

409 848  
CATALOGED BY DDC  
AS AD NO. \_\_\_\_\_  
409848

# TECHNICAL MEMORANDUM

(TM Series)

DDC AVAILABILITY NOTICE

Qualified requesters may obtain copies of this report from DDC.

This document was produced by SDC in performance of contract AF 19(628)-1648, Space Systems Division Program, for Space Systems Division, AFSC.

Utility Program Descriptions  
Milestone 11  
Binary Tape To Card (BTTC)

SYSTEM  
DEVELOPMENT  
CORPORATION  
2500 COLORADO AVE.  
SANTA MONICA  
CALIFORNIA

By  
W. E. Taber  
15 May 1963

Approved  
J. A. Kneemeyer

DDC  
RECEIVED  
JUL 17 1963  
T'SIA B

The views, conclusions or recommendations expressed in this document do not necessarily reflect the official views or policies of agencies of the United States Government.

Permission to quote from this document or to reproduce it, wholly or in part, should be obtained in advance from the System Development Corporation.

Although this document contains no classified information it has not been cleared for open publication by the Department of Defense. Open publication, wholly or in part, is prohibited without the prior approval of the System Development Corporation.



15 May 1963

1

TM-715/047/00

Preface

This document is intended as preliminary  
Milestone 11 documentation for Binary Tape  
To Card (BTTC).

The CPL catalog number for BTTC is 75674.

**SUBROUTINE IDENTIFICATION**

- A. Binary Tape To Card (BTTC) Ident G74, Mod AA
- B. Programmed: 1 March 1962  
System Development Corporation
- C. Documented: 15 May 1963  
W. Taber, System Development Corporation

**PURPOSE**

To punch Binary cards from a binary input tape.

**USAGE**

- A. Calling Sequence

B	NOP	0
	RTJ	BTTC
B+1	Normal Return	
	ZRO	2
B+2	ZRO	0
	ZRO	N
B+3	ZRO	0
	ZRO	F

where

N is the logical unit number of the tape to be punched

F is the number of files to be punched.

B. Function Card Format

\* BTTC N F

where

N and F are defined above.

C. On-line Messages

There is one typed message

EOF .....

Each time an end of file mark is read the above message is typed and the routine continues if there are more files to be processed.

D. Halts

None

E. Tape Mounting

The binary input tape is mounted on logical unit N where N is specified in the calling sequence or on the function request card.

F. Input/Output Formats

1. The input tape format is 21 words, written in binary mode.
2. The output, on the 523 Card Punch, has the format of the MTCII 1604 Binary card (see Reference B).

G. Jump and Stop Key Settings

None

15 May 1963

4  
(last page)

TM-715/047/00

#### METHOD

A binary record is read and the image converted to binary card format. The card is punched. Each time an end of file mark is read the EOF message is typed and the file count reduced by one. If the file count is then zero, BTTC exits to MTCII.

#### RESTRICTIONS

- A. The routine makes no tape read parity or read length error checks.
- B. Index registers 1-5 are used and not restored. The A and Q registers are not restored.

#### TIMING

BTTC punches 100 cards per minute maximum. Its timing is dependent on the speed of the 523 punch.

#### STORAGE REQUIREMENTS

Program Storage :	133 <sub>10</sub>
Temporary Storage:	62 <sub>10</sub>
Unused Storage	16190 <sub>10</sub>

#### REFERENCES

- A. The CPL catalog number for BTTC is 75674.
- B. "Master Tape Control II (MTCII)," Milestone 11, 24 August 1962, TM-745/000/00.

15 May 1963

TM-715/047/00

External Distribution List

Space Systems Division (Contracting Agency) Major C. R. Bond (SSOCD)	PIR-E5 (Aerospace) F. M. Adair
6594th Aerospace Test Wing (Contracting Agency) Col. A. W. Dill (TWRD) Lt. Col. M. S. McDowell (TWRU) (4) TWACS	R. D. Brandsberg L. H. Garcia G. J. Hansen C. S. Hoff L. J. Kreisberg T. R. Parkin E. E. Retzlaff H. M. Reynolds D. Saadeh V. White
PIR-E1 (Lockheed) B. J. Jones C. H. Finnie H. F. Grover H. R. Miller 461 Program Office 698BK Program Office W. E. Moorman (5)	PIR-E7 (STL) A. J. Carlson (2) R. L. Mills
PIR-E2 (Philco) J. A. Bean J. A. Isaacs R. Morrison S. M. Stanley	PIR-E4 (GE-Sunnyvale) D. Alexander (2)
PIR-E3 (LFE) D. F. Criley K. B. Williams (5)	PIR-E4 (GE-Box 8555) J. S. Brainard H. G. Klose J. D. Selby
PIR-E8 (Mellonics) F. Druding	PIR-E4 (GE-3198 Chestnut) J. F. Butler H. D. Gilman
	PIR-E4 (GE-Bethesda) W. L. Massey
	PIR-E4 (GE-Box 8661) J. D. Rogers

15 May 1963

TM-715/047/00

THORNTON, R. L.	14050	WILSON, G. D.	24124
TOTSCHKE, R. A.	24120	WINSOR, M. E.	22084
VORHAUS, A. H.	24076A	WINTER, J. E.	24117
WAGNER, I. T.	24093	WISE, R. C.	22158
WARSHAWSKY, S. B.	24097	WONG, J. P.	SUNNYVALE
WEST, G. D.	SUNNYVALE	ZACHTE, S. A.	24086
WEST, G. P.	22116A	ZUBRIS, C. J.	24075

15 May 1963

TM-715/047/00

Internal Distribution List

AFCPL	(5)	KEY, C. D.	22083
ALLFREE, D.	24083	KEYES, R. A.	24073
ALPERIN, N. I.	22088B	KINKEAD, R. L.	22155
ARMSTRONG, E.	24123	KNEEMEYER, J. A.	22153A
BERNARDS, R. M.	SUNNYVALE	KNIGHT, R. D.	22119
BIGGAR, D.	24118A	KOLBO, L. A.	22079
BILEK, R. W.	22101	KOSTINER, M.	14056B
BLACK, H.	14039	KRALIAN, R. P.	14039
BRENTON, L. R.	24103B	KRISTENSEN, K.	SUNNYVALE
BURKE, B. E.	24086	LACHAPPELLE, F. J.	22156
BURKE, R. F.	22082	LAUGHLIN, J. L.	24073
BUSCH, R. E.	22153B	LAVINE, J.	24091
CHAMPAIGN, M. E.	22091A	LEWIS, H. L.	22095
CHIODINI, C. M.	24082B	LITTLE, J. L.	24090A
CIACCIA, B. G.	24090B	LONG, F.	22078
CLINE, B. J.	24127	MADRID, G. A.	23014
COGLEY, J. L.	22122	MAHON, G. A.	24089
CONGER, L.	24082	MARIONI, J. D.	24076B
COOLEY, P. R.	24081	MARSHALL, R. D.	22099
COURT, T. D.	24086B	MARTIN, W. P.	24127B
DANT, G. B.	24086B	MCKEOWN, J. C.	22083
DECUIR, L. E.	24053A	MICHAELSON, S. A.	14039
DERANGO, W. C.	24094A	MILANESE, J. J.	22078
DEXTER, G. W.	25026	MUNSON, J. B.	22096A
DISSE, R. J.	22082	MYERS, G. L.	14056A
DOBRUSKY, W. B.	22150	NELSON, P. A.	24075
ELLIS, R. C.	22131A	NG, J.	22148
EMIGH, G. A.	14039	NGOU, L.	24127
ERICKSEN, S. R.	22113	PADGETT, L. A.	24110A
FELKINS, J.	24097	PATIN, O. E.	SUNNYVALE
FOSTER, G. A.	14039	PERRY, G. H.	24034
FRANKS, M. A.	24122	POLK, T. W.	24113
FREY, C. R.	23110	PRUETT, B. R.	22157
FRIEDEN, H. J.	23013	REILLY, D. F.	24121
GARDNER, S. A.	22160	REMSTAD, C. L.	25030
GREENWALD, I. D.	22116B	RUSSELL, R. S.	14054
GRIFFITH, E. L.	22157	SCHOLZ, J. W.	14039
HAAKE, J. W.	22088A	SCOTT, R. J.	24110
HARRIS, E. D.	24081	SEACAT, C. M.	SUNNYVALE
HENLEY, D. E.	22094B	SEIDEN, H. R.	22126B
HILL, C. L.	22161	SHAPIRO, R. S.	24110B
HILLHOUSE, J.	23110	SKELTON, R. H.	22087
HOLMES, M. A.	24103	SOLOMON, J. D.	23007
HOLZMAN, H. J.	24065B	SPEER, N. J.	24085
HOUGHTON, W. H.	24103B	STONE, E. S.	24058B
HOYT, R. L.	14039	SWEENEY, M. J.	25030
IMEL, L. E.	14050	TABER, W. E.	22155
KASTAMA, P. T.	23007	TENNANT, T. C.	27029
KAYSER, F. M.	24109	TESTERMAN, W. D.	14039
KEDDY, J. R.	24105	THOMPSON, J. W.	24082A

UNCLASSIFIED

System Development Corporation,  
Santa Monica, California  
UTILITY PROGRAM DESCRIPTIONS MILESTONE  
11 BINARY TAPE TO CARD (BTTC).  
Scientific rept., TM-715/047/00, by  
W. E. Taber. 15 May 1963, 5p.  
(Contract AF 19(628)-1648, Space  
Systems Division Program, for Space  
Systems Division, AFSC)  
Unclassified report

DESCRIPTORS: Satellite Networks.  
Programming (Computers).

UNCLASSIFIED

---

Reports that BTTC (Binary Tape to  
Card) punches Binary cards from a  
binary input tape. States that each  
time an end of file mark is read the  
EOF message is typed and the file  
count reduced by one. Also states  
that if the file count is then zero,  
BTTC exits to MFCII.

UNCLASSIFIED

UNCLASSIFIED