Applications of MPLS Guaranteed Bandwidth Services

Voice Trunking over MPLS Virtual Leased Lines

Target Applications

Voice Trunking

Solution 1: Toll Bypass with Voice Network

Solution 2: Toll Bypass with Voice/Data Converged Network

Solution 3: Toll Bypass with VolP Network

Virtual Leased Lines

Solution 4: Virtual Leased Lines – Serial Links Solution 5: Virtual Leased Lines – Frame Relay Solution 6: Virtual Leased Lines – ATM

Solution 1: Toll Bypass with Voice Network



CPNS_Feb2001_QoS_Overview_ITD © 2001, Cisco Systems, Inc.

Solution 2: Toll Bypass with Voice/Data Converged Network



Solution 3: Toll Bypass with VoIP Network



Voice Trunking Summary



Solution 4: Virtual Leased Lines – Serial Links



Solution 5: Virtual Leased Lines – FR Networks



Solution 6: Virtual Leased Lines – ATM Networks



Virtual Leased Lines Summary



The Road to a QoS-Optimized Backbone

Road to a QoS-Optimized Backbone – Step 1



Road to a QoS-Optimized Backbone – Step 2



Road to a QoS-Optimized Backbone – Step 3



CPNS_Feb2001_QoS_Overview_ITD © 2001, Cisco Systems, Inc.