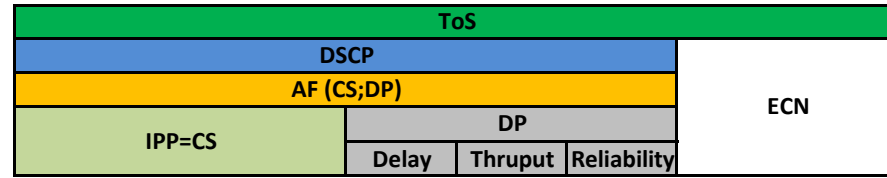# QoS Values Calculator v3

CoS = Class of Service
DSCP = Differentiated Services Code Point
ToS = Type of Service
AF = Assured Forwarding
IPP = IP Precedence
CS = Class Selector
DP = Drop Probability
ECN = Explicit Congestion Notification

ToS					
DSCP					ECN
AF (CS;DP)					
IPP=CS		DP			
		Delay	Thruput	Reliability	

	8th bit	7th bit	6th bit	5th bit	4th bit	3rd bit	2nd bit	1st bit
ToS	128	64	32	16	8	4	2	1
DSCP	32	16	8	4	2	1		
CoS=IPP	4	2	1					

Application	CoS=IPP	AF	DSCP	ToS	ToS HEX	DP	8th bit	7th bit	6th bit	5th bit	4th bit	3rd bit	2nd bit	1st bit
Best Effort	0	0	0	0	0		0	0	0	0	0	0	0	0
Scavanger	1	CS1	8	32	20		0	0	1	0	0	0	0	0
Bulk Data	1	AF11	10	40	28	Low	0	0	1	0	1	0	0	0
	1	AF12	12	48	30	Medium	0	0	1	1	0	0	0	0
	1	AF13	14	56	38	High	0	0	1	1	1	0	0	0
Network Mgmt.	2	CS2	16	64	40		0	1	0	0	0	0	0	0
Transaction Data	2	AF21	18	72	48	Low	0	1	0	0	1	0	0	0
	2	AF22	20	80	50	Medium	0	1	0	1	0	0	0	0
	2	AF23	22	88	58	High	0	1	0	1	1	0	0	0
Call Signaling	3	CS3	24	96	60		0	1	1	0	0	0	0	0
Mission-Critical	3	AF31	26	104	68	Low	0	1	1	0	1	0	0	0
Streaming Video	3	AF32	28	112	70	Medium	0	1	1	1	0	0	0	0
	3	AF33	30	120	78	High	0	1	1	1	1	0	0	0
	4	CS4	32	128	80		1	0	0	0	0	0	0	0
Interactive Video	4	AF41	34	136	88	Low	1	0	0	0	1	0	0	0
	4	AF42	36	144	90	Medium	1	0	0	1	0	0	0	0
	4	AF43	38	152	98	High	1	0	0	1	1	0	0	0
	5	CS5	40	160	A0		1	0	1	0	0	0	0	0
Voice	5	EF	46	184	B8		1	0	1	1	1	0	0	0
Routing	6	CS6	48	192	C0		1	1	0	0	0	0	0	0
	7	CS7	56	224	E0		1	1	1	0	0	0	0	0

Version:
v2 - ToS in HEX added
v3 - Applications description and DSCP 0 added

NetContractor