

CONTENTS	Date	Page
1. INTRODUCTION	Oct. 1979	1.0.1
Terminal Configuration	Oct. 1979	1.0.2
2. CREDIT FEATURES		
2.1 Maximize machine usage	Oct. 1979	2.1.1
2.2 Wide rage of Input/Output commands		
2.3 Programmed by terminal class, not workstation		
2.4 Work blocks for storage and communication		
2.5 Multi-task system	Oct. 1979	2.5.1
2.6 Specialized command set		
3. CREDIT PROGRAM STRUCTURE	Oct. 1979	3.0.1
	Oct. 1979	3.0.2
	Oct. 1979	3.0.3
	Oct. 1979	3.0.4
	Oct. 1979	3.0.5
	Oct. 1979	3.0.6
	Oct. 1979	3.0.7
	Oct. 1979	3.0.8
3.1 Directives	Oct. 1979	3.1.1
	Oct. 1979	3.1.2
3.1.1 Structure directives	Oct. 1979	3.1.3
	Oct. 1979	3.1.4
3.1.1.1 Main program structure directives	Oct. 1979	3.1.5
3.1.1.2 Subroutine structure directives	Oct. 1979	3.1.6
3.1.2 Linkage directives	Oct. 1979	3.1.7
3.1.3 Listing directives	Oct. 1979	3.1.8
3.1.4 Options directive	Oct. 1979	3.1.9
	Oct. 1979	3.1.10
3.1.5 Equate directive	Oct. 1979	3.1.11
3.1.6 Parameter directives	Oct. 1979	3.1.12
3.2 Data Division		
3.2.1 Overview	Oct. 1979	3.2.1
	Oct. 1979	3.2.2
	Oct. 1979	3.2.3
3.2.2 Structure of the Data Division	Oct. 1979	3.2.4
	Oct. 1979	3.2.5
3.2.3 Terminal class declaration	Oct. 1979	3.2.6
3.2.4 Start directive	Oct. 1979	3.2.7
	Oct. 1979	3.2.8
3.2.5 Workblocks	Oct. 1979	3.2.9
3.2.5.1 Terminal workblocks	Oct. 1979	3.2.10
	Oct. 1979	3.2.11
3.2.5.2 Common workblocks	Oct. 1979	3.2.12
3.2.5.3 User workblocks	Oct. 1979	3.2.13

		Date	Page
3.2.5.4	Dummy workblocks	Oct. 1979	3.2.14
3.2.5.5	Swappable workblocks	Oct. 1979	3.2.15
		Oct. 1979	3.2.16
3.2.6	Data Set directive (DSET)	Oct. 1979	3.2.17
3.2.7	Data items		
3.2.7.1	CREDIT data items	Oct. 1979	3.2.18
3.2.7.2	Boolean data items (BOOL)	Oct. 1979	3.2.19
		Oct. 1979	3.2.20
3.2.7.3	Binary data items (BIN)	Oct. 1979	3.2.21
		Oct. 1979	3.2.22
3.2.7.4	Binary coded decimal data items (BCD)	Oct. 1979	3.2.23
		Oct. 1979	3.2.24
		Oct. 1979	3.2.25
3.2.7.5	String data items (STRG)	Oct. 1979	3.2.26
3.2.7.6	Arrays	Oct. 1979	3.2.27
		Oct. 1979	3.2.28
3.2.8	Literals-Overview		
3.2.8.1	Literal constants	Oct. 1979	3.2.29
3.2.8.2	Key tables	Oct. 1979	3.2.30
3.2.8.3	Picture literals		
3.2.8.4	Format lists		
4.	INSTRUCTIONS	Oct. 1979	4.0.1
		Oct. 1979	4.0.2
4.1	Arithmetic instructions	Oct. 1979	4.1.1
		Oct. 1979	4.1.2
4.1.1	The ADD instruction	Oct. 1979	4.1.3
4.1.2	The SUBTRACT instruction		
4.1.3	The DIVIDE instruction	Oct. 1979	4.1.4
4.1.4	The DIVIDE Rounded instruction		
4.1.5	The MULTIPLY instruction		
4.1.6	The COMPARE instruction	Oct. 1979	4.1.5
		Oct. 1979	4.1.6
4.1.7	The MOVE instruction	Oct. 1979	4.1.7
		Oct. 1979	4.1.8
		Oct. 1979	4.1.9
		Oct. 1979	4.1.10
		Oct. 1979	4.1.11
4.2	Logical instructions	Oct. 1979	4.2.1
4.3	String instructions	Oct. 1979	4.3.1
		Oct. 1979	4.3.2
4.3.1	The COPY instruction	Oct. 1979	4.3.3
4.3.2	The EXTENDED COPY instruction	Oct. 1979	4.3.4
		Oct. 1979	4.3.5
4.3.3	The INSERT instruction	Oct. 1979	4.3.6
		Oct. 1979	4.3.7
		Oct. 1979	4.3.8

		Date	Page
4.3.4	The DELETE instruction	Oct. 1979	4.3.9
4.3.5	The MATCH instruction	Oct. 1979	4.3.10
4.4	Branch instructions	Oct. 1979	4.4.1
4.4.1	Unconditional branches	Oct. 1979	4.4.2
4.4.2	Branch on condition mask	Oct. 1979	4.4.3
4.4.3	Mnemonic branches	Oct. 1979	4.4.4
4.4.3.1	Conditional branch after I/O instruction	Oct. 1979	4.4.5
4.4.3.2	Conditional branch after COMPARE	Oct. 1979	4.4.6
4.4.3.3	Conditional branch after arithmetic instruction	Oct. 1979	4.4.7
4.4.4	Compare and branch instructions	Oct. 1979	4.4.8
4.4.5	Test and branch instructions	Oct. 1979	4.4.9
4.4.6	Indexed branch instructions	Oct. 1979	4.4.10
5.	SUBROUTINE HANDLING		
5.1	Introduction	Oct. 1979	5.1.1
		Oct. 1979	5.1.2
		Oct. 1979	5.1.3
5.2	Parameter handling		
5.2.1	General rules	Oct. 1979	5.2.1
		Oct. 1979	5.2.2
		Oct. 1979	5.2.3
5.2.2	Literals, keytables and format lists as parameters	Oct. 1979	5.2.4
		Oct. 1979	5.2.5
6.	INPUT AND OUTPUT		
6.1	Introduction	Oct. 1979	6.1.1
		Oct. 1979	6.1.2
		Oct. 1979	6.1.3
		Oct. 1979	6.1.4
6.1.1	Extended status	Oct. 1979	6.1.5
6.2	I/O instructions overview	Oct. 1979	6.2.1
6.2.1	Wait and No Wait	Oct. 1979	6.2.2
6.2.2	Echo and No Echo	Oct. 1979	6.2.3
6.2.3	Keytables	Oct. 1979	6.2.4
6.3	Keyboard Input (KI and NKI)	Oct. 1979	6.2.5
		Oct. 1979	6.3.1
		Oct. 1979	6.3.2
6.4	Edit and Write instruction (EDWRT)	Oct. 1979	6.4.1
6.5	Format lists	Oct. 1979	6.5.1
		Oct. 1979	6.5.2
		Oct. 1979	6.5.3
		Oct. 1979	6.5.4

	Date	Page
6.6 Format I/O Control	Oct. 1979	6.6.1
6.7 READ instruction	Oct. 1979	6.7.1
6.8 WRITE instruction	Oct. 1979	6.8.1
6.9 Data Set Control instructions (DSCn)		
6.9.1 Data Set Control zero (DSC0)	Oct. 1979	6.9.1
6.9.2 Data Set Control one (DSC1)	Oct. 1979	6.9.2
6.9.3 Data Set Control two (DSC2)	Oct. 1979	6.9.3
6.9.4 The use of data set instructions		
6.9.4.1 Cassette drive control	Oct. 1979	6.9.5
6.9.4.2 Display control		
6.9.4.3 System operator panel and keyboard lamps		
6.9.4.4 Teller terminal printer	Oct. 1979	6.9.6
6.9.4.5 Teller terminal printer (PTS 6371)	Oct. 1979	6.9.7
6.9.4.5 Oct. 1979	6.9.8	
6.10 Data Management	Oct. 1979	6.10.1
	Oct. 1979	6.10.2
	Oct. 1979	6.10.3
6.10.1 Assigning and closing files	Oct. 1979	6.10.4
6.10.2 Sequential file organization and access		
6.10.2.1 READ instruction	Oct. 1979	6.10.5
6.10.2.2 WRITE instruction	Oct. 1979	6.10.6
6.10.3 Random access		
6.10.3.1 The Random READ instruction	Oct. 1979	6.10.7
6.10.3.2 The Random WRITE instruction	Oct. 1979	6.10.8
6.10.4 Indexed access		
6.10.4.1 The Indexed ASSIGN instruction	Oct. 1979	6.10.11
6.10.4.2 The Indexed READ instruction	Oct. 1979	6.10.12
6.10.4.3 The Indexed READ NEXT instruction	Oct. 1979	6.10.13
6.10.4.4 The Indexed REWRITE instruction	Oct. 1979	6.10.14
6.10.4.5 The Indexed INSERT instruction	Oct. 1979	6.10.15
6.10.4.6 Deletion of indexed records	Oct. 1979	6.10.16
6.10.4.6 Oct. 1979	6.10.17	
7. TASK SCHEDULING AND ACTIVATION		
7.1 Dispatcher queue	Oct. 1979	7.1.1
	Oct. 1979	7.1.2
7.2 More than one start point	Oct. 1979	7.2.1
	Oct. 1979	7.2.2
8. INTERTASK COMMUNICATION		
8.1 Introduction	Oct. 1979	8.1.1
	Oct. 1979	8.1.2
8.1.1 Unaddressed READ and WRITE	Oct. 1979	8.1.3
8.1.2 Addressed READ and WRITE		
8.1.3 Examples of Intertask Communication		

		Date	Page
9. SCREEN MANAGEMENT			
9.1	Introduction	Oct. 1979	9.1.1
9.2	Requirements of Screen Management	Oct. 1979	9.2.1
9.2.1	Data Items	Oct. 1979	9.2.2
9.2.2	Data Sets	Oct. 1979	9.2.3
9.2.3	Entry Points	Oct. 1979	9.2.4
9.2.4	Key tables	Oct. 1979	9.2.5
9.2.5	Key table entries	Oct. 1979	9.2.6
9.2.5.1	Editor functions	Oct. 1979	9.2.7
9.2.5.2	Clear functions	Oct. 1979	9.2.8
9.2.5.3	Cancel functions	Oct. 1979	9.2.9
9.2.5.4	Tabulation functions	Oct. 1979	9.2.10
9.2.5.5	Miscellaneous functions	Oct. 1979	9.2.11
9.2.6	Format table	Oct. 1979	9.2.12
9.2.7	Tabulation validation routine	Oct. 1979	9.2.13
9.2.8	Value check routines	Oct. 1979	9.2.14
Print outs		Oct. 1979	9.2.15
		Oct. 1979	9.2.16
		Oct. 1979	9.2.17
		Oct. 1979	9.2.18
		Oct. 1979	9.2.19
10. DATA COMMUNICATION			
10.1	Introduction	Oct. 1979	10.1.1
10.2	Time-out		
10.3	Point-to-point	Oct. 1979	10.3.1
10.4	Multipoint		
10.5	DC task	Oct. 1979	10.5.1
11. PROGRAM DEVELOPMENT AND TESTING			
11.1	Introduction	Oct. 1979	11.1.1
11.2	CREDIT Translator		
11.3	CREDIT Linker		
	Flowchart	Oct. 1979	11.1.2
	11.3.1 Segmentation	Oct. 1979	11.3.1
11.4	Linkage Editor		
11.5	CREDIT Interpreter		
11.6	CREDIT Configurator		
11.7	CREDIT Debugger		
		Oct. 1979	11.7.1
		Oct. 1979	11.7.2
		Oct. 1979	11.7.3
11.8	Line Editor and Text Editor	Oct. 1979	11.8.1

		Date	Page
11.9	CREDIT Translator Listings	Oct. 1979	11.9.1
	Print outs	Oct. 1979	11.9.2
	Print outs	Oct. 1979	11.9.3
	Print outs	Oct. 1979	11.9.4
	Print outs	Oct. 1979	11.9.5
	Print outs	Oct. 1979	11.9.6
	Print outs	Oct. 1979	11.9.7
11.10	CREDIT Linker listings	Oct. 1979	11.10.1
11.10.1	Load map		
	Print outs	Oct. 1979	11.10.2
	Print outs	Oct. 1979	11.10.3
11.10.2	Call table	Oct. 1979	11.10.4
	Print out	Oct. 1979	11.10.5
11.10.3	Long branch table	Oct. 1979	11.10.6
	Print out	Oct. 1979	11.10.7
11.10.4	Perform table	Oct. 1979	11.10.8
	Print out	Oct. 1979	11.10.9
11.10.5	Literal pool	Oct. 1979	11.10.10
	Print out	Oct. 1979	11.10.11
11.10.6	Picture pool	Oct. 1979	11.10.12
	Print out	Oct. 1979	11.10.13
11.10.7	Key table pool	Oct. 1979	11.10.14
	Print out	Oct. 1979	11.10.15
11.10.8	Format pool	Oct. 1979	11.10.16
	Print out	Oct. 1979	11.10.17
11.10.9	Segment map	Oct. 1979	11.10.18
	Print out	Oct. 1979	11.10.19
11.10.10	Linker statistics per segment	Oct. 1979	11.10.20
11.10.11	Address cross reference listing		
11.11	Linkage Editor listings	Oct. 1979	11.11.1
	Print outs	Oct. 1979	11.11.2
	Print outs	Oct. 1979	11.11.3
11.12	SYSLOD (Configuration data)	Oct. 1979	11.12.1