

# METEOROLOGY

## UMK-3/TESS-3

- \_\_\_\_ 1. VISUAL INSPECT EQUIPMENT.
- \_\_\_\_ 2. RECEIVE DATA FROM SMQ-11.
- \_\_\_\_ 3. ENHANCE
- \_\_\_\_ 4. PRINT ON SYSTEM COLOR PRINTER.
- \_\_\_\_ 5. DEMONSTRATE SIPRENET ONNECTIVITY.
- \_\_\_\_ 6. DISPLAY DOWNLOADED DATA FROM SIPRENET.
- \_\_\_\_ 7. DEMONSTRATE MRS CONNECTIVITY.

## SMOOS

- \_\_\_\_ 1. VISUAL INSPECT SENSORS.
- \_\_\_\_ 2. ENSURE DATA IS DISPLAYED AT REMOTE DISPLAY AND ON TESS.
- \_\_\_\_ 3. RUN DISGNOSTICS.

## MRS/UMQ-12

- \_\_\_\_ 1. VISUAL INSPECT ANTENNAS - (GPS, WHIP AND OMNI).
- \_\_\_\_ 2. VISUAL INSPECT MRS UNIT.
- \_\_\_\_ 3. PERFORM POWER UP DIAGNOSTICS. ENSURE TEST RESULTS PRINT ON SYSTEM PRINTER AND TESS DISPLAY.
- \_\_\_\_ 4. PERFORM BALLOON LAUNCH - (GPS PERFERRED, BUT OMEGA IS ACCEPTABLE).

## SMQ-11

- \_\_\_\_ 1. VISUAL INSPECT GROUNDING, CABLES, BULBS AND HARDWARE.
- \_\_\_\_ 2. VISUAL INSPECT OE-360 ANTENNA.
- \_\_\_\_ 3. VERIFY OPERATION OF CUT-OFF BARREL SWITCHES (SINGLE AND 3 PHASE).
- \_\_\_\_ 4. VERIFY PMS PERFORMANCE (44941/64 Q3).
- \_\_\_\_ 5. PERFORM 3104 DIAGNOSTIC ON ANTENNA CONTROL (PERFORM TWICE TO VERIFY IF ANTENNA HAS GOOD SLEW RATES {13+/- 1 SEC} AND VISUALLY DETERMINE IF ANTENNA IS OSCILLATING IN AZIMUTH OR ELEVATION).
- \_\_\_\_ 6. PERFORM 4210 DIAGNOSTIC ON RECEIVER/DEMODLATOR. ENSURE OSCILLATOR DOES NOT LOSE LOCK UNTIL BELOW 162MHZ AND ABOVE 168MHZ.

- \_\_\_\_ 7. PERFORM DITI AND DIDM REF TESTS.
- \_\_\_\_ 8. UNDERWAY-PROGRAM PASSES: DMSP, TIROS AND GOES DISPLAY PASS ON SMQ-11 DISPLAY AND PRINT ON SMQ-11 LASER PRINTER.
- \_\_\_\_ 9. SEND DATA TO TESS FOR DISPLAY AND ENHANCEMENT.

**AN/UGC-143A(V) 1,2,3,4**

- \_\_\_\_ 1. PERFORM AN/UGC-143A(V) NST BIT "C" DIAGNOSTIC.
- \_\_\_\_ 2. INSPECT NST UNITS.
- \_\_\_\_ 3. INSPECT PRINT QUALITY.
- \_\_\_\_ 4. INSPECT SLIDE RAILS.

**AN/URA-17()**

- \_\_\_\_ 1. TEST TUNING INDICATOR CENTERING.
- \_\_\_\_ 2. TEST DISCRIMINATOR OPERATION.
- \_\_\_\_ 3. TEST KEYER FUNCTION.
- \_\_\_\_ 4. TEST SAFETY INTERLOCKS.
- \_\_\_\_ 5. CHECK CRT ALIGNMENT.

**HF RECEIVERS**

- \_\_\_\_ 1. MEASURE RECEIVER SENSITIVITY.
- \_\_\_\_ 2. TEST RECEIVER AGC CIRCUIT.
- \_\_\_\_ 3. TEST FREQUENCY LOCKING ACTION.
- \_\_\_\_ 4. INSPECT RECEIVER (LAMPS, CLEANLINESS, HARNESSSES).
- \_\_\_\_ 5. TEST OPERATIVE RECEIVER.
- \_\_\_\_ 6. INSPECT CHASSIS SLIDES.

**MISCELLANEOUS**

\_\_\_\_ DL ALARMS (if applicable)

\_\_\_\_ SHORTING PROBES

\_\_\_\_ ELECTRICAL SAFETY CHECKS

\_\_\_\_ SPACE INSPECTION (CLEANLINESS AND STORAGE)

**PATCH PANELS**

- \_\_\_\_ 1. VERIFY LABELS.
- \_\_\_\_ 2. INSPECT KNOBS.
- \_\_\_\_ 3. INSPECT INTERIOR.
- \_\_\_\_ 4. INSPECT SLOTS/PORTS.