

Associated Ses	sions
	Cisco.com
• ACC-1000	Introduction to Layer 2 Transport and Tunneling Technologies (L2VPN)
• ACC-2001	Sizing and Scaling Metro Layer 2 Services
• ACC-3001	Troubleshooting Layer 2 Transport and Tunneling (L2VPN) Technologies
• RST-1607	QoS in MPLS Networks
• RST-2603	Deploying MPLS Traffic Engineering
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Network Convergence – Class of Service → EXP Mapping						
L2VPN ATM Classif Suggested Traffic c	ication lasses	QoS Baselii	ne and ATI	M Forum T	Cisco.co M4.0 Com	pliant
ATM CoS + Implicit Classes	Typi IPP	cal L3 Class PHB	ification DSCP	L2 CoS	MPLS Exp	CLP
CBR VBRrt in profile	5	EF CS4	46 32	5 4	5	-
VBRnrt/ABR in profile	2	- AF21->CS3	24	2	2	-
VBRnrt/ABR OoP	1	AF11	9	1		1
UBR/Best Effort**	0	0	0	0	0	
**This does not include UBR-2 Serv ACC-2001 BR:09:09:00:3DX © 2003, Cisco Systems,	ice in whic	ch CLP would be s	set to 1			38





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ATM CoS	PCR policer CLP class	PCR exceed action	SCR color based policer	SCR exceed Action
CBR 1	CLP 0+1	Drop	No SCR	No SCR
CBR _{off}	No PCR	No PCR	No SCR	No SCR
UBR 1	CLP 0+1	Drop	No SCR	No SCR
UBR 2	CLP 0+1 (1)	Drop	No SCR	No SCR
VBR 1	CLP 0+1	Drop	CLP 0+1	Drop
VBR 2	CLP 0+1	Drop	CLP 0	Drop
VBR 3	CLP 0+1	Drop	CLP 0	Mark CLP 1
VBR 4	CLP 0+1	Drop	No SCR	No SCR
VBR _{off}	No PCR CLP 0+1	No PCR	No SCR	No SCR

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	_			Cisco.com
	CIR	EIR	CIR EXP	EIR EXP
			CIR DSCP	EIR DSCP
F R-1 Voice class)	x		5 (LLQ) EF	
F R-2 Video class)	x	Y	4 (CB1) AF11	3 AF12
FR-3 Business class)	x	Y	2 (CB2) AF21	1 AF 22
FR-4 Best effort class)		Y		0 (BE) BE























































LSP Ping –			
Lz Gircui	туре	Cisco.com	
R3#ping mpls p	seudowire <ipv4 addr="" ip="" peer=""> <vc id="">?</vc></ipv4>		
destination	Destination address or address range		
exp	EXP bits in mpls header		
interval	Send interval between requests in msec		
pad	Pad TLV pattern		
repeat	Repeat count		
reply	Reply mode		
size	Packet size		
source	Source specified as an IP address		
sweep	Sweep range of sizes		
timeout	Timeout in seconds		
ttl	Time to live		
verbose	verbose mode for ping output		
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