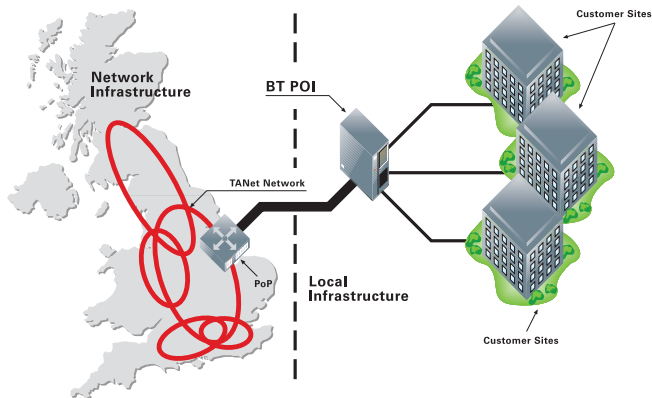


TANet Access/Private Circuits

TANet Access/Private Circuits

What are TANet Access/Private Circuits?

TANet Access/Private Circuits offers a solution to last mile connectivity issues, replicating the functionality of traditional leased lines, providing service from 64 Kbps up to 155 Mbps from TANet Points of Presence directly to end customer premises.



They present a functional equivalent and cost effective alternative to traditional leased line products. By establishing a UK wide network of extremely high bandwidth wholesale Points of Interconnection (POI) with BT local and regional SDH/fibre infrastructure, Fibernet is able to offer a complete portfolio of last mile connectivity services at price points that will challenge traditional retail contracts.

With a single point of supply for both local and national connectivity needs, Fibernet customers enjoy single source ordering, provisioning, maintenance, billing and technical support. This end to end control of service delivery ensures that we are able to offer the very highest levels of service availability, management and value.

At key Points of Presence on each of the TANet national and metropolitan fibre optic rings, Fibernet has established one or more interconnects with BT's local fibre infrastructure, enabling services based upon SDH transmission to be reliably and cost effectively terminated directly to end customers premises. New interconnects are continually growing in number and already provide service to more than 80% of the UK business community.

National circuit availability is enhanced through the TANet network. Each SDH ring is interconnected with its national or metropolitan neighbour in at least two or more locations ensuring no individual point of failure. Traffic from TANet Access/Private Circuit connections is simultaneously transmitted in both directions around each ring. One of the key benefits of this approach compared to that of traditional wide area networks is the removal of any single point of failure from the network. Customer connectivity and throughput is maintained even in the event of network malfunction.

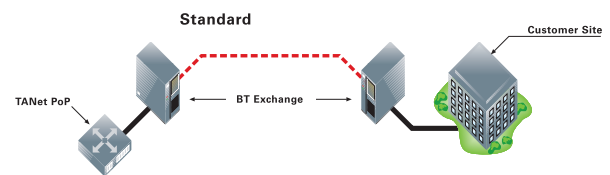
The management capabilities of the TANet SDH infrastructure permit sophisticated control of network traffic. This in turn allows improved network restoration and reconfiguration capability, resulting in higher availability and faster provisioning of services. The TANet Network Operations Centre is based in Central London and is itself supported by a hot standby facility in Hampshire

Service Options

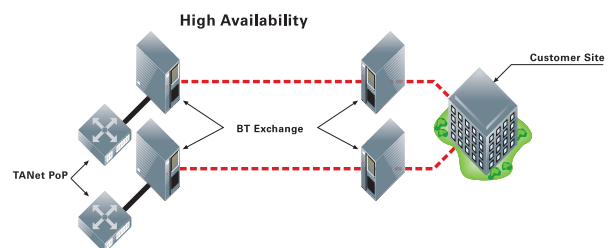
TANet Access/Private Circuits are available in two different configurations, each designed to achieve different levels of resilience.

The options for delivery will be via either new or existing copper or fibre infrastructure.

➤ **Standard** service provides a straightforward direct connection on a single building entry point.



➤ **High Availability** service can be achieved by routing End to End circuits from 2 separate TANet Access PoP's where each path is kept separate from the other. Traffic takes separate routes from the Customer site through the TANet Access Local Infrastructure to the TANet PoP, ensuring no common exchanges or cables are used. In the event of the failure of one path, the other carries the full traffic load, uninterrupted.



Features

↘ Network Connection

TANet Access/Private Circuits provide the 'Last Mile' connectivity from your locations to the Fibernet network

↘ Cost Effective

TANet Access/Private Circuits provide a leased line alternative at a cost effective and competitively priced level

↘ Multiple Delivery Options

Full Diversity (via High Availability option) can be achieved

↘ Online Ordering

Online ordering, provisioning and customer service functions will be made available via a secure extranet during 2004

↘ Wide Ranging Circuit Speed

Circuit bandwidths from single 64k channels up to 155 Mbps

↘ National Coverage

The TANET Access/Private Circuits product is available UK wide encompassing all major UK towns and cities

Benefits of Implementing TANet Access/Private Circuits

↘ Reliability

TANet Access/Private Circuits provide a robust, well managed and extremely reliable means of communication to TANet services.

↘ Cost Savings

Significant cost savings can be realised by replacing traditional leased lines with TANet Access/Private Circuits combined with other Fibernet services.

↘ Ease of Deployment

Implemented and installed in line with standard leased line products.

↘ Cost effective alternative to Symmetric DSL

Services are delivered at bandwidths equivalent to those offered by SDSL (64k - 2Mbps) but with far wider national coverage.

↘ On Line Ordering and Progress Reports

For those with large circuit inventories, the planned extranet service will significantly reduce the cost and management overhead of maintaining large customer/site populations.

At a glance

| Feature | Options |
|--------------------------|---|
| Circuit Bandwidths | 64k, n x 64k, 2/34/45/155Mbps |
| Interfaces | X21(DB15), G703/4(RJ45 or BNC), FCPC(STM1) |
| Backbone Technology | SDH |
| Availability (SLA) | Single Point - Point 99.85% Diverse Routing 99.95% Dual PoH (Separation) 99.995% |
| Fault Response Target | 4 hours |
| Fault Restoration Target | 8 hours |
| Delivery Targets | 15 working days for 64K ~ 256K 35 working days for 256K ~ 2Mbps 62 working days for 34Mbps 77 working days for 155Mbps |
| Coverage | National UK |
| Customer Service | Central support and proactive management 24 x 7 x 365 |

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Service availability may vary by location. Errors and Omissions excepted. Contents correct at time of press.

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