Network Working Group
Request for Comments: 669
NIC: 31435

D.W. Dodds
BBN-TENEXA

December 4, 1974

November, 1974, Survey of New-Protocol TELNET Servers

Two months have elapsed since our last survey, and the appearance of additional New-Protocol servers has progressed at the usual snail's pace. The changes in this list are (with host numbers in octal):

SRI-AI (102) now has a New-Protocol server;
SDC-LAB (10) is back on the net and the list;
SDC-CC (110) is coming on the net but status is as yet unknown;
USC-ISI (126) and USC-ISIB (226) (formerly ISI-DEVTENEX) now have New-Protocol servers;
SDAC-44 (32) has been removed -- no longer classed as a server host;
HAWAII-500 (344) is coming on the net, status presently unknown;
LONDON (52) has been added;
BBN-TENEXD is now host 162 (formerly 205).

What follows is an update of the summary and tabulation that appeared in RFC #702.* Is there light at the end of the tunnel?

total server hosts	37	100%
no New-Prot server	19	51%
unknown status (new host)	2	6%
total New-Prot implem.	16	43%
New-Prot on socket 27, Old on socket 1 (2)	9	24%
New-Prot on 1 and 27 (3)	6	16%
New-Prot on 1 only (3)	1	3%

Notes:

* All data in this report were gathered via a surveying program run at various times, plus a few manual checks to fill out the data. What is reported here is the way the various servers work as seen by the new-Protocol User Telnet at BBNA, as of 4 Dec. 1974.

(2) These are the sites whose operation is 100% correct according to all protocols and conventions, as I understand them.

(3) We realize that some of the servers that appear here as New-Protocol servers on socket 1 are actually servers which attempt to communicate with both Old- and New-Protocol User TELNETs according to what control sequences are received.

Tabulation of server status for all server sites:

Host No.	Host Name	Socket 1	Socket 27	New-Prot, Options Implementation (if any)
101	UCLA-CCN	Old	X	
201	UCLA-CCBS	Old	X	
2	SRI-ARC	Old	X	
102	SRI-AI	Old	New	I1,3,6; O3
3	UCSB-MOD75	Old	X	
4	UTAH-10	Old	X	
105	BBN-TENEX	Old	New	I1,3,6; O3
305	BBN-TENEXA	Old	New	I1,3,6; O3
106	MIT-DMS	New	New	I1,3; O3
206	MIT-AI	Old	X	
306	MIT-ML	Old	X	
7	RAND-RCC	Old	X	
10	SDC-LAB	Old	X	
110	SDC-CC	?	?	
11	HARV-10	New	X	I1,3; O3
12	LL-67	Old*	X	
112	LL-TX-2	Old	X	
13	SU-AI	New*	New*	I1,3
15	CASE-10	Old	X	
16	CMU-10B	New	New	I1,3; O3
116	CMU-10A	New	New	I1,3; O3
17	I4-TENEX	Old	X	
217	KI4B-TENEX	Old	X	
20	AMES-67	New	New	None
126	USC-ISI	Old	New	I1,3,6; O3
226	USC-ISIB	Old	New	I1,3,6; O3
27	USC-44	Old	X	
327	USC-ECL	Old	X	
37	CCA-TENEX	Old	X	
40	PARC-MAXC	Old	New	I1,3,6; O3
43	UCSD-CC	Old	New	I0(!),3; O0,3
344	HAWAII-500	?	?	
52	LONDON	Old*	X	
53	OFFICE-1	Old	X	
54	MIT-MULTICS	New	New	None
61	BBN-TENEXB	Old	New	I1,3,6; O3
162	BBN-TENEXD	Old	New	I1,3,6; O3

```
Key:    X  No server at this socket
        ?  Status not ascertained -- unable to connect to host
        I# Option # implemented incoming to user (Server says "Will #")
        O# Option # implemented outgoing from user (Server says "Do #")
           (# is option number in new Protocol. All options implemented
            by anyone are:
                0    Transmit-Binary
                1    Echo
                3    Suppress-Go-Ahead
                6    Timing-Mark )
```

Note: * These servers return improper responses to some TELNET option requests.