

S E R V I C E N O T E

SUPERSEDES: NONE

E4205A, 155 Mb/s UTP-5 Line Interface**Serial Numbers:** CA35470100 / CA35470184**UTP-5 LIF may exhibit sporadic BIP errors.****To be performed by:** HP-qualified personnel**Parts Required:** E4205-69000**Situation:**

The BIP LED on the front panel of the UTP-5 LIF may flash occasionally indicating the presence of BIP errors.

This may occur even though the device under test is known to be good, when data transmission is PRBS23 traffic over a Category 5 unshielded twisted pair cable that is nearly 100 meters in length. One hundred meters is the maximum cable length allowed by the UTP-5 specification. The errors may occur using either of the "To NE" or the "To UE" ports connected to a device under test or to another UTP-5 LIF.

The symptom does not appear when the cable is used to loop a single UTP-5 LIF to itself, when using a shorter cable, or when using any traffic pattern other than PRBS23.

The symptoms are caused by a problem with the clock recovery circuitry in the LIF. The design has been changed and the factory will be modifying all modules returned for repair.

Continued

DATE: March 1997

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS: LABOR 1.0 Hours	
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> HP LOCATION	SERVICE INVENTORY: <input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS: <input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE		HP RESPONSIBLE UNTIL: March 1999
AUTHOR: HS	ENTITY: Z600	ADDITIONAL INFORMATION:	

Solution/Action:

Replace the module using the exchange part number.

The replacement module should be of revision 'B' or higher, as indicated on the serial number label.

These replacement modules will contain the correct clock recovery circuitry.

Modules with serial number CA3649xxxx or higher will not exhibit the symptoms.