# EQUIPMENT TEST LIST

## AMA-ANI

### OFFICES WITH OFFICE TEST FRAME

### NO. 5 CROSSBAR SYSTEMS

## CONTENTS

<table>
<thead>
<tr>
<th>CONTENTS</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. GENERAL</td>
<td>1</td>
</tr>
<tr>
<td>5.1 MASTER TIMING CK</td>
<td>2</td>
</tr>
<tr>
<td>5.2 RECORDER</td>
<td>2</td>
</tr>
<tr>
<td>5.3 CALL IDENT INDEX</td>
<td>4</td>
</tr>
<tr>
<td>5.4 TRANSV PREF CHN</td>
<td>5</td>
</tr>
<tr>
<td>5.5 TRANSV CONNECTOR</td>
<td>5</td>
</tr>
<tr>
<td>5.6 TRANSVERTER</td>
<td>6</td>
</tr>
<tr>
<td>5.7 TRANSVERTER</td>
<td>6</td>
</tr>
<tr>
<td>5.8 VERIF TESTS</td>
<td>7</td>
</tr>
</tbody>
</table>

## 1. GENERAL

1.01 This section provides an index and information access system to locate the standard tests applicable to equipment listed in the preceding table of contents. Test classification and frequency of periodic routine are also provided.

1.02 This Equipment Test List (ETL) is reissued to incorporate changes which are indicated by an arrow to the left of each line which has been changed.

1.03 Comments on this section should be made by following the instructions in Bell System Practices (BSP), Section 000-010-015.

1.04 Routine test information is arranged in the following order from left to right: Section number, issue/addendum, test letter or paragraph number, test title, test class, frequency, and the last space is for a locally assigned job number.

1.05 Section 010-300-011 provides Equipment Test List instructions.
5.0 AMA-ANI

5.1 AMA-ANI; MASTER TIMING CK

FOR ALL UNITS

218-772-501 (9/0)

A TIME INDICATION CHECK
B SELECTOR EXERCISE
C PULSE FAILURE ALARM
D TR CONT AND TIMER SYNC FAILURE ALARM
E SELECTOR SYNC CHECK AND FAILURE ALARMS
F BOTH MASTER TIMING CKTS MAKE-BUSY ALARM
G END-OF-TAPE FAILURE ALARM TEST
H FUSE ALM RLS (FA) (FA1) AND MAKE-BUSY
I MASTER TIMING CK
J TIME INDICATION CHECK MW D
K PULSE FAILURE ALARM MW 3M
L TR CONT AND TIMER SYNC FAILURE ALARM MW 12M
M SELECTOR SYNC CHECK AND FAILURE ALARMS MW 12M
N BOTH MASTER TIMING CKTS MAKE-BUSY ALARM MW 12M
O END-OF-TAPE FAILURE ALARM TEST MW 12M
P FUSE ALM RLS (FA) (FA1) AND MAKE-BUSY MW 12M
Q PAPER TAKE-UP ALARM MW 12M
R TROUBLE TESTS

218-772-501 (9/0)

A END-OF-TAPE
B ROUTINE END-OF-TAPE RECORD
C GROUPING
D SELECTOR POSITION AND CHECK LAMP
E PREFERENCE AND LOCKOUT
F TIMER START CONTROL
G TIME-OUT ALARM
H PERFORATOR LEAD CROSS-DETECTION
I LT1-LT9 RELAYS (LONG TIMER)
J TRANSFER FEATURES
K TROUBLE TIMING FEATURE MW 6M
L TROUBLE TIMING FEATURE MW 12M
M EXERCISING ROUTINE MW 6M
N EXERCISING ROUTINE MW 12M
O TROUBLE TESTS

218-772-501 (9/0)

A MAKE-BUSY FEATURE
B OPERATION TEST
C SYNCHRONIZING FEATURES
D RCDR NO. MIN. SEC TMG & HOUR ALM FEAT (1 SECOND TIMING)
E RCDR NO. MIN. SEC TMG & HOUR ALM FEAT (6 SECOND TIMING)
F SPICE AND BREAK-IN TAPE AND JAM FEATURE
G AG LEAD ALARM AND LOCKING
H TRANSIENT OPR OF PERF MAGS & SER REL LOCKING
J SELECT ONLY ONE CATEGORY

REGULAR

218-475-501 (3/0)

A TRANSFER FEATURES
B TROUBLE TIMING FEATURE

EMERGENCY

218-475-501 (3/0)

A TROUBLE TIMING FEATURE
B EXERCISING ROUTINE

TROUBLE TESTS

218-475-501 (3/0)

A MAKE-BUSY FEATURE
B OPERATION TEST
C SYNCHRONIZING FEATURES
D RCDR NO. MIN. MIN TMG & HOUR ALM FEAT (6 SECOND TIMING)
E RCDR NO. MIN. SEC TMG & HOUR ALM FEAT (1 SECOND TIMING)
F SPICE AND BREAK-IN TAPE AND JAM FEATURE
G AG LEAD ALARM AND LOCKING
H TRANSIENT OPR OF PERF MAGS & SER REL LOCKING

Page 2
218-475-501 (3/0) J TROUBLE CROSS DETECTING
K FALSE CONT & CROSSES OF TC- RELAYS
L PERF LEADS TO TRNSV--TRUNK IDENT LEADS
M PREFERENCE RELAYS--OPR AND LOCKOUT
M.1 DYNAMIC TEST OF PREFERENCE RELAYS
M.2 DETECTION OF FALSELY GROUNDED DJ LEAD

EMERGENCY RECORDER
218-475-501 (3/0) N MAKE-BUSY FEATURE
O OPERATION TEST
P SYNCHRONIZING FEATURE
Q RCDR NUMBER, MIN TIMING, & HR ALARM (6 SECOND TIMING)
Q.1 RCDR NO. MIN TMG, SEC TMG & HR ALARM FEAT (1 SECOND TIMING)
R SPLICE AND BREAK-IN TAPE AND PAPER JAM FEATURE
T AG LEAD ALARM AND LOCKING
U TRANSIENT OPER OF PERF MAGS & SER REL LOCKING
V TROUBLE CROSS DETECTING
W FALSE CONT & CROSSES OF TC- RELAYS
X PERF LEADS TO TRNSV--TRUNK IDENT LEADS
Y PREFERENCE RELAYS--OPR AND LOCKOUT
AA DYNAMIC TEST OF PREFERENCE RELAYS
AB DETECTION OF FALSELY GROUNDED DJ LEAD

H-FRAME

SELECT ONLY ONE CATEGORY

REGULAR
218-474-501 (4/0) A TRANSFER FEATURES
G TROUBLE TIMING FEATURE

EMERGENCY
218-474-501 (4/0) S TROUBLE TIMING FEATURE
Z EXERCISING ROUTINE

TROUBLE TESTS
218-474-501 (4/0) B MAKE-BUSY FEATURES
C OPERATION TEST
D SYNCHRONIZING FEATURES
E RCDR NUMBER, MIN TIMING, & HR ALARM
E.1 RCDR NO., MIN TMG, SEC TMG & HR ALARM FEAT.
F SPLICE AND BREAK-IN TAPE
H AG LEAD ALARM AND LOCKING
I TRANSIENT OPR OF PERF MAGS & SER REL LOCKING
J TROUBLE CROSS-DETECTING FEATURES
SECTION 218-002-015

218-474-501 (4/0)  K  FALSE CONT & CROSSES OF TC- RELAYS  TT  
L  PERF LEADS TO TRNSV--TRUNK IDENT LEADS  TT  
M  PREFERENCE RELAYS--OPR AND LOCKOUT  TT  
M.1  DYNAMIC TEST OF PREFERENCE RELAYS  TT  
M.2  DETECTION OF FALSELY GROUNDED DJ LEAD  TT  

EMERGENCY RECORDER

218-474-501 (4/0)  N  MAKE-BUSY FEATURE  TT  
O  OPERATION TEST  TT  
P  SYNCHRONIZING FEATURE  TT  
Q  RCDR NUMBER, MIN TIMING, & HR ALARM  TT  
Q.1  RCDR NO., MIN TMG, SEC TMG & HR ALARM FEAT.  TT  
R  SPlice AND Break-IN Tape  TT  
T  AG LEAD ALARM AND LOCKING  TT  
U  TRANSIENT OPR OF PERF MAGS & SERIES REL LOCK  TT  
V  TROUBLE CROSS-DETECTING FEATURES  TT  
W  FALSE CONT & CROSSES OF TC- RELAYS  TT  
X  PERF LEADS TO TRNSV--TRUNK IDENT LEADS  TT  
AA  DYNAMIC TEST OF PREFERENCE RELAYS  TT  
AB  DETECTION OF FALSELY GROUNDED DJ LEAD  TT  

5.3 AMA-ANI; CALL IDENT INDEX

J-FRAME

FOR ALL UNITS

218-476-501 (3/0)  E  TENS RELAYS PREFERENCE AND LOCKOUT  MM 12M  
F  UNITS RELAYS PREFERENCE AND LOCKOUT  MM 12M  
G  U-RELAY FALSE OPERATION  MM 12M  

TROUBLE TESTS

218-476-501 (3/0)  A  FALSE OPERATION OF TL- RELAYS  TT  
B  FALSE GROUND OR CROSS ON TC- LEADS  TT  
C  CONTINUITY OF RECORDER RESERVATION (RP-) LEADS  TT  
D  FALSE GROUND ON CROSS ON DJ- LEADS  TT  

H-FRAME

FOR ALL UNITS

218-476-502 (1/1)  C  TENS RELAYS PREFERENCE AND LOCKOUT  MM 12M  
D  UNITS RELAYS PREFERENCE AND LOCKOUT  MM 12M  
E  U-RELAY FALSE OPERATION  MM 12M  

TROUBLE TESTS

218-476-502 (1/1)  A  FALSE OPERATION OF TL- RELAYS  TT  
B  FALSE GROUND OR CROSS ON TC- LEADS  TT  
F  CONTINUITY OF RECORDER RESERVATION (RP-) LEADS  TT  
G  FALSE CROSS OR GROUND ON DJ- LEADS  TT  

Page 4
5.4 AMA-ANI; TRANSV PREF CHN

J-FRAME

FOR ALL UNITS

218-471-501 (2/1) G

TRANSVERTER PREF CHAIN TRANSFER & ALARM

MW 12H

TROUBLE TESTS

218-471-501 (2/1) A

TEST OF DIR NO. COLD CATHODE TUBES AND CHECK OF DIR NO. COILS AND ALT SURGE START

TT

B

TRANSPOSITION TEST OF VF AND SW LEADS

TT

C

VF LEAD CROSS DETECTION

TT

D

EQUIPMENT TERMINAL CROSS OR GROUND DETECTION

TT

E

TRANSLATOR IDENTIFICATION

TT

F

MAKE BUSY

TT

H

TB LEAD GROUND DETECTION

TT

I

OVERLAP

TT

H-FRAME

FOR ALL UNITS

218-470-501 (3/0) G

TRANSVERTER PREF CHAIN TRANSFER & ALARM

MW 12H

TROUBLE TESTS

218-470-501 (3/0) A

TEST OF DIR NO. COLD CATHODE TUBES AND CHECK OF DIR NO. COILS AND ALT SURGE START

TT

B

TRANSPOSITION TEST OF VF AND SW LEADS

TT

C

VERTICAL FILE LEAD CROSS DETECTION

TT

D

EQUIPMENT TERMINAL CROSS OR GROUND DETECTION

TT

E

TRANSLATOR IDENTIFICATION

TT

F

MAKE BUSY

TT

H

TB LEAD GROUND DETECTION

TT

I

OVERLAP

TT

5.5 AMA-ANI; TRANSV CONNECTOR

SELECT ONLY ONE CATEGORY

LAMA

218-739-501 (9/0) E

TIME-OUT FEATURES

MW 12H

ANI

218-738-501 (2/0) E

TIME-OUT FEATURES

MW 12H

TROUBLE TESTS

218-738-501 (2/0) A

TRANSVERTER CONN PREF--CB- RELAY CHAIN

TT

B

TRANSVERTER CONN PREF--TS- RELAY CHAIN

TT

C

SENDER PREFERENCE AND LOCKOUT

TT

D

TRANSVERTER BUSY TO TRANSVERTER CONN

TT

F

FALSE GROUND FEATURES

TT

G

SECOND TRIAL FEATURES

TT

218-739-501 (9/0) A

TRANSV CONN PREF & LOCKOUT--CB- CHAIN

TT

B

TRANSV CONN PREF & LOCKOUT--TS- CHAIN

TT
SECTION 218-002-015

5.6 AMA-ANI; TRANSVERTER
SELECT ONLY ONE CATEGORY

ANI
218-737-501 (5/0) A OVERALL TM1 TIMING AND FUSE ALARM
B TM2 TIMING
C TTR TIMING

LAMA
218-472-503 (4/0) B SHORT TIME-OUT
C LONG TIME-OUT AND FUSE ALARM

TROUBLE TESTS
218-472-503 (4/0) A TBL DETECT FOR GRD, BAT., AND CROSSES AND TROUBLE RECORDING FEATURES
D CONDENSER TIMED TIMEOUT FEATURE
E ALL-TRANSVERTERS-BUSY ALARM

218-737-501 (5/0) D TROUBLE DETECTION OF FALSE GROUNDS
E ALL-TRANSVERTERS-BUSY ALARM

5.7 AMA-ANI; TRANSVERTER
TROUBLE TESTS

TRANSVERTERS SD-25591-01 AND SD-26161-01 TESTS USING OTF
(323260)

218-473-501 (5/0) A CONT, FLS GRD, & FLS BAT. TSTS TO TIVC & ICK LEADS (LAMA TRANSVERTERS)
B TR OF START LEAD FROM TRANSVERTER CN
C OBSERVING FEATURE
D SECOND TRIAL FEATURE
E RECORDER MAKE-BUSY AND RECORDER TROUBLE
F TRANSLATOR MAKE-BUSY FEATURES
G TRANSLATOR DOUBLE CONNECTION
H AMA TRANSL SEL AND DIR NO. REG RELAYS
I ANI TRANSL SEL AND DIR NO. REG RELAYS
J INFO--HOME AREA (411) & FOR. AREA (NPA 411)
K FORCED 4-LINE ENTRY
L DIRECTORY ASSISTANCE CHARGING

TRANSVERTERS SD-25591-01 AND SD-26161-01 TESTS USING OTF
(H-595-950)
| A CONT, FLS GRD, & FLS BAT. TESTS OF TIC & ICK LEADS (LAMA TRANSVERTERS) | TT |
| B TR START LEAD FROM TRANSVERTER CONN | TT |
| C OBSERVING FEATURE | TT |
| D SECOND TRIAL FEATURE | TT |
| E RECORDER MAKE-BUSY AND RECORDER TROUBLE | TT |
| F TRANSLATOR MAKE-BUSY FEATURES | TT |
| G TRANSLATOR DOUBLE CONNECTION | TT |
| H AMA TRANSL SEL AND DIR NO. REG RELAYS | TT |
| I ANI TRANSL SEL AND DIR NO. REG RELAYS | TT |
| J INFO--HOME AREA (411) & FOR. AREA (NPA 411) | TT |
| K FORCED 4-LINE ENTRY | TT |
| L DIRECTORY ASSISTANCE CHARGING | TT |

5.8 AMA-ANI; VERIF TESTS

TROUBLE TESTS

AMA OR ANI TRNSL LINE VERIF TESTS USING AMA TRNSL LINE VERIF TST CKT SD-27632-01

| 218-727-501 (4/0) | A TRNSL CROSS-CONN VERIF-ALL LINE LOC | TT |
| B TRNSL CROSS-CONN VERIF-TEST OF DESIRED LINES | TT |
| C TRNSL CROSS-CONN VERIF-SINGLE LINE | TT |
| D TRNSL CROSS-CONN VERIF OF DES LINES WITH LD DISP | TT |
| E TRNSL CROSS-CONNECTION VERIF TEST OF ALL LOCATIONS USING TROUBLE INDICATOR | TT |
| F TRNSL CROSS-CONNECTION VERIF TEST OF DESIRED LINES USING TROUBLE INDICATOR | TT |
| G TRANSLATOR CROSS-CONNECTION VERIFICATION TEST OF A SINGLE LINE USING TI | TT |