Get more bandwidth and better performance from your data network at a better price



Ask your carrier about

Managed Wavelength Services that give you the Lucent Advantage™

With Managed Wavelength Services, IT managers can:

- Lower the total cost of services
- Consolidate network access and transport
- Improve support for core business applications
- Create a scalable platform for growth
- Shift management responsibility to the carrier

Lucent Technologies
Bell Labs Innovations

Managed Wavelength Services



Managed Wavelength Services provide cost-effective, multi-location Storage Area Network (SAN) over distance interconnects and high-speed Wide Area Networking (WAN) services.

Enterprises can consolidate existing and new network services onto a single transport platform that is less expensive to operate, compared to infrastructure and maintenance expenses for multiple private lines that are built to purpose.

Information Technology (IT) managers are working overtime to consolidate diverse network elements into economical and easy-to-manage networks. Incremental and expanded applications such as remote storage, centralized hosting, and high-speed site-to-site networking are key drivers for a new set of Storage Area Network (SAN) and Wide Area Network (WAN) transport requirements. Enterprises are asking carriers for protocol flexibility and network reliability backed by service level agreements (SLAs), and the ability to quickly and easily scale bandwidth. They are anxious to move away from operating multiple, legacy data networks that are built to purpose, in order to drive cost efficiencies in provisioning, management, training and maintenance.

Now there's a solution that delivers high-performance and high-bandwidth—while lowering data networking costs.

Managed Wavelength Services provide a unified, protocol-independent optical transport solution with ultra-high-speed, point-to-point enterprise site connectivity. Managed Wavelength Services are delivered over Dense Wavelength Division Multiplexing (DWDM) platforms that generate optical signals, multiplexing virtually unlimited bandwidth over one fiber pair. This makes Managed Wavelength Services ideal for large enterprises looking for a flexible way to expand their data networks to meet complex, growing needs.

Lower the total cost of services

Managed Wavelength Services provide an integrated and tested solution that enables enterprises to consolidate storage infrastructure, facilitating data access and movement throughout their entire IT infrastructure. With fewer network layers and carrier DWDM management, IT staff and training costs and equipment can be reduced significantly. Within major metropolitan areas, enterprises can partner with their carrier to meet their WAN transport needs to save time and money.

Consolidate network access and transport

By offering a high-bandwidth, low latency dedicated wavelength, the transport layer becomes "protocol agnostic." Managed Wavelength Services allow companies to cost-effectively converge network services, including WAN, SAN, and Internet access, through one unified, scalable architecture. The transparent optical backbone reduces the overhead of disparate premises equipment and management systems.

Improve support for core business applications

Managed Wavelength Services provide fast and reliable enterprise transport connectivity. DWDM supports SONET (OC-12, OC-48), Gigabit Ethernet and SAN service rates at the highest-available performance levels. The solution is highly reliable, especially when carriers use Lucent's unique, self-healing Metro-ring architecture. Mission-critical data exchanges can continue, 24x7. This feature also makes Managed Wavelength Services an ideal disaster recovery strategy for SAN systems.

Create a scalable platform for growth

The nature of DWDM makes it easy to turn on more bandwidth "on demand." Intelligence is built into the Wavelength Services system so it can automatically adapt to different enterprise





needs. IT Managers can meet increasing user demand, subscribe to additional applications and take advantage of next-generation services quickly while leveraging equipment already in place.

Shift management responsibility to the carrier

Typically, metro optical DWDM equipment resides on the enterprise premises and enables private, dedicated network connectivity from the premises to the carrier network. The carrier operates and maintains the end-to-end channel with service level guarantees. Wavelength Services offer the benefits of high-performance transport, saving the cost of leasing dark fiber and installing DWDM equipment, while eliminating special optical expertise requirements in IT headcount.

Get the Lucent Advantage™

The most reliable and advanced carrier networks deliver Managed Wavelength Services with the Lucent Advantage™, using Metropolis® Enhanced Optical Network (EON) systems from Lucent Technologies. Metropolis® EON, derived from the industry-leading WaveStar® OLS 40G/80G, transports transparent wavelength services in their native protocol with non-intrusive performance monitoring for both SONET/SDH and data applications. Managed Wavelength Services that deliver the Lucent Advantage™ also carry IBM "Total Storage Solution" and EMC certification as a recommended real-time, high-speed data interconnect solution. And with ring network architecture to provide millisecond resiliency, Managed Wavelength Services solution provide reliable and advanced DWDM solutions. Talk to your carrier today about Wavelength Services that offer enterprises the Lucent Advantage™: cost-effective reliability to prevent interruptions to mission-critical data transfers.

To learn more about Managed Wavelength Services, please contact your carrier. Be sure to ask for services that leverage the Lucent Advantage™.

To learn more about Lucent Technologies, visit our web site at http://www.lucent.com.

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