and without requiring costly, time-consuming changes to contractual agreements.

### Certifications and Standards Compliance

National Dedicated Ethernet features MEF-9 service certification, indicating compliance with an international standard developed by the Metro Ethernet Forum (MEF), a global industry alliance of more than 120 organizations including telecommunications service providers, cable operators, MSOs, network equipment, test vendors, labs and software manufacturers, semiconductors vendors and testing organizations. MEF develops technical specifications and implementation agreements to promote interoperability and deployment of carrier-grade Ethernet worldwide. Please go to [www.metroethernetforum.com](http://www.metroethernetforum.com) for details.



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## Features and Benefits

| Feature                        | Details   | Benefits   |
|--------------------------------|---|--|
| Choice of Bandwidth            | <ul style="list-style-type: none"> <li>2-100 Mb in 2 Mb increments</li> <li>50 – 1,000 Meg in 50 Meg increments</li> </ul>  | Enhanced ability of customers to match bandwidth requirements with exact bandwidth purchases.  |
| Choice of Interface Handoffs   | Fast-E Interface: <ul style="list-style-type: none"> <li>100BaseTx (copper RJ45)</li> <li>100BaseFx (fiber, SM/MM 1310nm)</li> </ul> Gig-E Interface: <ul style="list-style-type: none"> <li>1000BaseLX (fiber, SM, 1310nm)</li> <li>1000BaseSX (fiber, MM, 850nm)</li> <li>1000BaseTx (copper RJ45)</li> </ul> | Greater growth potential without changing interfaces. Port flexibility based on future growth. Offering choice based on fiber vs. copper preference. Wider selection of handoffs between customer and Tata Communications. |
| Choice of frame sizes          | Standard frame sizes (64-1518) and jumbo frame sizes (64-9,000 Bytes) on request  | Improved efficiencies of routers and bandwidth usage.  |
| Committed Bandwidth            | Committed Information Rate (CIR)  | Certainty for a customer that the ordered bandwidth is always available for use.   |
| Non service-affecting upgrades | Bandwidth can be upgraded without service interruption and without changing ports   | Seamless growth, improved business continuity, cost reduction.   |
| Resiliency                     | Ring-based protected services   | Higher availability and lower jitter.<br><i>Please refer to Technology Overview document for more detail.</i>  |

## Service and Support

Tata Communications offers customers a competitive Standard Service Level Agreement (SLA). The Standard SLA, based on a calendar month, includes the following:

### Availability

- Protected Circuit – 99.9% (between major cities), 99.5% (for other cities)

### Applicability

- Measured from Tata Communications' PoP-to-PoP (on-net) or to the customer premise if the customer premise is on-net

\* Please refer to the SLA Schedule for the most current SLA parameters.

## National Dedicated Ethernet complies with the following standards:

| Service Feature                     | Standard Supported                  |
|-------------------------------------|-------------------------------------|
| Service Protection                  | MEF 2                               |
| Service Description                 | MEF 6, ITU-T G.8011                 |
| EMS & NMS Profile                   | MEF 7, MEF 15                       |
| Service Capabilities Conformance    | MEF 9                               |
| Service Performance Characteristics | MEF 10.1                            |
| Customer Interface                  | IEEE 802.3xx , MEF-13, ITU-T G.8012 |
| QoS/CoS                             | IEEE 802.1P, IEEE 802.1Q            |
| Transport                           | ITU-T G.707, G.7041, G.7042         |

## For More Information

For more information about National Dedicated Point to Point Ethernet or other Tata Communications' Ethernet services, please visit [www.tatacommunications.com](http://www.tatacommunications.com).

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