

IP PRECENCE (ToS) with CS or DSCP class selector value:

Name IIP	Decimal IIP value	Binary IIP value	CS (class selector or DSCP value) binary value	DSCP class / CS names
ROUTINE	PRECEDENCE 0	000	000000	CS0 (default)
PRIORITY	PRECEDENCE 1	001	001000	CS1
IMMEDIATE	PRECEDENCE 2	010	010000	CS2
FLASH	PRECEDENCE 3	011	011000	CS3
FLASH OVERRIDE	PRECEDENCE 4	100	100000	CS4
CRITICAL	PRECEDENCE 5	101	101000	CS5
INTERNETWORK CONTROL	PRECEDENCE 6	110	110000	CS6
NETWORK CONTROL	PRECEDENCE 7	111	111000	CS7

PHB and DSCP value:

PHB Assured Forwarding and DSCP value:

AFxy dove:

x = 4 valori di code

y = 3 valori di drop priorities

Queue Class	Low Drop probability	Medium Drop probability	High Drop probability
1	AF11	AF12	AF13
2	AF21	AF22	AF23
3	AF31	AF32	AF33
4	AF41	AF42	AF43

Convertire da AF name to decimal equivalent value, si usa una semplice formula:

$$8x + 2y = \text{decimal value}$$

Example with AF41

$$\text{Formula is: } (8 * 4) + (2 * 1) = 32 + 2 = 34$$

PHB Expedited Forwarding and DSCP value:

- Queue EF packets sono schedulati per dare loro LOW LATENCY
- Police the EF packets comporta un non consumo della intera bandwidth di un link

Value: EF 46 (binary value = 101110)

RFC .- Recommended value for Marking:

Type of Traffic	CoS	IPP	DSCP
Voice	5	5	EF
Video	4	4	AF41
Voice / Video signaling	3	3	CS3
Mission Critical data	3	3	AF31, AF32, AF33
Transactional data	2	2	AF21, AF22, AF23
Bulk data (massa di dati)	1	1	AF11, AF12, AF13
Best Effort	0	0	BE
Scavenger (meno del BE)	0	0	2, 4, 6