June 9, 1959

FILE MEMO

SUBJECT:       Present Definition of the Low Speed Exchange


Up to the present time the 7030 Low Speed Channel attachment to the Basic Exchange has been defined as follows.

| | | |
|---|---|---|
| (a) | Maximum data rate to Basic Exchange | 120 us/8bit bytes |
| (b) | Maximum data rate from each unit | 8 ms/8bit bytes |
| | (This is equivalent to 125 characters per second) | |
| (c) | Maximum number of Low Speed units | 64 |

With the availability of units having slightly greater data rates than provided and the improvement of line speed data transmission facilities the following definitions are proposed.

| | | |
|---|---|---|
| (a) | Maximum data rate to the Basic Exchange | 120 us/8bit byte |
| (b) | Maximum data rate from each unit | 4 ms/8bit byte |
| | (This is equivalent to 250 characters per second) | |
| (c) | Maximum number of units per Low Speed Channel | 32 |
| (d) | Maximum number of Low Speed Channels which can be attached to Basic Exchange | 2 |
| (e) | Minimum number of Unit Channel per Low Speed Channel | 16 |
| (f) | # of Unit channel per group for later addition | 16 |
| (g) | # of additional groups attachable to a Low Speed Channel | 1 |

Any comments on the above will be appreciated.


EWC:jcj

cc:      Dr. H. G. Kolsky
         Dr. W. Buchholz
         Mr. S. W. Dunwell
         Mr. D. W. Pendery
         Mr. D. W. Sweeney
         Mr. R. E. Merwin
         Mr. H. K. Wild
         Mr. R. P. Fletcher
         Mr. J. D. Calvert
         7030 Product Planning
         7030 Engineering Planning

E. W. Coffin
Planning Representative
Project 7030