                    Proffered Set of Standard Host Names

    In RFC #226, BBN's TENEX list of Host names was set up as a strawman
    set of standard Host names. Comments received since then (an RFC
    actually generated comments!!!) have influenced me to propose the
    following general rules for forming Host names.

    The Host names will be 8 characters in length. The general form is

                    <site> '-' <machine>

    <site> will be at most 4 characters, formed as follows:

        (a) Use the keyword in the site name, if not more than
             four characters, e.g., NASA Ames, Case Western
             Reserve.   ---- ----

        (b) Use the standard acronym, if not more than four
             characters, e.g., UCLA, RADC, NBS.

        (c) If a standard abbreviation exists, use it, e.g., Ill.

        (d) If none of the above apply, use the first four letters
             in the site name, e.g., Burr, Mitr, Harv.

        (e) If none of the above is acceptable to the site, the
             technical liaison should select the site mnemonic.

    <machine> will be at most 4 characters of the form <mfg. #>
    <designator>.
    Examples of mfg. # are:

            IBM 360   2 digit model number
            IBM 370   3 digit model number
            PDP   1 - 2 digit model number
            Burroughs   4 digits
            CDC   4 digits
            etc.

<designator> will be used when more than one machine of the same type is located at a site (e.g., 2 PDP-10s at MIT, at SRI, and at BBN).

Limiting <machine> to 4 characters does not permit distinctions to be made between machines with 4 digit mfg. #s. I expect the situation will be handled in an ad hoc manner by the NIC if it arises.

TIPs are identified as 'TIP' rather than by '316'. If a Host is not to be permanently addressable, the machine is identified as 'TEST'.

A list of Host names, formed according to these rules, is attached. Alternate Host names should be provided, as suggested by Jon Postel (RFC #236). RFC's 206, 233, and 236 present lists with 4-character alternate names. The Technical Liaison should select the alternate name for his site and communicate the selection to the NIC.

The preceding rules and the attached list of Host names are subject to the approval of the NWG. Hereafter, the list will be generated and maintained by the NIC in cooperation with the Technical Liaison at each site, as suggested in RFC #237. Comments should be addressed to Dick Watson.

[This RFC was put into machine readable form for entry]

[into the online RFC archives by BBN Corp. under the]

[direction of Alex McKenzie.   12/96]

```
         NETWORK ADDRESS                 STANDARD NAME
         ---------------                 -------------
               1                         UCLA-7
              65                         UCLA-91
               2                         SRI-10NI
              66                         SRI-10AI
               3                         UCSB-75
               4                         UTAH-10
               5                         BBN-516
              69                         BBN-10A
             133                         BBN-10B
               6                         MIT-645
              70                         MIT-10DM
             134                         MIT-10AI
               7                         RAND-65
              71                         RAND-10
               8                         SDC-75
               9                         HARV-10
              73                         HARV-1
             137                         HARV-11
              10                         LL-67
              74                         LL-TX2
             138                         LL-TSP
              11                         SAIL-10
              12                         ILL-11
              76                         ILL-6500
              13                         CASE-10
              14                         CMU-10
              15                         BURR-6500
              79                         BURR-TEST
              16                         AMES-67
             144                         AMES-TIP
             145                         MITR-TIP
              18                         RADC-645
             146                         RADC-TIP
              19                         NBS-11
             147                         NBS-TIP
             148                         ETAC-TIP
              21                         TINK-418
              22                         MCCL-418
              23                         USC-44
             151                         USC-TIP
             152                         GWC-TIP
              25                         NCAR-7600
             153                         NCAR-TIP
             158                         BBNX-TEST
```

                  An Implementation Scheme

If the standard Host names are formed according to the proposed
rules, the following implementation scheme, suggested by Steve
Crocker, can be used.

        Map <site> into an 8-bit number, S and
        map <machine> into an 8-bit number, M,
        where
                  S + M = Network Address.

        S and M can be selected such that specification of <site>
        alone could cause a default to the "primary" Host at
        the site. Note that this scheme depends on a unique
        <site> designator for each IMP.

Some examples:

If the "primary" Host at UCLA is the 91, let
        UCLA -> S = X'41'
           7 -> M = X'40'
          91 -> M = X'00'
then for
        UCLA-7, S + M = X'01' = 1 base 10
        UCLA-91,S + M = X'41' = 65 base 10

and
        UCLA alone = X'41' = 65 base 10

If the primary Host at BBN is TENEX System A, let
        BBN -> S = X'45'
        516 -> M = X'40'
        10A -> M = X'00'
        10B -> M = X'C0'
then for
        BBN-516, S + M = X'05' = 5 base 10
        BBN-10A, S + M = X'45' = 69 base 10
        BBN-10B, S + M = X'85' = 133 base 10

and
        BBN alone = X'45' = 69 base 10

The primary Host for each IMP would be designated by the
site and such information disseminated by the NIC.