Network Working Group
RFC # 702

D.W. Dodds
BBN-TENEXA
September 25, 1974

SEPTEMBER, 1974, SURVEY OF NEW-PROTOCOL TELNET SERVERS

LAST MONTH'S SURVEY PRODUCED A GRATIFYING AMOUNT OF FEEDBACK CLARIFYING THE STATUS OF SEVERAL SITES; HOWEVER THERE HAVE BEEN VERY FEW CHANGES IN THE STATUS OF HOST SERVERS. THE CHANGES IN THIS MONTH'S LIST, IN NUMERICAL ORDER (HOST NUMBER THROUGHOUT ARE OCTAL):

UCLA-NMC IS NO LONGER A SERVER;
HOST 205 IS NOW BBN-TENEXD, A NEW SYSTEM (BBNB) IS NOW HOST 61;
RAND-RCC WAS ACCIDENTALLY OMITTED FROM THE PREVIOUS LIST;
SDC-LAB HAS BEEN TEMPORARILY ELIMINATED FROM THE LIST UNTIL IT RETURNS TO THE NET;
I4-TENEXA (117) IS NOT A SERVER--KI4B-TENEX (217) IS, AND HAS BEEN ADDED TO THE LIST;
AMES-67 FIXED A BUG, REVEALING TO THE WORLD THE NEW-PROTOCOL SERVER (NO OPTIONS) THAT WAS THERE ALL ALONG;
ISI-DEVTENEX (226) AND USC-ECL (327) HAVE BEEN ADDED.

WHAT FOLLOWS IS AN UPDATE OF THE SUMMARY AND TABULATION THAT APPEARED LAST MONTH.* THERE IS STILL A LONG WAY TO GO TO 100% NEW-PROTOCOL IMPLEMENTATION.

TOTAL SERVER HOSTS	34	100%
NO NEW-PROT SERVER	21	62%
TOTAL NEW-PROT IMPLEM.	13	38%
NEW-PROT ON SOCKET 27, OLD ON SOCKET 1 (2)	6	18%
NEW-PROT ON 1 AND 27 (3)	6	18%
NEW-PROT ON 1 ONLY	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 23 SEPT. 1974.
(2) THESE ARE THE SITES WHOSE OPERATION IS 100% CORRECT ACCORDING TO ALL PROTOCOL 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 IMPLETMENTED(IF ANY)
101	UCLA-CCN	OLD	X	
201	UCLA-CCBS	OLD	X	
2	SRI-ARC	OLD	X	
102	SRI-AI	OLD	X	
3	UCSB-MOD75	OLD	X	
4	UTAH-10	OLD	X	
105	BBN-TENEX	OLD	NEW	I1, 3, 6; O3
205	BBN TENEXD	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	
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	X	
226	ISI-DEVTENEX	OLD	X	
27	USC-44	OLD	X	
327	USC-ECL	OLD	X	
32	SDAC-44	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
53	OFFICE-1	OLD	X	
54	MIT-MULTICS	NEW	NEW	NONE
61	BBN-TENEXB	OLD	NEW	I1, 3, 6; O3

KEY TO SERVER STATUS TABLE:

X NO SERVER AT THIS SOCKET

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: * THERE APPEARS TO BE A MINOR BUG IN SU-AI'S SERVER: IT SEEMS TO SEND AN IMPROPER RESPONSE TO A REQUEST FOR OPTION 0.