HONEYWELL EDP

SERIES 200

3/4-INCH TAPE
INPUT/OUTPUT B
ADDENDUM #1

GENERAL SYSTEM: SERIES 200/BASIC PROGRAMMING SYSTEM

SUBJECT: Changes and corrections to the programming and operating procedures for the Information Bulletin 3/4-Inch Tape Input/Output B (formerly TIPTOP 2), DSI-290A, dated April 30, 1965.

SPECIAL INSTRUCTIONS: These changes should be entered into the above referenced bulletin. They will be incorporated into future editions of the bulletin.

DATE: June 25, 1966   DSI-290A

Since the April 30, 1965 publication of the 3/4-Inch Tape Input/Output B (formerly TIPTOP 2) bulletin, several program names have been modified or changed to reflect current policies. The following table shows the correspondence between old and new terminology. Future editions of the manual and other publications will incorporate this terminology.

Old	New
TIPTOP 2: Tape Input/Output Control Package for 3/4-Inch Tape	3/4-Inch Tape Input/Output B
Easycoder 4K	Easycoder A
Easycoder 8K	Easycoder B
Easycoder 12K	Easycoder C

CHANGES AND CORRECTIONS

In the following information, to be inserted into the bulletin on the indicated pages, corrections and changes are underscored to facilitate updating. The explanation for parameter 08 in Table 2-3 on page 2-8 should read:

Rightmost location of the banner word used for writing data records. Banner word must have a word mark in its leftmost location.

Also in Table 2-3, the explanation for parameter 09 should read:

Leftmost location of filler item. This must not be blank if the records are blocked with a fixed number of items per record.

On page 2-9, entry 8 under the OPEN macro instruction should read:

Exit is made to the opex routine, if specified.

At the top of page 2-11, entry 5 under the GET macro instruction should read:

When each record is read, only the frame parity test is made. If the test fails, the record is reread up to sixty-four times. If this fails, index register 5 is set to the first location of the buffer containing the error record and an exit is made to the uncorrectable read error (rderrex) routine.

Table 2-4, entitled Parameters Used with CIOR Macro, should be pasted over with the following corrected table.

Table 2-4. Parameters Used With CIOR Macro

Parameter Number	Mnemonic Designation	Format	Explanation
01	input	INPUT or blank	INPUT - There is at least one input file. blank - There are no input files.
02	output	OUTPUT or blank	OUTPUT - There is at least one output file. blank - There are no output files.
03	nodate	NODATE or blank	NODATE - No date checking or editing is required; blank otherwise.
04	type	Digit from 0-7 or blank	0 to 7 - PCU address assignment for console typewriter, if available. blank - No console typewriter is available.
05	rwc	Two-digit octal number or blank	RWC number to be used by the console typewriter. Digit one: 5 - interlocked RWC 1 - non-interlocked RWC Digit two: 1, 2, 3, or 5 for RWC's 1, 2, 3, or 1', respectively The console typewriter may use the same RWC used by a file. Omit this parameter if not applicable.

SECTION III

HALTS

The 3/4-Inch Tape Input/Output package detects several conditions which are identified by the coding in the A- and B-address registers or by console typeouts. These conditions include (1) uncorrectable read error, (2) uncorrectable write error (or the output tape has been left in the protect status), (3) end-of-reel condition (the operator must mount the next reel on the drive indicated), and (4) unacceptable reel (the reel being opened is unacceptable and must be changed).

When an operator's control panel is used, the low-order 12 bits of the A-address and B-address registers (AAR and BAR, respectively) identify the reason for halting using the following designations:

$$\text{AAR:} \quad 000 \ 000 \ aaa \ aaa$$
$$\text{BAR:} \quad 0pp \ ppp \ rrr \ ddd$$

where: $aaa \ aaa$ 111 111 - Input file
000 000 - Output file

ddd tape drive number

$pp \ ppp$ peripheral address of tape control

rrr 001 - Uncorrectable read error.
010 - Write error (or the output tape drive is in protect status).
011 - End-of-reel condition encountered. The operator must mount next reel on drive ddd.
111 - The reel being opened on drive ddd is unacceptable. The operator should change the tape.

After the appropriate action has been taken, the operator restarts the program by depressing RUN.

When a console typewriter is used, the typeouts listed in Table 3-1 are performed instead of halts. After each typeout, 3/4-Inch Tape I/O B loops until the operator types in the letter G; then processing is resumed.

Table 3-1. Diagnostic Typeouts for 3/4-Inch Tape I/O B

Typeouts	Cause
RD ERR (tape control address) (drive number)	Uncorrectable read error.
WR ERR (tape control address) (drive number)	Uncorrectable write error or output tape is in the protect status.
END TP (tape control address) (drive number)	An end-of-reel condition has occurred. The operator must mount the next reel on the drive indicated.
OPNERR (tape control address) (drive number)	The reel being opened is not acceptable; change the tape. (The information typed out pertains to the wrong reel that was opened.)