

UNCLASSIFIED////

RAAUZYUW RUCOMFC9570 0561748-UUUU--RULSSEA.

ZNR UUUUU ZUI RUCOMCA1004 0561749

R 241854Z FEB 10 PSN 556196I32

FM COMNAVSEASYS COM WASHINGTON DC

TO ZEN/COMNAVSURFLANT NORFOLK VA

ZEN/COMNAVSURFOR SAN DIEGO CA

INFO RUCBCLF/COMUSFLTFORCOM NORFOLK VA

RUCOSSA/COMNAVAIRFOR SAN DIEGO CA

RUCOSSA/COMNAVAIRLANT NORFOLK VA

RULSSEA/COMNAVSEASYS COM WASHINGTON DC

ZEN/COMPACFLT PEARL HARBOR HI

ZEN/PRESINSURV NORFOLK VA

ZEN/NAVSURFWARCEN SHIPSYSENGSTA PHILADELPHIA PA ZEN/NAVSURFWARCENDIV PORT HUENEME

CA ZEN/NAVSURFWARCENDIV PANAMA CITY FL ZEN/NAVSURFWARCENDIV CORONA CA

ZEN/NAVSURFWARCENDIV DAHLGREN VA ZEN/COMSURFWARDEVGRU LITTLE CREEK VA

ZEN/NAVSEALOGCEN MECHANICSBURG PA ZEN/CENNAVENGINEERING NORFOLK VA

ZEN/COMNAVSUPSYSCOM MECHANICSBURG PA ZEN/NAVICP MECHANICSBURG PA PAGE 02

RUCOMFC9570 UNCLAS ZEN/COMCGRON SAN DIEGO CA ZEN/COMDDGRON NORFOLK VA

ZEN/COMFFGRON MAYPORT FL ZEN/COMLHD RON NORFOLK VA ZEN/COMLSDLPDRON SAN DIEGO CA

ZEN/COMNAVSAFECEN NORFOLK VA ZEN/SUPSHIP BATH ME ZEN/SUPSHIP GULF COAST MS

ZEN/NAVSHIPYD NORFOLK VA ZEN/NAVSHIPYD AND IMF PEARL HARBOR HI ZEN/SOUTHWEST RMC

SAN DIEGO CA ZEN/SOUTHEAST RMC MAYPORT FL ZEN/NAVSHIPREPFAC AND JAPAN RMC DET

SASEBO JA ZEN/NAVSHIPREPFAC AND JAPAN RMC YOKOSUKA JA ZEN/NAVSHIPYD AND IMF PUGET

SOUND WA ZEN/SHIPSUPPACT NORFOLK VA ZEN/SHIPSUPPACT NORFOLK DET NAPLES IT

ZEN/SHIPSUPPACT NORFOLK DET BAHRAIN ZEN/COMSC WASHINGTON DC BT PAGE 03

RUCOMFC9570 UNCLAS UNCLAS QQQQ

SIC: N04750

SUBJ: SURFACE FLEET ADVISORY NO. 10-01, ACCOMMODATION LADDER CHAIN UNCLASSIFIED//
PASS TO OFFICE CODES:

FM COMNAVSEASYS COM WASHINGTON DC//SEA21// TO COMNAVSURFLANT NORFOLK VA//N43/N7//

COMNAVSURFOR SAN DIEGO CA//N43/N7// INFO COMUSFLTFORCOM NORFOLK VA//N43/N7//

COMPACFLT PEARL HARBOR HI//N43/N7// PRESINSURV NORFOLK VA//00// COMNAVAIRFOR SAN

DIEGO CA//N43/N7// COMNAVAIRLANT NORFOLK VA//N43/N7// COMNAVSEASYS COM WASHINGTON

DC//21/21M/05/05D/05V/04RS/04Y// NAVSURFWARCEN SHIPSYSENGSTA PHILADELPHIA

PA//97/974/917// COMNAVSAFECEN NORFOLK VA//30// NAVSHIPYD AND IMF PEARL HARBOR

HI//400/1200// MSGID/GENADMIN/COMNAVSEASYS COM SEA21// SUBJ/SURFACE FLEET ADVISORY

NO. 10-01, ACCOMMODATION LADDER CHAIN PAGE 04 RUCOMFC9570 UNCLAS /BRIDLE

STRONGBACK FAILURE// REF/A/DESC:DOC/NAVSEA/09APR1985//

REF/B/DESC:DOC/NAVSEA/01DEC1961// REF/C/DESC:DOC/NAVSEA/16SEP1983// NARR/REF A IS

NAVSEA DWG 623-5921953 REV M, ACCOMMODATION LADDER INSTL AND DET. REF B IS

NAVSEA TYPE DWG 805-1749046 REV G, DAVIT, BRIDLE ARRG T AND STOWAGE. REF C IS

NAVSEA TYPE DWG 804-2255400 REV B, BRIDLE STOWAGE, BAIL BRACKET AND

ACCESSORIES.// POC/TOM GOUGH/CIV/SEA 21/LOC:WASHINGTON NAVY YARD/TEL:202-781-4434

/EMAIL:TOM.GOUGH(AT)NAVY.MIL// RMKS/1. THE PURPOSE OF THIS ADVISORY IS TO NOTIFY

ALCON OF ACCOMMODATION LADDER BRIDLE STRONGBACK FAILURE, UNAUTHORIZED MATERIAL

COMPOSITION OF STRONGBACK AND REQUIRED ACTIONS. THIS ADVISORY WAS DEVELOPED IN

RESPONSE TO CG 47 CLASS PLATFORM DISCREPANCIES. HOWEVER, OTHER SHIP CLASS

PLATFORMS MAY ALSO BE AFFECTED. TO DETERMINE IF MATERIAL ISSUE IS EVIDENT ON

OTHER CLASSES, REQUEST TYCOM DIRECT ALL SHIP CLASSES CONDUCT THE ACTIONS OUTLINED

IN PARA 3 THROUGH 8 OF THIS ADVISORY.

2. DURING A STATIC LOAD TEST OF THE CHAIN BRIDLE ASSEMBLY FOR A CG PLATFORM, THE BRIDLE STRONGBACK FAILED UNDER LOAD EXTENSIVELY PAGE 05 RUCOMFC9570 UNCLAS TEARING OUT THE WELDED JOINT CONNECTIONS. INVESTIGATION REVEALED THAT STRONGBACK WAS NOT THE CORRECT DESIGN FOR THE CG PLATFORM BECAUSE IT WAS FABRICATED FROM ALUMINUM ALLOY 6061-T6 VICE CARBON STEEL. CG PLATFORMS WERE OUTFITTED WITH STEEL STRONGBACKS PER PART NUMBER 1 OF REF A, WHICH REFERENCES BACK TO DETAIL C OF REF B.

FAILED STRONGBACK DESIGN WAS IDENTICAL TO PART NUMBER 9, ZONE 29-C OF REF C EXCEPT MATERIAL WAS CHANGED TO ALUMINUM ALLOY VICE CARBON STEEL.

3. BECAUSE OF STRONGBACK FAILURE AND MATERIAL FINDINGS, ALL SHIPS SHALL IMMEDIATELY INSPECT AND DETERMINE MATERIAL COMPOSITION OF SHIPBOARD STRONGBACKS. MAGNETIC PULL TEST WILL POSITIVELY IDENTIFY THE CARBON STEEL STRONGBACKS. IF MAGNETIC PULL IS NON-EXISTENT, STRONGBACK PROBABLY WILL BE ALUMINUM BUT MAY BE NON-MAGNETIC STAINLESS STEEL. WEIGHT OF STRONGBACK CAN HELP DETERMINE MATERIAL COMPOSITION. ESTIMATED WEIGHTS FOR STRONGBACKS ARE AS FOLLOWS: STEEL STRONGBACKS PER REFS B AND C ARE APPROX. 40 POUNDS, AND ALUMINUM STRONGBACK SIMILAR TO REF C IS APPROX 15 POUNDS. FOR POSITIVE IDENTIFICATION, A CHEMICAL ANALYSIS CAN BE CONDUCTED.

REQUEST ASSISTANCE OF REGIONAL MAINTENANCE CENTERS IF NEEDED.

4. STRONGBACKS THAT ARE IDENTIFIED AS ALUMINUM SHALL IMMEDIATELY BE PAGE 06 RUCOMFC9570 UNCLAS REMOVED FROM SERVICE. RETAIN ALUMINUM STRONGBACK ON BOARD UNTIL FURTHER NOTICE. WITH PERMANENT MARKER, LABEL STRONGBACK AS OUT OF SERVICE.

5. ACCOMMODATION LADDERS IDENTIFIED WITH ALUMINUM STRONGBACK ARE NOT SUITABLE FOR USE IN THE AT SEA ANCHORAGE POSITION (LOWER PLATFORM ATTACHED AND LADDER SUSPENDED BY CHAIN BRIDLE ASSEMBLY).

LADDERS WILL STILL HAVE THE CAPABILITY OF LANDING ON A BREASTING BARGE OR USED AS A BROW WHEN PIER SIDE.

6. SHIPS THAT HAVE AN OPERATIONAL COMMITMENT THAT REQUIRES THE ACCOMMODATION LADDER TO BE CONFIGURED WITH AN ALUMINUM STRONGBACK SHALL TAKE THE FOLLOWING ACTIONS:

A. INSPECT ALUMINUM STRONGBACK. VERIFY THAT STRONGBACK IS STRAIGHT, NOT DAMAGED OR DISTORTED. PERFORM VISUAL INSPECTION (VT) ON ALL WELDS. WELD INSPECTION SHALL BE ACCOMPLISHED BY 5X MAGNIFICATION VISUAL INSPECTION (VT) IN ACCORDANCE WITH NAVSEA TECHNICAL PUBLICATION T9074-AS-GIB-010/271. WELDS SHALL BE EVALUATED USING MIL-STD-2035A, CLASS 3 ACCEPTANCE CRITERIA. RECORDS OF INSPECTION SHALL BE IN ACCORDANCE WITH NAVSEA TECHNICAL PUBLICATION T9074-AS-GIB-010/271, SECTION 8.4. STRONGBACKS WHICH FAIL INSPECTION SHALL BE REMOVED FROM SERVICE.

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B. IF THE STRONGBACK PASSES INSPECTION, ACCOMMODATION LADDER USE SHALL BE RESTRICTED TO ONE PERSON ON THE LADDER AT ANY TIME. A SAFETY OBSERVER SHALL BE POSTED IN A POSITION WITH FULL VIEW OF THE ACCOMMODATION LADDER AT ALL TIMES PERSONNEL ARE ON THE LADDER AND SHALL CONTROL TRANSIT OF PERSONNEL.

7. SUBMIT A CASREP IF ALUMINUM STRONGBACKS ARE FOUND. IDENTIFY IMPACT OF ACCOMMODATION LADDER BEING OOC AND EFFECT ON EMERGENT OPERATIONAL COMMITMENTS. FOR SHIPS REQUIRING USE OF ALUMINUM STRONGBACK FOR OPERATIONAL COMMITMENTS, REPORT CONDITION OF STRONGBACK AND COMPLETION OF INSPECTION OF STRONGBACK PER PARAGRAPH 6A.

8. TO DETERMINE ROOT CAUSE, REQUEST SHIP'S FORCE PROVIDE, IF AVAILABLE, THE FOLLOWING INFORMATION IF ANY STRONGBACK MATERIAL DEFICIENCIES ARE DISCOVERED DURING INSPECTION:

A. HOW ALUMINUM STRONGBACK WAS OBTAINED

- B. IF PURCHASED, VENDOR OR MANUFACTURER SOURCE
- C. DATE OBTAINED OR PURCHASED
- D. COST OF PURCHASE

REQUEST SHIP INCLUDE IN TECHNICAL DESCRIPTION SECTION OF CASREP. IF DEFICIENCIES OTHER THAN INCORRECT MATERIAL ARE IDENTIFIED, DOCUMENT PAGE 08 RUCOMFC9570 UNCLAS VIA 2K AND DFS/CASREP IF NECESSARY.

- 9. NSWCCD-SSES AND SEA 21 WILL PROVIDE FURTHER INSTRUCTIONS FOR REPLACEMENT STRONGBACKS AND DISPOSITION OF ALUMINUM STRONGBACKS VIA SEPCOR. ECD FOR ISSUING FOLLOW ON GUIDANCE IS 31 MAR 2010.
- 10. THERE IS NO IMPACT TO TECH MANUALS, SUPPLY SUPPORT/APLS OR TRAINING; OSS DOES NOT APPLY TO THIS EQUIPMENT.
- 11. THIS ADVISORY WILL REMAIN IN EFFECT UNTIL INSPECTIONS AND ACTIONS OUTLINED IN PARAGRAPHS 3 THROUGH 8 ABOVE HAVE BEEN COMPLETED ON ALL SHIPS AND CANCELLED BY SEA 21.
- 12. ISE TECHNICAL POC IS ANTHONY VENTI (NSWCCD-SSES 974), DSN 443-7781, COMMERCIAL (215) 897-7781, E-MAIL: ANTHONY.VENTI(AT)NAVY.MIL.
- 13. NAVSEA 05Z44 TECHNICAL WARRANT HOLDER CONCURS WITH MESSAGE GUIDANCE.//
BT