TO: Distribution

FROM: R. B. Snyder

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SUBJECT: TTYDIM Changes

Some changes to the ttydim are being installed in a system with
the expected designation 20-12. These changes are being made to
get rid of the TTY config card. Currently,   the   service
configuration deck consists of about 45 config cards of which
about 15 are TTY cards. The TTY card is used only to provide a
correspondence between a given LSLA/HSLA number, subchannel
number on the DataNet-355 and a tty channel name. These names are
referenced by the answering service in the   "lines"   file
primarily. To shrink the configuration deck by about 33%, the TTY
card is being done away with and the tty channel names will be
derived from the LSLA/HSLA number, subchannel number information.

The tty channel names will be of the form:

        TTYxnn

where nn is either an LSLA subchannel number (starting with 00)
or an HSLA subchannel number (starting with 00). The "x"
component of the name will contain the LSLA/HSLA number and the
355 number (up to 3 355's may currently be configured to
Multics).

Since a 355 may have up to 6 LSLAs and 3 HSLAs, the value for x
will be 0 to 5 for the LSLAs and 6 to 8 for the HSLAs on 355
number 0. On 355 number 1, the value for x will be the letter A
thru F for the 6 LSLAs and G thru I for the 3 HSLAs. For 355
number 2, the letters J thru O will be used for the 6 LSLAs and
the letters P thru R for the 3 HSLAs.

For example, if the configuration deck consisted of the following
cards:
        LSLA A 0 1 150. 2
        LSLA A 1 1 133. 2
        HSLA A 0 10 1200. 1
        HSLA B 1 0 1200. 2
        D355 A 0 21
        D355 B 4 22
the lines file would consist of the following tty names:

        tty000, tty001, tty100, tty101, tty600, ttyG01, ttyG02