EQUIPMENT TEST LIST

SENDERS

OFFICES WITH OFFICE TEST FRAME

NO. 5' CROSSBAR SYSTEMS

<table>
<thead>
<tr>
<th>CONTENTS</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. GENERAL</td>
<td>1</td>
</tr>
<tr>
<td>4.1 OG DIAL PLS W/LL</td>
<td>2</td>
</tr>
<tr>
<td>4.2 OG DIAL PLS W/O</td>
<td>3</td>
</tr>
<tr>
<td>4.3 OUTGOING MF</td>
<td>4</td>
</tr>
<tr>
<td>4.4 OUTGOING AIS</td>
<td>5</td>
</tr>
</tbody>
</table>

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.
4.0 SENDERS

4.1 SENDERS; OG DIAL PLS W/LL

J-FRAME

FOR ALL UNITS

\[
\begin{align*}
\text{J-FRAME} & \quad \text{FOR ALL UNITS} \\
218-451-501 (3/1) & \quad \text{A} \quad \text{REGULAR CALL} \\
& \quad \text{H} \quad \text{TRUNK REVERSED-OFF-HOOK TO ON-HOOK} \\
& \quad \text{I} \quad \text{TRUNK REVERSED-INITIAL OFF-HOOK} \\
& \quad \text{M} \quad \text{TIMING TEST} \\
& \quad \text{N} \quad \text{CANCEL TIMED RELEASE AND ALARM TEST} \\
& \quad \text{R} \quad \text{LINE LINK PULSING}
\end{align*}
\]

OPTIONAL FEATURES

AMA

\[
\begin{align*}
\text{AMA} & \quad \text{FOR ALL UNITS} \\
218-451-501 (3/1) & \quad \text{E} \quad \text{TRANSVERTER TROUBLE RELEASE} \\
& \quad \text{F} \quad \text{DELAY PULSING OF LAST DIGIT-AMA}
\end{align*}
\]

DIRECTORY ASSISTANCE CHARGING

\[
\begin{align*}
\text{DIRECTORY ASSISTANCE CHARGING} & \quad \text{FOR ALL UNITS} \\
218-451-501 (3/1) & \quad \text{S} \quad \text{DIRECTORY ASSISTANCE CHARGING}
\end{align*}
\]

TROUBLE TESTS

\[
\begin{align*}
\text{TROUBLE TESTS} & \quad \text{FOR ALL UNITS} \\
218-451-501 (3/1) & \quad \text{B} \quad \text{TRUNK TEST--OPEN TRUNK} \\
& \quad \text{C} \quad \text{ABANDONED CALL--AMA} \\
& \quad \text{D} \quad \text{ABANDONED CALL--NON-AMA} \\
& \quad \text{G} \quad \text{NO DIGIT CALL--AMA} \\
& \quad \text{J} \quad \text{STOP DIAL SIGNAL} \\
& \quad \text{K} \quad \text{DISTANCE TRUNK REVERSED OR BUSY} \\
& \quad \text{L} \quad \text{BATTERY AND GROUND PULSING} \\
& \quad \text{M.1} \quad \text{TM TIMER RECYCLE} \\
& \quad \text{O} \quad \text{ANTIGLARE TEST} \\
& \quad \text{P} \quad \text{INTERSENDER TIMING}
\end{align*}
\]

H-FRAME

FOR ALL UNITS

\[
\begin{align*}
\text{H-FRAME} & \quad \text{FOR ALL UNITS} \\
218-450-501 (2/2) & \quad \text{A} \quad \text{REGULAR CALL} \\
& \quad \text{H} \quad \text{TRUNK REVERSED-OFF-HOOK TO ON-HOOK} \\
& \quad \text{I} \quad \text{TRUNK REVERSED-INITIAL OFF-HOOK} \\
& \quad \text{M} \quad \text{TIMING TEST} \\
& \quad \text{N} \quad \text{CANCEL TIMED RELEASE AND ALARM TEST} \\
& \quad \text{P} \quad \text{INTERSENDER TIMING}
\end{align*}
\]

OPTIONAL FEATURES

AMA

\[
\begin{align*}
\text{AMA} & \quad \text{FOR ALL UNITS} \\
218-450-501 (2/2) & \quad \text{E} \quad \text{TRANSVERTER TROUBLE RELEASE} \\
& \quad \text{F} \quad \text{DELAY PULSING OF LAST DIGIT-AMA}
\end{align*}
\]

DIRECTORY ASSISTANCE CHARGING

\[
\begin{align*}
\text{DIRECTORY ASSISTANCE CHARGING} & \quad \text{FOR ALL UNITS} \\
218-450-501 (2/2) & \quad \text{R} \quad \text{DIRECTORY ASSISTANCE CHARGING}
\end{align*}
\]
### TROUBLE TESTS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>218-450-501</td>
<td>TRUNK TEST—OPEN TRUNK</td>
<td>TT</td>
</tr>
<tr>
<td></td>
<td>ABANDONED CALL—AMA</td>
<td>TT</td>
</tr>
<tr>
<td></td>
<td>ABANDONED CALL—NON-AMA</td>
<td>TT</td>
</tr>
<tr>
<td></td>
<td>NO DIGITS CALL—AMA</td>
<td>TT</td>
</tr>
<tr>
<td></td>
<td>STOP DIAL SIGNAL</td>
<td>TT</td>
</tr>
<tr>
<td></td>
<td>DISTANT TRUNK REVERSED OR BUSY</td>
<td>TT</td>
</tr>
<tr>
<td></td>
<td>BATTERY AND GROUND PULSING</td>
<td>TT</td>
</tr>
<tr>
<td></td>
<td>TRUNK TIMER RECYCLE</td>
<td>TT</td>
</tr>
<tr>
<td></td>
<td>ANTI-GLARE TEST</td>
<td>TT</td>
</tr>
<tr>
<td></td>
<td>SENDER BUSY</td>
<td>TT</td>
</tr>
</tbody>
</table>

### 4.2 SENDERS; OG DIAL PLS W/O J-FRAME

**FOR ALL UNITS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>218-451-501</td>
<td>REGULAR CALL</td>
<td>MW 24M</td>
</tr>
<tr>
<td></td>
<td>TRUNK REVERSED-OFF-HOOK TO ON-HOOK</td>
<td>MW 24M</td>
</tr>
<tr>
<td></td>
<td>TRUNK REVERSED-INITIAL OFF-HOOK</td>
<td>MW 24M</td>
</tr>
<tr>
<td></td>
<td>TIMING TEST</td>
<td>MW 24M</td>
</tr>
<tr>
<td></td>
<td>CANCEL TIMED RELEASE AND ALARM TEST</td>
<td>MW 24M</td>
</tr>
<tr>
<td></td>
<td>INTERSENDER TIMING</td>
<td>MW 24M</td>
</tr>
</tbody>
</table>

### OPTIONAL FEATURES

#### AMA

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>218-451-501</td>
<td>TRANSVERTER TROUBLE RELEASE</td>
<td>MW 12M</td>
</tr>
<tr>
<td></td>
<td>DELAY PULSING OF LAST DIGIT-AMA</td>
<td>MW 12M</td>
</tr>
</tbody>
</table>

#### DIRECTORY ASSISTANCE CHARGING

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>218-451-501</td>
<td>DIRECTORY ASSISTANCE CHARGING</td>
<td>MW 12M</td>
</tr>
</tbody>
</table>

### TROUBLE TESTS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>218-451-501</td>
<td>ANTI-GLARE TEST</td>
<td>TT</td>
</tr>
</tbody>
</table>

### H-FRAME

**FOR ALL UNITS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>218-450-501</td>
<td>REGULAR CALL</td>
<td>MW 24M</td>
</tr>
<tr>
<td></td>
<td>TRUNK REVERSED-OFF-HOOK TO ON-HOOK</td>
<td>MW 24M</td>
</tr>
<tr>
<td></td>
<td>TRUNK REVERSED-INITIAL OFF-HOOK</td>
<td>MW 24M</td>
</tr>
<tr>
<td></td>
<td>TIMING TEST</td>
<td>MW 24M</td>
</tr>
<tr>
<td></td>
<td>CANCEL TIMED RELEASE AND ALARM TEST</td>
<td>MW 24M</td>
</tr>
<tr>
<td></td>
<td>INTERSENDER TIMING</td>
<td>MW 24M</td>
</tr>
</tbody>
</table>

### OPTIONAL FEATURES

#### AMA

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>218-450-501</td>
<td>TRANSVERTER TROUBLE RELEASE</td>
<td>MW 12M</td>
</tr>
<tr>
<td></td>
<td>DELAY PULSING OF LAST DIGIT-AMA</td>
<td>MW 24M</td>
</tr>
</tbody>
</table>

#### DIRECTORY ASSISTANCE CHARGING
4.3 SENDERS; OUTGOING MF

J-FRAME

FOR ALL UNITS

218-457-501 (5/1) A REGULAR CALL
H REVERSED TRUNK
I TIMING FEATURES
J CANCELED TIMED RELEASE AND ALARM
L INTERSENDER TIMING

OPTIONAL FEATURES

AMA-LAMA

218-457-501 (5/1) E AMA TRANSVERTER TROUBLE RELEASE
F DELAY PULSING OF LAST DIGIT ON AMA CALL
U LAMA CALL
V DIRECTORY ASSISTANCE CHARGING

WITH MF GENERATOR

218-457-501 (5/1) O COMPARATIVE FREQUENCY TEST
P OSCILLATOR OUTPUT VOLTAGE
Q FREQUENCY TEST USING 72A FREQUENCY METER

DIRECTORY ASSISTANCE CHARGING

218-457-501 (5/1) V DIRECTORY ASSISTANCE CHARGING

Trouble Tests

218-457-501 (5/1) B TRUNK TEST--OPEN TRUNK
C ABANDONED CALL--AMA
D ABANDONED CALL--NON-AMA
G NO PULSE AMA CALL
K MARKER REORDER
M SENDER BUSY

FOR SENDERS USING MULTIFREQUENCY SUPPLY

218-457-501 (5/1) N MF CURRENT SUPPLY TROUBLE RELEASE

FOR SENDERS EQUIPPED WITH MF GENERATOR

218-457-501 (5/1) R AUTOMATICALLY IDENTIFIED CALL
S OPERATOR IDENTIFIED CALL
T AUTOMATICALLY IDENTIFIED CALL FAILURE

H-FRAME

FOR ALL UNITS

218-456-501 (3/2) A REGULAR CALL
H REVERSED TRUNK
I TIMING FEATURES
218-456-501 (3/2)  J CANCEL TIMED RELEASE AND ALARM
                 L INTERSENDER TIMING

OPTIONAL FEATURES

AMA-LAMA
218-456-501 (3/2)  E AMA TRANSVERTER TROUBLE RELEASE
                 F DELAY PULSING OF LAST DIGIT ON AMA CALL

WITH MF GENERATOR
218-456-501 (3/2)  O COMPARATIVE FREQUENCY CHECK
                 P OSCILLATOR OUTPUT VOLTAGE

DIRECTORY ASSISTANCE CHARGING
218-456-501 (3/2)  U DIRECTORY ASSISTANCE CHARGING

TROUBLE TESTS
218-456-501 (3/2)  B TRUNK TEST--OPEN TRUNK
                 C ABANDONED CALL--AMA
                 D ABANDONED CALL--NON-AMA
                 G NO PULSE AMA CALL
                 K MARKER REORDER
                 M SENDER BUSY

FOR SENDERS USING MF CURRENT SUPPLY
218-456-501 (3/2)  N MF CURRENT SUPPLY TROUBLE RELEASE

FOR SENDERS EQUIPPED WITH MF GENERATOR
218-456-501 (3/2)  Q FREQUENCY TEST USING 72A METER
                 R AUTOMATICALLY IDENTIFIED CALL
                 S OPERATOR IDENTIFIED CALL
                 T AUTOMATICALLY IDENTIFIED CALL FAILURE

SENDERS; OUTGOING AIS
FOR ALL UNITS
218-457-502 (3/0)  A REGULAR CALL
                 B LINE PREFERENCE TEST
                 G TIMING FEATURES
                 H CANCEL TIMED RELEASE & ALARM

OPTIONAL FEATURES

WITH MF GENERATOR
218-457-502 (3/0)  M COMPARATIVE FREQUENCY TEST
                 N OSCILLATOR OUTPUT VOLTAGE

TROUBLE TESTS
218-457-502 (3/0)  C OPEN LINE TEST
                 D REVERSED LINE TEST
                 E ABANDONED CALL
                 F 10X TEST LINE CALL
                 I MARKER REORDER
SECTION 218-002-014

218-457-502 (3/0) J  SENDER BUSY  TT

K  STUCK SENDER GUARD TEST  TT

FOR Senders using MF Current Supply

218-457-502 (3/0) L  MF Current Supply Trouble Release  TT

FOR Senders equipped with MF Generator

218-457-502 (3/0) O  Frequency Test  TT

P  All-Lines-Busy Test  TT