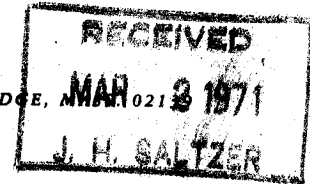


INTERDEPARTMENTAL

MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAMBRIDGE, MASS.



from the office of Telecommunications

March 1, 1971

To: W. Burner

Subject: M.I.T. Data Switch

This confirms our meeting of February 25th, in that I have placed an order with the telephone company to change the number of ports on "8" into MULTICS from 64 to 60. The four released ports will be utilized for direct access paths from persons calling into MULTICS (using 134.5 bps speed terminals) from locations not on the M.I.T. data switch by dialing a Cambridge telephone number. The number will be 661-1250. The order is scheduled for completion by March 15th. In other words, after the remaining Tuck Electronics data sets are installed, the telephone company will install 4 direct lines into MULTICS, and change "8" from 64 to 60. The attached will, therefore, be the number of ports and their number assignments on the M.I.T. data switch after March 15th.

As I mentioned, the M.I.T. CENTREX system is scheduled for August 12, 1972. CENTREX numbers (25) 8-6000 to 8999 will be used for data ports and terminals, whereas (25) 3-1001 to 8999 and (25) 8-1001 to 4999 will be respectively used for M.I.T. (voice) and M.I.T.-Draper Laboratory (voice/data) needs. In lieu of single-digit or four-digit access codes for data ports, five digit (8-xxxx) coding will be used for data ports; and data terminals. In so doing, port groups can be as large as 512 in number; and, a terminal user will search the entire group when he dials the lead numbers. If you recall, the current data switch only allows a search over 10 ports even if a group contains a quantity greater than 10. Further, the groups will be arranged in the following manner (which is only an example):

(25) 8-6001
-6002
-6003

-6028
-6029
-6030

} Available to callers from off the M.I.T. network by a direct-inward dialed call

} Available to callers from on the M.I.T. network

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Based on our discussions, I plan to schedule the following number of ports (in August '72):

CTSS	-	0
CP/CMS	-	60
MULTICS	-	160
360/65	-	<u>30</u>
		250

In each of the above groups, all ports will be available to terminal users on the M.I.T. network, with the bottom 10% of each group available to off-network callers.

Should you wish to discuss this further, please advise.


M. Berlan

xc: R. Scott
M. Jones
J. Saltzer ✓
L. Ryan
R. Conrod
C. Garman
T. VanVleck
A. Morrice

Attachment

ew

M.I.T. DATA SWITCH

PORT ACCESS NUMBERS AND QUANTITIES

<u>System</u>	<u>Port Access Tele. No.</u>	<u>No. Ports</u>	<u>Speed</u>	
CTSS (IBM 7094)	0	20	134.5	
	1611-1614	4	110	
	1371-1378	<u>8</u>	150	
		<u>32</u>		
CP/CMS (IBM 360/67)	5	30	134.5	
	4	<u>8</u>	110	
		<u>38</u>		
MULTICS (GE/HIS 645)	7	10	150	
	8	60	134.5	
	9	20	110	
	1638-9	}	10	134.5 or 150
	1386-7			
	1121, 1281			
	1111-2, 1385			
	1637			
	491-2200 *	4	110	
	661-1250 *	<u>4</u>	134.5	
	Sub-total	<u>108</u>		
	Grand Total	<u>178</u>		

* Cambridge telephone number.

Above effective on or about 3/15/71