

**OPERATION AND MAINTENANCE
HOT STANDBY
DR 6/11-135A AND 135EC
IF AMPLIFIER ALARM**

The IF AGC amplifier is designed to maintain a relatively constant output level of -2 dBm for an input level in the range of -10 to -55 dBm.

Status indicators LPW IN and MAN are on the faceplate of the unit. The LPW IN alarm is generated when the signal level applied to the amplifier drops approximately 30 dB below the normal input level. The trip point for this indication is set using the LPW IN TRIP control on the faceplate. The primary purpose of the LPW IN status signal is to indicate a permanent high loss condition that would indicate equipment failure and not fading activity. When the input drops to the trip point, the LPW IN status indicator lights immediately. The IF AMP indicator on the ALARM or ALARM AND METER unit does not light until the LPW IN indicator has been lighted for 60 to 100 seconds. This delay is normally adequate to avoid fade induced LPW IN alarms.

The MAN indicator is activated whenever the AUTO/MAN switch on the IF amplifier is operated to the MAN position. When this switch is operated in the MAN position, both the MAN indicator on the IF amplifier faceplate and the IF AMP alarm indicator on the ALARM or ALARM AND METER unit will light immediately. When the IF AMP indicator on the centralized alarm unit is lighted, a remote receiver alarm is also initiated.

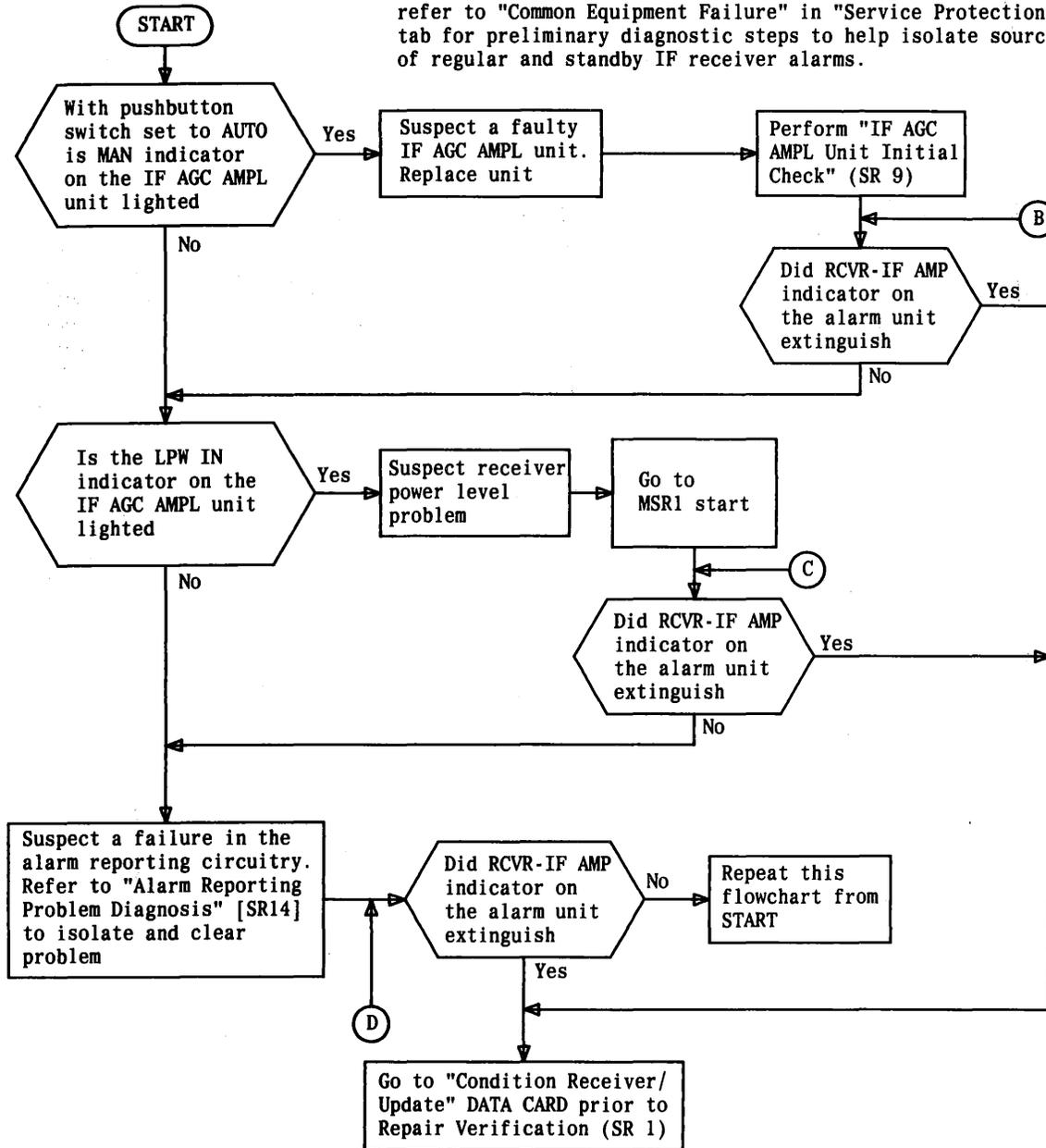
This practice is reissued to correct diagnostic charts MR 1 and MSR 1. The practice is used in binders 421-105-001, 421-105-001AC, 421-105-002AC, 421-105-003AC, 421-105-004AC, 421-105-080, 421-105-090, 421-105-100, 421-106-001, 421-106-001AC, 421-106-002AC, 421-106-003AC, 421-106-004AC, 421-106-020, 421-106-030, and 421-106-060.

ISSUING ORGANIZATION

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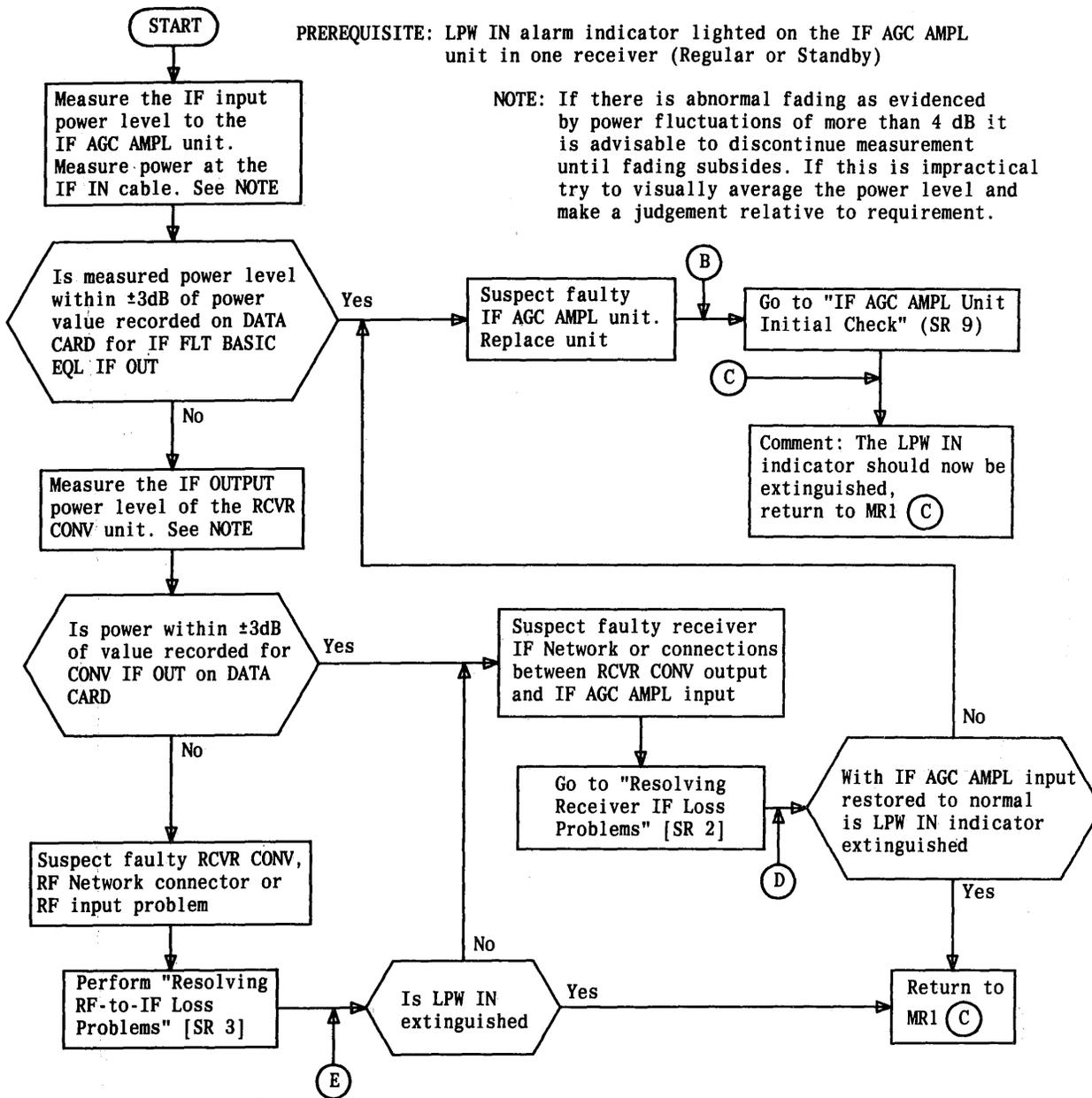
CAUTION: THIS PROCEDURE IS SERVICE-AFFECTING UNLESS THE PROPER MANUAL SWITCHING OPERATION HAS BEEN PERFORMED.

PREREQUISITE: RCVR IF AMP indicator lighted on ALARM/ALARM AND METER unit. Assumes only one IF receiver alarm (Regular or Standby). If there is more than one receiver alarmed refer to "Common Equipment Failure" in "Service Protection" tab for preliminary diagnostic steps to help isolate source of regular and standby IF receiver alarms.



MR 1—Receiver IF AMP Alarm Diagnosis

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MSR 1—Receiver IF AMPL LPW IN Alarm Diagnosis