Postel

Network Working Group
Request for Comments #145
NIC #6739
Category: D.1
Updates: #123
Obsoletes: #127

J. Postel
4 May 1971
UCLA - NMC
Computer Science

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	User NCP
Listen for Connection on L	RTS, U, L, ℓ_A
STR, L, U, 32	ALL, ℓ_A, 1, 32
Send 32 bits of data in 1 message on link ℓ_A (value is S)	Receive 32 bits of data from link ℓ_A (value is S)
CLS, L, U	CLS, U, L
STR, S+1, U+1, B_s	STR, U+1, S, B_u
RTS, S, U+1, ℓ_B	RTS, U, S+1, ℓ_c
wait for connection	wait for connection
ALL, ℓ_B, m_B, b_B	ALL, ℓ_c, m_c, b_c
data sent on link ℓ_c	data sent on link ℓ_B
data received 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.