NATIONAL SECURITY AGENCY
TECHNOLOGY TRANSFER PROGRAM
Office of Research & Technology Applications

US Patent #8,233,397
NSA Reference #1788

AVAILABLE FOR LICENSING

Dynamic Network Traffic Rerouting

CYBER

This technology calculates a new shortest path in a network, allowing administrators to take advantage of underused links more effectively and reduce the network congestion experienced by users.

The invention has applications for providing services in networks such as MultiProtocol Label Switching (MPLS) and Generalized MPLS/Automatically Switched Optical Networks (ASON), which are governed by protocols such as the Open Shortest Path First-Traffic Engineering (OSPF-TE) and Resource Reservation Protocol (RSVP).

FEATURES	BENEFITS
Finds alternative shortest network path	Lower operating costs More effective administration
Minimizes links needed	Faster performance
Supports multiple network types and protocols	Integrates with existing infrastructure

POTENTIAL APPLICATIONS

- Wireless MESH networks
- MultiProtocol Label Switching (MPLS)
- Automatically Switch Optical Networks (ASON)

DEVELOPMENT STAGE

EARLY | **MID-STAGE** | COMPLETE

*This technology is at **mid-stage** development.*
A technical briefing is available upon request.

National Security Agency
Office of Research & Technology Applications

9800 Savage Road, Suite 6843
Ft. Meade, MD 20755-6843

(866) 680-4539
tech_transfer@nsa.gov
www.nsa.gov/techtransfer