

RADIO ADMINISTRATION  
MOBILE RADIO  
TRANSMITTER MEASUREMENTS AND MAINTENANCE RECORD  
FORMS SW-3743a AND SW-3743b

1. GENERAL

Required entries on the front side of  
SW-3743a are as follows:

1.001 This Addendum supplements Section  
400-200-001 and provides instructions  
for the use and preparation of Forms SW-3743a  
and SW-3743b.

(a) Headings

Licensee - Preprinted, Southwestern  
Bell

Call Sign - Enter the call sign of the  
associated base station.

Location Work Performed - Enter the  
address where the meas-  
urements were made.

Telephone Number - Enter the telephone  
number assigned to the  
mobile station.

Registry - City, State - Enter the  
city and state where the  
mobile unit is licensed.

1.002 This Addendum is reissued to cancel  
Forms SW-3743 and SW-3744, Transmitter  
Maintenance Record, and introduce Forms SW-  
3743a, Domestic Mobile Transmitter Technical  
Log, and SW-3743b, TMRS Mobile Transmitter  
Technical Log.

1.003 Form E-3743 shall continue to be used,  
as specified in the main Section, to  
record maintenance information on mobile  
transmitters that are registered by other Bell  
System Operating Telephone Companies (OTC).

(b) Transmitter

Transmitter Serial No. - Enter the  
serial number of the  
transmitter.

Type - Enter the type acceptance num-  
ber.

Model - Enter the KS number or the  
manufacturer's model num-  
ber of the transmitter.

1.004 Bell System Form E-3744A, Transmitter  
Maintenance Record, will replace  
Southwestern Bell Telephone Co. Form SW-3744.  
It shall be used as specified in the main  
Section to record maintenance information for  
all base and test transmitters.

Power Output - Enter the transmitter  
power output. (This  
should be the value after  
adjusting to manufac-  
turer's specification.)

7. DESCRIPTION AND PREPARATION OF  
FORM SW-3743a AND SW-3743b  
(change the following paragraphs)

7.01 Form SW-3743a (Exhibit 1), Domestic  
Mobile Transmitter Technical Log, is  
a two-sided card, 3-3/8 x 6 inches in size.  
It is designed to replace Form SW-3743.

Receiver Sensitivity - Enter the rf  
level in micro volts to  
produce 20dB of noise  
quieting.

7.03 Form SW-3743a shall be used to record  
maintenance information on domestic  
mobile transmitters that are registered in  
Southwestern Bell.

(c) Test Set

Frequency Meter - Enter the manufacturer's name of the test set.

Serial Number - Enter the serial number of the test set.

Date of Cal. - Enter the last calibrated date of the test set. This is required to be calibrated annually.

\*Deviation Meter - Enter the name of the manufacturer of the test set.

\*Serial No. - Enter the serial number of the test set.

\*Date of Cal. - Enter the last calibrated date of the test set. This is required to be calibrated annually.

\* If the same test set is used to check the frequency and deviation, enter "same as above" next to "Deviation Meter." No entries will be required for the "Serial Number" and "Date of Calibration."

(d) Responsible Operator

Signed - Enter the licensed operator's signature as it appears on the license.

Dated - Enter the date of the transmitter measurements.

License No. - Enter the operator's license number.

Class - Enter the operator's class of license.

Expiration Date - Enter the expiration date of the operator's license.

(e) Transmitter Measurements

Frequency Assigned - Check the frequencies that are equipped in the transmitter.

Frequency Measured - Enter the frequency measured in MHz.

Frequency Adjusted to - Enter the frequency adjusted to in MHz.

Deviation Measured - Enter the deviation measured in KHz.

Deviation Adjusted to - Enter the deviation adjusted to in KHz.

(f) Control Head

Type - Enter Pulsar I, Pulsar II, etc.

Model - Enter the KS number or the manufacturer's model number.

(g) Pertinent Details of Work Performed -

Enter the details of all maintenance work performed on the transmitter.

Required entries on the reverse side of SW-3743a are as follows:

(a) Miscellaneous Customer Information

Customer's Name - Enter the customer's name as it is shown on the service order.

Contact No. - Enter the land telephone number where the customer can be contacted.

Address - Enter the address of the customer as it is shown on the service order.

Type and Make of Vehicle - Enter the type and make of vehicle that the radio unit is installed.

License No. - Enter the license number of vehicle.

(b) Service or Maintenance Duties

Service Order Activity - If there is service order activity, check the appropriate box.

Service Order No. - Enter the service order number.

Date Comp. - Enter the completion date of the service order.

Initial TFM - If the work is associated with a service order, check box and enter all measurements on the reverse side.

Transmitter Replaced/Repaired - If the work is associated with replacing or repairing the transmitter, check box and underline "replaced" or "repaired". Enter all measurements on the reverse side. If repair work was performed, enter the pertinent details on the reverse side.

Annual TFM - If annual transmitter frequency and modulation (TFM) measurements are made, check box and enter all measurements on the reverse side.

(c) Remarks - Enter any additional information as required.

7.04 Form SW-3743b (Exhibit 2) is a one-sided card, 3-3/8 x 6 inches in size. it is designed to replace Form SW-3743.

7.05 Form SW-3743b shall be used to record maintenance information on Telephone Maintenance Mobile Transmitters that are registered in Southwestern Bell.

7.06 Required entries on SW-3743b are as follows:

(a) Headings

Licensee - Preprinted "Southwestern Bell"

Call Sign - Enter the call sign of the state mobile license.

Location Work Performed - Enter the address where the measurements were made.

Unit No. - Enter the unit designator assigned to the mobile station.

Registry City, State - Enter the city and state where the mobile unit is assigned to operate.

(b) Transmitter

Transmitter Serial No. - Enter the Serial number of the transmitter.

Type - Enter the type acceptance number.

Model - Enter the manufacturer's model number.

Power Output - Enter the transmitter power output.

Receiver Sensitivity - Enter the rf level in microvolts to produce 20db of noise quieting.

(c) Test Set

- Frequency Meter - Enter the manufacturer's name of the test set.
- Serial No. - Enter the serial number of the test set.
- Date of Cal. - Enter the last calibrated date of the test set. This is required to be calibrated annually.
- \*Deviation Meter - Enter the manufacturer's name of the test set.
- \*Serial No. - Enter the serial number of the test set.
- \*Date of Cal. - Enter the last calibrated date of the test set. This is required to be calibrated annually.

\*If the same test set is used to check the frequency and deviation, enter "same as above" next to "Deviation Meter." No entries will be required for "Serial Number" and "Date of Calibration."

(d) Responsible Operator

- Signed - Enter the licensed operator's signature as it appears on the license.
- Dated - Enter the date of the transmitter measurements.
- License No. - Enter the operator's license number.
- Class - Enter the operator's class of license.
- Expiration Date - Enter the expiration date of the operator's license.
- Home Address - Enter the home address of the licensed operator.

(e) Transmitter Measurements

- Frequency Assigned - Enter all frequencies equipped in the transmitter.
- Frequency Measured - Enter the frequency measured in MHz.
- Frequency Adjusted to - Enter the frequency adjusted to in MHz.
- Deviation Measured - Enter the deviation measured in KHz.
- Deviation Adjusted to - enter the deviation adjusted to in KHz.

(f) Miscellaneous Customer Information

- Customer's Name - Enter the Supervisor's name or the work group where the radio is assigned.
- Address - Enter the address of the work location where the radio is located.
- Contact Telephone Number - Enter the Supervisor's telephone number who is responsible for the radio.
- Vehicle Make and Number - If the radio is installed in a vehicle, enter the make and year and number of the vehicle.
- Date Installed/Disconnected - Enter the date the radio was installed, rearranged or disconnected.

(g) Pertinent Details of Work Performed -

Enter all maintenance work performed on the transmitter.

11. RETENTION OF RECORDS

(Add the following paragraphs)

11.01 All station records normally shall be retained for at least one year.

11.02 Station records involving communications of distress or disaster and station records involving an investigation by the FCC shall be retained until the licensee is notified in writing by the Commission to destroy them.

11.03 Station records involving any claim or complaint shall be retained until such claim or complaint has been fully satisfied or until it has been barred by statute limiting the time for the filing of suits upon such claims.

12. ORDERING INFORMATION

(Add the following paragraph)

12.01 Forms SW-3743a and SW-3743b are stocked by Western Electric Company. They are listed in the Stationery Catalog and are available via the Order Invoice Plan.

EXHIBIT 1

SW-3743a

BSP 400-200-001 SW

**DOMESTIC MOBILE TRANSMITTER TECHNICAL LOG — SW 3743a (9-79)** Telephone No. \_\_\_\_\_

Licensee Southwestern Bell Call Sign \_\_\_\_\_ Registry City \_\_\_\_\_

Location Work Performed \_\_\_\_\_ State \_\_\_\_\_

Transmitter Serial No.	Model	Power Output _____ Watts	Receiver Sensitivity _____ U-Volts (For 20dB Quieting)	Transmitter-Frequency Assigned			— Deviation		
				MJ	OR	MK	Meas.	Adj. to	Meas.
157.77						459.375			
157.80						459.400			
157.83						459.425			
157.86						459.450			
157.89						459.475			
157.92						459.500			
157.95						459.525			
157.98						459.550			
158.01						459.575			
158.04						459.600			
158.07						459.625			
						459.650			

Control Head Type \_\_\_\_\_ Model \_\_\_\_\_  $\leq \pm 5Khz$

Pertinent Details of work performed \_\_\_\_\_

See Reverse

FRONT

CUSTOMER'S NAME \_\_\_\_\_ Contact No. \_\_\_\_\_

Address \_\_\_\_\_

Type and make of vehicle \_\_\_\_\_ License No. \_\_\_\_\_

**SERVICE OR MAINTENANCE DUTIES**

Service Order Activity  Install  Change  Disconnect

Service Order No. \_\_\_\_\_ Date Comp. \_\_\_\_\_

INITIAL TRANSMITTER FREQUENCY AND MODULATION (TFM) MADE MEASUREMENTS SHOWN ON OTHER SIDE.

TRANSMITTER REPLACED/REPAIRED IN THIS STATION. MEASUREMENTS SHOWN ON OTHER SIDE.

ANNUAL TFM. MEASUREMENTS SHOWN ON OTHER SIDE.

Remarks \_\_\_\_\_

NOTE: THIS DOCUMENT IS PART OF THE STATION RECORDS REQUIRED TO BE MAINTAINED BY THE FCC. TECHNICAL LICENSED OPERATORS PREPARING THIS RECORD SHOULD FAMILIARIZE THEMSELVES WITH STATION RECORDS SET FORTH IN THE FCC RULES AND REGULATIONS (R&R) FOR WHICH DOCUMENT IS BEING PREPARED REF. DOMESTIC PUBLIC LAND SERVICE. R&R 21.208

BACK

