

MAINTENANCE OVERVIEW

1. INTRODUCTION

1.01 This section provides general information on the TRW Vidar ITS System maintenance procedures and the TRW Vidar documentation for maintaining the ITS System. Table 1 lists the Vidar System Practices and the subject covered by each practice.

1.02 The information contained in Vidar maintenance practices is to be used by maintenance personnel for troubleshooting the ITS System. When malfunctions occur in the system, indications are provided in the form of error codes displayed on the CRT and printed on the printer, lighting of LEDs on the maintenance panel, and, in some cases, audible alarms.

1.03 The troubleshooting procedures are based on the use of the error codes as the primary trouble indication. The maintenance panel LEDs indicate that a major or minor alarm has occurred and indicate which system is active and which is in standby. Error codes provide the specific indication of the type of problem.

Table 1. TRW Vidar Maintenance Practices

Section Number	Subject/Equipment Covered
290-000-500	Maintenance Overview
290-000-501	Equipment Locations
290-000-502	Error Code List
290-000-503	System Diagnostics
290-000-504	System Controller - Maintenance
290-000-505	Memory Test Procedure
290-000-506	ITS Maintenance - Matrix Equipment
	Signal Processor
	System Restoral
	Master Clock
	Service Generator
	Time Slot Interchanger
	Line Group
	SATT ONI Equipment
	Multifrequency Senders and Receivers
	Path and Parity Error
	ITS Maintenance - Peripheral Equipment
	Magnetic Tape Recorder
	Magnetic Tape Cartridge
	VB3 Maintenance
290-000-507	Printer Maintenance
290-000-508	CRT Maintenance
290-000-508	Trunk Maintenance Testing
290-000-509	Preventive Maintenance Procedures
290-000-510	Equipment Numbers

2. MAINTENANCE CONCEPT

2.01 The general procedure for troubleshooting the ITS System is summarized in the following steps.

- (a) Note the error code displayed on the CRT or printer.
- (b) Look up the error code in Section 290-000-502 (error code list), which will refer you to the Vidar System Practice applicable to the trouble indicated.
- (c) Refer to the Vidar System Practice indicated and perform the troubleshooting procedures listed for the suspected equipment malfunction.
- (d) When the procedure indicates circuit pack replacement, follow the order of replacement listed. Continue with the procedure until the trouble is cleared and the system is restored to service.

CAUTION: Circuit packs should not be removed from an on-line (active) system. When a malfunction causes a system transfer, the active system switches to off-line status and then may switch back to standby. To replace circuit packs or perform other maintenance activities, make sure the system worked on is not active. If necessary, perform a manual transfer to place it in standby or off-line.

2.02 Maintenance assistance for the TRW Vidar ITS System may be obtained by contacting your area TRW Vidar field engineer or TRW Vidar Product Support Department, Mountain View, California, 94040, (415) 961-1000. After normal office hours, assistance may be obtained by calling the TRW Vidar 24-hour answering service (415) 961-3535.