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Assigned Network Numbers

This note specifies the numbers assigned to identify networks for use in
the inter-network protocol experiments. Additional Numbers are assigned
by Jon Postel [POSTEL@ISIC or (415) 326-6200 x3718].

Assigned Network Numbers

Name	Decimal	Octal
BBNRCCnet	3	3
SanFranPRnet	7	7
ARPANET	10	12
BostonPRnet	11	13

Internetwork Header Format

  For convenience the current Internetwork protocol header and TCP
  headers are reproduced here:

  Octet Bit   Use (Width)

    --- Beginning of protocol-independent information ---

  0   Destination net (8)
  1-3   Destination host (24)
  4   Source net (8)
  5-7   Source host (24)
  8-9   Data length in octets (16)
  10   Header length in octets (8)
  11 0-3 Format (4)
     This field selects the appropriate gateway processing and is used
      to dispatch the packet to the appropriate protocol module in the
      destination. The following values are defined for this field:
0 -- Escape; protocol is specified by a subsequent field
1 -- TCP
2 -- Secure TCP
3-16 -- Not allocated
17 -- Cross internet debugging

    --- End of protocol-independent information

1

    --- Beginning of TCP specific information ---

    11   4-7Protocol version (4)
    12-15Sequence number (32)
    16-17Window (16)
    18-20Control (as before) (24)
    21-23Destination port (24)
    24Packet label for debugging(8)
    25-27Source port (24)
    28-31Acknowledgement number (32)
    32-33Checksum (16)
    34-Data

    --- End of TCP specific information ---

    --- Beginning of short TCP specific information ---

    11   4-7Protocol Version (4)
    12-25Sequence number (32)
    16Destination KID (8)
    17Source KID (8)
    18-19Control (no special function field)(16)
    20-Data

    --- End of short TCP specific information ---

2