Network Timetable

1 (n10) network checkout

2 Installation of communication gear 8/1/69
   2a From AT&T and/or BBN need dimensional, power and cabling specifications
   2b Need to establish SRI desired alternate locations so as to determine maximum telco cable lengths
   2c Need to establish location and drops on voice coordination circuits
   2d Need circuit information on voice drops for tie to intercom system
   2e Need to order and install a.c. power (coordinate with 4b)
   2f See 16

3 Design and construct host-Imp interface 9/1/69
   3a Need specifications from BBN
   3b Develop trial design
   3c Review with system programmers
   3d Establish final design
   3e Build and design hardware
   3f Debug trial software with hardware loop test

4 Imp installation 9/15/69
   4a From BBN get dimensional, power and cabling specifications
   4b SRI orders and installs a.c. power (coordinate with 2e)
5 Debug host-Imp interface 10/1/69
   5a Get debug specifications and procedures from BBN
   5b Write programs to debug with BBN
      5b1 Transfers of test messages
      5b2 Test procedures for crash and recovery
      5b3 Check message fill and stripping procedures
   5c Try own transfer tests
      5c1 Verify transfers to Imp
      5c2 Verify transfers from Imp
      5c3 Verify transfers looped with Imp
   5d Work out Imp reload and restart procedures

6 Test messages between UCLA-SRI 10/15/69
   6a Network configuration
      SRI
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      |
      |
      |
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      |
      |
      |
      |
      UCLA

   6b Agree with UCLA on nature of test messages
      6b1 Formats
      6b2 Sequences
      6b3 Checks
      6b4 Test procedures
      6b5 Fault reporting
6c Test integrity of messages
6d Test sequence of delivery
6e Measure delays
6f Loop with UCLA
6g System response to invalid and abnormal conditions
6h Lose and restore facilities
   6h1 Communication link
   6h2 Imps
   6h3 Hosts
6i Develop net trouble reporting scheme
7 Test messages between UCSB-SRI 11/15/69
7a Network configuration

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SRI .
   .
   .
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UCLA    UCSB
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7b All of 6
7c Load network for alternate routing to be effective
7d Develop voice coordination scheme
   7d1 Three way conference
   7d2 Design and build conference gear
   7d3 Deliver conference gear to UCLA and UCSB
7e Route messages around ring
   7e1 Via Imps

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7e2 Via hosts

7e3 Six tests
   7e3a UCLA-I, UCSB-I
   7e3b UCLA-H, UCSB-I
   7e3c UCLA-H, UCSB-H
   7e3d UCSB-I, UCLA-I
   7e3e UCSB-H, UCLA-I
   7e3f UCSB-H, UCLA-H

8 Test messges between UTAH-SRI 12/15/69

8a Network configuration

   SRI .---------------- UTAH
        | .               |
        |     .          |
        |       .       |
        |         .     |
        |           .   |
        |             . |
   UCLA-----------------UCSB

8b Selected group of previous test
   8b1 All of 6
   8b2 7b

8c Expand voice coordination scheme
   8c1 UTAH has access to UCLA and UCSB via SRI
   8c2 with BBN and ARPA

9 Run simple TTY systems
   9a Single user access
9a1 On a serving host
   9a1a A to B

9a2 From a using host
   9a2a A to B

9b Multiple user access
   9b1 On a serving host
      9b1a A,C to B

   9b2 From a using host
      9b2a A,A to B

   9b3 Various combinations

9c Login, logout, in and out of subsystems

9d Handling of error messages, crashes, recoveries

9e Establish message formats

9f Establish protocols

9g File storage and retrieval

9h Need user’s guides for each site

9i Need to establish usage schedules

9j Need to set user names

9k Design and build comm exec or its equivalent

10 Run simple typewriter systems
   10a Same as 9c - 9g

   10b How define when in half or full duplex mode

   10c How to set "break" characters

11 Run arbitrary terminals without local feedback
12 Run arbitrary terminals
13 Move files
14 Develop debugging techniques
   14a Fault detection
      14a1 Conformance to manual
      14a2 "Reasonableness" of result
      14a3 Comparison with alternate form of use
   14b Cause localization
      14b1 Comm-Imp complex
      14b2 Serving host
      14b3 Using host
      14b3 Try other programs
      14b5 Monitor subsystem via "link" procedures, where possible
         14b5a Use dialup Dataphone
         14b5b Use voice coordination channel
      14b6 Move canned messages
   14c Cause determination
   14d Cause correction

[ This RFC was put into machine readable form for entry ]
[ into the online RFC archives by David Capshaw 11/97 ]