

A. PURPOSE:

TO INSTALL A TRAP FEATURE ON THE 7289 PARALLEL DRUM CHANNEL.

B. DESCRIPTION:

THE 7289 TRAP WILL FUNCTION AS FOLLOWS:

1. THE TRAP IS ENABLED WITH THE SAME BIT AS USED TO ENABLE CW/EOF TRAPS ON THE 7607 DATA CHANNEL.
2. THE TRAP IS RESTORED THE SAME AS THE 7607 DATA CHANNEL.
3. TRAP ADDRESSES AND DATA STORED AT THESE ADDRESSES ARE THE SAME AS THE 7607 DATA CHANNEL.
4. THE THREE TRAP FLAGS ARE AS FOLLOWS:
 - A. BIT 15 END OF FILE CONDITION
 - B. BIT 16 REDUNDANCY CHECK
 - C. BIT 17 OPERATION CONCLUDED.

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DESCRIPTION (CONT'D)

5. OPERATION CONCLUDED IS DEFINED TO INDICATE THAT A DISCONNECT CONTROL WORD (IOCD) IS BEING EXECUTED AND THE WORD COUNT HAS BEEN DECREMENTED TO EQUAL ZERO AND NEITHER AN I/O CHECK, END OF FILE, OR REDUNDANCY CHECK HAS OCCURRED PRIOR TO ISSUING A TRAP DEMAND.
6. WITH TRAP INSTALLED, THE END OF FILE AND REDUNDANCY CHECK INDICATORS ARE RESET WHEN A TRAP OCCURS. A TEF INSTRUCTION WILL RESET THE END OF FILE INDICATOR AND PREVENT TRAPS DUE TO THAT CONDITION. A TRC INSTRUCTION WILL RESET THE REDUNDANCY CHECK INDICATOR AND PREVENT TRAPS DUE TO THAT CONDITION.
7. IF THE CHANNEL IS NOT ENABLED PRIOR TO A NEW WRITE SELECT OR READ SELECT BEING ISSUED THE TRAP CONDITION FOR THE PREVIOUS SELECT WILL BE RESET.