TMC SPECIFICATION

NO. s1331

REV: Ø

COMPILED: BG | CHECKED: JWR | APPD: | SHEET 1 OF 4

TITLE:

INSPECTION PRPEDURE

For

MF/HF COMMUNICATIONS
Console, RMPC-1

A. INTRODUCTION:

Unit 14A is part of a MF/HF Communications Console. Rack contains the interconnecting cabling for the associated modular units that comprise the Communication Console. The modular units are identified in Wiring Diagram CK8126. Refer to the wiring for cable termination.

B. Test Equipment Required:

1. Multemeter: Simpson 260, or equivalent
2. Wiring Diagram, CK8126

C. EQUIPMENT RACK CHECKOUT PROCEDURE:

1. Mechanical Visual Inspection
   Check each equipment rack for overall cleanliness. Check all threaded equipment mounting holes to insure proper threads for equipment mounting hardware.
2. Cable Identification
   Refer to Wiring Diagram and identify the cabling in accordance with the associated wiring diagram. Example:- The top unit in Rack is R390A Receiver. This unit is connected by cables marked (1),(2),(3) and 53. In turn, these cables mate to the R390A and P 1220. P 1220 connects to Unit-16E Spp40412.

CONTINUITY CHECKS

Set multimeter on ohms RXL Range
The cable is tested for continuity by connecting ohmmeter test lead to ground, the other meter test lead to a pin in the connector, the other end of the cable is prepared for test by using a short wire jumper, one end of which is connected to ground . The other end of the ground wire had a small alligator clip to make connection to the pin in the socket. Observe meter for a full scale deflection when continuity is achieved. At the completion of the continuity check, proceed to next protion of the test.

SHORT CIRCUIT CHECKS

Disconnect ground test wire from the connector at end of cable. Set simpson ohmmeter on RX10K Range, with one of the meter test leads grounded, connect the other test meter lead to each pin individually, and observe meter for infinity readings.

CABLE ROUTING SYSTEM

The general cable routing system can best be achieved by the Wiring Diagrams, observing the CA number and designations, the wire point of origination and the wire destinations terminating at the components in the various racks and with the continuity checks previously described. This greatly simplifies the final connections of the rack Communication Console.

TMC SPECIFICATION

NO. S 1331

REV:

COMPILED: | CHECKED: | APPD: | SHEET 4 OF 4

TITLE:

RMPC-1 (UNIT-14A)

CHECK OFF SHEET:

VISUAL CHECK:

Mechanical _____

Electrical _____

CABLE ROUTING: _____

CONTINUITY CHECK: _____

SHORT CIRCUIT CHECK: _____

NOTES:

Serial# _____ Tester _____

MFG# _____ Date _____

REVISION SHEET

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

S1331
LIST NO.

DATE	REV.	SHEET	EMN #	DESCRIPTION	APP.
2/19/74	Ø			ORIGINAL RELEASE	

TMC FORM MLR-1 2-65—AINS.