

* T I N I
T A P E I N T E R R U P T R O U T I N E

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This document is provisional in nature and is intended as a vehicle for meeting immediate needs with regard to system familiarization and orientation. UNIVAC® Division of Sperry Rand Corporation reserves the right to change and/or modify such information contained herein as may be required by subsequent system developments.

2.0 GENERAL

*TINT is a tape interrupt routine which is designed to be used for read and write instructions with processor lockout and successful completion interrupt inhibited.

The purpose of this routine is to provide full error recovery for tape units.

Example of coding to call for *TINT:

LABEL	OPERATION	OPERANDS
	*TINT	
	*TINT	C

If the parameter in the operands field is blank, a UNIVAC IIIA interrupt routine will be generated as part of the worker program.

If the parameter in the operands field is C, a UNIVAC IIIC interrupt routine will be generated as part of the worker program.

NOTE: When tape work is detected on IIIC tapes the MSD of tetrad 50 will be set to a 3.

3.0 E R R O R S T O P S

Error stops in *TINT are as follows:

30 (001ccc) (00uuuu) 6660 - tape parity (reissue has been tried 5 times).

30 (001ccc) (00uuuu) 5560 - memory parity error or unrecoverable error on backward read.

ccc = channel number
uuuu = unit number

4.0 EXTERNAL FUNCTION

Before executing the XF order, the worker program must store the order into the field labeled XTWS+4. The worker program must issue the XF order.

Example:

LABEL	OP	OPERANDS
XFRD	BA1	XFRD+4,5
	SA1	XTWS+4,5
	XF	061,0100,0,4

This routine does not work with the Executive Routine. Before the worker program executes a tape order, it must initialize the tetrad areas that pertain to tape (e.g., Tape Read Base Address-Tetrad 48, Tape Read Character Count-Tetrad 49, Tape Write Base Address-Tetrad 52, Tape Write Character Count-Tetrad 53).