

Network Working Group  
Request for Comments 717  
NIC 35873

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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

--- Beginning of TCP specific information ---

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

--- End of TCP specific information ---

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

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

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