

N^o 17473/003/00

This document was produced by SDC in performance of DOD SD 97

AUTHOR *J. A. Slaybough*
J. A. Slaybough

NOTE

an internal working paper

DATE 1 February 1962
PAGE 1 OF 3 PAGES
Page 2 Blank

System Development Corporation/2500 Colorado Ave./Santa Monica, California

Author Delivered

2/6

USE OF U MODIFIER CODES WITH BSN AND PER

An operate (PER) U modifier code may be used with a BSN instruction. Such an instruction causes the operate action to take place, and for branching purposes the "sensed unit" is off. That is, with the NB modifier set to zero, the instruction effect is the same as using a PER instruction. However, if the NB modifier is set to one, branching will take place, making the instruction essentially equivalent to the sequence PER BUC.

If a PER instruction is used with a sense or sense clear (BSN) U modifier code an alarm will be generated, and should therefore be avoided.

1 February 1962

3
(Last Page)

N-17473/003/00

Active Notes

Store Class Instructions

- 001 Half-word mode with AOR, SOR, and ATR
- 002 Twin mode with AOR, SOR, and ATR

Miscellaneous Class Instructions

- 003 Use of U Modifier Codes with BSN and PER

Arithmetic Unit

- 001 Half-word mode with AOR, SOR, and ATR
- 002 Twin mode with AOR, SOR, and ATR