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DiffS	erv: Service	Clas	ses	
Service Class	Traffic characteristics	•	Tolerance	to
		Loss	Delay	Jitter
1. Network control	Variable size packets Mostly inelastic short messages, bursty (BGP)	Low	Low	Yes
2. OAM	Variable size packets, Elastic & inelastic flows	Low	Medium	Yes
3. Telephony	Variable size packets Constant emission rate Inelastic and low-rate flows	Very Iow	Very Iow	Very Low
4. Signalling	Variable size packets Short-lived flows	Low	Low	Yes
5. Multimedia Conferencing	Variable size packets Constant transmit interval Rate adaptive. reacts to loss	Low Medium	Very Low	Low
6. Real-time interactive	RTP/UDP streams, inelastic Mostly variable rate	Low	Very Low	Low
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Service Class	Traffic characteristics	Tolerance to		
		Loss	Delay	Jitter
7. Multimedia streaming	Variable size packets Elsatic with variable rate	Low Medium	Medium	Yes
8. Broadcast Video	Constant and variable rate Inelastic, non bursty traffic	Very Low	Medium	Low
9. Low latency data	Variable rate, bursty Short lived elastic flows	Low	Low Medium	Yes
10. High-throughput data	Variable rate, bursty, Long –lived flows	Low	Medium High	Yes
11. Standard	A bit of everything	Not specified		
12. Low priority data	Non real time and elastic	High	High	Yes

Service Class DSCP Name DSCP Value Application Examples			
Service Class	(reccomm)	(reccomm)	Application Examples
1. Network control	CS6	100000	Network Routing
2. OAM	CS2	010000	OAM
3. Telephony	EF	101110	IP Telephony Bearer
4. Signalling	CS5	101000	IP Telephony Signalling
5. Multimedia Conferencing	AF41 AF42 AF43	100010 100100 100110	H.323/V2 video conferencing (adaptive)
6. Real-time interactive	CS4	100000	Video Conferencing and Interactive gaming

	DiffServ: DSCP Values				
	Service Class	DSCP Name (reccomm)	DSCP Value (reccomm)	Application Examples	
	7. Multimedia streaming	AF31 AF32 AF33	011010 011100 011110	Streaming video and audio on-demand	
	8. Broadcast Video	CS3	010000	Broadcast TV and live events	
	9. Low-Latency Data	AF21 AF22 AF23	010010 010100 010110	Client-server transcations Web-based ordering	
	10. High- Throughput Data	AF11 AF12 AF13	001010 001100 001110	Store and forward applications	
	11. Standard	DF (CS)	000000	Undifferentiated applications	
	12. Low-Priority Data	CS1	001000	Any flow that has no BW assurance	
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