Network Working Group
Request for Comments: 22

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October 17, 1969

# 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 l> ... <parameter byte n>

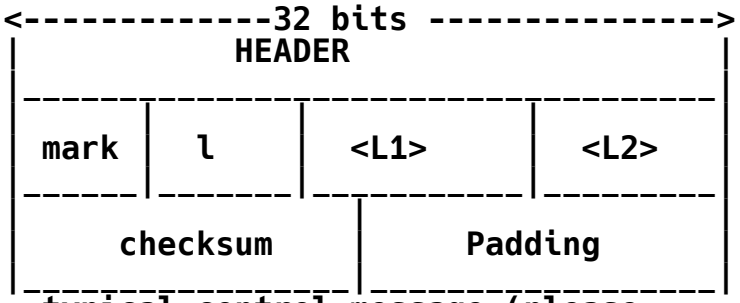
It is reasonable to transmit more than one control message in any given packet, although this is not mandatory.

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> | <Li> <L2> | Not OK auxiliary. We cannot establish an auxiliary connection. Your primary output link no was L2. |

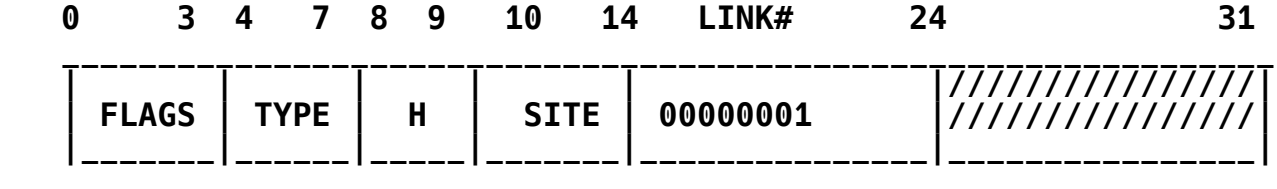
| | | |
|---|---|---|
| <6> | <L> | Please stop transmitting over link number L. This is called the CEASE directive. |
| <7> | <L> | We are CLOSING our output link number L. You may get this message before the last message arrives over this link since control messages are higher priority than regular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




typical control message (please establish auxiliary link #L2 parallel to our primary link #l)

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




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)

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