

Postel

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### Initial Connection Protocol Control Commands

The following is my interpretation of the exchange between NCP's which would be necessary to carry out the Initial Connection Protocol of RFC #123. (This note corrects an error pointed out by Eric Harslem of RAND)

#### Server NCP

Listen for Connection on L

STR, L, U, 32

Send 32 bits of data  
in 1 message on link  $l_A$

(value is S)

CLS, L, U  
STR, S+1, (U+1),  $B_S$

RTS, S, U+1,  $l_B$

wait for connection

ALL,  $l_B$ ,  $m_B$ ,  $b_B$

data sent on link  $l_C$

data received on link  $l_B$

#### User NCP

RTS, U, L,  $l_A$

ALL,  $l_A$ , 1, 32

Receive 32 bits of data  
from link  $l_A$  (value is S)

CLS, U, L

STR, U+1, S,  $B_U$

RTS, U, S+1,  $l_C$

wait for connection

ALL,  $l_C$ ,  $m_C$ ,  $b_C$

data sent on link  $l_B$

data received on link  $l_C$

$l_A$ ,  $l_B$ , and  $l_C$  are links,  $m_B$  and  $m_C$  are message allocations,  $b_B$  and  $b_C$  are bit allocations, and all other symbols are as defined in RFC #123.