

MANUAL TRANSLATION MODIFICATION PROCEDURE
CHANGING TOTANI TABLE (TOTANI)
REPRODUCIBLE FORMS

1. GENERAL

1.01 This appendix contains the following reproducible TOTANI forms:

- (a) TOT-1 Form (1 page)
- (b) TOT-2 Form (1 page)
- (c) TOT-3 Form (8 pages)
- (d) TOT-4 Form (1 page)

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement

TEST ACCESS NUMBER TABLE CHIPS ADDRESS RANGE*(.....) (.....)
 TOTAN CHIPS ADDRESS RANGE *(.....) (.....)
 AREA CODE TABLE CHIPS ADDRESS RANGE *(.....) (.....)

CHANGING EXISTING INFORMATION ON TOTANI TABLES

TOT-1 FORM

TOTANI

1. TOTANI NUMBER IN OCTAL
2. TOTANI NUMBER IN BINARY
3. PLACE TWO ZEROS TO RIGHT SIDE OF TOTANI BINARY NUMBER (ITEM 2)
4. ITEM 3 CONVERTED TO OCTAL

 00

TOTAN

5. TOTAN OCTAL ADDRESS
- ACTBL OCTAL ADDRESS
6. CONTENTS OF TOTAN OCTAL ADDRESS - WORD 1
7. CONTENTS OF TOTAN OCTAL ADDRESS - WORD 2
8. ADD TOTANI (ITEM 4) TO TOTAN (ITEM 7)*

TEST ACCESS NUMBER TABLE

9. READ TEST ACCESS NUMBER TABLE

	(A) OCTAL ADDRESS	(B) INITIAL OCTAL CONTENT	(C) INITIAL BINARY CONTENT P 16 14 X	(D) NEW BINARY CONTENT P 16 14 X	(E) NEW OCTAL CONTENT
1st WORD	_____	_____	_____	_____	_____
2nd WORD	_____	_____	_____	_____	_____
3rd WORD	_____	_____	_____	_____	_____
4th WORD	_____	_____	_____	_____	_____

* IN NO. 2B ESS THE OCTAL ADDRESS WILL BE 7 DIGITS; HOWEVER, FOR NO. 2 ESS THE OCTAL ADDRESS WILL BE 6 DIGITS.

TEST ACCESS NUMBER TABLE CHIPS ADDRESS RANGE (_____) (_____)
 TOTAN CHIPS ADDRESS RANGE (_____) (_____)
 AREA CODE TABLE CHIPS ADDRESS RANGE (_____) (_____)

DEFINE AN ADDITIONAL TOTANI TABLE

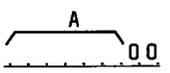
TOT-2 FORM

TOTAN

1. TOTAN OCTAL ADDRESS _____
2. ADDRESS AND CONTENTS OF TOTAN WORD 1

(A) <u>ADDRESS</u>	(B) <u>INITIAL CONTENTS</u>	(C) <u>NEW CONTENTS</u>
_____	_____	_____
3. ADDRESS AND CONTENTS OF TOTAN WORD 2

(A) <u>ADDRESS</u>	(B) <u>INITIAL CONTENTS</u>	(C) <u>NEW CONTENTS</u>
_____	_____	_____
4. TABLE SIZE INDICATOR _____
5. (A) DECIMAL EQUIVALENT OF EXISTING 4-WORD ENTRIES _____
- (B) NUMBER OF WORDS IN TABLE (ITEM 5(A) TIMES 4) _____



IF SPARE BLOCK OF 4-WORDS EXISTS

6. TOTANI NUMBER TO BE CHANGED _____

IF SPARE BLOCK OF 4-WORDS DOES NOT EXIST

7. NUMBER OF WORDS REQUIRED _____
8. NUMBER OF 4-WORD ENTRIES (ITEM 7 DIVIDED BY 4) _____
9. TABLE SIZE INDICATOR _____
10. LEAST SIGNIFICANT DIGITS OF TOTAN WORD 1 (ITEM 1) _____
11. ADD TABLE SIZE INDICATOR (ITEM 9) TO LEAST SIGNIFICANT DIGITS OF
 TOTAN WORD 1 (ITEM 10) _____
12. CONVERT NEW TOTAN WORD 1 (ITEM 11) TO BINARY _____
 P
13. NEW TOTAN WORD 1 WITH CORRECTED PARITY _____
 P

SECTION 232-127-318

Appendix 1

TEST ACCESS NUMBER TABLE CHIPS ADDRESS RANGE *()
 TOTAN CHIPS ADDRESS RANGE *()
 AREA CODE TABLE CHIPS ADDRESS RANGE *()

TEST ACCESS NUMBER TABLE (WORDS 0-255)

TOT-3 FORM

WORD	INITIAL ADDRESS	NEW ADDRESS	INITIAL CONTENTS	NEW CONTENTS
0				
NOT USED				
1				
2				
3				
4				
TOTANI = 1				
5				
6				
7				
8				
TOTANI = 2				
9				
10				
11				
12				
TOTANI = 3				
13				
14				
15				
16				
TOTANI = 4				
17				
18				
19				
20				
TOTANI = 5				
21				
22				
23				
24				
TOTANI = 6				
25				
26				
27				
28				
TOTANI = 7				
29				
30				
31				

* IN NO. 2B ESS THE OCTAL ADDRESS WILL BE 7 DIGITS; HOWEVER, FOR NO. 2 ESS THE OCTAL ADDRESS WILL BE 6 DIGITS.

TOT-3 FORM

<u>WORD</u>	<u>INITIAL ADDRESS</u>	<u>NEW ADDRESS</u>	<u>INITIAL CONTENTS</u>	<u>NEW CONTENTS</u>
32	_____	_____	_____	_____
TOTANI = 8	_____	_____	_____	_____
33	_____	_____	_____	_____
34	_____	_____	_____	_____
35	_____	_____	_____	_____
36	_____	_____	_____	_____
TOTANI = 9	_____	_____	_____	_____
37	_____	_____	_____	_____
38	_____	_____	_____	_____
39	_____	_____	_____	_____
40	_____	_____	_____	_____
TOTANI = 10	_____	_____	_____	_____
41	_____	_____	_____	_____
42	_____	_____	_____	_____
43	_____	_____	_____	_____
44	_____	_____	_____	_____
TOTANI = 11	_____	_____	_____	_____
45	_____	_____	_____	_____
46	_____	_____	_____	_____
47	_____	_____	_____	_____
48	_____	_____	_____	_____
TOTANI = 12	_____	_____	_____	_____
49	_____	_____	_____	_____
50	_____	_____	_____	_____
51	_____	_____	_____	_____
52	_____	_____	_____	_____
TOTANI = 13	_____	_____	_____	_____
53	_____	_____	_____	_____
54	_____	_____	_____	_____
55	_____	_____	_____	_____
56	_____	_____	_____	_____
TOTANI = 14	_____	_____	_____	_____
57	_____	_____	_____	_____
58	_____	_____	_____	_____
59	_____	_____	_____	_____
60	_____	_____	_____	_____
TOTANI = 15	_____	_____	_____	_____
61	_____	_____	_____	_____
62	_____	_____	_____	_____
63	_____	_____	_____	_____

TOT-3 FORM

<u>WORD</u>	<u>INITIAL ADDRESS</u>	<u>NEW ADDRESS</u>	<u>INITIAL CONTENTS</u>	<u>NEW CONTENTS</u>
64	_____	_____	_____	_____
TOTANI = 16	_____	_____	_____	_____
65	_____	_____	_____	_____
66	_____	_____	_____	_____
67	_____	_____	_____	_____
68	_____	_____	_____	_____
TOTANI = 17	_____	_____	_____	_____
69	_____	_____	_____	_____
70	_____	_____	_____	_____
71	_____	_____	_____	_____
72	_____	_____	_____	_____
TOTANI = 18	_____	_____	_____	_____
73	_____	_____	_____	_____
74	_____	_____	_____	_____
75	_____	_____	_____	_____
76	_____	_____	_____	_____
TOTANI = 19	_____	_____	_____	_____
77	_____	_____	_____	_____
78	_____	_____	_____	_____
79	_____	_____	_____	_____
80	_____	_____	_____	_____
TOTANI = 20	_____	_____	_____	_____
81	_____	_____	_____	_____
82	_____	_____	_____	_____
83	_____	_____	_____	_____
84	_____	_____	_____	_____
TOTANI = 21	_____	_____	_____	_____
85	_____	_____	_____	_____
86	_____	_____	_____	_____
87	_____	_____	_____	_____
88	_____	_____	_____	_____
TOTANI = 22	_____	_____	_____	_____
89	_____	_____	_____	_____
90	_____	_____	_____	_____
91	_____	_____	_____	_____
92	_____	_____	_____	_____
TOTANI = 23	_____	_____	_____	_____
93	_____	_____	_____	_____
94	_____	_____	_____	_____
95	_____	_____	_____	_____

TOT-3 FORM

<u>WORD</u>	<u>INITIAL ADDRESS</u>	<u>NEW ADDRESS</u>	<u>INITIAL CONTENTS</u>	<u>NEW CONTENTS</u>
96	_____	_____	_____	_____
97	_____	_____	_____	_____
TOTANI = 24 98	_____	_____	_____	_____
99	_____	_____	_____	_____
100	_____	_____	_____	_____
101	_____	_____	_____	_____
TOTANI = 25 102	_____	_____	_____	_____
103	_____	_____	_____	_____
104	_____	_____	_____	_____
105	_____	_____	_____	_____
TOTANI = 26 106	_____	_____	_____	_____
107	_____	_____	_____	_____
108	_____	_____	_____	_____
109	_____	_____	_____	_____
TOTANI = 27 110	_____	_____	_____	_____
111	_____	_____	_____	_____
112	_____	_____	_____	_____
113	_____	_____	_____	_____
TOTANI = 28 114	_____	_____	_____	_____
115	_____	_____	_____	_____
116	_____	_____	_____	_____
117	_____	_____	_____	_____
TOTANI = 29 118	_____	_____	_____	_____
119	_____	_____	_____	_____
120	_____	_____	_____	_____
121	_____	_____	_____	_____
TOTANI = 30 122	_____	_____	_____	_____
123	_____	_____	_____	_____
124	_____	_____	_____	_____
125	_____	_____	_____	_____
TOTANI = 31 126	_____	_____	_____	_____
127	_____	_____	_____	_____

TOT-3 FORM

<u>WORD</u>	<u>INITIAL ADDRESS</u>	<u>NEW ADDRESS</u>	<u>INITIAL CONTENTS</u>	<u>NEW CONTENTS</u>
128	_____	_____	_____	_____
129	_____	_____	_____	_____
TOTANI = 32	_____	_____	_____	_____
130	_____	_____	_____	_____
131	_____	_____	_____	_____
132	_____	_____	_____	_____
133	_____	_____	_____	_____
TOTANI = 33	_____	_____	_____	_____
134	_____	_____	_____	_____
135	_____	_____	_____	_____
136	_____	_____	_____	_____
137	_____	_____	_____	_____
TOTANI = 34	_____	_____	_____	_____
138	_____	_____	_____	_____
139	_____	_____	_____	_____
140	_____	_____	_____	_____
141	_____	_____	_____	_____
TOTANI = 35	_____	_____	_____	_____
142	_____	_____	_____	_____
143	_____	_____	_____	_____
144	_____	_____	_____	_____
145	_____	_____	_____	_____
TOTANI = 36	_____	_____	_____	_____
146	_____	_____	_____	_____
147	_____	_____	_____	_____
148	_____	_____	_____	_____
149	_____	_____	_____	_____
TOTANI = 37	_____	_____	_____	_____
150	_____	_____	_____	_____
151	_____	_____	_____	_____
152	_____	_____	_____	_____
153	_____	_____	_____	_____
TOTANI = 38	_____	_____	_____	_____
154	_____	_____	_____	_____
155	_____	_____	_____	_____
156	_____	_____	_____	_____
157	_____	_____	_____	_____
TOTANI = 39	_____	_____	_____	_____
158	_____	_____	_____	_____
159	_____	_____	_____	_____

TOT-3 FORM

<u>WORD</u>	<u>INITIAL ADDRESS</u>	<u>NEW ADDRESS</u>	<u>INITIAL CONTENTS</u>	<u>NEW CONTENTS</u>
160	_____	_____	_____	_____
161	_____	_____	_____	_____
TOTANI = 40	_____	_____	_____	_____
162	_____	_____	_____	_____
163	_____	_____	_____	_____
164	_____	_____	_____	_____
165	_____	_____	_____	_____
TOTANI = 41	_____	_____	_____	_____
166	_____	_____	_____	_____
167	_____	_____	_____	_____
168	_____	_____	_____	_____
169	_____	_____	_____	_____
TOTANI = 42	_____	_____	_____	_____
170	_____	_____	_____	_____
171	_____	_____	_____	_____
172	_____	_____	_____	_____
173	_____	_____	_____	_____
TOTANI = 43	_____	_____	_____	_____
174	_____	_____	_____	_____
175	_____	_____	_____	_____
176	_____	_____	_____	_____
177	_____	_____	_____	_____
TOTANI = 44	_____	_____	_____	_____
178	_____	_____	_____	_____
179	_____	_____	_____	_____
180	_____	_____	_____	_____
181	_____	_____	_____	_____
TOTANI = 45	_____	_____	_____	_____
182	_____	_____	_____	_____
183	_____	_____	_____	_____
184	_____	_____	_____	_____
185	_____	_____	_____	_____
TOTANI = 46	_____	_____	_____	_____
186	_____	_____	_____	_____
187	_____	_____	_____	_____
188	_____	_____	_____	_____
189	_____	_____	_____	_____
TOTANI = 47	_____	_____	_____	_____
190	_____	_____	_____	_____
191	_____	_____	_____	_____

SECTION 232-127-318
Appendix 1

TOT-3 FORM

<u>WORD</u>	<u>INITIAL ADDRESS</u>	<u>OLD ADDRESS</u>	<u>INITIAL CONTENTS</u>	<u>NEW CONTENTS</u>
192	_____	_____	_____	_____
TOTANI=48 193	_____	_____	_____	_____
194	_____	_____	_____	_____
195	_____	_____	_____	_____
196	_____	_____	_____	_____
TOTANI=49 197	_____	_____	_____	_____
198	_____	_____	_____	_____
199	_____	_____	_____	_____
200	_____	_____	_____	_____
TOTANI=50 201	_____	_____	_____	_____
202	_____	_____	_____	_____
203	_____	_____	_____	_____
204	_____	_____	_____	_____
TOTANI=51 205	_____	_____	_____	_____
206	_____	_____	_____	_____
207	_____	_____	_____	_____
208	_____	_____	_____	_____
TOTANI=52 209	_____	_____	_____	_____
210	_____	_____	_____	_____
211	_____	_____	_____	_____
212	_____	_____	_____	_____
TOTANI=53 213	_____	_____	_____	_____
214	_____	_____	_____	_____
215	_____	_____	_____	_____
216	_____	_____	_____	_____
TOTANI=54 217	_____	_____	_____	_____
218	_____	_____	_____	_____
219	_____	_____	_____	_____
220	_____	_____	_____	_____
TOTANI=55 221	_____	_____	_____	_____
222	_____	_____	_____	_____
223	_____	_____	_____	_____

TOT-3 FORM

<u>WORD</u>	<u>INITIAL ADDRESS</u>	<u>OLD ADDRESS</u>	<u>INITIAL CONTENTS</u>	<u>NEW CONTENTS</u>
224	_____	_____	_____	_____
225	_____	_____	_____	_____
TOTANI=56 226	_____	_____	_____	_____
227	_____	_____	_____	_____
228	_____	_____	_____	_____
229	_____	_____	_____	_____
TOTANI=57 230	_____	_____	_____	_____
231	_____	_____	_____	_____
232	_____	_____	_____	_____
233	_____	_____	_____	_____
TOTANI=58 234	_____	_____	_____	_____
235	_____	_____	_____	_____
236	_____	_____	_____	_____
237	_____	_____	_____	_____
TOTANI=59 238	_____	_____	_____	_____
239	_____	_____	_____	_____
240	_____	_____	_____	_____
241	_____	_____	_____	_____
TOTANI=60 242	_____	_____	_____	_____
243	_____	_____	_____	_____
244	_____	_____	_____	_____
245	_____	_____	_____	_____
TOTANI=61 246	_____	_____	_____	_____
247	_____	_____	_____	_____
248	_____	_____	_____	_____
249	_____	_____	_____	_____
TOTANI=62 250	_____	_____	_____	_____
251	_____	_____	_____	_____
252	_____	_____	_____	_____
253	_____	_____	_____	_____
TOTANI=63 254	_____	_____	_____	_____
255	_____	_____	_____	_____

TEST ACCESS NUMBER TABLE CHIPS ADDRESS RANGE *(.....) (.....)
 TOTAN CHIPS ADDRESS RANGE *(.....) (.....)
 AREA CODE TABLE CHIPS ADDRESS RANGE *(.....) (.....)

AREA CODE TABLE

TOT-4 FORM

ITEM DESCRIPTION

1. TEST ACCESS NUMBER TABLE ENTRY WORD 1

<u>ADDRESS</u>	<u>CONTENTS</u>
.....

2. CONVERT WORD 1 CONTENTS (ITEM 1) TO BINARY

P	16	14
X	~~~~~	
	

3. CONVERT BINARY BITS 14-16 (ITEM 2) TO OCTAL

4. ACTBL ADDRESS FROM MTI TABLE

.....

5. AREA CODE TABLE ENTRY ADDRESS AND CONTENTS

<u>ADDRESS</u>	<u>INITIAL CONTENTS</u>	<u>NEW CONTENTS</u>
.....

6. INITIAL CONTENTS (ITEM 5) IN BINARY

P
X
.....

7. NEW CONTENTS IN BINARY

P
X
.....