#### KDF & PFS TAPE FORMATS

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### KDF & PFS TAPE FORMATS

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#### I. Introduction

This paper describes KDF & PFS tape formats and will serve as a background paper to enable users to more fully understand the PL/1 programs developed to list and copy and fiddle with these tapes on the XXX/360. These programs are described in another working paper entitled ''XXX/360 KDF & PFS TAPE FIDDLING ROUTINES''.

We note here that a PFS tape has the same general format as a KDF tape, since it was produced by the KDF routines, but the specific structure of the PFS user file (usually one on the tape) is considerably different and is separately documented.

The character set used is the "Internal 940 Set (Obsolete)". (See the appendix.)

#### II. KDF Tape Format

The general format of a KDF tape is as follows on the next five pages:

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## FORMAT OF KDF HEADER AND TRAILER



User number is an integer > 0.

	KDF Trailer
	(o words)
0	-1
1	-1
2	-1
3	-1
4	-1
5	-1
6	-1
7	-1
	1

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\* A "page" is 2048 24-bit words.

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### FORMAT OF A 2K FILE PAGE



A description of each field will be found on the next page. It should be kept in mind that the pages of a file occur sequentially on the tape but not necessarily consecutively. <u>Pages from other</u> <u>files may be interspersed.</u>

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Char 0 through Char 4: Characters of name, left justified and padded with blanks. <u>S</u>: 0 if sequential, 1 if random.  $01_2$  if not last block of file,  $10_2$  if last. END: File type as for TSS scratch files. TYPE: Page number of block in file if not last block, Size/Page: number of data words in block (decremented by 1) if last. Public access key:  $00_2$  = invisible,  $01_2$  = no access, GAC:  $10_2$  = read-only,  $11_2$  = write. Password access key. PAC: OAC: Owner access key. YEAR: Year last written - 1960. (e.g. YEAR = 1 means 1961) Month last written, January = 1. MONTH: DAY: Day of month last written. Hour last written, 0 to 23. HOUR: File password. Password:

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## III. PFS Tape Format

Essentially a PFS tape is a dump of the disc file and has the following general format:



Each PFS User file can have up to 256 pages and each page is split into 2 records.

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There will usually be less than 255 pages (e.g., 510 records) since unused pages and bad spots on the disc are not copied to the tape. A bad page is indicated by 7777777B in the name field and an unused page is indicated by 0000000B in the name field. (See next page for format of the Index Record - the name field is Char  $\emptyset$  thru Char 3).

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Format of Index Record

(1st Half Page Only)



AND THAT'S ALL FOLKS

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# APPENDIX I

# INTERNAL 940 SET (OBSOLETE)

	9 - <b>-</b> 10															
	0	1	2	3	4	5	6	7	10	11	12	13	14	15	16	17
0	Ŗ	!	11	#	\$	0, 0	ե	1	(	)	*	+	,	-	•	/
20	ø	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
40	0	A	В	С	D	E	F	G	Н	I	J	K	L	М	N	0
60	Р	Q	R	S	Т	U	v	W	х	Y	Z	[	$\mathbf{n}$	]	↑	4
100	_	a	b	с	d	е	f	g	h	i	j	k	1	m	n	0
120	р	q	r	s	t	u	v	w	x	у	z	{		ALT }		→ EOF
140	NUL	ĘА	ξB	ŧС	ξD	ξE	ξF	ξG	ξH	ξI	LF	ξK	FF &L	CR	ξN	ξO
160	ξP	ξQ	ξR	ξS	ξT	<del>६</del> ប	ξV	₿W	ξX	ξY	ξZ	&[	ε∖	ֆ]	€↑	€≁

Reference: Old folk legend

altmode (escape to multiple blanks) carriage return end of file form feed (page eject) line feed ALT:

CR :

- EOF:
- FF:
- LF:
- NUL: null character