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admin *Poljan*

INTERDEPARTMENTAL

MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAMBRIDGE, MASS. 02139

from the office of Information Processing Center

December 23, 1970

To: Multics Distribution

Re: TTY grade computer ports vs systems capacity

The Center's plans for increased computer ports to keep pace with planned systems improvements are geared to providing sufficient communication lines to accommodate ninety simultaneous users by December, 1971. This will be accomplished by upgrading the number of TTY speed adapter modules within the G10C and increasing the number of data sets available.

At present there are three teletype adapters on the Service machine allowing up to sixty-four lines at 133 baud and up to twenty-four lines at 150 baud. Honeywell is now in final checkout on a twenty-four line 110 baud adapter which should be installed on the Service by January fifteenth. This will then bring our adapter and channel complement up to contract status.

In addition, we have made our intentions known to HISI that we would like a 300 baud capacity as well. Final prices and delivery dates on a sixteen line adapter for both the Service and Development system have not yet been received but delivery has been requested for April, 1971.

In the dataset area we have ordered three Tuck "103E type" cabinets initially configured with 100 modules; total capacity is 120. These cabinets are three of five which have been ordered, the other two of which will be used on the 360/67 and 7094 systems. Delivery of the first cabinet will be in late January so installation of the Multics sets will probably be in middle to late February.

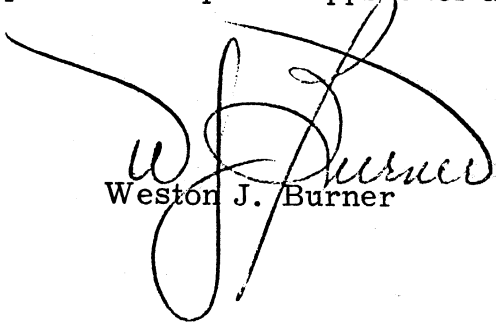
Upon delivery and installation of the Tuck equipment, the following would be a reasonable distribution of lines. This would be at 2/28/71.

<u>Baud Rate</u>	<u>Service G10C Channels</u>	<u>Tuck Datasets</u>	<u>Dialup Level Code</u>
110	24	24	9
133	64	64	8
150	24	12	7

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There is a slight overcapacity on the 150 baud connections but it is not worth adjusting at this time. The minimum adapter capacity at any of these speeds is eight lines and until the 300 baud adapter is available, many devices other than Model 37 teletypes need this capability.

At the present time there are no other adapters than the 300 baud item on order or scheduled for delivery. The Tuck equipment can be expanded on short notice to one hundred twenty lines, which then should provide adequate support for ninety users.



Weston J. Burner

WJB/p

cc: M. Berlan