



CNSL

READINESS STANDARDS GUIDE

INFORMATION WARFARE

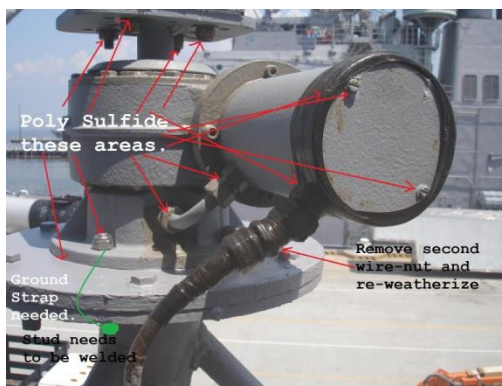


CURRENT ISSUES

Cryptologic Antennas

Component: OE-578 CEA Antenna Group

- Issue: Excessive corrosion on antennas and antenna mounts observed during assessments.
 - Perform PMS MIP 4954/020 MRC S-5. If antenna requires removal, preservation or additional cleaning perform MRC U-3. If replacing damaged or deteriorated weathering perform MRC U-5.



- Issue: OE-578 CEA Antenna group does not rotate or respond to remote commands.
 - Perform OE-578 Antenna Motion Checks by accomplishing PMS MIP 4954/020 MRC R-8.
 - If PMS fails contact NSSA Code 218.1



Component: AS/3606 AVK Antenna

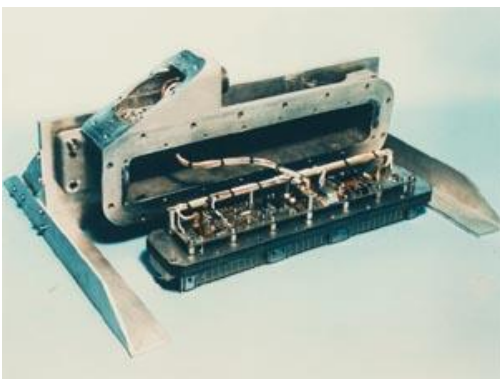
- Issue: Excessive corrosion on antennas and antenna mounts observed during assessments.
 - Depending on Ship Cryptologic Program of Record system perform the following PMS
 - AN/SRS-1 Perform MIP 4721/009 MRC M-1 and U-1 as necessary. Preserve antenna mount IAW shipboard policy.
 - AN/SSQ-124 Perform MIP 4721/055 MRC S-3 and U-3 as necessary. Preserve antenna mount IAW shipboard policy.
 - AN/SSQ-137 Perform MIP 4954/020 MRC's S-2, R-3A, and U-2 as necessary. Preserve antenna mount IAW shipboard policy.



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- Issue: Antenna gaskets are difficult to obtain through normal supply channels.
 - NAVICP developed a new NICN for this item order as follows: NICN 5331-LL-H93-5636, cog 1H, has been assign to this gasket: Cage code of 29355, part number 507512B.

Component: AS-3202 Deckedge Antennas

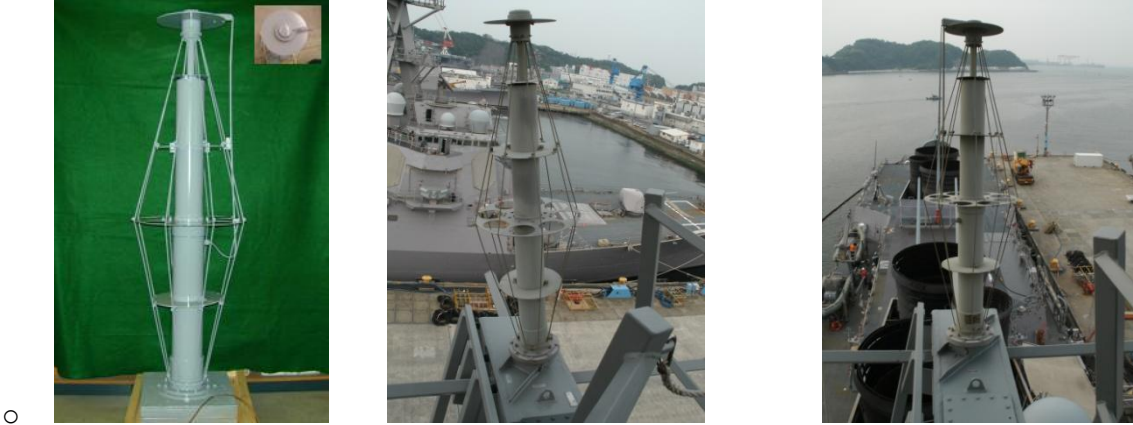
- Issue: Excessive corrosion on antennas and antenna mounts observed during assessments.
 - Depending on Ship Cryptologic Program of Record system perform the following PMS
 - AN/SRS-1 Perform MIP 4721/009 MRC S-5 and U-2 as necessary. Preserve antenna mount IAW shipboard policy.
 - AN/SSQ-124 Perform MIP 4721/055 MRC S-1 and U-1 as necessary. Preserve antenna mount IAW shipboard policy.
 - AN/SSQ-137 Perform MIP 4954/020 MRC S-4 and U-4 as necessary. Preserve antenna mount IAW shipboard policy.





Component: AS-2867B Antenna

- Issue: Excessive corrosion on antennas and antenna mounts observed during assessments.
 - Perform PMS MIP 4411/007 MRC A-1 or PMS MIP 4954/020 MRC R-1A.
 - If required schedule antenna for removal and overhaul IAW WFIP 507, DTG 041654ZMAY10.



Component: AS-145 (AS-4489/SQQ) Antennas

- Issue: Excessive corrosion on antennas and antenna mounts observed during assessments.
 - AN/SSQ-124 Perform MIP 4721/055 MRC S-4 and U-2 as necessary. Preserve antenna mount IAW shipboard policy.
 - AN/SSQ-137 Perform MIP 4954/020 MRC R-4A as necessary. Preserve antenna mount IAW shipboard policy.





Component: AS-4293 Antennas

- Issue: Excessive corrosion on antennas and antenna mounts observed during assessments.
 - AN/SSQ-137 Perform MIP 4954/020 MRC R-4A as necessary. Preserve antenna mount IAW shipboard policy.



Cryptologic Program of Record Systems

Component: AN/SSQ-137 SSEE INC E

- Issue: System performance not being verified prior to underway periods and or operational use.
 - Conduct HF and VHF/UHF Signal Inject Tests, by completing PMS MIP 4954/020 MRC R-8M or MRC R-10M depending on system configuration.
 - Perform RDF quick look with SESEF personnel while leaving port. Establish communications between SSES personnel and SESEF (Refer to SESEF STEM for site specific frequencies and call signs).
 - Schedule and perform DF Verification Test and SSEE INC E IO Operations Test PMS MIP 4954/020 MRC S-6 and S-7 respectively.
 - Document discrepancies on workcenters CSMP and contact NSSA code 218.1.

Component: AN/SSQ-124(V) COBLU

- Issue: System performance not being verified prior to underway periods and or operational use.
 - Conduct Systems Performance Test by perform PMS MIP 4721/055 MRC R-2W prior to getting underway, and weekly while in use.
 - Perform RDF quick look with SESEF personnel while leaving port. Establish communications between SSES personnel and SESEF (Refer to SESEF STEM for site specific frequencies and call signs).
 - Document discrepancies on workcenters CSMP and contact NSSA code 218.1.

Component: AN/SRS-1 CDF

- Issue: System performance not being verified prior to underway periods and or operational use.



- Perform Calibration Check, Acquisition Check, and BIT Test by completing PMS MIP 4721/009 MRC R-3/D.
- Perform Amplifier Confidence Check by completing PMS MIP 4721/009 MRC M-13R.
- Perform RDF quick look with SESEF personnel while leaving port. Establish communications between SSES personnel and SESEF (Refer to SESEF STEM for site specific frequencies and call signs).
- Document discrepancies on workcenters CSMP and contact NSSA code 218.1.

BEST PRACTICES

Best Practice NR₁

- Complete required maintenance when scheduled.

Best Practice NR₂

- Use non-ferrous mounting hardware for all antennas IAW applicable PMS.

Best Practice NR₃

- Attend NSSA sponsored COMMUNICATIONS INTELLIGENCE (COMINT) ELECTRONIC SURVEILLANCE /(ES) AND ELECTRONIC ATTACK (EA) ANTENNA MAINTAINERS COURSE DTG 011628Z SEP10.

Best Practice NR₄

- Attend CNSL sponsored Quarterly Waterfront CTM Symposiums.

REFERENCES

- WFIP 507, DTG 041654ZMAY10.
- COMMUNICATIONS INTELLIGENCE (COMINT) ELECTRONIC SURVEILLANCE /(ES) AND ELECTRONIC ATTACK (EA) ANTENNA MAINTAINERS COURSE DTG 011628Z SEP10.