## Sec. 118190

## DEPARTMENT OF THE NAVY

 USS DOLPHIN (AGSS 555)FLEET POST OFFICE
SAN FRANCISCO. CALIFORNIA 96663-3400
From: Commanding Officer, USS DOLPHIN (AGSS 555)
To: Director of Navy History (OP-09BH), Washington, DC
Subj: COMMAND HISTORY OF USS DOLPHIN (AGSS 555) FOR CY88
Ref: (a) OPNAVINST 5750.12D
Encl: (1) Command Composition and Organization
(2) Chronology
(3) Narrative
(4) Supporting Documents

1. Per reference (a), enclosures (1) through (4) are forwarded for calendar year 1988 .

2. USS DOLPHIN (AGSS 555) is a unique deep diving research submarine, designed to test advanced submarine structures and systems. She serves as a platform for underwater research at depths greater than previously possible with a vehicle of this type and size.
3. USS DOLPHIN's immediate superior in command is Commander, Submarine Development Group One, San Diego, California. DOLPHIN was commanded by Lieutenant Commander David W. Schreck, USN until 11 August, when he was relieved by Lieutenant Commander Wayne Peterson who reported from Commander, Submarine Group Nine where he was the Assistant to the Deputy Commander for Training and Readiness. Lieutenant Commander Schreck reported to Commander, Submarine Development Group One where he is awaiting retirement. USS DOLPHIN is homeported at San Diego, California, and is located at the Naval Ocean Systems Center (NOSC) there. For complete biographies of Lieutenant Commander Schreck and Lieutenant Commander Peterson see the Change of command Pamphlet in enclosure (4).

## CHRONOLOGY

01 JAN

19 JAN

27 JAN

08 MAR

16 MAR

25 APR

Continued the removal of the $B Q R-2 / B Q S-4$ Sonar System and installation of the AN/BQR-21 and integrated AN/BQS-4F EDM Sonar System.

Commenced Sea Trials for the AN/BQR-21 Sonar System. Sea Trials were completed on 20 January. DOLPHIN returned to port to drop off vender personnel then went to sea the same day to conduct ISE. During the ISE, DOLPHIN conducted Burial at Sea Services for Chief Electrician (SS) Phillip A. Lewis, USN (Retired), Yeoman's Mate First Class Robert C. Pangburn, USN (Retired) and Chief Hospital Corpsman Franklin R. Becker, USN (Retired). DOLPHIN returned to port on 23 January.

Departed San Diego to conduct Upper Ocean Turbulence experiments. The experiments had to be cancelled when DOLPHIN returned to port because of severe arcing in the Number 2 Diesel Generator. The arcing severely damaged the generator brush rigging which had to be manufactured and replaced. After repairs the Generator was load tested satisfactorily on 24 February. After testing Number 2 Generator, repairs commenced on Number 1 Generator which required cutting of the commutator. Number 1 Generator was tested satisfactorily on 2 March. DOLPHIN departed on Sea Trials on 3 March and returned to port on 4 March.

Departed San diego to conduct the Upper Ocean Turbulence experiments. More details are contained in enclosure (3). The ship returned to port on 14 March.

Departed San Diego to conduct ISE and to conduct a Port Visit in Long Beach, California. DOLPHIN arrived in Long Beach on 18 March and departed again on 21 March to arrive in San Diego on 22 March. Upon return to port the ship commenced a Ships Force Upkeep until 24 April.

While conducting Fast Cruise DOLPHIN experienced a runaway diesel engine. The damage to Number 1 Diesel Engine was severe enough to require replacement of the block. the size of the Detroit 12V71 engine block is too large to fit through the hatch, which necessitated a drydocking and a hull cut.

DOLPHIN moved to drydock in ARD 30 San Onofre for a hull cut to replace the damaged engine block. DOLPHIN left the drydock on 7 June to return to NOSC to complete repairs to Number 1 diesel Engine. Repairs were completed and conducted Dock Trials and Crew Certification on 22 and 23 June and Fast Cruise on 24 and 25 June. Sea Trials were conducted satisfactorily from 27 to 30 June. Upon return to port Experimental equipment was installed for the CLIPPER SHALE Phase Three project.

Commenced the CLIPPER SHALE Phase Three project. This consisted of three at sea periods and is explained in more detail in enclosure (3). CLIPPER SHALE testing was suspended on 30 July to make preparations for the Change of Command.

Lieutenant Commander Wayne Peterson relieved Lieutenant Commander David W. Schreck of command of USS DOLPHIN in ceremonies at NOSC pier Alpha.

DOLPHIN recommenced CLIPPER SHALE Phase Three testing in conjunction with continuing testing of the Vorticity Meter System, which was tested in 1987. for further details see enclosure (3). On 25 August, DOLPHIN made her 1000 th Dive. CLIPPER SHALE Phase Three testing was completed on 02 September and all equipment was removed. In the following inport period DOLPHIN completed an IMA upkeep and the High Frequency Obstacle Avoidance Sonar (HFOAS) System and the Wide Area Imaging System (WAIS), which are to become a permanent part of the DOLPHIN sensor suite, were installed.

DOLPHIN conducted a Fast Cruise then on 17 October commenced at sea testing of the HFOAS and WAIS systems. Further details are in enclosure (3). Testing was completed on 27 October. The WAIS system was removed for redesign and repair.

DOLPHIN commenced a Navigation Evaluation conducted by Commander Submarine Development Group ONE. The evaluation was completed on 10 November with DOLPHIN receiving a grade of Satisfactory.

## NARRATIVE

1. CLIPPER SHALE PROGRAM. The purpose of the CLIPPER SHALE system is to perform non-acoustic anti-submarine warfare. Phase One and Two testing were completed in 1987. Phase Three of the operation began in July through September 1988. Operations included six weeks at sea. Commencement of CLIPPER SHALE Phase Three was delayed due to a casualty to one of the ship's main engines. In spite of poor environmental conditions and equipment malfunctions, all test objectives were met and each of the respective trial directors expressed their complete satisfaction with the results achieved. For more information see CLIPPER SHALE Phase Three Operation Summary in enclosure (4).
2. OBSTACLE AVOIDANCE SONAR (OAS) SYSTEM AND WIDE AREA IMAGING SYSTEM. Testing of the HFOAS system produced excellent results. during testing the HFOAS did fail to transmit at maximum down angles. This problem was traced to the software and has since been solved. Overall results of the testing for OAS were evaluated as satisfactory with some post trial processing necessary to evaluate the system fully. Upon completion of the HFOAS testing DOLPHIN conducted a search for a downed SH-3H helicopter. DOLPHIN's search revealed several strong bottom contacts in the search area. DOLPHIN was unable to identify these contacts because the WAIS was out of commission. For more information, see Operations Summary in enclosure (4).
3. Pamphlet "The USS DOLPHIN ... a Research Submarine"
4. USS DOLPHIN Welcome Aboard Pamphlet
5. Change of Command Pamphlet
6. DOLPHIN Photo
7. CLIPPER SHALE, Phase Three, and Vorticity Meter Operations Summary
8. Obstacle Avoidance Sonar system and Wide Area Imaging System Operations Summary
9. SITREP for number one diesel engine casualty

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DEP PAM/EMPO MEIR, WY
NAVY DOARIK AI:
NAVAL STATION
comisearimi. (Unclassified upon removal of enclosure)
From: Senior Member, Pacific Board of Inspection and Survey
To: President, Board of Inspection and Survey
Subj: LNDERWAY MATERIAL INSPECTION USS DOPHIN (AGSS 555) (U)
Ref: (a) SM, INSURVPAC lir 4730 Ser DEW/C-190 of 14 JAN 88
Encl: (1) Complete Departmental Deficiency Listings (Section V)
(2) Information Section
10. Reference (a) was the official report issued by the INSURVPAC Board on subject inspection.
11. Attached is the Complete Departmental Deficiency Listings for that inspection, which should be appended to reference (a) as Section $V$ of enclosure (1). Enclosure (2) is attached to be appended to reference (a).


Distribution List:
COMNAVSEASYSCOM (2)
NAVSEASYSCOMHQ (SEA CE1-PA3, 921, 05N, 63, 06U)
NAVSEASYSCOMLQ (SEA 61) (2)
COMNAVSPAWARSYSCOM (Code 501A/4604)
NAVSUPSYSCOMHQ (SLP 30, 0312)
CINCPACFLT (2)
COMSUBPAC
CO DOLPHIN (AGSS-555) (3)
COMNAVSHIPYD MARE ISLAND NAVAL SHIPYARD
NAVSEADET (SUEMEPP)
NAVSAFECEN
NUSCDET NEON LAB
NUSCDET NT LAB


ALTHOUGH INDIVIDUAL DEFICIENCIES MAY BE UNCLASSIFIED WHEN COMPILED AS ONE DOCUMENT, THE COMPLETE LISTING IS CLASSIFIED AS CONFIDENTIAL BECAUSE IT DESCRIBES IN FL THE MISSION CAPABILITIES OF THE SHIP.

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CLASSSIFIED BY: MULTIPLE SOURCES
DECLASSIFY ON: OADR
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4730/1S/mh Ser LCH/C-002 21 JAN 1988
Distribution List Cont.:
INSURVLANT NAVSEACENLANT NAVSEACENPAC NAVSHIPWPNSYSENGSTA NAVSHIPWPNSYSENGSTA NORDET NAVSEACOMBATSYSENGSTA
NAVSSES (SSES OO)
NAVSHIPRANDCEN ANNAPOLIS LAB NAVELEXSYSENGCEN PTSMOTH (Code OOA) DECLASSIFIED NAVELEXSYSENGCEN SDIEGO (Code OL)

USS OOLPHIN
1/19/88

## DECLASSIFIED

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RECOMMENDED REPAIRS
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CLASSIFICATION AND IDENTIFICATION
OF DEFICIENCY ITEMS

| DEPARTMENT | SYMBOL | PAGE |  |  |
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USS DOLPHIN
AGSS555
UMI OV 12/18/88
PAC
1G007EL
1G008ELS
1G009ELS
1G010EL
16011ELS
1G012ELS
1GC1zELUT NOT USED
1Gכ12ELO2S CABLE
                                    TOPSIDE
STERN LIGHT CABLE IS FLOODED.
```






| 16043 EL | UNDERWATER LOG 355 PHASED EQUIP |
| :---: | :---: |
|  | SHIPS FORCE REPORTS UNAGLE TO ACCOMPLISH PREVENTIVE MAINTENANCE ON U/W LOG 10-12 (18M-1R) DUE TO LACK OF ELECTROMAGNETIC VOLTAGE SIMULATOR. |
| 16044EL | IC CKT 2 PG <br> THE HIGH PRESSURE TRIM AND DRAIN PUMP 2PG TRANSDUCER IS INOPERATIVE. |
| 16045EL | HATCH INDICATION TOPSIDE |
|  | HATCH INDICATION CABLE IS FLOODED. |
| 16046ELS | DEX INDICATOR ENGINE ROOM |
|  | VALVE DEX-1 GPEN INDICATION AT ENGINE NR 1 CONTROL PANEL does not illuminate when valve is in the open position. |
| 16047EL | AN/WIC E-E PORT FR 28 |
|  | AN/WIC PWR SUPPLY INDICATING LAMP NR 2 IS INOPERATIVE. |
| 16048EL | IC CKT A CALL |
|  | the cable used is not the proper milspec durable caele for IC CIRCUIT CAPTAINS "A" CALL. |
| 26049EL | MN PROP MTR CUB <br> ERUL <br> THE MAIN PROPULSION MOTOR CUBICAL WAS INSPECTED AND THE |
|  | FOLLOWING DEFICIENCIES NOTED: <br> A. CUBICALS ARE OPEN BOTTOM DESIGN <br> 3. GUS WORK FASTENERS NUT ARE REVERSED. THE HALF-NUT |
|  | ShOULD $3 E$ AgAINST THE WORKING SURFACE AND THE FULL NOT USED TO LOCK THE HALF-NUT IN PLACE. <br> C. AUXILIARY CONTACT TERMINAL BOLT HAVE EXCEsSiVE théead ENGAGEMENT. |
| 26050EL | SWDS |
|  | THE LOCKING MECHANISM ON THE IC SWITCHBOARD DOORS REQUIRES PERSONNEL TO REACH ACROSS ENERGIZED COMPONENTS TO RELEASE THE MECHAINISM. |
| 2G051EL | HPAC INDICATION NR 1 AND 2 ERLL PORT |
|  | NR 1 AND NR 2 HIGH PRESSURE AIR COMPRESSOR OPERATING HOURS |
|  | meters do not accurately reflect equipment run time. OPERATING HOUR METERS ARE ENERGIZED FROM THE HPAC TEMPERATURE AUNITORING CIRCUIT INSTEAD JF THE UNITS MOTOR CONTROLLERS. |

```
ELECTRICAL
```

36052EL

36053EL
3ATTERY PORT AND STB 8ON COMPT LL
the port and starboard main storage batteries dere INSPECTED AND THE FOLLOWING DEFICIENCIES NOTED: A. PORT EATTERY CELL NR 29 IS JUMPERED OUT OF CIRCUIT. 3. STARGAORD BATTERY CELL NR 63 IS JUMPERED OUT OF CIRCUIT.

3GO54EL
CKT 31 MC
CONTROL ROOM
THE 31 MC CIRCUIT DOES NOT HAVE AN EMERGENGY BATTERY. EOTH NORMAL AND EMERGENCY POAER ARE FROM THE SAME SOURCE.

DECK COVEKING VARIOUS
Installed electrical grade deck covering throughout the SHIP IS INEFFECTIVE. THE DECK COVERINGS ARE BORDERED WITH METAL AND HAVE METAL PENETRATIONS.

HABITABILITY

| $1 \mathrm{G001H8S}$ | potable water co |
| :---: | :---: |
|  | POTABLE WATER CONNECTION IS NOT EQUIPPED WITH VACUUM BREAKER GACKFLON PREVENTER (REPEAT) |
| 16002H8 | SHIPGOARD LTG |
|  | there is inadequate red night lighting in berthing |
|  | EjPECIALLY NO NIGHT LIGHTING AT THE SANITARY |
|  | SOUNDING/BLOWING STATION AND IN THE SHIP'S HEAD AT SINKS. (REPEAT) |
| 16003 H | PUMP ROOM FLASH VARIOUS |
|  | INSULATION AND FLASHING IN PUMP ROOM OVERHEAD IS |
|  | deteriorated and reguires replacement. |
| 26004HE | SUBDECK COVERING |
|  | DAMAGED: |
|  | PASSAGEWAYS,MESSINGOLIVING VINYL TILE, VINYL OR <br> ELEGTRICAL GRADE SHEET |
|  | GSFS 534 |
| 26005 Ho | RAILING WARDROOM |
|  | NO LEE RAILS ON BERTHS NO CRABRAIL FOR UPPER BUNK. |
|  | INSUFFICIENT SOAP DISHES, TUMBLER HCLDERS TOOTHBRUSH |
|  | HOLDERS AHD TOWEL RACKS INSTALLED AT SINK. (REPEAT) |
| 3G006 HB | CREWS BERTHING <br> SHIP DOES NOT MEET HABITABILITY STANDARDS OF OPNAVINST |
|  | 9640.1 SPECIFICALLY: |
|  | A. ZUNKS 25\% BELOW NORMAL CREW, WARDROOM AND SCIENTIST COMPLIMENT CARRIED. |
|  | B. HANGING SPACE SORELY LACKING |
|  | C. LESS THAN 18 INCH CLEARANCE IN MANY BUNKS. |
|  | D. NO SEA bag storage |
|  | E. NO WRITING SURFACE OR SEATING AREA. |


| 1G001M0 | REFRIG TEMPS 1EOO VARIOUS |
| :---: | :---: |
|  | REFRIGERATED SPACES ARE NOT EQUIPPED WITH INTERNAL THERMOMETERS. |
| 1GUO2MD | E2UIP \& UTENSILS 1803 VARICUS |
|  | Handles avd blades of knives, spatulas, and other EQUIPMENT ARE VOT FKEE OF RUST, PITTING, CRACKS, WOOD |
|  | AND CREVICES. |
| 1 GOO MO | BRACKETS VARIOUS |
|  | ERACKETS FCR SECURING MEDICAL OXYGEN EOTTLES REQUIRED- |
| 1 SOO4MD | WTR SANIT SILL TEO3 |
|  | WATER SANITATION BILL NOT PROVIDED. B. BILL NOT CONSPECUOUSLY POSTED IN HOSE LOCKERS, (NAVMED P-5C10. ó-30). |
| 1 GOOSMD | SURGICAL LIGHTS <br> 4506 VARIOUS <br> ALTERNATE POSITION BRACKET NOT INSTALLED FOR SURGICAL |
|  | LIGHT. |
| 1 GOO OMD | PAPER TOWEL DISP 1AO1 VARIOUS |
|  | PAPER TOWEL DISPENSERS NOT PROVIDED IN FOOD SERVICE SPACES. |
| $1 \mathrm{G007110}$ | SANITATION 1500 VARIOUS |
|  | EQUIPMENT IS NCT FREE OF INACCESSIBLE SPACES WHERE MOISTURE OR SOIL MAY ACCUMULATE. EQUIPMENT IS NOT |
|  | INSTALLED $3^{\prime \prime}$ FROM BULKHEADS. DEEKS OR ADJACENT EQUIPMENT or completely sealed to the structures. |
| 1600810 | ANTIDJTE LKR VARIOUS |
|  | THE POISON ANTIDOTE LOCKER REQUIRES A METAL LABEL PiATE WITH 1/4" LETTERS SAYING "WARNING-POISON ANTIDOTE LOCKER. |



## DECLASSFFIED

PAC
MAIN PROPULSION


MAIN PROPULSION






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USS DOLPHIN
AGSS555
UMI ON 12/18/88
PAC MAIN PROPULSION
    1GO48MP FASTENERS F705
THERE ARE SHORT STUD FASTENERS ON MACHINERY AND PIPING
FLANGES IN THAT LESS THAN ONE THREAD OR MORE THAN TEN
THREADS ARE PROTRUDING BEYONO THE CROWN OF THE NUT.
(REF NSTM CHAP 75)
EXAMPLES ARE:
A. DIESEL EXHAUST CLEAN OUT COVERS.
3. PJRTA3LE wATER TANKS COVERS.
```

NAVIGATION.

PAC NAVIGATION

| 36009 vV | INTERLOCKS <br> ELECTRICAL INTERLOCKS ARE NOT INSTALLED ON THE FOLLOWING NAVIGATION EQUIPMENTS: <br> A. LORAN -G RADAR <br> B. OMESA <br> C. SATNAV (REPEAT) |
| :---: | :---: |
| 3GO10NV | fix accuracy <br> OMEGA FIXES, WHEN COMPARED TO SATNAV, LORAN-C RADAR AND <br> VISUAL, WERE IN ERROR SEYOND THE 3-4 NAVTICAL MILE <br> SPECIFICATICN. (ERRORS WERE 5-6 NAVTICAL MILES). (REPEAT) |
| 36011 NV | NAV LIGHTS <br> the side runnivg lights and masthead lights are not in COMPLIANCE WITH COLREG REGUIREMENTS IN THAT THE SIDE LIGHTS are forward of the masthead light. |
| 3 O 012 NV | NAV LIGHTS <br> the stern light is mounted cn the rudder thus its arc of VISIBILITY CHANGES WITA RUDDER MOVEMENT. EMERGENCY OVERTAKING LIGHT IS USED AS SUBSTITUTE STERN LIGHT. |

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USS DOLPHIN
1/19/88
AGSS555
UMI ON 12/18/88
OCCUPATIONAL SAFETY/HEALTH
\begin{tabular}{|c|c|}
\hline \(1 \mathrm{GOO1OHS}\) & \begin{tabular}{l}
heat stress mon. \\
INADEQUATE HEAT STRESS MONITORING PRCGRAM ABOARD \\
SHIP. SHIP USING SRF/NAVSEA/NEPMU/NRMC/NEHC SURVEY; \\
SHIP HAS NOT ROUTINELY PERFORMED REQUIRED
\end{tabular} \\
\hline & \begin{tabular}{l}
SURVEILLANCE OF KNOWN OR POTENTIAL HEAT STRESS AREAS. \\
CORREGTIONS REQUIRED IN ACCORDANCE WITH OPNAVINST 5100.2IJC, OPNAVINST C3501.2F (MUB 12.3), NAVMED P-5010-3 AND NAVMED
\end{tabular} \\
\hline & p-5052-5. \\
\hline \(1 \mathrm{GOO2OHS}\) & HEAT STRESS CTRL \\
\hline & SPACE SUPPLY AND EXHAUST VENTILATION VERY LOW AND NOT agle TO CONTROL HEAT STRESS. CORRECTIUNS NEEJED IN ACCORDANCE WITH OPNAVINST 5100.20C AND HVAC MANUAL 0938-018-0010. \\
\hline & LOWER LEVEL EiNGINE SPACE. \\
\hline 1GOO30HS & CHEMICAL HAZARD \\
\hline & CALCIUM HYPOCHLORITE LOCATED WHERE OIL, WATER, HYDRAULIC FLUIDS AND ACIDS STORED/USED. CORRECTIONS REQUIRED IN : ACCORDANCE WITH NSTM 533. \\
\hline \(1 \mathrm{GOO4OHS}\) & \begin{tabular}{l}
CHEMICAL HAZARD \\
IMPROPER STORAGE/HANOLING OF HAZARDOUS CHEMICALS.
\end{tabular} \\
\hline & CORRECTION REQUIRED IN ACCORDANCE WITH OPNAVINST 5100.19A, DOD HMIS AND NSTM 670. SPECIFIC DEFICIENCIES IDENTIFIED WERE: \\
\hline 160050 HS & \begin{tabular}{l}
EyE/fACE PROTECT \\
ABSENCE Of EMERGENGY EYEFLUSHING UNIT(S) WITH 15-MINUTE
\end{tabular} \\
\hline & CONTINOUS FLOW OF WATER FLUSHING CAPABILITY READILY AVAILABLE IN AREAS WITH HIGH PROBABILITY Of EYE/faCE EXPCSED TO INJURIOUS CAUSTIC/CORROSIVE/FLAMMABLE LIQUID \\
\hline & MATERIALS. CURRECTIONS REGUIRED IN ACCORDANCE WITH OPNAVISNT 510U.19A (SEC. 1030.5.B). \\
\hline 1GU060HS & RESPIRATORY PROT \\
\hline & INADEQUATE RESPIRATORY PROTECTION PROGRAM ABOARD SHIP. CORRECTIONS REQUIRED IN ACCORDANCE WITH OPNAVINST \\
\hline & \(5100.23 B\) AND OPNAVINST 5100.19A \\
\hline 160J70hs & PMS VAVOSH EQUIP \\
\hline & \begin{tabular}{l}
Below navosh equipment does not have adequate preventive MAINTENANCE COVERAGE: HYDRAULIC FLUID SPILL KIT \\
CORRECTIVE ACTIONS REQ IN ACCORDANCE NITH
\end{tabular} \\
\hline & OPNAVINST 5100.19AM NSMT O35 AND NSTM 670. \\
\hline
\end{tabular}


USS DOLPHIN


AGSS555
UMI ON 12/18/88
PAC
OCCUPATIONAL SAFETY/HEALTH

160140 H
hearing conserva
PERSONNEL HEALTH RECORDS NOT PROPERLY MAINTAINED REGARDING PROTECTIVE HEARING DEVICES ISSUED AND/OR CONSULTATION REGARDING STATUS OF HEARING IMPAIRMENT AND PROTECTION
NEEDED. CORRECTIONS REQUIRED IN ACCORDANCE NITH OPNAVINST 5100.233.
\(1 \mathrm{GO150H}\)
HAZARD MATERIAL
SUPPLY DEPARTMENT

SHIP DOES NOT HAVE A COMPLETE DOD HAZARDOUS MATERIAL
INFORIMATION SYSTEM (HIMIS) MICRO-FISCHE/PRINTOUT ONBJARD AS REQUIRED IN ACCORDANCE WITH NAVSUPINST 5100.27.
\[
\because \lll \lll \lll \lll<E N D \ggg \ggg \ggg \ggg>
\]
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USS DOLPHIN
AGSS555
UMI ON 12/18/88
PAC
1G0010PU AX/JRA-17
AN/BRA-17 HF ANTENNA RUNER IS CASREPT OUE TO UNITS
INABILITY TO HANOLE THE MAXIMUM TRANSMITTER POWER
THROUGHOUT THE FULL OPERATIONAL FREQUENGY RANGE. ALSO, IAW
THE TECHNICAL MANUAL THE BRA-17 CANNOT GE USED EELOW GMHZ
WITH CURRENT INSTALLED ANTENNA (12-FOOT AS-12ठ7 WHIP)
1GOO2OPU END SEAL GROUND CONNEGTOR CABLE TO THE END SEAL IS BROKEN. MAKING
3OTH EMERGENCY WHIP ANTENNAS (AT-741 AND AT-441)
INOPERATIVE. (CORRECTED)
1G0030PU AN/URT-23
THE HF TRANSMITTER DOES NOT HAVE LIMITED RANGE INTERCEPT
(LRI) INSTALLED.
1G0040PS WAVEGUIDE
WAVEGUIDE TO AN/SPS-53 RADAR HAS FOLLOWING DEFICIENCIES:
A. LOCATED IN POSITION SUBJECT TC DAMAGE BY
PERSONNEL GRABBING OR LEANING ON.
B. VALVE TO ESCAPE AIR MANIFOLD IS CONSTANTLY
PRESSIVG AGAINST IT.
C. PAINT IS PEELING OFF-NOT PRESERVED.
SHORTING PROBE

1. SHORTING PROSE NOT INSTALLED IN SPACE CONTAINING MAJOR
ELECTRONICS EQUIPMENT.
2. SHURTING PROBE NOT PLUGGED AT BASE OF HANDLE.
EXAMPLES:
A. SJNAR - PROGE NOT PLUGGED AT BASE OF HANDLE
B. RADIO - PROBE NOT INSTALLED IN SPACE
1G0060PS WARNING LABEL
EQUIPMENT DOES NOT HAVE A WARNING LASEL INDICATING MULTIPLE
POWER SOURCES.
EXAMPLES:
AN/SPS-53 RADAR REPEATER
WARNING SIGNS
3. "DANGER HIGH VOLTAGE" SIGN MISSING FROM ENTRANCE TO
RADIO.
4. "RADIO FREQUENCY (RF) HAZARD" SIGNS MISSING FROM
ENTRANCE TO RAOIO AND ON
RADAR CONTROL CONSOLE.
```



PAC
\begin{tabular}{|c|c|}
\hline 16001 SP & ```
SUG FOOD SRV
FOR SUBMARINES:
A REFRIGERATED MEAT THAW SPAGE IS NOT PROVIDED IN THE
GALLEY OR VICINITY OF GALLEY. GSFS 651D
``` \\
\hline 16002SP & GALLEY OVEN GALLEY OVEN DOOR GASKET IS deteriorated. (REPEAT) \\
\hline 16003 SP & \begin{tabular}{l}
SUBDECK CUVERING \\
the deck covering in the following submarine spaces is DAMAGED \\
PASSAGEWAYS, MESSING, IS AND AT EACH SIDE OF DOORS. \\
GSFS O34
\end{tabular} \\
\hline 16004 SP & \begin{tabular}{l}
GALLEK EQUIPMENT \\
the ships galley eguipment includes two food warmers-hot PLATE DESIGN WHIGH CONSISTENTLY GROUND OUT.
\end{tabular} \\
\hline 16005sp & \begin{tabular}{l}
deck in galley \\
DECK IN front of galley freezer is not rigid and flexes SUBSTANTIALLY WHEN STEPED ON.
\end{tabular} \\
\hline 1G006SP & \begin{tabular}{l}
sub dining time \\
A DINING FACILITY FOR CPO'S AND CREN COMBINED WITH A \\
SEPARATE DINING FACILITY FOR CFFICERS IS NOT PROVIDED.
\end{tabular} \\
\hline \(1 \mathrm{GuO7SP}\) & \begin{tabular}{l}
SUB GEN STOW \\
FOR SUBMARINES:
\end{tabular} \\
\hline & 1. GENERAL STOWAGE AIDS ARE INADEQUATE FOR QUANTITIES, AND TYPE HATERIAL STONED FOR REPAIR PARTS (GRATINGS ARE NOT REQUIRED IN DRY PROVISIONS STOREROOM.) GSFS ofo numerous storage sins du not have handles. \\
\hline 1G008sp & \begin{tabular}{l}
galley freezer \\
DRAIN FOR CONDENSER INSIDE FREEZER DOES NOT DRAIN PROPERLY.
\end{tabular} \\
\hline 16009SP & \begin{tabular}{l}
ICE MAKER \\
excessive condensation zuilds up on ice machine and orains ONTO DECK.
\end{tabular} \\
\hline 1GU1JSP & \begin{tabular}{l}
MILK DISPENSER \\
ICE SUILD UP INSIDE MILK DISPENSER EXCEEDS \(3 / 16\) INCH.
\end{tabular} \\
\hline
\end{tabular}

\section*{}

USS DOLPHIN AGSS555 UMI ON 12/18/88

PAC SUPPLY

\(\lll \lll \lll \lll E N D\rangle \ggg \ggg \ggg>\rangle\)

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SIGNAL EJECTOR FWD CCMPARTMENT
URO-25 FOR SIGNAL EJECTOR VALVES REQUIRES TNO TO FIVE SECONDS TO OPEN/SHUT:
A. the muzzle aall valve exceeds the specified CYCLE TIME.
3. SE-12 AND SE-13 HULL AND BUGKUP EQUALIZING VALVES OPERATE MORE QUICKLY THAN SPECIFIED TIME.

SIGNAL EJECTOR
SIGNAL EJEGTOR DRAIN TROUGH DOES NOT DRAIN TO HEMI-HEAD BILGE PROPERLY (REPEAT)

SIGNAL EJECTOR FWD COMPT
SIGNAL EJECTOR GAGES SE-001 AND SE-002 dERE REJECTED EY CALIBRATION FACILITY. GAGES ARE WELDED IVTO SUBSAFE PIPING.

AMMUNITION LKR FWD COMPT the ammunition locker is nut provided with a flood system (repeat)

SUPERSTRUCTURE VARIOUS
1. THERE IS LIGHT RUST ON APPROXIMATELY TwEnty PERCENT Of the SAIL STRUCTURAL MEMBERS.
2. there Is light surface rust in the area of the capstan MOTOR ACCESS.
3. The upper seal bridge access latch seal is not glued to the HATCH FOR APPRCXIMATELY FIFTY PERCENT OF THE DIAMETER.

ESCAPE APPLIANCE
Of the five appliances tested, three have deteriorated ZIPPER SEALS.
helu tfer kit
THE HELICOPTER TRANSFER KIT IS MISSING THE FOLLOWING ITEMS:
A. TIPS FOR THE HELICOPTER PASSENGER (NAVAIR DO-800-06) B. HELICOPTER EMERGENCY INFORMATION CARDS. (NAVSAFECENT 3730 SERIES)

SAIL SIDE DOOR
1. SAIL SIDE DOOR GASKET LEAKS WATER.
2. SIde dour gasket is not attched to the dour on the aft LOWER CORIER.

USS DOLPHIN

WEAPONS
16020wp
3OW DJME
3OW DOME TRANSISTION IS CRACKED AND CHUNKS ARE MISSING.
1 G021wp
LIfE LINE
LIfe line has corroded thimbles.
a. Stars indicate completion requirement.
(1) Single Starred Deficiencies: (*) Deficiencies wich significantly degrade a ship's ability to perform an assigned primary or secondary Required Operational Capability (ROC): Which represent General Safety, Mavigational Safety, Security, Fire Fighting; Hobitability operating and maintaining ship systems are Single Starred Deffciencies. Single Starred Deficiencies must be corrected or waived prior to delivery.
(2) Double Starred Deficiencies: (**) Double Starred Deffciencies are applicable only to those ships constructed, converted, or modernized with a separate fitting-out period assigned away from the building site. Such designation represents General Safety, Navigation Safety, Security, fire Fighting, Habitability, or Maintainability Deficiencies which would prevent crew from living on board safely and/or operating and maintaining ship systems for which the Navy has assumed responsibility. Incompleteness or inoperability of equipments or systems even though significantly affecting the ship's ability to perform her assigned mission is of itself, justification for double stars. Double Starred Deficiencies must be corrected before the ship is removed from the building site.
b. Arabic Numeral Part 1, Part 2, or Part 3 indicates importance.
(1) Part 1 -- Identifies those Deficiencies which will or are likely to:
(a) cause the ship to be unseaworthy:
(b) substantially reduce the ability of the ship to carry out her assigned mission;
(c) substantially reduce the effectiveness of personnel or essential material;
(d) cause serious injury to personnel or serious damage to important material;
(2) Part 2 -- Identifies less important Deficiencies not considered to be Part 1.
(3) Part 3 -- Identifies Deficiencies which are:
(a) beyond the current technical authority (e.g. GENSPECS) but are an essential for correction in future ship designs.
(b) not in compliance with current technical authority, but may be impractical and/or too costly.
C. K, \(G\), or \(A\) indicates responsibility.
(i) K -- In the Board's opinion identifies that deficiency which is the responsibility of the contractor to correct.
(2) G .- In the Board's opinion identifies that deficiency which is the responsibility of the government to correct.
(3) A -- Designates a recommended alteration.
d. Sequential Mumering. Arabic numerals are used for identification of deficiency item within each departmental grouping. The order of deficiency items within a departmental grouping does not necessarily indicate priority or importance.
e. \(U, S, M\) and \(R\) indicate significance.
(1) U -- Identifies a mission degrading item.
(2) S -- Identifies a safety item.
(3) \(M\)-- Identifies an item requiring unusual maintenance.
(4) R -- Identifies an item in reliability.
f. Departmental Cognizance. A combination of two letters is used to identify the dept having primary cognizance. These two letter symbols are shown on the deficiency listing.```

