

**TJ RADIO  
TRANSMITTER-RECEIVER BAY  
EQUIPMENT DESIGN REQUIREMENTS  
TOLL SYSTEMS**

**1. GENERAL**

**SCOPE**

**1.001** This addendum supplements Section 804-336-151, Issue 3.

**1.002** This addendum is issued to provide an isolated source of 117 volts ac for the transmitter automatic frequency control (AFC) circuit which will eliminate the impulse noise on the receiver, baseband output caused by the operation of the transmitter AFC circuit.

**1.003** The above changes are in accordance with SD-59769-01, Issue 26B.

The following changes apply to Part 1 of the section.

- (a) 1.05 — revised
- (b) 1.19 — revised

*Under 1.05*

*Add:*

In addition to the transmitter-receiver bay common power supply, an optional source of isolated 117 volts ac is available for the transmitter AFC circuit (see 5.04).

*Under 1.19*

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*Add:*

The power drain of the transmitter AFC circuit is 125 mA at 117 volts ac.

**3. DRAWINGS**

The following changes apply to Part 3 of the section.

*Under Equipment*

*Add:*

ED-54548-( ) — Power Distribution Panel  
LORAIN DC-to-AC Inverter, or Equivalent

**5. GENERAL NOTES**

The following changes apply to Part 5 of the section.

*Under 5.03*

*Add:*

**5.04** The isolated source of 117 volts ac for the transmitter AFC circuit may be a LORAIN, or equivalent, dc-to-ac inverter. It is recommended that two such inverters be provided per station, one for the regular and one for the diversity radio bays. One ED-54548-( ) power distribution panel will provide the interconnections for up to nine regular and nine diversity radio bays. The power inverters and the power distribution panel are miscellaneous mounted.

**NOTICE**

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