①Net IP VPN

Secure, private and efficient network communications is a top concern for today's companies. To address these concerns, TelePacific offers ①Net, an Internet Protocol based Virtual Private Network (IP VPN) service that allows customers to establish private and secure communications between their offices.

No special hardware or encryption is needed by utilizing TelePacific's Multi Protocol Label Switching (MPLS) network to establish private communications between your locations. MPLS allows TelePacific to build unique user groups to establish your private network; data cannot be captured or viewed by anyone outside of your predetermined user group. Plus, there are ①Net solutions for locations worldwide along with access options for remote users. With ①Net, there are:

- No firewalls which eliminates administrative overhead
- No encryption which gives you faster performance
- No tunnels which means there is no configuration required to add additional sites
- No additional hardware to save capital costs
- Plus, you can preserve existing IP address schemes which means less work on implementation

By eliminating firewalls, encryption and tunnels, you can improve performance while cutting costs and unnecessary workload.

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①Net provides the same level of security and privacy as private line, ATM and frame relay services at less cost and more efficiency.

With a ①Net IP VPN, you have:

- Private communications between IP VPN locations without specialized hardware or software
- Any-to-any communications for all locations which allows your traffic to follow more efficient paths than traditional hub and spoke networks
- A security level sufficient to address HIPAA or similar government regulations
- Support for enhanced features
- Strong Service Level Agreements (SLAs)

The term Virtual Private Network can be applied to any network that provides users with private communications over a shared network backbone. In addition to the TelePacific ①Net service, this term can be applied to Frame Relay or Asynchronous Transfer Mode (ATM) networks. ①Net provides the same level of security and privacy as private line, ATM and frame relay services at less cost and more efficiency.

TelePacific ①Net uses Multiprotocol Label Switching (MPLS) technology to provide secure private networking with advanced feature options. Using this service, you may communicate between any of your locations without the need for firewalls, encryption, and the administration or maintenance required to build a VPN across the Internet. This avoids support and administration costs, simplifies the network topology, and allows you to focus your security efforts on your Internet access points for public networking.

Voice Compression Comparison	TelePacific On Net	Extended Reach USA*
QoS Element	SLAs	SLAs
Network Availability for All CoS	99.999%	99.999%
Packet Loss for All CoS	0.05%	0.05% CoS 1–5, 0.1% CoS 6
Latency for for All CoS	50 ms	100 ms
Jitter for CoS1	5 ms	10 ms
Jitter for CoS2	7 ms	14 ms

** TelePacific provides strong SLAs for ①Net to assure customers of reliable service. Some US and all international locations may be subject to different SLAs.*

①Net features include:

- ①Net Extended Reach services to locations worldwide
- ①Net Class of Service Packages (CoSP) that offer 6 Classes of Service (CoS)
- ①Net Outbound Internet Failover (OIF) that integrates ①Net with redundant Dedicated Internet Access services (DIA)
- ①Net with Internet for smaller customers that want an integrated solution
- ①Net Remote User for travelers and others to access your network from any Internet connection worldwide
- ①Net remote CPE that provides secure access over the Internet for a remote branch site

With ①Net, you will also have access to our iNOC portal for network monitoring, reporting and proactive notification to track your ①Net network performance. In addition, all ①Net solutions include a TelePacific customer edge router necessary to connect each customer location to ①Net for a total managed network solution with Cisco router options.

①Net CoSP, CoS, and Multicast

TelePacific Class of Service Packages (CoSP) are bundled features to the ①Net product line and offer up to six different Classes of Service (CoS) for you when you want to segment and prioritize traffic according to specific application and networking requirements. Features include:

- Six CoSs to prioritize your traffic to address new business and networking applications and their specific requirements
- Five CoSPs that bundles CoSs and provides you with a robust and cost effective means to treat your different types of traffic at a more granular and customized level

①Net Extended Reach

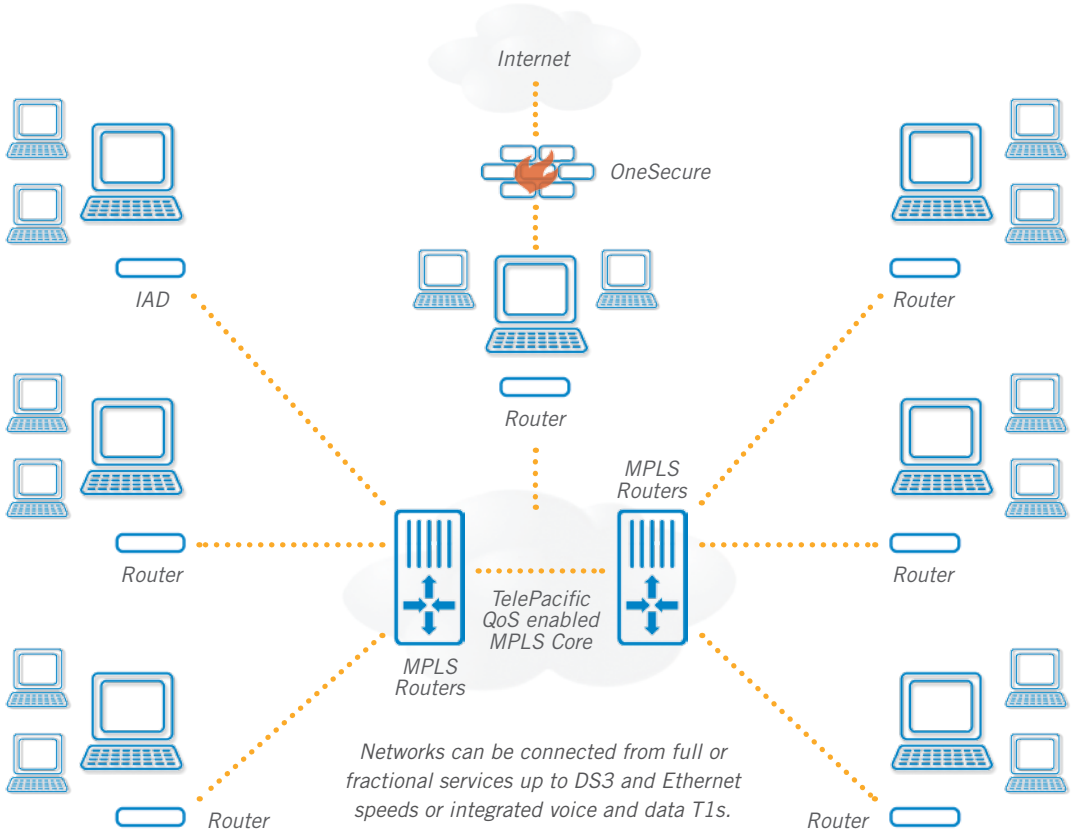
①Net Extended Reach offers you ①Net IP VPN connectivity to virtually any of your branch offices in the US and internationally. (See diagram on back page.)

①Net Outbound Internet Failover

Outbound Internet Failover enables you to route all your ①Net locations' Internet traffic over ①Net's IP VPN network to two or more of your ①Net locations that have Dedicated Internet Access (DIA) for shared, redundant and failure resistant

①Net Service Options

Includes locations outside the standard TelePacific footprint through our Extended Reach services.



Internet access. In the event of Internet access failure at one of your DIAs, your Internet traffic is rerouted automatically over your other DIA. (See diagram on back page.)

①Net with Internet

While ①Net service provides a completely private environment, some smaller customers may not require this degree of traffic segregation. For these customers, we provide ①Net with Internet, which supports both Internet and Private IP VPN communications across a single data connection.

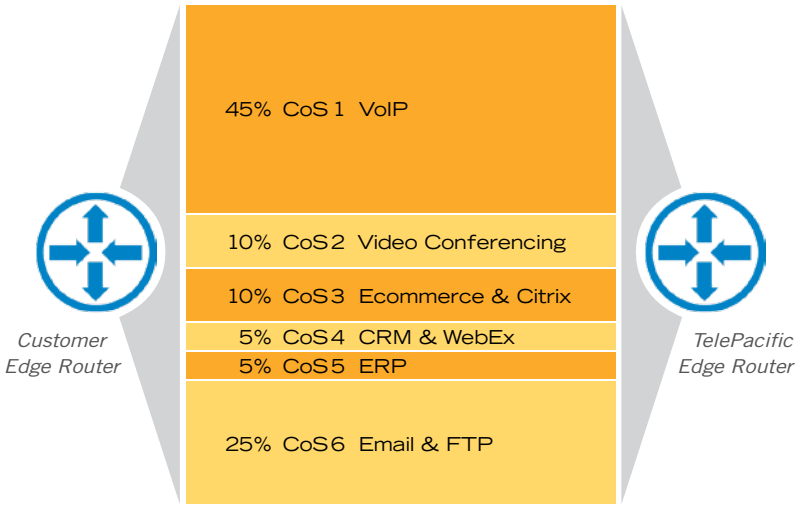
①Net Remote User

①Net Remote User enables traveling users, telecommuters, or similar users to gain access to resources in a secure manner from any available Internet connection.

①Net Remote CPE

①Net Remote CPE provides customers with secure communications for locations that cannot be directly serviced by TelePacific's ①Net services. This allows you to secure any dedicated Internet access service to your ①Net network.

Sample CoSP Configuration



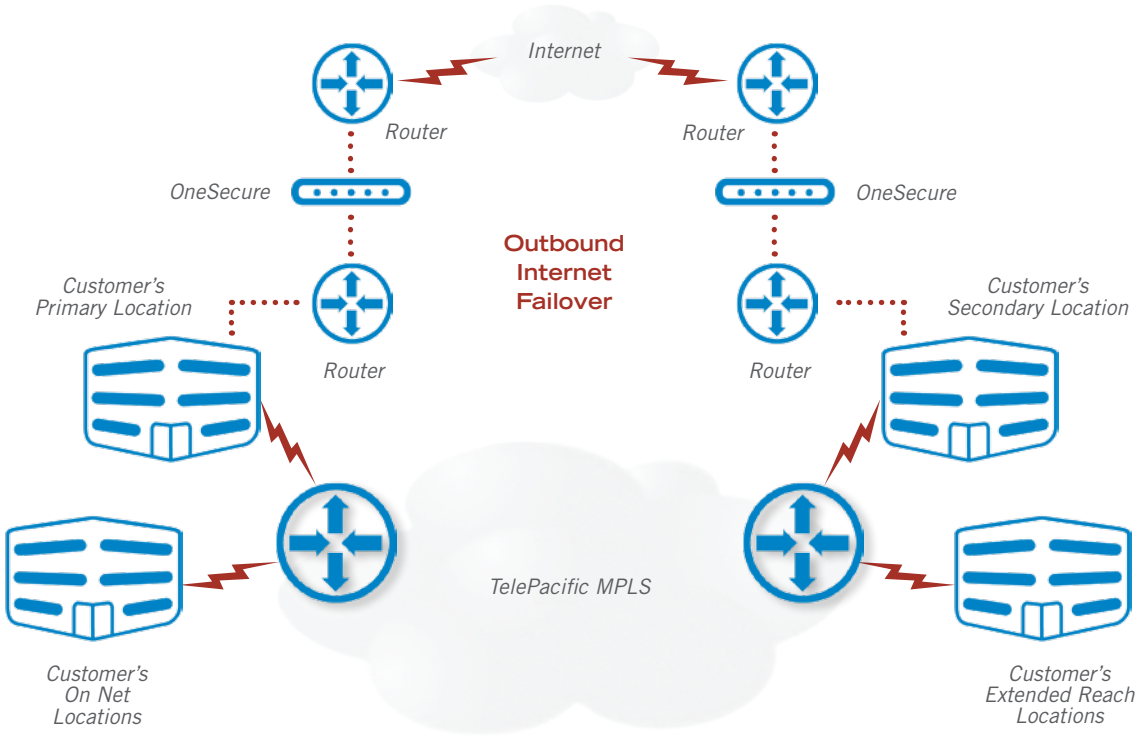
Optional Multicast — Best Effort >>

CoS	Traffic Type
CoS 1	VoIP real-time traffic
CoS 2	Video conferencing and real-time data traffic
CoS 3	High priority, delay-sensitive business data
CoS 4	Medium priority, delay-sensitive business data
CoS 5	General, less delay-sensitive business data
CoS 6	Best effort traffic with no prioritization

CoSs and their traffic characteristics

①*Net Extended Reach connects all your locations nationally and internationally*

Utilize your additional locations to achieve shared, redundant and failure-resistant Internet access.



In the event of Internet access failure on one of your DIAs, automatically route your Internet traffic to another location with Outbound Internet Failover.

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