ICMP

Bit Number

```
                    1 1   1 1 1 1  1 1 1 1  2 2 2 2  2 2 2 2  2 2 3 3
0 1 2 3  4 5 6 7  8 9 0 1  2 3 4 5  6 7 8 9  0 1 2 3  4 5 6 7  8 9 0 1
```

Type	Code	Checksum
Other message-specific information …		

Type	Name/Codes (Code = 0 unless otherwise specified)
0	Echo Reply
3	Destination Unreachable
	0 Net Unreachable
	1 Host Unreachable
	2 Protocol Unreachable
	3 Port Unreachable
	4 Fragmentation Needed& DF Set
	5 Source Route Failed
	6 Destination Network Unknown
	7 Destination Host Unknown
	8 Source Host Isolated
	9 Network Administrativel Prohibited
	10 Host Administrativel Prohibited
	11 Network Unreachable for TOS
	12 Host Unreachable for TOS
	13 Communication Administratively Prohibited
4	Source Quench
5	Redirect
	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
8	Echo
9	Router Advertisement
10	Router Selection
11	Time Exceeded
	0 Time to Live exceeded in Transit
	1 Fragment Reassemby Time Exceeded
12	Parameter Problem
	0 Pointer indicates the error
	1 Missing a Required Option
	2 Bad Length
13	Timestamp
14	Timestamp Reply
15	Information Request
16	Information Reply
17	Address Mask Request
18	Address Mask Reply
30	Traceroute

PING (Echo/Echo Reply)

Bit Number

```
                    1 1   1 1 1 1  1 1 1 1  2 2 2 2  2 2 2 2  2 2 3 3
0 1 2 3  4 5 6 7  8 9 0 1  2 3 4 5  6 7 8 9  0 1 2 3  4 5 6 7  8 9 0 1
```

Type (8 or 0)	Code (0)	Checksum
Identifier		Sequence Number
Other message-specific information …		