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SIP Goals			
 To supports some or all of five facets of establishing and terminating multimedia communications: 			
User location			
User capabilities			
User availability			
Call setup			
Call handling			
www.cisco.com			











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MGCP Digit Maps

Digit Maps

A grammar sent by the MGC to the MG

Instructing the MG how to accumulate DTMF input

Digit map can be tailored centrally and on a per-user basis

Example:

User A subscribes to basic telephony, User B subscribes to supplementary services as well

When User A places a call, the MGC sends a basic digit map to the gateway

When User B places a call, the MGC sends a digit map recognizing supplementary service invocation as well

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NotificationRequest— Signals, Events

• Signals:

Ringing; Distinctive ringing (0 .. 7); Ring back tone; Dial tone; Intercept tone; Network Congestion tone; Busy tone; Confirm tone; Answer tone; Call waiting tone; Off hook warning tone; Preemption tone; Continuity tone; Continuity test; DTMF tones; ASDI display

• Events:

fax tones, modem tones; continuity tone; continuity detection (as a result of a continuity test), on-hook transition; off-hook transition; flash hook; DTMF digits

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Solution Components— Cisco AS5300

Independent Test Rated Cisco No. 1 in VoIP

- Key Applications VoIP Toll Bypass Fax relay Modem / ISDN Internet access
- Performance Embedded, highperformance, low-latency architecture



www.cisco.com

- Carrier Class Highly scalable Supports 96/120 calls (4 T1/E1/PRI) per 2 RU 10MB & 10/100MB Ethernet
- VoIP protocol support H.323, RTP, RTCP, NTP, CRTP

















Services Plane—H.323			
 NetCentric Fax Store and Forward GRIC Clearinghouse svcs NetSpeak	 • TransNexus Clearinghouse svcs • VocalTec Calling card svcs • Cisco uOne Single Number Reach IP Voice mail Unified Communications 	Services Plane Partners Call Control Finnt	

Services Plane—Service Node VCO/4K Partners			
 Voice Messaging—Unisys, Priority Call Calling Card—Comverse, Vicorp, Simplified Debit Card—Comverse, Glenayre, Synapsys International Callback—Compro, ITL Operator Services—MD Telecom Predictive Dialing—Castel Directory Assistance—Voicetek/Aspect Voice Dialing—Intellivoice Lawful Intercept—ADC Single Number—Priority Call, Compaq/DEC Web-Enabled Services—Timeshift 	Services Plane		
www.cisco.com			





