

Host-Host Control Message Formats

NWG/RFC 11 has been modified at UCLA; and will be republished. In the meantime, it seems important to report a new control message format which does not use 7-bit ASCII character mode of transmission.

All Host-Host control messages consist of sequences of 8-bit bytes of the form:

<control byte> <parameter byte 1> ... <parameter byte n>

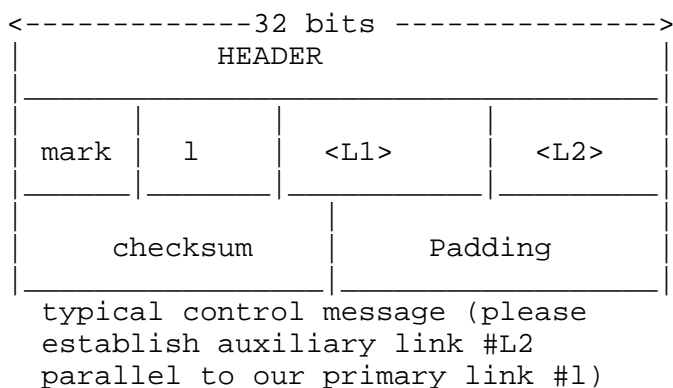
It is reasonable to transmit more than one control message in any given packet, although this is not mandatory.

Presently, 9 control messages have been defined by UCLA; these are given in the table below along with their parameters. The interpretation is given from the point of view of the transmitting host. ("L" or "Li" mean Link#, and are binary values.)

| Control byte | Parameter | Interpretation |
|--------------|-----------|---|
| <0> | <L> | Please establish primary connection; our output link # is L |
| <1> | <L,> <L2> | Please establish auxiliary connection parallel to our primary output link L. The auxiliary output link is L2. |
| <2> | <L1> <L2> | DK primary. Your primary output link to us was L; our primary output link to you is L2. |
| <3> | <L1> <L2> | OK auxiliary. Your auxiliary output link is Li, our auxiliary output link is L2. |
| <4> | <L> | Not OK primary. We cannot establish a primary connection. Your primary output link number was L. |
| <5> | <L2> | Not OK auxiliary. We cannot establish an auxiliary connection. Your primary output link no was L2. |

| | | |
|-----|-----|---|
| <6> | <L> | Please stop transmitting over link number L. This is called the CEASE directive. |
| <7> | <L> | We are CLOSING our output link number L. You may get this message before the last message arrives over this link since control messages are higher priority than regular data messages. |
| <8> | <L> | UNCEASE: that is, you may resume transmitting over output link number L. |

Each control message is embedded in the appropriate message structure e.g.:



The header for all HOST-HOST control messages is given below:

| | | | | | | | | | | |
|-------|---|------|---|---|------|----|----------|-------|----------------------|----|
| 0 | 3 | 4 | 7 | 8 | 9 | 10 | 14 | LINK# | 24 | 31 |
| <hr/> | | | | | | | | | | |
| FLAGS | | TYPE | | H | SITE | | 00000001 | | //////////////////// | |
| | | | | | | | | | //////////////////// | |

where FLAGS - 0000
 TYPE - 0000 (regular message)
 H - host #(0-3) at SITE (usually 0 for single HOST sites)
 SITE - Site #
 LINK# - 00000001 (HOST-HOST control link)

[This RFC was put into machine readable form for entry]
 [into the online RFC archives by Alison De La Cruz 12/00]

