TECHNICAL REPORT
FOR INSTALLATION OF
C-6533(XE-2)/ARC ICS
IN
UH-1H HELICOPTER.

Prepared by,
J.A./Hnat

July 1980

American Electronic Laboratories, Inc.
Farmingdale, N.J.

for
U.S. ARMY AVIONICS RESEARCH AND DEVELOPMENT ACTIVITY
FORT MONMOUTH, NJ

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As Authorized by
CONTRACT NO. DAAK80-79-D-0256
DELIVERY ORDER 0012
CLIN 0002

American Electronic Laboratories, Inc.
Farmingdale, NJ

for
U.S. ARMY AVIONICS RESEARCH AND DEVELOPMENT ACTIVITY
FORT MONMOUTH, NJ
FOREWORD

The enclosed Technical Report has been prepared in accordance with the Statement of Work contained in Contract No. DAAKBO-79-D-0256, Delivery Order 0012, under CLIN 0002, for installation of C-6533(XE-2)/ARC ICS in helicopter, UH-1H S/N 66-894.
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1. SCOPE.

This report documents the results of the installation of the C-6533(XE-2)/ARC ICS in UH-1H helicopter. Installation was performed at the AEL, Inc., Monmouth County Airport facility.

2. DESIGN COORDINATION AND INSTALLATION.

Design of each installation was coordinated and approved by the Government. The mechanical and electrical installation drawings for the helicopter are attached as Appendix A of this report.

3. INSTALLATION

The new ICS system consisted of new cabling, new intercoms and helmets rewired with new microphones. All four crew stations of the helicopter were reconfigured with the new system. Existing cabling for the standard ICS system remained in the aircraft but was securely stowed for later restoration of the aircraft. The helmets (4) were rewired using separate jacks for headphones and microphone lines. Transmit and receive cables were installed in the aircraft with a minimum separation of one inch between cables. A junction box was fabricated and installed on the aft end of the console to house the fan-out terminal strips. Transmit and receive lines' separation was maintained in the junction box. During the test phase the on-board radios were used with the new ICS system.
PILOT AND CO PILOT HELMET WIRE ASSEMBLY