

Network Working Group  
Request for Comments: 433  
NIC 13491  
Categories: Socket Numbers  
References: 349

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### Socket Number List

The czar of socket numbers [Jon Postel] has established the following assignments for socket numbers used for public functions. Note that a socket number is a 40 bit quantity, the first 8 bits being the host specification, the next 24 bits being site specific, and the last 8 bits being user specified - these last 8 bits are called the AEN [it stands for, cleverly enough, Another Eightbit Number].

For the assignments here the value in the host field ranges across all hosts (unless otherwise specified), the value in the 24 bit field is zero, and the AEN is indicated here.

#### General Assignments:

Sockets	Assignment
0 - 63	Network Wide Standard Functions
64 - 127	Host Specific Functions
128 - 239	Reserved for Future Use
240 - 255	Any Experimental Function

#### Particular Assignments:

Socket	Assignment
1	Telnet
3	File Transfer
5	Remote Job Entry
7	Echo
9	Discard
19	Character Generator [e.g. TTYTST]
65	Speech Data Base @ ll-tx-2 (74)
67	Datacomputer @ cca (31)
241	NCP Measurement
243	Survey Measurement
245	LINK

The specifications for the assigned functions can be found in the documents listed here:

Telnet	<a href="#">RFC 318</a>
File Transfer	<a href="#">RFC 354</a> & <a href="#">RFC 385</a>
Remote Job Entry	<a href="#">RFC 407</a>
Echo	<a href="#">RFC 347</a>
Discard	<a href="#">RFC 348</a>
Character Generator	<a href="#">RFC 429</a>
Speech Data Base	SUR 37
Datacomputer	[Murray @ CCA]
NCP Measurment	<a href="#">RFC 388</a>
Survey Data	[Kampe @ NMC]
LINK	[Bressler @ BBN]

It has come to our attention that there are several hosts performing useful public services on sockets which conflict with the above scheme. We hope we can resolve this problem with a minimum of disruption.

The following is a tabulation of socket numbers together with the services offered. This listing is presented as an aid to network users. If you know of a socket/function which has been left out or an entry which should be corrected or deleted please contact:

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NIC Ident = JBP

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We will be pleased to include socket/function information for other than "official" sockets [e.g Tip News].

- 1 UCLA-NMC
  - 1 Telnet
  - 241 NCP Measurement
  - 243 Survey Data
- 2 SRI-ARC
  - 1 Telnet
  - 3 File Transfer
  - 5 Echo
  - 7 CPYNET
  - 9 SYSTAT
  - 13 DATE-TIME
- 3 UCSB
  - 1 Telnet
  - 5 UCSB RJS [not ARPANET standard]
  - 7 Echo
  - 9 Discard
- 4 UTAH
  - 1 Telnet
  - 3 File Transfer
  - 5 Echo
  - 7 CPYNET
  - 9 SYSTAT
  - 13 DATE-TIME
- 5 NCC
- 6 MIT-Multics
  - 1 Telnet
- 9 Harvard
  - 1 Telnet
  - 3 Sorry File Transfer
- 10 LL-67
  - 1 Telnet
- 11 SAIL
  - 1 Telnet
  - 3 File Transfer
- 12 ILL-ANTS
- 13 CASE
  - 1 Telnet
  - 3 File Transfer
  - 5 Echo
  - 7 CPYNET
  - 9 SYSTAT
  - 13 DATE-TIME
- 14 CMU
  - 1 Telnet
  - 3 File Transfer
- 15 ILLIAC-TENEX
  - 1 Telnet
  - 3 File Transfer

```
5    Echo
7    CPYNET
9    SYSTAT
13   DATE-TIME
16   NASA-AMES
    1    Telnet
    3    File Transfer
    5    Sorry Remote Job Entry
    7    Echo
    9    Discard
    241  NCP Measurement
23   USC-44
31   CCA-TENEX
    1    Telnet
    3    File Transfer
    5    Echo
    9    SYSTAT
    11   NETSTAT
35   UCSD
    1    Telnet
65   UCLA-CCN
    1    Telnet
    7    Echo
    9    Discard
    11   NETPJS [EBCDIC]
    13   NETRJS [ASCII]
    15   NETRJS [TTY]
66   SRI-AI
    1    Telnet
    3    DATE-TIME
    5    Echo
    7    CPYNET
    9    SYSTAT
    11   Sorry NETSTAT
69   BBN-TENEX (a)
    1    Telnet
    3    File Transfer
    5    Echo
    7    CPYNET
    9    SYSTAT
    13   DATE-TIME
    15   NETSTAT
    17   Oneliners
    3604505 = x'370019' = o'15600031'    TIP News
70   MIT-DMCG
    1    Telnet
    3    File Transfer
    7    Network Status
    9    Discard
74   LL-TX-2
    1    Telnet
```

```
78  CMU-alt
    1  Telnet
    3  File Transfer
86  ISI-TENEX
    1  Telnet
    3  File Transfer
    5  Echo
    7  CPYNET
    9  SYSTAT
   13  DATE-TIME
133 BBN-TENEXB
    1  Telnet
    3  File Transfer
    5  Echo
    7  CPYNET
    9  SYSTAT
   13  DATE-TIME
   15  NETSTAT
   17  Oneliners
134 MIT-AI
    1  Telnet
    3  File Transfer
198 MIT-Mathlab
    1  Telnet
    3  File Transfer
```

Following hosts not tested

```
7  RAND
8  SDC-ADEPT
19 NBS-ANTS
138 LL-TSP
```

[ This RFC was put into machine readable form for entry ]  
[ into the online RFC archives by James Carlson 11/98 ]