

DEPARTMENT OF THE ARMY
 PROGRAM EXECUTIVE OFFICER
 INTELLIGENCE AND ELECTRONIC WARFARE
 PROJECT MANAGER, RADAR
 FORT MONMOUTH, NEW JERSEY 07703-5000

MAINTENANCE BULLETIN

AN/TPQ-36 TRAILER		FILE NO. 130	REVISION
SUBJECT RADOME MAINTENANCE		DATE 10/01/90	CATEGORY PMCS
		SYSTEM AFFECTED ALL	

THIS BULLETIN APPLIES TO ALL SYSTEMS WITH ETCHED PAINTED RADOMES ANTENNA

1. REFERENCE:

SECTION III. PREVENTIVE MAINTENANCE CHECKS AND SERVICES, TM 5840-354-20-1 Organizational Maintenance Manual (Functional Description and Maintenance) for Radar Set AN/TPQ-36 (V).

2. PROBLEM:

Rain test results have indicated that the AN/TPQ-36 Radar System signal is attenuated during rainy weather.

3. SOLUTION:

Apply ARMORALL coating to the radome to prevent water sheeting on the radome antenna.

4. PROCEDURE:

**CAUTION
 DO NOT ARMORALL ON INTEGRAL COLOR
 (NEW SILICONE COATED) RADOMES
 CAUTION**

a. Clean Radome using water mixed with mild detergent. (Follow directions on detergent container for mixing ratio).

b. Allow Radome to dry completely.

APPROVED BY CHIEF LMD: *[Signature]*, PMFF DATE: 10/29/90

- c. Apply ARMORALL to a sponge or clean rag.
- d. Apply ARMORALL to the radome with sponge or clean rag in even coats across the radome.
- e. Wipe off any excess and allow to dry.

NOTE: First application may require more than one coat as ARMORALL "soaks in". Repeat to obtain an even distribution with no "dry" spots.

5. FREQUENCY OF APPLICATIONS:

Apply the ARMORALL coating quarterly or more often if it is observed that water does not bead up on the radome or the "dry" areas are evident.