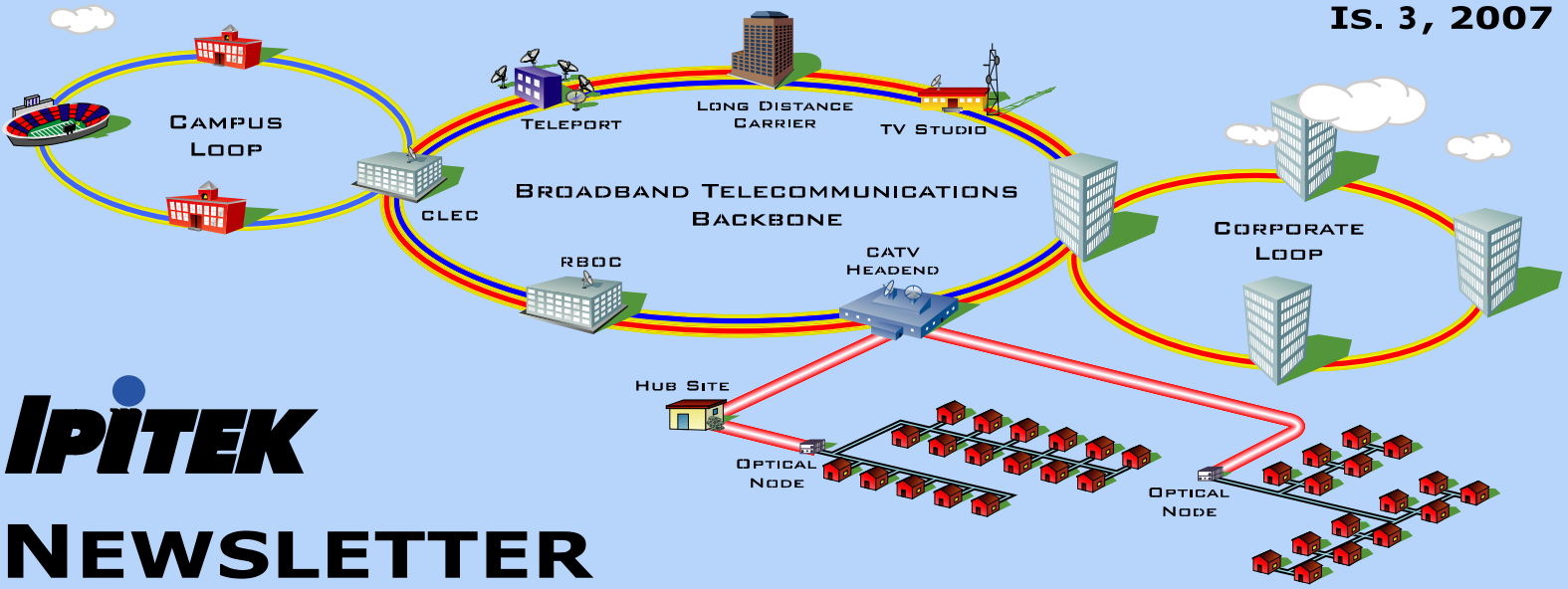
Is. 3, 2007



IPITEK NEWSLETTER

AST - ADVANCED BROADBAND TRANSPORT

Introduction:
IPITEK's new Advanced Services Transport provides network operators with a tool to utilize an advanced, high performance transport system while minimizing space and power requirements. Designed for multiple types of operations, the AST system provides a platform that can contain up to 21 operating modules of any type, while requiring only 7 inches of rack space. The platform is designed for multiple services and can be provisioned with dual power supply modules that are easily accessible at the front of the unit and do not require external devices.

Key features of the AST system include:
It is easily provisioned for Targeted Services Delivery operations where a 1:1 transmitter to node system is required.

Provides for any type of forward or return operations with a complete line of 1310 nm DFB transmitters, DWDM or CWDM forward and return transmitters. The system also provides a line of standard or high sensitivity forward and return optical receivers.

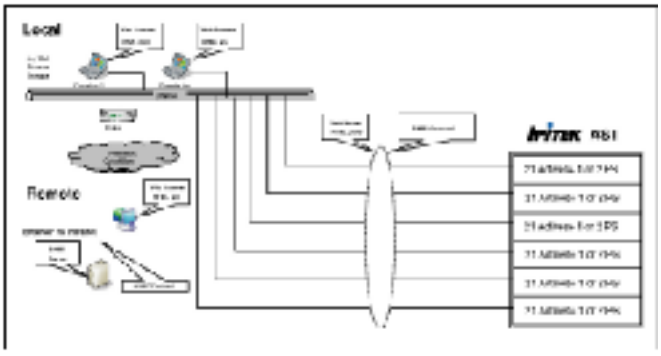
The AST system utilizes front panel fiber connection, allowing all modules to be inserted from the front of the unit, minimizing and simplifying module replacement. The chassis includes a quick disconnect system, eliminating the need to remove cables to change a module.

Available module options:
Transmitters: 1310 DFB 1 GHz forward and 300 MHz return;
1550 ECL 1 GHz forward
550 QAM forward and return
CWDM forward and return

Receivers: Downstream 1 GHz
Upstream 5-300 MHz single, dual or protected

Other: Optical Fiber Amplifier
Optical Switch forward or return
RF Switch forward or return
RF Amplifier forward or return

There are no slot restrictions and any combination of units can be provisioned to meet any network requirement. System setup, operation and network monitoring are controlled through the Control Management Module (CMU) system.



The CMU system provides a local Ethernet connection to any PC that contains a standard web browser. It also includes an SNMP agent that generates SNMP alarm traps to higher level SNMP management systems.

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