OPERATION AND MAINTENANCE REGENERATOR STATION DR6/11-135A AND 135EC SOLID-STATE AMPLIFIER REPAIR VERIFICATION

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1. GENERAL

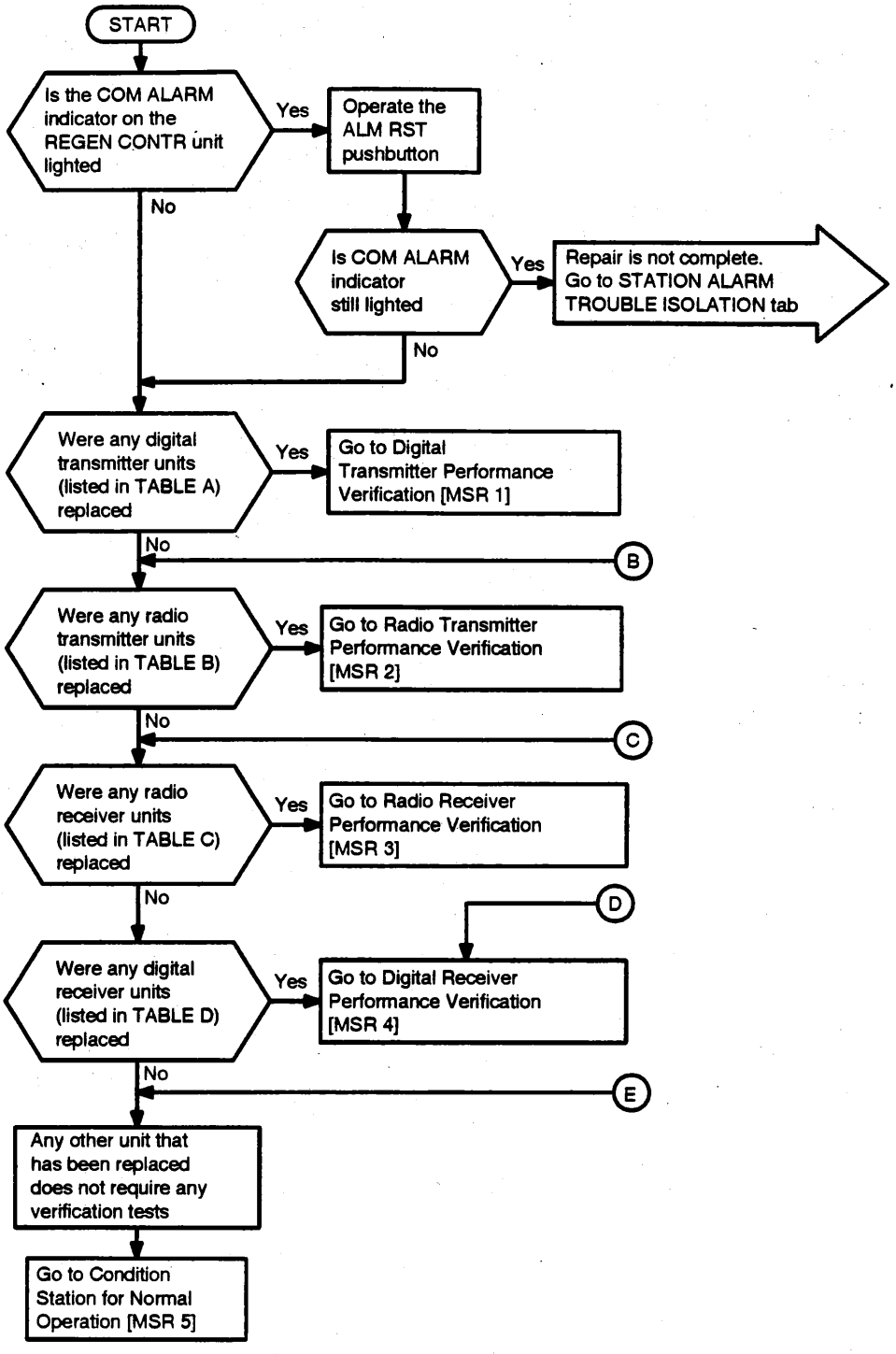
This practice is used to verify that the equipment repair is complete, no alarms are present, and system requirements are met. Repair verification is always the last procedure performed by the technician before leaving the station.

The following logic diagrams reference tests which verify that the repair is complete. When the requirements for all of the referenced tests are met, the equipment has been repaired and is ready for service. The tests can be found in the TESTS AND ADJUSTMENTS tab.

If referenced test requirements are not met, corrective action must be taken to clear any equipment alarms. If referenced tests are not met and there are no equipment alarm indications, report the trouble to the technical support group for further instructions.

1.1 UPDATE INFORMATION

This practice is reissued to update the text and to revise MSR 1 and MSR 2. The practice is used in binders 421-103-080 and 421-103-100.



MR 1—Station Repair Verification (Sheet 1 of 2)

TABLE A REGENERATOR TRANSMITTER CIRCUITS AFFECTING SYSTEM REQUIREMENTS
FRAME RSPLY
D/A CONVR
TRMT FLT
64QAM MOD

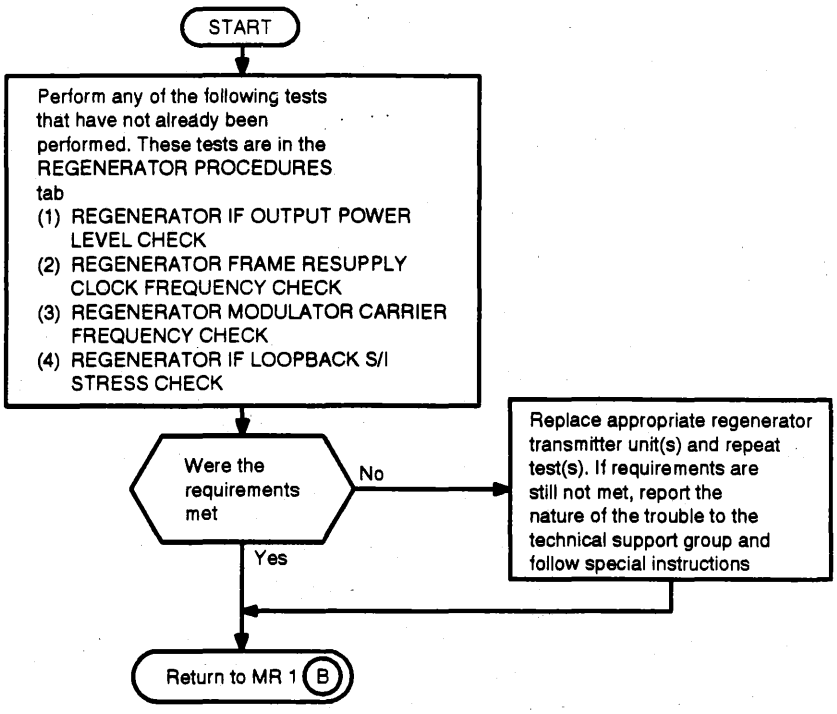
TABLE B RADIO TRANSMITTER CIRCUITS AFFECTING SYSTEM REQUIREMENTS
IF PREDISTORTER
TRANSMITTER UP CONV & MWV GEN
SOLID-STATE AMPLIFIER

TABLE C RADIO RECEIVER CIRCUITS AFFECTING SYSTEM REQUIREMENTS
RF PREAMPLIFIER
RECEIVER DOWN CONV & MWV GEN
LINEAR DELAY EQUALIZER
IF COMBINER
IF FILTER AND BASIC EQUALIZER
IF AGC AMPL
ADAPTIVE SLOPE EQL

TABLE D REGENERATOR RECEIVER CIRCUITS AFFECTING SYSTEM REQUIREMENTS	
ANALOG TE	DIGITAL TE
64QAM DEMOD	DEMOD
64QAM DECSN	TMG
TRNSV FLT	A/D
CRLTR	TE
RCV FLT	RCV FLT
REGEN FRMR	REGEN FRMR

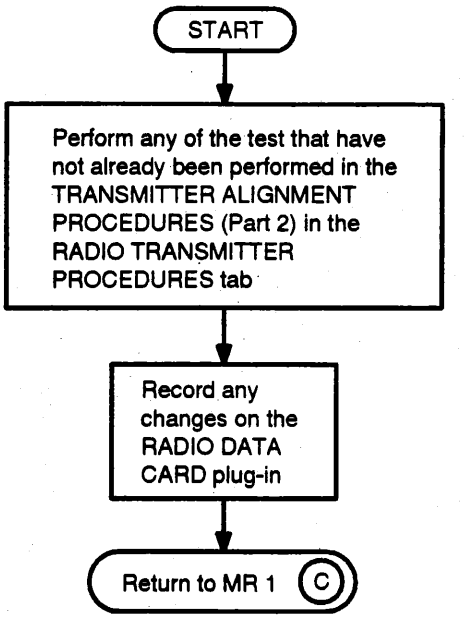
MR 1—Station Repair Verification (Sheet 2 of 2)

PREREQUISITE: There are no digital regenerator transmitter alarms.



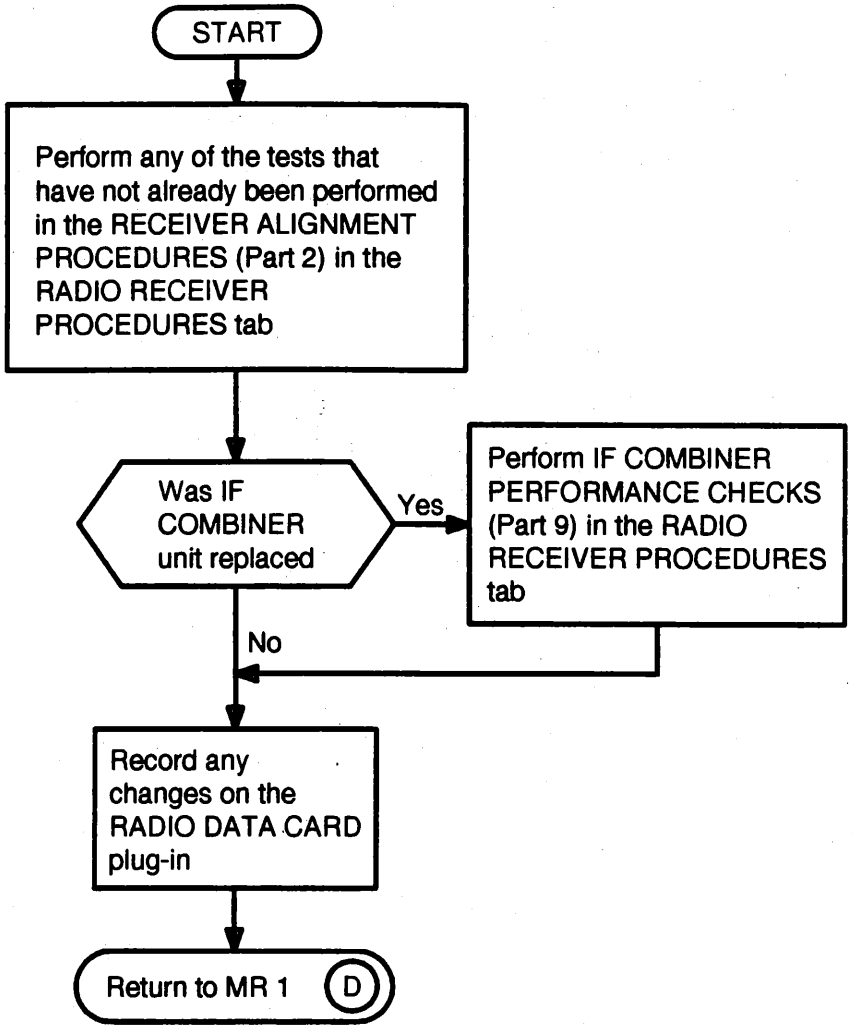
MSR 1—Digital Transmitter Performance Verification

PREREQUISITE: There are no radio transmitter alarms.



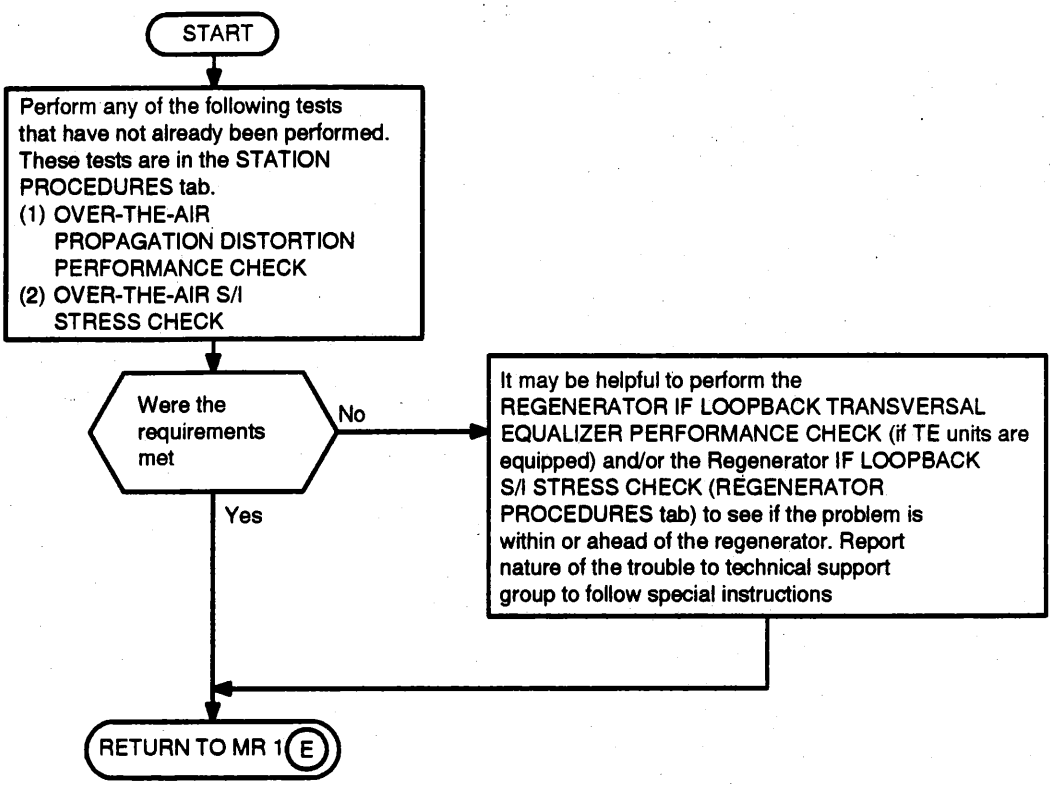
MSR 2—Radio Transmitter Performance Verification

PREREQUISITE: There are no radio receiver alarms.



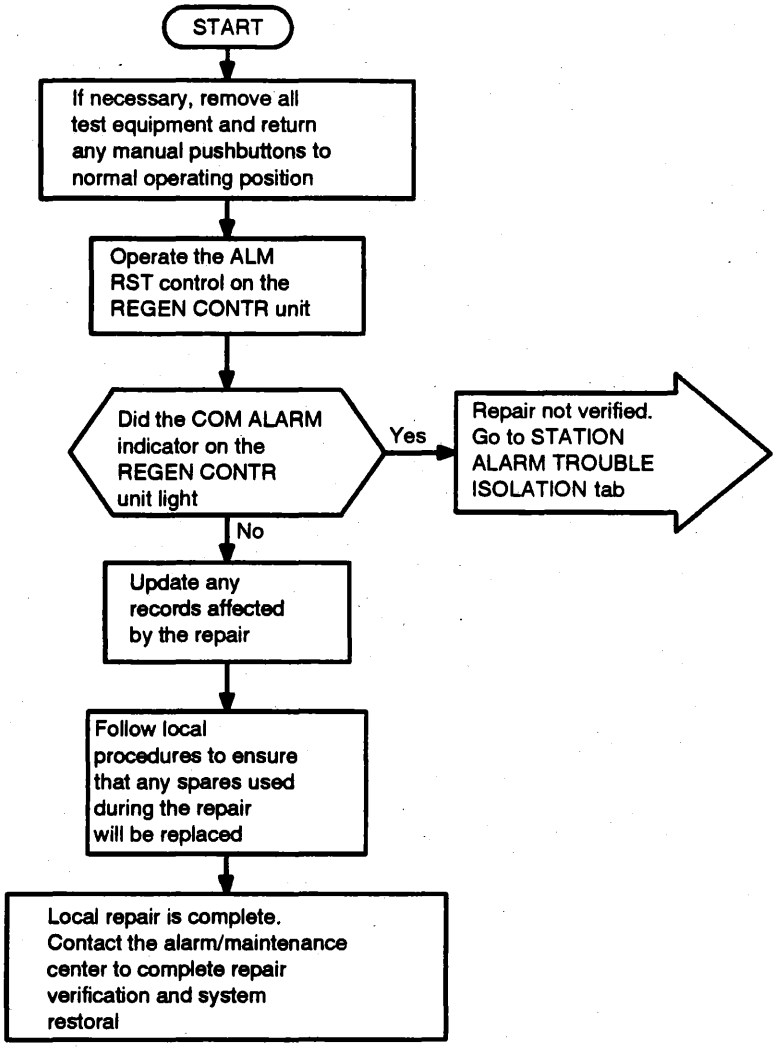
MSR 3—Radio Receiver Performance Verification

PREREQUISITE: There are no digital regenerator receiver alarms.



MSR 4—Digital Receiver Performance Verification

PREREQUISITE: All station alarms are clear.



MSR 5—Condition Station for Normal Operation