

CONTENTS

1.	Introduction.	1
2.	The PRECISE Program	4
3.	PRECISE Vocabulary, Logical Structure & Operations.	8
4.	Description of Operations (General)	11
5.	Description of the Internal Operations.	13
	Group I.	13
	Group II (Binary Operators) *	14
	Group III (Unary Operators)	15
6.	Binary Tape Operations and Tape Manipulation.	16
	REWIND TAPES T(1),T(2),	16
	UNLOAD TAPES T(1),T(2),	16
	SETLOW DENSITY ON TAPES T(1),T(2),	16
	SETHIGH DENSITY ON TAPES T(1),T(2),	16
	ENDFILE TAPES T(1),T(2),	16
	POSITION TAPE T, a, b, c, d	16
	PUT ON TAPE T, COLUMNS C(1),C(2), ,C(n)	16
	GET FORM TAPE T, COLUMNS C(1),C(2), ,C(n)	17
	Other BCD Tape Operations	17
	PRNTi COLUMNS C(1),C(2), ,C(n)	17
	PNCHI COLUMNS C(1),C(2), ,C(n)	17
	READi COLUMNS C(1),C(2), ,C(n)	17
	SWITCH INPUT TAPE TO BE T.	17
	TRANSFER NEXT STATEMENTS TO TAPE T.	17
	ENDTRANSFER OF INSTRUCTIONS	18
	Output Control Operations	18
	NOLIST	18
	LIST	18
	DONTHEAD.	18
	DOHEAD.	18
	DONTPAGE.	18
	DOPAGE.	18
	DONTSPACE	18
	DOSPACE	18
7.	Restrictions on the Operations	19
8.	Errors and Error Detection.	21
	Figures	22
	APPENDIX I - JOB DEFINITION OF PRECISE PROGRAMS	34

APPENDIX II - FORMAT DESCRIPTION.....	35
Binary to Decimal Integer Conversion (T=I)	
{gPnIwZ}	36
Binary to Floating Point Decimal Conversion (T=E)	
{aSb(c)gPnEd.wZ}	36
Binary to Fixed Point Decimal Conversion (T=F)	
{aSnFd.wZ}	37
Binary to Octal Conversion (T=O)	
{aSb(c)gPnOd.wZ}	37
BCD Conversion (T=A) {nAwZ}	38
Blank Insertion (T=X) {nXZ}	38
BCD Characters Within the Format.....	38
Printing of Tables {mKaSb(c)gPnTd.zW}.....	39
 APPENDIX III Systems Information	 40
APPENDIX IV Multiple Precision Package for the 7090/7094. . .	46

