ICMP Control Messages

Type	Code	Status	Description
0 – Echo Reply	0		Echo reply (used to ping)
1 and 2		unassigned	Reserved
3 – Destination Unreachable	0		Destination network unreachable
	1		Destination host unreachable
	2		Destination protocol unreachable
	3		Destination port unreachable
	4		Fragmentation required, and DF flag set
	5		Source route failed
	6		Destination network unknown
	7		Destination host unknown
	8		Source host isolated
	9		Network administratively prohibited
	10		Host administratively prohibited
	11		Network unreachable for ToS
	12		Host unreachable for ToS
	13		Communication administratively prohibited
	14		Host Precedence Violation
	15		Precedence cutoff in effect
4 – Source Quench	0	deprecated	Source quench (congestion control)
5 – Redirect Message	0		Redirect Datagram for the Network
	1		Redirect Datagram for the Host
	2		Redirect Datagram for the ToS & network
	3		Redirect Datagram for the ToS & host
6		deprecated	Alternate Host Address
7		unassigned	Reserved
8 – Echo Request	0		Echo request (used to ping)
9 – Router Advertisement	0		Router Advertisement
10 – Router Solicitation	0		Router discovery/selection/solicitation
11 – Time Exceeded	0		TTL expired in transit
	1		Fragment reassembly time exceeded
12 – Parameter Problem: Bad IP header	0		Pointer indicates the error
	1		Missing a required option
	2		Bad length
13 – Timestamp	0		Timestamp
14 – Timestamp Reply	0		Timestamp reply
15 – Information Request	0	deprecated	Information Request
16 – Information Reply	0	deprecated	Information Reply
17 – Address Mask Request	0	deprecated	Address Mask Request
18 – Address Mask Reply	0	deprecated	Address Mask Reply
19		reserved	Reserved for security
20 through 29		reserved	Reserved for robustness experiment
30 – Traceroute	0	deprecated	Information Request
39		deprecated	SKIP Algorithm Discovery Protocol, Simple Key-Management for Internet Protocol
40			Photuris, Security failures
41		Experimental	ICMP for experimental mobility protocols such as Seamoby [RFC4065]
42 – Extended Echo Request	0		Request Extended Echo (XPing - see Extended Ping (Xping))
43 – Extended Echo Reply	0		No Error
	1		Malformed Query
	2		No Such Interface
	3		No Such Table Entry
	4		Multiple Interfaces Satisfy Query
44 through 252		unassigned	Reserved
253		Experimental	RFC3692-style Experiment 1
254		Experimental	RFC3692-style Experiment 2