

**1.0 BUOYANCY COMPENSATORS****General Notes**

(1): LIFE PRESERVERS AND BUOYANCY COMPENSATORS BOTH PROVIDE EMERGENCY ASCENT CAPABILITY. LIFE PRESERVERS ARE DESIGNED TO FLOAT AN UNCONSCIOUS DIVER IN A FACE UP POSITION ON THE SURFACE AND ARE MANDATORY FOR CERTAIN SEMI CLOSED AND CLOSED-CIRCUIT UBAs (MK16 AND LAR V). BUOYANCY COMPENSATORS (WITHOUT COUNTERWEIGHTS) ARE DESIGNED TO FLOAT AN UNCONSCIOUS DIVER ON THE SURFACE IN A HEADS UP VICE A FACE UP POSITION AND CAN BE USED IN SCUBA APPLICATIONS. USE OF COUNTERWEIGHTS IN AN APPROVED BUOYANCY COMPENSATOR WILL FLOAT AN UNCONSCIOUS DIVER IN A FACE UP POSITION ON THE SURFACE. USE OF A BUOYANCY COMPENSATOR WITH OR WITHOUT COUNTERWEIGHTS IS AT THE DISCRETION OF THE DIVING SUPERVISOR. LISTED BUOYANCY COMPENSATORS ARE NOT APPROVED FOR USE AS A LIFE PRESERVER REGARDLESS OF WHETHER COUNTER BALANCE WEIGHTS ARE UTILIZED OR NOT. FOR MORE INFORMATION REFER TO THE U.S. NAVY DIVE MANUAL, SS521-AG-PRO-010.

(2): BUOYANCY COMPENSATORS PREVIOUSLY LISTED ON THE ANU WERE TESTED UNDER LIFE PRESERVER CRITERIA AND SHOULD BE USED IN THEIR TESTED AND APPROVED CONFIGURATION. MODIFICATION OF PREVIOUSLY APPROVED BUOYANCY COMPENSATORS IS NOT AUTHORIZED. WHEN ORDERING BUOYANCY COMPENSATORS & LIFE PRESERVERS, PART NUMBERS SHOULD BE USED IN CONJUNCTION WITH THE DESIGNATION/MODEL IN ORDER TO RECEIVE THE CONFIGURATION THAT WAS TESTED AND AUTHORIZED FOR USE.

(3): THIS BUOYANCY COMPENSATOR HAS BEEN TESTED AND APPROVED FOR USE WITH BOTH SINGLE AND TWIN TANK CONFIGURATIONS.

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.0.1 CAT I Active	BUOYANCY COMPENSATOR	VARIOUS	VARIOUS	<p>General Notes: (1) (2) Apply. THE BUOYANCY COMPENSATOR MUST MEET ALL OF THE FOLLOWING REQUIREMENTS:</p> <p>(1) PROVIDE A MINIMUM OF 10 LBS POSITIVE BUOYANCY AT MAXIMUM DEPTH</p> <p>(2) FOR INTEGRATED WEIGHTS SYSTEMS THEY MUST BE DITCHABLE</p> <p>(3) POWER INFLATOR</p> <p>(4) HAVE AN ALTERNATIVE SOURCE OF INFLATION E.G. ORAL.</p> <p>THE MANUFACTURER'S LITERATURE MAY BE USED AS VERIFICATION OF POSITIVE BUOYANCY REQUIREMENT. COMMANDS ARE AUTHORIZED TO PURCHASE ANY BCD WHICH MEETS THESE REQUIREMENTS.</p> <p>NOTE: BCD POWER/ORAL INFLATORS WITH INTEGRATED 2ND STAGE REGULATOR ARE NOT AUTHORIZED FOR USE.</p> <p><i>* Admin Comments : Unknown - BCDs models/names and configurations are changing. 9/17/14 - Added not to clarify that inflators with integrated 2nd stage regulator is not authorized (this regulator has not been tested).</i></p> <p><i>Updated on: 9/17/2014 3:39:00 PM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.0.11 CAT I Active	BUOYANCY COMPENSATOR	COBHAM MISSION SYSTEMS (FORMERLY CARLETON TECHNOLOGIES INC.)	MK11 MOD 0 PN B50800	<p>General Notes: (1) (2) Apply. AUTHORIZED FOR USE WITH THE MK16 MOD 0 AND MOD 1 UBAs WITH AN APPROVED FULL FACE MASK TO 300 FSW.</p> <p>THE LUXFER 6.2 CUFT ALUMINUM SCUBA CYLINDER AND AQUA LUNG 3KSI MINI PRESSURE GAUGE (P/N 102810) IS AUTHORIZED FOR USE WITH THE MK11 AS AN ALTERNATE INFLATION SOURCE WHEN CONDUCTING TRAINING OR NON-INFLUENCE ORDINANCE DIVING OPERATIONS.</p>

				<p><b>* Admin Comments :</b> 10/31/02 - Added to the AMU List. Added authorization for LU.                      5/27/14 - Corrected tank size from 6.1 to 6.2 and added used of mini pressure gauge p/n 102810.                      Updated on: 5/27/2014 12:56:00 PM</p>
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**1.1 LIFE PRESERVERS**

**General Notes**

(1): LIFE PRESERVERS AND BUOYANCY COMPENSATORS BOTH PROVIDE EMERGENCY ASCENT CAPABILITY. LIFE PRESERVERS ARE DESIGNED TO FLOAT AN UNCONSCIOUS DIVER IN A FACE UP POSITION ON THE SURFACE AND ARE MANDATORY FOR CERTAIN SEMI CLOSED AND CLOSED-CIRCUIT UBAs (MK16 AND MK 25/LAR V). BUOYANCY COMPENSATORS (WITHOUT COUNTERWEIGHTS) ARE DESIGNED TO FLOAT AN UNCONSCIOUS DIVER ON THE SURFACE IN A HEADS UP VICE A FACE UP POSITION AND CAN BE USED IN SCUBA APPLICATIONS. USE OF COUNTERWEIGHTS IN AN APPROVED BUOYANCY COMPENSATOR WILL FLOAT AN UNCONSCIOUS DIVER IN A FACE UP POSITION ON THE SURFACE. USE OF A BUOYANCY COMPENSATOR WITH OR WITHOUT COUNTERWEIGHTS IS AT THE DISCRETION OF THE DIVING SUPERVISOR. FOR FURTHER INFORMATION REFER TO THE U.S. NAVY DIVE MANUAL, SS521-AG-PRO-010.

(2): BUOYANCY COMPENSATORS PREVIOUSLY LISTED ON THE ANU WERE TESTED UNDER LIFE PRESERVER CRITERIA AND SHOULD BE USED IN THEIR TESTED AND APPROVED CONFIGURATION. MODIFICATION OF PREVIOUSLY APPROVED BUOYANCY COMPENSATORS IS NOT AUTHORIZED.

(3): WHEN ORDERING BUOYANCY COMPENSATORS & LIFE PRESERVERS, PART NUMBERS SHOULD BE USED IN CONJUNCTION WITH THE DESIGNATION/MODEL IN ORDER TO RECEIVE THE CONFIGURATION THAT WAS TESTED AND AUTHORIZED FOR USE.

(4): CO2 CARTRIDGES SHALL BE SELECTED IN ACCORDANCE WITH OEM RECOMMENDATIONS.

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.1.1 CAT I Active	BUOYANCY COMPENSATOR	SEATEC	MILITARY SUNFISH, PRO BLACK CORDURA W/ INFLATOR PN 1040.08 PN 1040.09	General Notes: (1) (2) (3) (4) Apply. AUTHORIZED TO 190 FSW WITH L.P. AIR INFLATION SOURCE OTHER THAN CO2 CARTRIDGES. CHROME-PLATED BRASS INSERT (PN 2002.135) IS USED TO REPLACE PLASTIC INSERT (PN 2002-13) FOR THE INFLATOR MECHANISM. Updated on: 2/20/2015 9:59:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.1.2 CAT I Inactive	BUOYANCY COMPENSATOR	SONIFORM INC.	SF-1044 (FRONT MOUNTED)	General Notes: (1) (2) (3) Apply. NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE.  AUTHORIZED TO 190 FSW WITH L.P. AIR INFLATION SOURCE OTHER THAN CO2 CARTRIDGES.  * Admin Comments : 6/11/10 - Soniform acquired by SCUBAPRO in 1997. Updated on: 8/8/2012 8:00:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.1.3 CAT I Inactive	BUOYANCY COMPENSATOR	SCUBAPRO	MILITARY CLASSIC NT BLACK, JACKET TYPE PN 21-341-X00  * X00 DENOTES SIZE AND WILL VARY	General Notes: (1) (2) (3) Apply. NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE.  AUTHORIZED TO 190 FSW WITH L.P. AIR INFLATION SOURCE OTHER THAN CO2 CARTRIDGES.  * Admin Comments : 7/14/09 - Last manufactured Dec 1998.

Updated on: 8/8/2012 8:01:00 AM				
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.1.4 CAT I Active	BUOYANCY COMPENSATOR	AQUA LUNG	MILITARY YOKE STYLE PN 3940-50 PN 3940-00 (OLD)	General Notes: <b>(1) (2) (3) (4)</b> Apply. AUTHORIZED TO 190 FSW WITH L.P. AIR INFLATION SOURCE OTHER THAN CO2 CARTRIDGES.  * <b>Admin Comments</b> : 1997 - Upgraded to 3940-50 w/ an improved inflator & dump valve. Updated on: 2/20/2015 9:59:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.1.5 CAT I Active	BUOYANCY COMPENSATOR	DRAEGER	SHADOW LIFE VEST MK 7 MOD 0 PN 4056304	General Notes: <b>(1) (2) (3) (4)</b> Apply. MAGNETIC VERSION, AUTHORIZED TO 190 FSW WITH L.P. AIR INFLATION SOURCE OTHER THAN CO2 CARTRIDGES. CONFIGURED WITH AIR INFLATION CYLINDERS Updated on: 2/20/2015 9:59:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.1.6 CAT I Active	LIFE PRESERVER, LOW MAGNETIC SIGNATURE	DRAEGER	SHADOW LIFE VEST 806LM (MK 6 MOD 0) PN 4053603	General Notes: <b>(1) (2) (3) (4)</b> Apply. NON- MAGNETIC VERSION.  MK 6 MOD 0 IS THE NEW DESIGNATION FOR MODEL 806LM.  CONFIGURED FOR CO2 CARTRIDGES ONLY Updated on: 2/20/2015 9:59:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.1.7 CAT I Active	LIFE PRESERVER	AQUA LUNG	FENZY X-4 FENZY M-4 (OLD)	General Notes: <b>(1) (2) (3) (4)</b> Apply. FENZY M- 4 NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE.  AUTHORIZED TO 190 FSW.  AUTHORIZED REPLACEMENT FOR THE FENZY LIFE PRESERVER CYLINDER IS STEEL FENZY CYLINDER W/ VALVE(PN 850230). CYLINDERS WITH AG5 (5283) WHICH DO NOT HAVE THE MARKS ARS OR APL ON THE SIDE MAY BE USED UNTIL THEY ARE 10 YEARS OLD. Updated on: 2/20/2015 10:00:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.1.8 CAT I Inactive	LIFE PRESERVER	SONIFORM INC.	MK 4 PN 5050-000 OR DWG# 592-6383528-1	General Notes: <b>(1) (2) (3)</b> Apply. NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE.  AUTHORIZED TO 200 FSW FOR MK16 OPERATIONS.  AUTHORIZED TO 190 FSW FOR SPECWAR MK 16 UBA AND OPEN CIRCUIT SCUBA OPERATIONS. FOR SPECWAR MK 16 UBA AND OPEN CIRCUIT SCUBA OPERATIONS FOUR (4) 25-28 MIL-C-25369 TYPE I CARTRIDGES (9C 4220-00-372-0585) MAY BE USED IN LIEU OF FOUR (4) 30-34 GRAM CARTRIDGES.  SONIFORM PNEUMATIC INFLATOR MAY BE USED TO CONVERT THE LIFE PRESERVER TO A BUOYANCY COMPENSATOR.  * <b>Admin Comments</b> : 8/23/10 - Changed to "Inactive". Soniform no longer in business (purchased by Scubapro in 1998). 12/21/10 - Removed references to EOD MK15 EOD operations (MK15 no longer used, mk4 no longer used by EOD). Updated on: 8/8/2012 8:01:00 AM

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.1.9 CAT I Inactive	LIFE PRESERVER	B/E AEROSPACE (SMR TECHNOLOGIES ENGINEERED RUBBER PRODUCTS)  RFI (OLDER EDITIONS)	MODIFIED UDT LIFE PRESERVER PN 110669	General Notes: <b>(1) (2) (3)</b> Apply. NO LONGER MANUFACTURERD BUT STILL AUTHORIZED FOR USE.  AUTHORIZED TO 130 FSW WHEN USED WITH TWO 38 GRAM CO2 CARTRIDGES. TO ENSURE THAT THE LIFE JACKET DOES NOT OVER INFLATE AT DEPTHS SHALLOWER THAN 33 FSW, PULL ONE ACTUATOR AT A TIME.  THE RUBBER SLEEVE CHECK VALVE SERVES NO USEFUL PURPOSE AND SHALL BE REMOVED PERMANENTLY FROM THESE LIFE PRESERVERS.  THE MODIFIED UDT IS AUTHORIZED WITH ROBERT'S VALVE 840AM (NSN 9C 4220-01-356-8233) /AMS (NSN 9C 4220-01-457-1288) IN CONJUNCTION WITH SEATEC CO2 CARTRIDGE 9C-4220-01-045-5645 SMR PART NUMBER: 5SV1049, OLD B.F. GOODRICH NUMBER: 82-63-1013-02-1 <i>Updated on: 10/28/2013 2:21:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.1.10 CAT I Active	LIFE PRESERVER	DRAEGER	SECUMAR TSK 2/42 LIFE JACKET PN 4056590 (W/O CYL ASSY)	General Notes: <b>(1) (2) (3) (4)</b> Apply. AUTHORIZED FOR USE WITH LAR V ONLY, MAXIMUM DEPTH OF 50 FSW.  IAW NEDU TL 10-05 3963/TA01-13, SER 03/132 DTD 02 JULY 2010, THE MAX ALLOWABLE FIXED WEIGHT OF ACCESSORY GEAR SHALL BE NO MORE THAN 13.1 LBS FOR MK 25 MOD 2.  <i>* Admin Comments : 12/21/10 - Added notations IAW NEDU TL 10-05 3963/TA01-13, Ser 03/132 dtd 02 July 2010.</i>  <i>Updated on: 2/20/2015 10:00:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.1.11 CAT I Active	LIFE PRESERVER	MUSTANG SURVIVAL	UDT LIFE VEST MUSTANG PN MD1122	General Notes: <b>(1) (2) (3) (4)</b> Apply. AUTHORIZED FOR SURFACE SWIMMING AND FOR SCUBA TO 33 FSW ONLY.  <i>* Admin Comments : 1/20/10 - Halkey-Roberts Valve 540 AM and 25 gram CO2 cartridge authorized for use with the UDT.</i>  <i>9/26/2013 - MIL-L-16383 has been canceled and removed from this listing. This is now a COTS item.</i>  <i>6/25/2015 - Notes on the rubber sleeve check valve and Halkey-Roberts inflator 840AMSBC4 have been removed. this is now a COTS item and will be controlled via the AMU configuration change process.</i> <i>Updated on: 6/25/2015 1:19:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.1.12 CAT I Inactive	BUOYANCY COMPENSATOR	SCUBAPRO	SEAHAWK MODEL 21.411	General Notes: <b>(1) (2) (3)</b> Apply. NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE.  AUTHORIZED TO 190 FSW WITH L.P. AIR INFLATION SOURCE OTHER THAN CO2 CARTRIDGES.

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
				<p><i>* Admin Comments : 7/14/09 - Manufacturer POC updated. Last manufactured Nov 1997. Updated on: 8/8/2012 8:01:00 AM</i></p>
1.1.13 CAT I Active	BUOYANCY JACKET	AQUA LUNG	ATLANTIS PN 762950 (W/ ORAL INFLATOR, W/ CYLS) PN 769960 (W/ ORAL INFLATOR, W/O CYLS)	<p>General Notes: <b>(1) (2) (3) (4)</b> Apply. AUTHORIZED FOR USE WITH THE MK25 MOD 2 UBA TO A MAXIMUM DEPTH OF 50 FSW.</p> <p>AUTHORIZED FOR USE WITH SCUBA TO A MAXIMUM DEPTH OF 190 FSW WHEN EQUIPPED WITH POWER INLTATOR (OPEN CIRCUIT KIT, PN 394091).</p> <p>IAW NEDU TL 10-05 3963/TA01-13, SER 03/132 DTD 02 JULY 2010, THE MAX ALLOWABLE FIXED WEIGHT OF ACCESSORY GEAR SHALL BE NO MORE THAN 18.3 LBS FOR SCUBA &amp; 17.8 LBS FOR MK 25 MOD 2.</p> <p>CONTAINMENT COLLAR, PN 762961, AUTHORIZED FOR USE. FOLLOW OEM PROCEDURES WHEN INSTALLING COLLAR TO ENSURE THE LIFE PRESERVER CAN STILL BE FULLLY ORALLY INFLATED PRIOR TO USE.</p> <p><i>* Admin Comments : 12/21/10 - Added notations IAW NEDU TL 10-05 3963/TA01-13, Ser 03/132 dtd 02 July 2010. 2/23/2015 - Authorized use of Containment Collar, PN 762961. Updated on: 2/23/2015 1:28:00 PM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.1.14 CAT I Active	LIFE PRESERVER, COMNAVSEASYS COM CONTROLLED ITEM	AQUA LUNG	COMBAT SWIMMER ASSAULT VEST (CSAV) PN 769100 (M/L) PN 769104 (L/XL)	<p>General Notes: <b>(1) (3) (4)</b> Apply. AUTHORIZED FOR USE WITH THE MK-25 TO A MAXIMUM OF 50 FSW WITH 8 LB WEIGHT IN THE NONDETACHABLE LOWER BACK POUCH AND AN 8 LB WEIGHT IN DETACHABLE POUCHES MOUNTED AS LOW AND FAR REARWARD ON THE VEST AS POSSIBLE.</p> <p>AUTHORIZED FOR USE WITH THE MK-16 MOD 0/1 TO A MAXIMUM DEPTH OF 300 FSW. AT DEPTHS GREATER THAN 150 FT, TWO INFLATION CYLINDERS WITH A TOTAL COMBINED GAS CAPACITY OF AT LEAST 6.0 CUFT MUST BE INSTALLED.</p> <p>AUTHORIZED FOR USE WITH SCUBA TO A MAXIMUM DEPTH OF 190 FSW.</p> <p>APPROVED FOR USE WITH LOW PRESSURE INFLATION SYSTEM (PN 108615).</p> <p>IAW NEDU TL 10-05 3963/TA01-13, SER 03/132 DTD 02 JULY 2010, THE MAX ALLOWABLE FIXED WEIGHT OF ACCESSORY GEAR SHALL BE NO MORE THAN 17.7 LBS FOR SCUBA, 17.2 LBS FOR MK 25 MOD 2, &amp; 5.5 LBS FOR MK 16.</p> <p>NAVAL SEA SYSTEMS COMMAND CONTROLLED ITEM UNDER COMNAVSEASYS COM PMS NSW COGNIZANCE</p> <p><i>* Admin Comments : 6/16/09 - Manufacturer POC updated. 12/21/10 - Added IAW NEDU TL 10-05</i></p>

				3963/TA01-13, SER 03/132 dtd 02 July 2010 08/08/2012 - LPIS approved for use with the CSAV.  Updated on: 2/20/2015 10:00:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.1.15 CAT I Active	LIFE PRESERVER, MARCORSYSCOM CONTROLLED ITEM	AQUA LUNG	COMBATANT DIVER VEST (CDV) PN 769171 (W/ CYL) PN 769176 (W/O CYL)	General Notes: <b>(1) (3) (4)</b> Apply. USMC VERSION OF THE CSAV (#1.1.14).  AUTHORIZED FOR USE WITH THE MK-25 TO A MAXIMUM OF 50 FSW WITH 8 LB WEIGHT IN THE NONDETACHABLE LOWER BACK POUCH AND AN 8 LB WEIGHT IN DETACHABLE OUCHES MOUNTED AS LOW AND AS FAR REARWARD ON THE VEST AS POSSIBLE.  AUTHORIZED FOR USE WITH SCUBA TO A MAXIMUM DEPTH OF 190 FSW.  IAW NEDU TL 10-05 3960/TA01-13. SER 03/132 DTD 02 JULY 2010, THE MAX ALLOWABLE FIXED WEIGHT OF ACCESSORY GEAR SHALL BE NO MORE THAN 17.7 LBS FOR SCUBA & 17.2 LBS FOR MK 25 MOD 2.  CONTROLLED ITEM UNDER MARCORSYSCOM COGNIZANCE.  <i>* Admin Comments : 11/10/09 - Added to the AMU list. 07/17/12 - Added IAW NEDU TL 10-05 3963/TA01-13, SER 03/132 dtd 02 July 2010</i>  Updated on: 2/20/2015 10:01:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.1.16 CAT I Active	LIFE PRESERVER	AQUA LUNG	SAR-0484-00	General Notes: <b>(1) (3) (4)</b> Apply. FOR USE BY NDSTC AS ANCILLARY DIVING EQUIPMENT (SCUBA/UBA LIFE PRESERVER) IN THE NDTSC POOL ONLY. NOT INTENDED TO BE USED AS A BUOYANCY COMPENSATOR.  NOT AUTHORIZED FOR OPEN-WATER DIVING. USE AS A LIFE PRSERVER NOT ASSOCIATED WITH DIVING OPERATIONS IS OUTSIDE THE SCOPE OF THIS ANU LIST.  <i>* Admin Comments : 5/27/14 - Added to AMU List</i>  Updated on: 3/10/2017 10:28:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.1.17 CAT I Active	DIVE-ABLE PLATE CARRIER	FIRST SPEAR LLC	AEGR-38	General Notes: <b>(1) (3) (4)</b> Apply. PLATE CARRIER WITH INTEGRATED BUYOANCY COMPENSATOR AND LIFE PRESERVER.  AUTHORIZED FOR USE WITH AAC FROG UBA STRAP KIT  AUTHORIZED FOR USE WITH AAC INSTANT ADJUSTABLE BACK PANEL  AUTHORIZED FOR USE BY SOF COMMANDS WITH CC-UBA ONLY TO A DEPTH OF 50 FSW.  FOR MAINTAINING SPARES OF THE CUMERBUND TACTICAL AID TO FLOTATION (CTAF), THE SPECIFIC PN TO ORDER IS 300-15-00450.



			<p><b>* Admin Comments :</b> 12/1/2014 - Added to AMU List</p> <p>8/2/2016 - Added AAC FROG UBA STRAP KIT &amp; AAC INSTANT ADJUSTABLE BACK PANEL</p> <p>Updated on: 9/27/2016 8:33:00 AM</p>
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**1.2 CYLINDERS, MANIFOLDS AND BACKPACKS, SCUBA**

**General Notes**

**(1):** COMMANDS ARE AUTHORIZED TO PURCHASE COMMERCIALY AVAILABLE SCUBA CYLINDERS THAT MEET DOT SPECIFICATION TYPE 3AA OR 3AL, OR HAVE A DOT ISSUED SPECIAL PERMIT AUTHORIZING THEIR USE UNDERWATER. THE MINIMUM CYLINDER CAPACITY FOR A PRIMARY AIR SOURCE SHALL BE 50 CUFT AT RATED PRESSURE. DO NOT CHARGE A CYLINDER BEYOND THE LOWEST RATED COMPONENT IN THE SYSTEM IT IS TO BE USED WITH (E.G. IF USING A SCUBA YOKE STYLE 1ST STAGE REGULATOR THAT IS RATED FOR 3,000 PSIG DO NOT CHARGE THE CYLINDER ABOVE 3,000 PSIG EVEN IF THE CYLINDER IS RATED FOR A HIGHER PRESSURE).

**(2):** COMMANDS ARE AUTHORIZED TO PURCHASE COMMERCIALY AVAILABLE SCUBA CYLINDER BACKPACKS, CYLINDER BANDS AND HARNESSSES. THEY SHALL BE MAINTAINED IAW CURRENT PMS, AND MANUFACTURERS SPECIFICATIONS.

**(3):** COMMANDS ARE AUTHORIZED TO PURCHASE COMMERCIALY AVAILABLE SCUBA CYLINDER MANIFOLDS AND VALVES. MANIFOLDS, VALVES, AND RELIEF VALVE MECHANISMS SHALL BE PROPERLY MATCHED TO CYLINDERS WORKING PRESSURE TO ENSURE THE RELIEF VALVE (BLOW OUT PLUG) IS THE WEAKEST POINT IN THE SYSTEM.

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.2.1 CAT I Active	SCUBA CYLINDER	VARIOUS	DOT SPEC TYPE 3AL, 3AA, OR DOT SPECIAL PERMIT	<p>General Notes: <b>(1) (2) (3)</b> Apply. DOT SPECIAL PERMIT SHALL SPECIFY CYLINDER FOR USE IN UNDERWATER APPLICATIONS OR COMPLIANCE WITH DOT 3AA OR 3AL.</p> <p><b>* Admin Comments :</b> 2/18/2015 - Changed to cover all cylinder and assembly configurations under one category item.</p> <p>Updated on: 9/26/2016 9:44:00 AM</p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.2.18 CAT I Inactive	EGS CYLINDER, ALUMINUM	LUXFER	S-19 (19 CUFT) S-30 (30 CUFT)	<p>NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE.</p> <p>THESE FLASKS MAY BE USED WITH MK 20 OR MK 21 TO 60 FEET OF SEA WATER IN SITUATIONS WHERE ENCLOSED SPACE DIVING OR SALVAGE IS NOT BEING CONDUCTED. THE EXPECTED DURATIONS OF THE CYLINDERS AT 60 FSW IS FIVE MINUTES FOR THE 19 CUBIC FOOT (S-19), AND SEVEN MINUTES FOR THE 30 CUBIC FOOT (S-30).</p> <p>Updated on: 9/13/2012 1:15:00 PM</p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.2.19 CAT I Inactive	EGS CYLINDER, ALUMINUM	SHERWOOD	AL0030 (30 CUFT)	<p>NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE.</p> <p>THIS FLASK MAY BE USED WITH MK 20 OR MK 21 TO 60 FEET OF SEA WATER IN SITUATIONS WHERE ENCLOSED SPACE DIVING OR SALVAGE IS NOT BEING CONDUCTED THE EXPECTED DURATION OF THE CYLINDERS AT 60 FSW IS SEVEN MINUTES FOR THE 30 CUBIC FOOT</p>

(AL0030).

Updated on: 9/13/2012 1:16:00 PM

**1.3 REGULATORS, COLD WATER SERVICE****General Notes**

(1): AUTHORIZED TO 190 FSW FOR GENERAL SERVICE AND IN WATER TEMPERATURES BELOW 38°F, PER THE U.S. NAVY DIVE MANUAL, SS521-AG-PRO-010.

(2): FIRST STAGE REGULATORS SHALL BE EQUIPPED WITH AN ANTIFREEZE CAP AS REQUIRED BY THE MANUFACTURER FOR COLD WATER USE. CORRECT MAINTENANCE AND APPLICATION OF AN APPROVED LUBRICANT TO THE APPROPRIATE POINTS ARE ESSENTIAL TO SAFE COLD WATER OPERATIONS. PER THE U.S. NAVY DIVE MANUAL, SS521-AG-PRO-010, EXTRA PRECAUTIONS SHALL ALSO BE TAKEN TO ENSURE SCUBA CYLINDERS ARE COMPLETELY DRY INSIDE, THAT MOISTURE-FREE AIR IS USED AND THAT THE REGULATOR IS THOROUGHLY DRIED PRIOR TO USE.

(3): A COLD WATER APPROVED OCTOPUS SHALL ALSO BE FITTED TO THE 1ST STAGE OF ALL COLD WATER REGULATOR SYSTEMS.

(4): UNLESS OTHERWISE NOTED WITHIN THE ANU LIST, THE U.S. NAVY PLANNED MAINTENANCE SYSTEM, OR THE U.S. NAVY DIVE MANUAL (SS521-AG-PRO-010), THE MANUFACTURER'S OPERATION AND MAINTENANCE MANUAL SHALL BE FOLLOWED.

(5): REGULATORS FOR USE IN SURFACE-SUPPLIED EMERGENCY GAS SUPPLIES (EGS) CONFIGURATIONS SHALL BE APPROVED FOR THE OPERATIONAL ENVIRONMENT IN WHICH THEY WILL BE USED. SPECIAL ATTENTION SHOULD BE MADE FOR COLD WATER APPLICATIONS AND THE ANU REGULATOR'S ASSOCIATED TEMPERATURE LIMITATIONS.

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.3.8 CAT I Active	FULL FACE MASK & COLD WATER REGULATOR	INTERSPIRO	MK 20 MOD 0  MK 20 MOD 1	General Notes: (1) (2) (3) (4) Apply. THE MK 20 MOD 0/1 SHALL BE MATED WITH THE 1ST STAGE OF ANY ANU APPROVED COLD WATER REGULATOR.  REGARDLESS OF WATER TEMPERATURE, THE OVERBOTTOM MUST BE SET TO THE MK 20 2ND STAGE PRESSURE REQUIREMENTS.  APPROVED FOR USE WITH 1.5.8 & 1.5.9.  REFER TO MK 20 MOD 0/1 TECH MANUAL, SS600-AK-MM0-010, FOR FURTHER GUIDANCE.  <i>* Admin Comments : 1/25/11 - Materials alternate to gold silicon authorized.</i>  <i>12/18/13 - Changed model from Divator MK II FFM. Referenced Tech Manual.</i> <i>Updated on: 3/10/2017 10:30:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.3.13 CAT I Active	COLD WATER REGULATOR	POSEIDON	XSTREAM DEEP MK3 Assembly PN: 0100-000 1st Stage PN: 0110-000 2nd Stage PN: 0120-000 Octopus PN: 0100-003 Yoke Adapter PN: 2920	General Notes: (1) (2) (3) (4) Apply. THE OEM SERVICE MANUAL REQUIRES THE INTERMEDIATE PRESSURE BE SET TO 125 PSI. HOWEVER A HIGHER INTERMEDIATE PRESSURE SETTING IS AUTHORIZED IAW THE DIVE MANUAL WHEN CONFIGURED AS AN EMERGENCY GAS SUPPLY WITH A 50 TO 150 FOOT HOSE.  APPROVED FOR USE IN DIN



				<p>CONFIGURATION UP TO 300 BAR (4351 PSI)</p> <p>APPROVED FOR USE WITH YOKE ADAPTER UP TO 232 BAR (3365 PSI)</p> <p><i>* Admin Comments : 9/17/10 - Added to the AMU list IAW NEDU TR 10-01. 7/15/2014 - Corrected part numbers 1/28/2015 - Added Octopus PN 2/25/2015 - Added note for increasing IP when using as EGS based on correspondence with OEM. Updated on: 12/15/2016 12:57:00 PM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.3.16 CAT I Active	COLD WATER REGULATOR	MARES	ABYSS 22 NAVY II PN 416171 PN 416546 (Octopus)	<p>General Notes: <b>(1) (2) (3) (4)</b> Apply. APPROVED FOR USE IN YOKE CONFIGURATION UP TO 230 BAR (3335 PSI)</p> <p>APPROVED FOR USE WITH DIN ADAPTER UP TO 300 BAR (4351 PSI)</p> <p><i>* Admin Comments : 10/1/2014 - Added to AMU List 11/3/2014 - Added Octopus p/n. Same as primary regulator w/ longer hose. Updated on: 3/31/2017 10:01:00 AM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.3.17 CAT I Active	SCUBA ISOLATOR VALVE	ZEAGLE	ISOLATOR VALVE PN 330-0233	<p>General Notes: <b>(1) (4)</b> Apply. FOR USE IN BETWEEN THE INTERMEDIATE PRESSURE HOSE AND AN ANU APPROVED 2ND STAGE REGULATOR (PRIMARY AND OCTOPUS) AS A MEASURE TO PREVENT FREE FLOW, ESPECIALLY IN SWIFT AND COLD WATER ENVIRONMENTS.</p> <p>THE ISOLATION VALVE MITIGATES THE CONSEQUENCES OF A FREE FLOW EVENT AT THE 2ND STAGE BY ALLOWING THE DIVER TO SECURE AIR TO THE FREE-FLOWING REGULATOR, CONSERVING THE REMAINING AIR SOURCE. ONCE THE FREE-FLOWING REGULATOR IS PROPERLY SECURED, THE DIVER CAN UTILIZE THE OCTOPUS REGULATOR WITHOUT THE RISK OF RAPIDLY DEPLETING THE REMAINING AIR.</p> <p>IF DIVING PRIMARY AND OCTO ON INDEPENDENT 1ST STAGES, A LOW PRESSURE RELIEF IS REQUIRED ON EACH 1ST STAGE.</p> <p>AUTHORIZED FOR USE WITH ZEAGLE RELIEF VALVE PN 330-4905 OR EQUIVALENT 1ST STAGE OEM RECOMMENDED RELIEF VALVE.</p> <p><i>* Admin Comments : 10/22/2015 - Added to ANU 11/3/2015 - Corrected comments. LP relief valve only required when diving with primary and octo on independent 1st stages. 02/11/2016 - LP Relief note corrected. Updated on: 3/29/2018 3:20:00 PM</i></p>

**1.4 REGULATORS, GENERAL SERVICE**

**General Notes**

**(1):** AUTHORIZED TO 190 FSW AND IN 38° FAHRENHEIT WATER AND WARMER PER THE U.S. NAVY DIVE MANUAL (SS521-AG-PRO-010).

(2): UNLESS OTHERWISE NOTED WITHIN THE ANU LIST, THE U.S. NAVY PLANNED MAINTENANCE SYSTEM, OR THE U.S. NAVY DIVE MANUAL (SS521-AG-PRO-010), THE MANUFACTURER'S OPERATION AND MAINTENANCE MANUAL SHALL BE FOLLOWED.

(3): REGULATORS FOR USE IN SURFACE-SUPPLIED EMERGENCY GAS SUPPLIES (EGS) CONFIGURATIONS SHALL BE APPROVED FOR THE OPERATIONAL ENVIRONMENT IN WHICH THEY WILL BE USED. SPECIAL ATTENTION SHOULD BE MADE FOR COLD WATER APPLICATIONS AND THE ANU REGULATOR'S ASSOCIATED TEMPERATURE LIMITATIONS.

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.4.9 CAT I Active	GENERAL SERVICE REGULATOR	AQUA LUNG	Conshelf XIV PN 1081-00 (1st/2nd Stage Assembly) PN 1085-20 (Octopus)	<p>General Notes: (2) Apply. AUTHORIZED TO 190 FSW AND IN 50°F WATER AND WARMER.</p> <p>WITH THE INCLUSION OF AN ISOLATION VALVE (ANU ITEM 1.3.17), THIS REGULATOR IS AUTHORIZED TO 190 FSW IN 38 DEG F WATER AND WARMER.</p> <p>BOX BOTTOM PART NUMBERS 1085-50 OR 1049-22 AUTHORIZED.</p> <p>FOURTH PORT ADDED TO THE 1ST STAGE; THREE PORT VERSION OF THE 1ST STAGE NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE. WILL CONTINUE TO BE SUPPORTED BY THE MANUFACTURER.</p> <p>AUTHORIZED FOR USE WITH NITROX WITH THE AQUALUNG NITROX SERVICE KITS PN 108595 (1ST STAGE) AND PN 108596 (2ND STAGE). IAW THE DIVE MANUAL, SCUBA REGULATORS DESIGNATED FOR NITROX USE SHALL BE CLEANED AND MAINTAINED IAW MIL-STD-1330.</p> <p>FOR CONVERTING THE CONSHELF XIV SUPREME TO THE STANDARD CONSHELF XIV, REFER TO AQUA LUNG TECH BULLETIN 15-001a at: <a href="http://www.aqualung.com/militaryandprofessional/techlib.html">http://www.aqualung.com/militaryandprofessional/techlib.html</a></p> <p>APPROVED FOR USE UP TO 230 BAR (3335 PSI)</p> <p><i>* Admin Comments : 10/29/09 - 4th port version of the Conshelf XIV 1st stage Approved for Navy Use. 12/1/2014 - Added note authorizing use for nitrox. 6/5/15 - Corrected part number for 2nd stage Nitrox service kit. 8/26/2015 - Added Octopus. Added note for restricting to 50 deg water and warmer. 9/14/15 - Added Tech Bulletin 15-001a 10/27/15 - Added note allowing use with isolator valve down to 38 DEG F.</i></p> <p style="text-align: right;"><i>Updated on: 3/30/2017 3:01:00 PM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.4.19 CAT I Active	REGULATOR, DOUBLE HOSE	AQUA LUNG	MENTOR DOUBLE HOSE PN 1085-55	<p>General Notes: (2) Apply. FOR SOF NAVY SPECWAR TRAINING ONLY AT NAVAL SPECIAL WARFARE TRAINING CENTER (NSWC) FOR MK 25 CONFIDENCE TRAINING IN THE 25 FT FRESH WATER POOL. ONLY APPROVED IAW NEDU TL 01-06 &amp; TL 12-08.</p> <p>IAW NEDU TL 01-06, THE "TOP" OF THE FIRST STAGE OF THE REGULATOR SHOULD BE CLEARLY MARKED BY NSWC TO ENSURE THAT IT IS CORRECTLY INSTALLED ON THE SCUBA CYLINDER MANIFOLD AND THAT THE INHALATION HOSE IS ROUTED OVER THE DIVER'S RIGHT SHOULDER.</p> <p>AUTHORIZED FOR USE WITH REPLACEMENT HOSES (PN 108563). AUTHORIZED FOR USE WITH ALTERNATIVE CLAMPS THAT MEET THE FOLLOWING SPECS: .18-.275 WIDTH, 8" LENGTH, 50 LBS TENSILE STRENGTH, U/V RESISTANT. TWO CLAMPS PER HOSE</p>

				SHALL BE USED ON THE REGULATOR END AND ONE CLAMP PER HOSE ON THE MOUTHPIECE END (6 TOTAL).  * <b>Admin Comments</b> : 08/21/12 - Added to the AMU List with stipulations.  Updated on: 3/31/2014 2:06:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.4.23 CAT I Active	REGULATOR, DOUBLE HOSE	AQUA LUNG <b>Name</b> : Glenn Rubin <b>Phone</b> : 760-597-5089 <b>Email</b> : grubin@aqualung.com	MISTRAL P/N 125900	General Notes: (2) Apply. AUTHORIZED FOR USE BY NAVAL SPECIAL WARFARE CENTER TRAINING COMMANDS ONLY IN A POOL NO DEEPER THAN 25 FT.  AUTHORIZED FOR USE WITH PANDUIT CLAMPS (MCMASTER-CARR #7345K26 OR EQUIVALENT) FOR ATTACHING BREATHING HOSES AND THE MOUTHPIECE.  * <b>Admin Comments</b> : 8/19/15 - Added to ANU list Updated on: 8/15/2017 2:57:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.4.24 CAT I Active	CONNECTOR, SWIVEL FITTING	OMNISWIVEL <b>Name</b> : Joseph de Wit  <b>Phone</b> : 858-748-9442	SW-A SW-S	General Notes: (1) (2) Apply. FOR USE IN BETWEEN THE INTERMEDIATE PRESSURE HOSE AND AN ANU APPROVED 2ND STAGE REGULATOR (PRIMARY AND OCTOPUS)  * <b>Admin Comments</b> : Added to ANU List on 3/17/17 Updated on: 3/17/2017 2:52:00 PM

1.5 REGULATORS, SPECIAL SERVICE FULL FACE MASK				
NO General Notes				
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.5.1 CAT I Active	FULL FACE MASK, NATO CONTROLLED ITEM	BRITISH MILITARY	BRITISH MILITARY "WIDE VISION" FFM	AUTHORIZED FOR USE WITH ANU APPROVED REGULATORS.  * <b>Admin Comments</b> : 09/07/12 - Approved for use in 1989. Updated on: 3/10/2017 10:45:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.5.2 CAT I Active	FULL FACE MASK	CRESSI-SUB S.P.A.	CRESSI-SUB FFM PN KX750089	AUTHORIZED FOR USE WITH THE MK-16, MOUTH PIECE MATED TO THE MASK.  AUTHORIZED FOR THE SAME DEPTH AS THE OPEN CIRCUIT SCUBA REGULATOR THAT IS FITTED TO THE MASK.  * <b>Admin Comments</b> : 09/07/12 - Approved for use 1989. Updated on: 10/29/2013 10:04:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.5.4 CAT I Active	FULL FACE MASK, COMMERCIAL & NAVSEASYSKOM CONTROLLED ITEM FOR CERTIFIED UBA USE	KIRBY MORGAN DIVE SYSTEMS INC.	PN 805-010 (M-48 SUPERMASK W/O POD) PN 805-015 (SCUBA SOFTPOD W/ TILT-TO- PURGE)	AUTHORIZED FOR USE WITH THE VIPER, MK25 MOD 2, & MK 16 MOD 0/1 UBAS.  THE MASK REQUIRES DIFFERENT ADAPTORS/PODS FOR EACH UBA. CONTACT PMS NSW OR PMS EOD FOR FURTHER INFORMATION.  AUTHORIZED FOR USE WITH ANU SCUBA REGULATOR AND OCTOPUS AS PER THE TECHNICAL MANUAL. FOLLOW MANUAL FOR PROPER SCUBA REGULATOR INSTALLATION.  AUTHORIZED FOR USE IAW NEDU LTRS 3900 SER 02/083 DTD 21 APR 2006 AND

				<p>3963/TA01-13 SER 02/008 DTD 20 JAN 2010. CONTACT PMS NSW FOR FURTHER INFORMATION.</p> <p>AUTHORIZED FOR USE WITH MASK OR PODS INCLUDED IN ANU ITEM 1.5.10</p> <p><i>* Admin Comments : 06/02/08 - Removed. 10/22/08 - Reinstated by H. Stark 1/21/08 - Added PNs. 12/2/15 - Updated Notes for NSW 6/9/17 - Changed PN 800-048 to 805-015 Updated on: 6/9/2017 1:54:00 PM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.5.5 CAT I Active	FULL FACE MASK, MARCORSYSCOM CONTROLLED ITEM	KIRBY MORGAN DIVE SYSTEMS INC.	COMBAT DIVER FULL FACE MASK (CDFFM) PN 805-165 (MASK W/O SCUBA POD) PN 800-080 (MASK W/ SCUBA POD)	<p>USMC VERSION OF THE M 48 MASK. AUTHORIZED FOR USE WITH THE MK25 MOD 2. THE MASK REQUIRES DIFFERENT ADAPTORS/POD FOR EACH UBA. CONTACT MARCORSYSCOM FOR FURTHER INFORMATION.</p> <p>AUTHORIZED FOR USE WITH ANU SCUBA REGULATOR AND OCTOPUS AS PER THE TECHNICAL MANUAL. FOLLOW MANUAL FOR PROPER SCUBA REGULATOR INSTALLATION.</p> <p>AUTHORIZED WITH NEW FACE SEAL, P/N 810-017</p> <p><i>* Admin Comments : 8/19/09 - Added to the AMU list. 1/21/09 - Added PNs. 4/20/2015 - Authorized new face seal. Updated on: 3/10/2017 10:52:00 AM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.5.6 CAT I Active	FULL FACE MASK, MILITARY	NSWC-PCD, CODE E13  <i>Name : Kevin Jermyn Phone : 850.235.5412</i>	MK 24, MOD 0 PN 6696515-2	<p>AUTHORIZED FOR USE WITH THE MK 16 MOD 0/1 UBA.</p> <p>APPROVED FOR MODERATE WORK TO 150 FSW, AND LIGHT WORK TO 190 FSW ON AIR. APPROVED FOR HEAVY WORK TO 300 FSW ON 88/12 HEO2.</p> <p>AUTHORIZED IN ACCORDANCE WITH SS600-AT-OMI-010.</p> <p><i>* Admin Comments : 10/27/10 - Added to the AMU List. Updated on: 8/8/2013 2:34:00 PM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.5.7 CAT I Active	FULL FACE MASK	INTERSPIRO	MK 20 MOD 0 MK 20 MOD 1	<p>AUTHORIZED IAW THE UBA MK 20 MOD 0/1 TECHNICAL MANUAL, SS600-A-MMO-010.</p> <p>MOD 0 (POSITIVE PRESSURE) CONFIGURATION RECOMMENDED FOR ENCLOSED SPACE DIVING AND DIVING IN CATEGORY 3 CONTAMINATED WATER.</p> <p>MOD 1 (NON-POSITIVE PRESSURE) CONFIGURATION RECOMMENDED FOR DIVING IN SCUBA MODE WITH A LIMITED AIR SUPPLY.</p> <p>MK 20 MOD 0/1 AUTHORIZED TO 37 DEGREES FAHRENHEIT AND COLDER, WHEN MATED WITH THE 1ST STAGE OF ANY ANU APPROVED COLD WATER REGULATOR.</p> <p>APPROVED FOR USE WTTN ANU ITEM 1.5.8 AND 1.5.9.</p>

				<p><b>* Admin Comments :</b> 1/24/11 - Added to Section 1.6. Materials alternate to gold silicone authorized.</p> <p>12/18/13 - Changed model from Divator MK II FFM. Moved MK 20 MOD 0 and MK 20 MOD 1 formerly listed as item 1.7.2 and 1.7.3</p> <p>Updated on: 3/10/2017 10:54:00 AM</p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.5.8 CAT I Active	AMBIENT AIR BREATHING DEVICE	INTERSPIRO	DIVATOR HATCH PN 96 962-01	<p>THE INTERSPIRO HATCH IS A MODIFICATION TO THE DIVATOR MK II FFM THAT ALLOWS BREATHING OF AMBIENT AIR WHILE AT REST ON THE SURFACE.</p> <p>UNIT LEVEL MODIFICATION OF THE DIVATOR MK II FFM FACEPLAGE IS NOT AUTHORIZED.</p> <p>THE DIVATOR MK II FFM WITH INTERSPIRO HATCH IS AUTHORIZED TO 190 FSW AT OR BELOW 37° FAHRENHEIT WATER PER THE U.S. NAVY DIVE MANUAL, SS521-AG-PRO-010.</p> <p><b>* Admin Comments :</b> 08/16/12 - Added to the AMU List.</p> <p>Updated on: 8/14/2013 11:47:00 AM</p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.5.9 CAT I Active	AMBIENT AIR BREATHING DEVICE	OCEAN TECHNOLOGY SYSTEMS (OTS)	OTS-ABV-2 PN 920010-000 (Visor with ABV installed)	<p>THE OTS-ABV-2 IS A MODIFICATION TO THE DIVATOR MK II FFM THAT ALLOWS BREATHING OF AMBIENT AIR WHILE AT REST ON THE SURFACE.</p> <p>UNIT LEVEL MODIFICATION OF THE DIVATOR MK II FFM FACEPLAGE IS NOT AUTHORIZED.</p> <p>THE DIVATOR MK II FFM WITH OTS ABV-2 MODIFICATION IS AUTHORIZED TO 190 FSW AT OR BELOW 37° FAHRENHEIT WATER PER THE U.S. NAVY DIVE MANUAL, SS521-AG-PRO-010.</p> <p><b>* Admin Comments :</b> 08/16/12 - Added to the AMU List.</p> <p>Updated on: 8/5/2015 11:54:00 AM</p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.5.10 CAT I Active	FULL FACE MASK, CONTROLLED ITEM & NAVSEASYS COM CONTROLLED ITEM FOR CERTIFIED UBA USE	KIRBY MORGAN DIVE SYSTEMS INC.	PN 805-175 (MOD 1 MASK W/O POD) PN 805-095 (MK-16 SOFTPOD W/O TILT-TO-PURGE) PN 805-011 (REBREATHER POD W/SWITCHOVER AND SECONDARY REGULATOR)	<p>EOD (LO MU) VERSIONS OF THE KMS48 PODS.</p> <p>AUTHORIZED FOR USE WITH THE MK16 MOD 1 UBA. THE REBREATHER POD REQUIRES DIFFERENT ADAPTORS/PODS FOR EACH UBA. CONTACT PMS-408(EOD) FOR FURTHER INFORMATION.</p> <p>ALL PURCHASES REQUIRING LO MU FFM AND/OR PODS REQUIRE SCREENING AND SHALL BE ARRANGED THROUGH PMS-408 (EOD).</p> <p>AUTHORIZED WITH NEW FACE SEAL, P/N 810-017</p> <p><b>* Admin Comments :</b> 08/22/12 - Added to the AMU List. 4/30/2015 - Authorized new face seal. 12/2/2015 - Updated Notes along with M-48</p>

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
				<p><i>notes.</i>                      6/9/2017 - Changed PN 800-110 to PN 805-175 and 805-095. Added PN 805-011.                      Updated on: 6/13/2017 10:42:00 AM</p>
1.5.11 CAT I Inactive	AMBIENT AIR BREATHING DEVICE	TECH ONE, INC.	PN 55-300USN	<p>NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE.</p> <p>AMBIENT AIR BREATHING DEVICE (OR GILL VALVE) IS A MODIFICATION TO THE DIVATOR MK II FFM THAT ALLOWS BREATHING OF AMBIENT AIR WHILE AT REST ON SURFACE. LIMITED TO SCUBA APPLICATIONS.</p> <p>UNIT LEVEL MODIFICATION OF DIVATOR MK II FFM FACEPLATE NOT AUTHORIZED. THE DIVATOR MK-II FFM WITH GILL VALVE MOD IS AUTHORIZED TO 190 FSW AND 38 DEGREES FAHRENHEIT WATER OR WARMER.</p> <p><i>* Admin Comments : 04/06/10 - Confirmed that Tech One, Inc. is no longer in business. 08/21/12 - Moved from 1.5.1.1. Updated on: 8/21/2012 3:48:00 PM</i></p>

1.6 UBA SETS				
NO General Notes				
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.6.1 CAT I Active	LIGHTWEIGHT DIVING APPARATUS	INTERSPIRO	DIVATOR MK II, DP 1/2	<p>FORMALLY CLASS-CERTIFIED IAW DIVING ADVISORY 16-03. FOR FUTHER GUIDANCE, SEE TECHNICAL MANUAL NAVSEA SS510-AC-TMM-010, NAVSEA DRAWING 6699240 REV B AND THE PRE-SURVEY OUTLINE BOOKLET (PSOB).</p> <p>BELOW NOTES ARE FOR RECORDS ONLY TO MAINTAIN CURRENT OPERATIONS WHILE COMMANDS TRANSITION FROM ANU TO CLASS CERT IAW AIG 16-03                      *****                      CONTACT NAVSEA 00C32 PRIOR TO ORDERING A NEW DP1 SYSTEM IN ORDER TO ENSURE YOUR COMMAND HAD A COMPLETE LISTING OF PARTS THAT ARE REQUIRED/ALLOWED IN THE KIT.</p> <p>THE ADDITION OF A T-PIECE SECONDARY UMBILICAL ALLOWS TWO DIVERS TO USE THE SAME PANEL, WHICH CONVERTS THE DP1 INTO THE DP2. ALL TECHNICAL MANUALS REFER TO DP1.</p> <p>NOMI AUTHORIZED TO USE THE DP1 IN AN ALTERNATE CONFIGURATION IAW NAVSEA LETTER 3150 SER 022/0262 DTD 26 SEPT 2008.</p> <p>NAVAL BASE GUAM DIVE DETACHMENT AUTHORIZED USE OF THEIR FLASK RACK ASSEMBLY WITH THE DP SURFACE UNIT USING AIR CONNECTION ADAPTER IAW NAVSEA DWG 8663378. FLASK RACKS APPROVED FOR USE WITH CERTIFIED SYSTEMS SHALL BE MAINTAINED IAW SS521-AA-MAN-010, U.S. NAVY DIVING AND MANNED HYPERBARIC SYSTEMS CERTIFICATION MANUAL. THE MAXIMUM</p>



				<p>SUPPLY PRESSURE FOR THIS APPARATUS IS 4,350 PSI (300 BAR). A HIGHER PRESSURE AIR SOURCE SHALL NOT BE UTILIZED AS COULD RESULT IN INJUURY TO PERSONNEL OR DAMAGE TO EQUIPMENT.</p> <p>EGRESS MANIFOLD CONFIGURATION IS AUTHORIZED FOR USE IAW THE USN DIVE MANUAL.</p> <p>APPROVED FOR USE IN COLD WATER.</p> <p><i>* Admin Comments : 07/15/08 - Added 06/15/08 05/07/09 - AMU approved. 12/29/10 - Moved from Section 1.3 4/29/14 - Added egress manifold authorization. 5/11/2015 - NBG approval to use with certified flask rack assemblies. Updated on: 3/10/2017 10:58:00 AM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.6.2 CAT I Active	MK 25 MOD 2 UBA Panorama Nova Dive R Full Face Mask (FFM)	Draeger	T52730	<p>This ANU Items is only authorized for use with the MK25 MOD 2 The Panorama Nova R FFM with the MK 25 in T-Bit configuration met performance testing criteria with the following recommendations:</p> <p>a. The FFM bite mouthpiece always be used except when necessary for brief communication with surface tenders.</p> <p>b. For dive planning purposes, users be aware of the instances where the exhaust valve is most likely to exhaust gas from the FFM.</p> <p>c. The oral nasal mask and the "heavy" spring (Part Number T54059) always be used in the FFM as all recent testing was conducted with this in place.</p> <p><i>* Admin Comments : 10/18/18 - Added to ANU</i></p> <p><i>Updated on: 10/18/2018 8:52:00 AM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.6.3 CAT I Active	MK 25 MOD 2 UBA Panorama Nova Dive R FFM with CRYE- DRAEGER FFM Assembly	CRYE Associates, and DRAEGER Corp	Crye CG2DH-1-00-A001- CD with Draeger T52730	<p>These ANU Items is only authorized for use with the MK25 MOD 2 Additional Notes: The Panorama Nova R FFM with the MK 25 in T-Bit configuration met performance testing criteria with the following recommendations:</p> <p>a. The FFM bite mouthpiece always be used except when necessary for brief communication with surface tenders.</p> <p>b. For dive planning purposes, users be aware of the instances where the exhaust valve is most likely to exhaust gas from the FFM.</p> <p>c. The oral nasal mask and the "heavy" spring (Part Number T54059) always be used in the FFM as all recent testing was conducted with this in place.</p> <p><i>* Admin Comments : 10/18/18 - Added to ANU</i></p> <p><i>Updated on: 10/18/2018 8:59:00 AM</i></p>

## 1.7 NAVY DIVE COMPUTERS

### General Notes

(1): MAY PROVIDE SIGNIFICANT ADVANTAGE WHEN DIVING A MULT-LEVEL (VARIABLE DEPTH) DIVE. HOWEVER, WHEN DIVING A SINGLE DEPTH (SQUARE DIVE), THE NDC MAY PRESCRIBE DECOMPRESSION TIMES THAT ARE LONGER THAN THOSE FOUND IN THE DIVE TABLES.

(2): DIVER QUALIFICATION/COMPLETION OF TRAINING FOR THE OPERATION AND MAINTENANCE OF THE NDC SHALL BE DOCUMENTED IN WRITING BY THE COMMANDING OFFICER.

(3): NOT AUTHORIZED FOR ALTITUDE DIVING OPERATIONS ABOVE 1000 FT.

(4): THE CONFIGURATION MANAGER FOR THIS EQUIPMENT SHALL BE CONTACTED PRIOR TO PURCHASE AND AUTHORIZATION FOR USE. TO ENSURE PROPER USE, STAKEHOLDERS MUST BE REPRESENTED ON THE CONFIGURATION MANAGEMENT BOARD FOR THIS EQUIPMENT.

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.7.1 CAT I Active	NAVY DIVE COMPUTER	COCHRAN UNDERSEA TECHNOLOGY <i>Name : Mike Cochran/John Corso Phone : 972.644.6284</i>	NSW III NDC (BLACK) PN 512110571	General Notes: (1) (2) (3) (4) Apply. BLACK VARIANT NSW III AUTHORIZED FOR USSOCOM COMPONENT SPECIAL OPERATION FORCES FOR NO DECOMPRESSION DIVES.  CONFIGURATION MANAGEMENT OF THIS ITEM IS CONTROLLED BY PMS NSW.  DIVERS MAY BREATHE ANY COMBINATION FOR AIR/MK16 MOD 0 OR MK25 MOD 2 WHEN USING THE NSW III. MK25 OXYGEN EXPOSURE LIMITS SHALL BE FOLLOWED FOR THE DIVE SEGMENTS IN WHICH IT IS USED.  <i>* Admin Comments : 12/15/05 - Added to the AMU List. 12/28/12 - Comments Revised Updated on: 5/23/2016 1:22:00 PM</i>

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.7.2 CAT I Active	NAVY DIVE COMPUTER	COCHRAN UNDERSEA TECHNOLOGY <i>Name : Mike Cochran/John Corso Phone : 972.644.6284</i>	FLEET (YELLOW) AIR III-79 NDC PN 742610171	General Notes: (1) (2) (3) (4) Apply. YELLOW VARIANT AIR III-79 AUTHORIZED FOR FLEET APPLICATIONS FOR NO DECOMPRESSION DIVES IAW US NAVY DIVE MANUAL.  ENABLING PROGRAMMING MODE IS AUTHORIZED TO PROVIDE USE OF THE PRE-DIVE PREDICITON MODE. PRIOR TO DIVING, VERIFY CONSERVATISM IS SET TO ZERO. REFER TO THE OEM USER MANDUAL FOR FURTHER GUIDANCE ON THE USE OF PROGRAMMING MODE.  THE AIR III-79 NDCs ARE DISTINGUISHIBLE BY THE FRONT BEZEL READING 'AIR III-79'.  CONFIGURATION MANAGEMENT OF THIS ITEM IS CONTROLLED BY NAVSEA 00C3.  <i>* Admin Comments : 12/15/05 - Added to the AMU List. 12/28/12 - Comments Revised. 11/4/2014 - Added Air III-79 and updated note accordingly 11/12/2014 - Corrected P/N for AIR III-79 4/10/2015 - Added authorization for enabling programming mode IAW ECP NDC002. 3/10/2017 - removed old PN and associated notes Updated on: 3/10/2017 10:32:00 AM</i>

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
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1.7.3 CAT I Active	NAVY DIVE COMPUTER	COCHRAN UNDERSEA TECHNOLOGY <b>Name</b> : Mike Cochran/John Corso <b>Phone</b> : 972.644.6284	EOD III NDC (GREY) PN 667510541 (NDC) PN 667510G41 (DTDG ONLY)	General Notes: <b>(1) (2) (3) (4)</b> Apply. GREY VARIANT EOD III AUTHORIZED FOR EOD APPLICATIONS FOR NO DECOMPRESSION DIVES.  CONFIGURATION MANAGEMENT OF THIS ITEM IS CONTROLLED BY PMS EOD.  THE AUTHORIZED BATTERY FOR EOD MCM OPERATIONS IS THE MK 16 UBA N-CELL BATTERY (PN 6195925, 1.5 VDC, 2 EACH). THE EOD III DATA AND TIME MUST BE RESET AFTER THE BATTERY CHANGE.  ALL COMMANDS WILL ENSURE INITIAL LOMU SCREENING IS COMPLETED AT NAVEODTECHDIV.  GENERAL NOTES 1 AND 2 DO NOT APPLY TO PN 667510G41, AUTHORIZED FOR EOD APPLICATIONS AS A DEPTH/TIMER GAUGE ONLY AND IS CONSIDERED A CAT III ITEM.  <b>* Admin Comments</b> : 03/28/2011 - PN 667510541 Added as the EOD III NDC. 12/28/12 - Comments Revised.  Updated on: 5/23/2016 1:23:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.7.4 CAT I Active	NAVY DIVE COMPUTER	COCHRAN UNDERSEA TECHNOLOGY <b>Name</b> : Mike Cochran/John Corso <b>Phone</b> : 972.644.6284	NSW III 50/12 1.3 AIR NDC (BLACK) PN 772110571	General Notes: <b>(1) (2) (3) (4)</b> Apply. BLACK VARIANT NSW III 50/12 1.3 AIR AUTHORIZED FOR USE DURING MK 16 MOD 1 UBA OPERATIONS USING N2O2 DILUENT UNDER NAVSEA APPROVED PROCEDURES.  CONFIGURATION MANAGEMENT OF THIS ITEM IS CONTROLLED BY PMS NSW.  <b>* Admin Comments</b> : 12/28/12 - Comments Revised.  Updated on: 5/23/2016 1:24:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.7.5 CAT I Active	NAVY DIVE COMPUTER	COCHRAN UNDERSEA TECHNOLOGY <b>Name</b> : Mike Cochran/John Corso <b>Phone</b> : 972.644.6284	NSW HE III 200-1.3 PN 792310D71	General Notes: <b>(1) (2) (3) (4)</b> Apply. DARK BLUE VARIANT NSW He III 200-1.3 AUTHORIZED FOR USE DURING MK 16 MOD 1 UBA OPERATIONS USING HeO2 DILUENT UNDER NAVSEA APPROVED PROCEDURES.  CONFIGURATION MANAGEMENT OF THIS ITEM IS CONTROLLED BY PMS NSW.  <b>* Admin Comments</b> : 09/14/11 - Added to the AMU List. 12/28/12 - Comments Revised. 11/12/2014 - Corrected color from black to dark blue.  Updated on: 5/23/2016 1:25:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.7.6 CAT I Active	NAVY DIVE PLANNER	NEDU	NAVSEA V4.03 NAVSEA V4.03HE	General Notes: <b>(4)</b> Apply. THE NDP CONFIGURATION FILES (.INI; .DAT; .MPF) SHALL NOT BE ALTERED.  THE NDP IS NOT AUTHORIZED FOR USE ON THE NMCI NETWORK. THE NDP OPERATES UNDER MICROSOFT WINDOWS 7 OR XP. A STAND-ALONE COMPUTER IS REQUIRED FOR USE.  USERS MUST ENSURE THE CORRECT BREATHING MEDIUM VERSION AND GAS

				<p>MIX IS SELECTED FOR THE DIVE BEING PERFORMED.</p> <p>THE NDP SHALL ONLY BE USED IN CONJUNCTION WITH NAVSEA APPROVED PROCEDURES SPECIFICALLY CALLING OUT THE NDP AS A PRIMARY OR ALTERNATE METHOD OF PLANNING OR COMPUTING DECOMPRESSION. AUTHORIZATION OF THE NDP IS ASSUMED BY NAVSEA APPROVAL OF THE COMMAND SPECIFIC PROCEDURES THAT REQUIRE THE NDP.</p> <p>THE NDP SHALL BE USED ONLY BY PERSONNEL WHOSE PROFICIENCY IN NDP USE HAS FIRST BEEN ESTABLISHED BY DOCUMENTED COMPLETION OF APPROPRIATE TRAINING.</p> <p><i>* Admin Comments : 5/30/2014 - Added to AMU List</i></p> <p style="text-align: right;"><i>Updated on: 1/14/2015 9:56:00 AM</i></p>
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1.8 DIVER PROPULSION DEVICES				
NO General Notes				
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.8.2 CAT II Active	DIVER PROPULSION VEHICLE (DPV), COMMERCIAL	FARALLON USA, INC.	MK V MK VI	NOW BEING SUPPORTED BY FARALLON USA INC, DIVER PROPULSION VEHICLES. <i>Updated on: 9/24/2010 8:51:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.8.3 CAT II Active	DIVER PROPULSION VEHICLE (DPV), COMMERCIAL	FARALLON USA, INC.	MK VIII MK VIII-S	FOLLOW ON REPLACEMENT MODEL TO OLDER FARALLON MODELS MK V AND MK VI. MK VIIIS IS A SMALLER VERSION OF THE MK VIII <i>Updated on: 9/24/2010 8:52:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.8.4 CAT II Inactive	DIVER PROPULSION VEHICLE (DPV), COMMERCIAL	TECKNA	DV-3X	NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE. <i>Updated on: 8/19/2011 11:06:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.8.5 CAT II Inactive	DIVER PROPULSION VEHICLE (DPV), COMMERCIAL	TECKNA	MIL UNIT MOD S-5100	NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE. <i>Updated on: 8/19/2011 11:06:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.8.7 CAT I Active	SWIMMER DELIVERY VEHICLE (SDV), NAVSEA CONTROLLED ITEM	PMS NSW	MK 8 MOD 1 MK 8 MOD 1(D)	<p>THE SDV DLSS IS AUTHORIZED FOR USE WITH AIR ONLY.</p> <p>MK 8 MOD 1(D) REFLECTS THE SDV MK 8 MOD 1 WITH CLASS 1 ECP-0556 (SDV DEPTH)</p> <p>NAVAL SEA SYSTEMS COMMAND CONTROLLED ITEM UNDER COMNAVSEASYSKOM PMS NSW COGNIZANCE.</p> <p><i>* Admin Comments : 02/25/10 - AIR ONLY note added.</i> <i>12/1/2014 - MK 8 MOD 1(D) added.</i> <i>Updated on: 12/1/2014 1:25:00 PM</i></p>

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.8.8 CAT II Active	DIVER PROPULSION DEVICE (DPD), COMMERCIAL	STIDD SYSTEMS, INC. <b>Name</b> : David Wilberding <b>Phone</b> : 202-904-4461 <b>Email</b> : dwillberding@stidd.com	DPD DPD-ER DPD-TEC2 DPD-TEC2-ER	USSOCOM STD O&M MANUAL REQUIRED.  '-TEC2' INDICATES IMPROVED PROPULSOR WITH BRUSH-LESS DC MOTOR AND MAGNETICALLY COUPLED DRIVE SHAFT.  '-ER' INDICATES AN ADDITIONAL BATTERY INSTALLED IN PARALLEL FOR INCREASED OPERATING TIME.  <b>* Admin Comments</b> : 7/6/2015- Corrected name from 'Swimmer Transportation Device (STD)' to DPD. 8/3/2015 - Included additional models, see Change package in electronic index. Change 'Designation/Model' to remove the specific model number and reference the more common terminology used for the various models.  Updated on: 8/4/2015 1:59:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.8.9 CAT II Active	DIVER PROPULSION VEHICLE (DPV), COMMERCIAL	PEGASUS MANUFACTURING INC.  http://pegasustruster.com  <b>Name</b> : Dean Vitale <b>Phone</b> : 305.720.6776	PT-90001	AUTHORIZED FOR USE UP TO A DEPTH OF 60 FSW.
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.8.10 CAT II Active	DIVER PROPULSION VEHICLE (DPV), COMMERCIAL	PATRIOT3, INC. www.Patriot3.com <b>Name</b> : Charles Fuqua <b>Phone</b> : 540-891-7353 <b>Email</b> : Cfuqua@patriot3.com	P3M-DPK-001-0105 (JET BOOTS)	1. THIS ITEM REQUIRES MANDATORY QUALIFICATION, INCLUDING BASIC TRAINING IN A CONTAINED TRAINING ENVIRONMENT (I.E. POOL), PRIOR TO OPEN WATER USE AND AT LEAST 12 MONTHS THEREAFTER. TRAINING SHALL BE DOCUMENTED.  2. PERSONAL PROTECTIVE EQUIPMENT (PPE) IS REQUIRED FOR PROTECTION, DURING QUALIFICATION/REQUALIFICATION, AGAINST TRAUMA (HEAD,NECK, ETC.). THIS SHOULD INCLUDE A HELMET AS A MINIMUM  3. DUE TO THE LITHIUM ION BATTERY POWER SUPPLY, THIS ITEM IS LIMITED TO SHORE-BASED CHARGING/DISCHARGING AND STORAGE OF THE BATTERIES AND SYSTEM INGRESS/EGRESS USING RANGE CRAFT IN TERRITORIAL WATERS. REFERENCE NOSSA LETTER SER N841/1089 DTD 9 JUL 2013.  4. CHARGING/DISCHARGING AND STORAGE OF THE JET BOOT BATTERY SYSTEM ON UNDERWAY PLATFORMS (AIR, SURFACE, OR UNDERSEA) SHALL BE AUTHORIZED VIA SEPARATE AUTHORITIES UNDER NAVSEAINST 9310.1C, THE LION AUTHORITATIVE DOCUMENT.  5. CHARGING/DISCHARGING OPS/EPS AND STANDARDIZED WARNINGS SHALL BE POSTED IN A CONSPICUOUS AREA ADJACENT TO CHARGER/DISCHARGER UNIT.  6. ANY UNDUE EVENT OR FAILURE OF THE CHARGER/DISCHARGER SYSTEM SHALL BE REPORTED VIA FAR TO SEA06-NSW (PMS340) AND SEA 00C3.

				<p>7. AUTHORIZED FOR USE WITH:                  FLOTATION KIT, P/N P3M-DPK-001-0205                  STANDARD CHARGER, PN P3M-DPC-001-0114                  CHARGER+DISCHARGER, PN P3M-DPC-001-0285</p> <p><i>* Admin Comments : 11/22/13 - Added to AMU List                  1/29/14 - Added 'JET BOOTS' for clarification to model                  3/17/15 - Added configuration change authorizing use of P3M flotation kit                  11/7/16 - Authorized use of Charger+Discharger                  Updated on: 11/7/2016 9:46:00 AM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
1.8.11 CAT II Active	DIVER PROPULSION VEHICLE (DPV), COMMERCIAL	SUEX EXPLORATION <i>Name : Casey McKinley Phone : Email : casey@d3diving.com</i>	SXD3N90500 (SUEX XJ14N NIMH 14AH)	<p>IN CLASSROOM AND SHALLOW WATER TRAINING IS MANDATORY FOR THIS ITEM PRIOR TO OPERATIONAL USE.</p> <p>USE ONLY WITH OEM PROVIDED PROPERLY WEIGHTED TOW CORD WITH A QUICK RELEASE.</p> <p>ONLY THE BASE CONFIGURATION AS LISTED IN THE "DESIGNATION/MODEL" OF THE VEHICLE IS APPROVED (E.G. NO SONAR, NAVIGATION TABLETS, ETC.)</p> <p>ITEM IS ONLY APPROVED FOR USE WITH THE OEM 14AH NIMH BATTERY. NO OTHER BATTERIES SHALL BE USED.</p> <p>UNTIL PMS IS DEVELOPED THE OEM MAINTENANCE PLAN SHALL BE ADHERED TO.</p> <p><i>* Admin Comments : Added to ANU list 05-08-2018</i></p>

<b>2.1 DIVING HARNESS</b>				
<b>NO General Notes</b>				
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
2.1.1 CAT II Active	DIVER'S SAFETY HARNESS	ATLANTIC DIVING EQUIPMENT	B200 B/NS (MK-20 HARNESS)	<p>JOCKING STRAP REQUIRED. THIS HARNESS WAS FORMERLY DESIGNATED UNDER DWG # 592-6318020 OR ADS/MARVEL PN BH200 B/NS (NO JOCKING STRAP).</p> <p><i>* Admin Comments : 4/17/2015 - Corrected Manufacturer to Atlantic Diving Equipment                  3/21/11 - Manufacturer corrected to Atlantic Diving Equipment.                  2/17/15 - PN Corrected to approved MK20 TM; AMRON PN and ADS PN updated                  Updated on: 4/17/2015 9:54:00 AM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
2.1.2 CAT II Inactive	INTEGRATED DIVERS VEST (IDV)	MORRIS DIVING EQUIPMENT	MIL-V-24690(SH) OR PN 4666989	<p>NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE.</p> <p><i>* Admin Comments : 8/19/11 - Manufacturer no longer exists.                  Updated on: 8/19/2011 11:45:00 AM</i></p>



Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
2.1.3 CAT II Active	DIVE HARNESS	ZEAGLE	MILITARY VEST PN 7050-AM	REQUIRES JOCKING STRAP AND "D" RINGS ON BOTH SIDES AND WAIST. <i>Updated on: 8/17/2012 9:19:00 AM</i>
2.1.5 CAT II Active	DIVE HARNESS	ATLANTIC DIVING EQUIPMENT	INTEGRATED DIVE VEST (IDV) PN 16509	<i>Updated on: 8/17/2012 9:19:00 AM</i>
2.1.6 CAT II Active	DIVE HARNESS	DIVEX	PN DE394K OR  PN DE400	DE394K HOLDS UP TO 61 LBS NON- DITCHABLE WEIGHT.  DE400 HOLDS UP TO 81 LBS OF DITCHABLE WEIGHT. <i>Updated on: 8/17/2012 9:19:00 AM</i>
2.1.7 CAT II Active	DIVE HARNESS	AQUA LUNG <i>Name : Glen Rubin</i> <i>Phone : 850.249.7417</i>	SURFACE SUPPLIED HARNESS PN 769158 (SIZE 0) PN 769161 (SIZE 1) PN 769169 (SIZE 2)	FOR TENDED SURFACE SUPPLIED DIVING APPLICATIONS.  HOLDS UP TO 10 LBS NON-DITCHABLE WEIGHT & UP TO 40 LBS OF DITCHABLE WEIGHT.  <i>* Admin Comments : 7/6/10 - Added to the AMU List. 5/2/15 - Added Size 0. Updated on: 5/2/2015 4:48:00 PM</i>
2.1.8 CAT II Active	DIVER'S SAFETY HARNESS	MILLER DIVING CORPORATION <i>Name : Blair Mott</i> <i>Phone : 805-928-7772</i> x308 <i>Email :</i> <i>bmott@kirbymorgan.com</i>	900-070SB 900-070MB 900-070LB 900-070XB	<i>* Admin Comments : Added to ANU list 3/17/17</i> <i>Updated on: 3/23/2017 8:41:00 AM</i>

## 2.2 UMBILICAL HOSE

### General Notes

(1): UMBILICALS SHALL BE ORDERED AND ASSEMBLED UTILIZING GUIDANCE CONTAINED IN US NAVY UMBILICAL DESCRIPTION, MATERIALS AND ASSEMBLY MANUAL, SS521-AH-PRO-010. WHEN ORDERING THE AQUALITE SPIRAL DESIGNED UMBILICAL MUST BE FACTORY TWISTED AND INCORPORATE A COMBINATION STRENGTH/COMMUNICATION CABLE P/N CAF0334. CONTACT NAVSEA 00C3, COMM (703) 607-2766 DSN 327-2766 FOR ASSISTANCE.

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
2.2.1 CAT I Active	BREATHING AIR HOSE, COMMERCIAL	FURON, SYNIFLEX DIVISION	34BA	PRODUCT ID: SYNIFLEX 34BA-06 3/8 INCH ID, WORKING PRESSURE 250 PSI. <i>Updated on: 2/1/2017 1:51:00 PM</i>
2.2.2 CAT I Active	BREATHING AIR HOSE, COMMERCIAL	GATES CORPORATION	33HB	PRODUCT ID: 33HB - 3/8 INCH ID, WORKING PRESSURE 1,125 PSI. <i>Updated on: 9/24/2010 9:35:00 AM</i>
2.2.3 CAT I Inactive	BREATHING AIR HOSE, COMMERCIAL	UMBILICALS INTERNATIONAL	HDA0106	APPROVED FOR CONTINUED USE BUT NOT AVAILABLE FOR PURCHASE

				<p>PRODUCT ID: HDA0106 - 3/8 INCH ID, WORKING PRESSURE 500 PSI.</p> <p>AUTHORIZED FOR USE WITH UMBILICALS INTERNATIONAL FITTING PN FXFSP20606</p> <p>AUTHORIZED FOR USE WITH UMBILICALS INTERNATIONAL FITTING PN FXFSP50606</p> <p><i>* Admin Comments : 9/22/2014 - Updated Manufacturer name from Aqualite and change part number from HAL 0106. 11/10/2016 - Updated Product ID from HAL 0106 to HDA0106 and added fitting number 10/25/2017 - Added FXFSP50606 Updated on: 10/25/2017 2:54:00 PM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
2.2.4 CAT I Active	BREATHING AIR HOSE, COMMERCIAL	CORTLAND COMPANY  <i>Name : Marco Cano Phone : 832-833-8031</i>	FLT06/R	<p>PRODUCT ID: FLT06/R - 3/8 INCH ID, WORKING PRESSURE 500 PSI.</p> <p>AUTHORIZED FOR USE WITH CORTLAND FITTING PN FPBSF/M/06-04OXY <i>Updated on: 12/16/2016 9:34:00 AM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
2.2.5 CAT I Inactive	BREATHING AIR HOSE, COMMERCIAL	JDR	HAL0106	<p>PRODUCT ID: HAL0106 - 3/8 INCH ID, WORKING PRESSURE 500 PSI.</p> <p>AUTHORIZED FOR USE WITH JDR FITTING PN XF06SP1F06</p> <p>AUTHORIZED FOR USE WITH CORTLAND FITTING PN FPBSF/M/06-04OXY</p> <p>NO LONGER AVAILABLE FOR PURCHASE, AUTHORIZED FOR CONTINUED USE <i>Updated on: 3/13/2017 9:36:00 AM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
2.2.6 CAT I Active	BREATHING AIR HOSE, COMMERCIAL	UMBILICALS INTERNATIONAL	HDA0106-USN	<p>PRODUCT ID: HDA0106-USN, 3/8 INCH ID, WORKING PRESSURE 500 PSI.</p> <p>AUTHORIZED FOR USE WITH UMBILICALS INTERNATIONAL FITTING PN FXFSP50606</p> <p><i>* Admin Comments : 10/25/2017 - ADDED TO ANU</i></p>

**2.3 UMBILICAL POWERED UNDERWATER LIGHTS**

**General Notes**

(1): AC POWERED UNDERWATER LIGHTS SHALL BE PROTECTED BY A GROUND FAULT INTERRUPTER INSTALLED BETWEEN THE POWER SUPPLY AND THE UNDERWATER LIGHT. IT IS IMPORTANT TO NOTE THAT USE OF AN EXTERNAL GFI IN A SYSTEM WITH AN INTERNAL GFI OR POWER SUPPLY WHICH IS CONNECTED TO A GFI CAN RESULT IN NULLIFYING THE ABILITY OF THE GFI TO OPERATE. COMPLY WITH THE ELECTRICAL SAFETY IAW THE USN DIVING MANUAL.

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
2.3.1 CAT II Inactive	UMBILICAL POWERED UW LIGHT, COMMERCIAL	AQUA AIR INDUSTRIES INC.	AA1-MINI	<p>NO LONGER MANUFACTURED BUT AUTHORIZED FOR CONTINUED USE AND WILL CONTINUE TO BE SUPPORTED BY MANUFACTURER. REPLACED BY AQUA-LITE II. NO MODIFICATIONS TO FFM UBA/HELMET ARE AUTHORIZED. SUPPLIED BY 12 VDC POWER SUPPLY, NO GFI REQUIRED. <i>Updated on: 10/10/2013 3:15:00 PM</i></p>

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
2.3.2 CAT II Inactive	UMBILICAL POWERED UW LIGHT, COMMERCIAL	KONGSBERG MARITIME (ORIGINALLY HYDRO- PRODUCTS)	HQ-250/800647-01250 WATTS/120 VOLTS AC	General Notes: (1) Apply. NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE.  * <b>Admin Comments</b> : 4/26/11 - Originally manufactured by Hydro-Products, then Hydro- Vision, then Simard Osprey. Updated on: 4/26/2012 12:41:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
2.3.3 CAT II Inactive	UMBILICAL POWERED UW LIGHT, COMMERCIAL	KONGSBERG MARITIME (ORIGINALLY HYDRO- PRODUCTS)	HQ-500/800647-02 500 WATTS/120 VOLTS AC	General Notes: (1) Apply.  * <b>Admin Comments</b> : 4/26/11 - Originally manufactured by Hydro-Products, then Hydro- Vision, then Simard Osprey. Updated on: 4/26/2012 12:41:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
2.3.4 CAT II Inactive	UMBILICAL POWERED UW LIGHT, COMMERCIAL	KONGSBERG MARITIME (ORIGINALLY HYDRO- PRODUCTS)	DIVER HELMET MOUNTED LIGHT SYSTEM (DHMLS) DWG # 998-2005 REV A	General Notes: (1) Apply. PRODUCT ID & DEPOT LEVEL REPAIRS: DHMLS O & M MANUAL PUB # 998-20005.  * <b>Admin Comments</b> : 4/26/11 - Originally manufactured by Hydro-Products, then Hydro- Vision, then Simard Osprey. Updated on: 4/26/2012 12:47:00 PM

## 2.4 DIVING HELMETS AND OTHER SURFACE SUPPLIED SYSTEMS

### General Notes

(1): AUTHORIZED IAW THE U.S. NAVY DIVE MANUAL, SS521-AG-PRO-010.

(2): AUTHORIZED FOR SURFACE SUPPLY AIR DIVING OPERATIONS ONLY

(3): REGULATORS FOR USE IN SURFACE-SUPPLIED EMERGENCY GAS SUPPLIES (EGS) CONFIGURATIONS SHALL BE APPROVED FOR THE OPERATIONAL ENVIRONMENT IN WHICH THEY WILL BE USED. SPECIAL ATTENTION SHOULD BE MADE FOR COLD WATER APPLICATIONS AND THE ANU REGULATOR'S ASSOCIATED TEMPERATURE LIMITATIONS.

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
2.4.1 CAT I Active	SURFACE SUPPLIED DIVING HELMET, NAVSEA CONTROLLED	KIRBY MORGAN DIVE SYSTEMS, INC.	KM 37 NS	General Notes: (1) Apply. AUTHORIZED IAW UNDERWATER BREATHING APPARATUS (UBA) KM 37 NS TECHNICAL MANUAL T6560-AC-OMP-010.  AUTHORIZED REPLACEMENT FOR MK21.  AUTHORIZED FOR USE WITH QUAD EXHAUST KIT, KMDSI PN 525-759.  AUTHORIZED FOR USE WITH ORAL NASAL MASK, KMDSI PN 510-747, AND LENS RETAINER KIT, KMDSI PN 525-776.  * <b>Admin Comments</b> : 07/03/07 - Added per CDR Gray direction. 04/29/10 - Quad Exhaust Kit, KMDSI PN 525- 759 added. 9/17/10 - Oral Nasal Mask, KMDSI PN 510-747 & Lens Retainer kit, KMDSI PN 525-776 added. Updated on: 8/14/2013 12:40:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
2.4.2 CAT I	SURFACE SUPPLIED DIVING HELMET,	KIRBY MORGAN DIVE SYSTEMS, INC.	MK 21 MOD 1	General Notes: (1) Apply. AUTHORIZED IAW UNDERWATER BREATHING APPARATUS

<b>Active</b>	NAVSEA CONTROLLED			(UBA) MK 21 MOD 1 TECHNICAL MANUAL S6560-AG-OMP-010.  APPROVED FOR USE WITH QUAD EXHUAUST VALVE, KMSDI PN 525-759.  APPROVED FOR USE WITH THE ZINC ANODE KIT, KMSDI PN 525-376.  <i>* Admin Comments : 1/14/11 - Zinc Anode Kit approved. 2/1/10 - Added to the AMU list. 1/25/09 - KMSDI Quad Exhaust Valve approved for use.</i>  <i>Updated on: 8/14/2013 12:40:00 PM</i>
<b>Equip#</b>	<b>Item/Stock#</b>	<b>Manufacturer</b>	<b>Designation/Model</b>	<b>Comments</b>
<b>2.4.3 CAT I Active</b>	MANIFOLD BLOCK ASSEMBLY, COMMERCIAL	KIRBY MORGAN DIVE SYSTEMS, INC.	DSI PN 300-150	APPROVED FOR USE WITH MK 20 UBA FOR PROVIDING EGS CAPABILITY WITHIN MK 20 OPERATING LIMITS.  <i>Updated on: 8/14/2013 12:09:00 PM</i>
<b>Equip#</b>	<b>Item/Stock#</b>	<b>Manufacturer</b>	<b>Designation/Model</b>	<b>Comments</b>
<b>2.4.4 CAT I Active</b>	EGS HOSE QUICK DISCONNECT ASSEMBLY, STAINLESS STEEL, COMMERCIAL	DIVING EQUIPMENT COMPANY OF AMERICA (DECA)	DE 255-025 NS	APPROVED FOR USE WITH UBA MK 21 MOD 1 AND KM 37 NS FOR EGS WHIP. APPROVED FOR USE WITH UBA MK 20 MOD 0 FOR EGS WHIP WHEN USED WITH DSI MANIFOLD BLOCK ASSEMBLY.  FOR DETAILS OF ASSEMBLY REFER TO THE UBA MK 21 MOD 1 OR KM 37 NS TECHNICAL MANUAL.  <i>Updated on: 11/1/2013 12:45:00 PM</i>
<b>Equip#</b>	<b>Item/Stock#</b>	<b>Manufacturer</b>	<b>Designation/Model</b>	<b>Comments</b>
<b>2.4.5 CAT I Active</b>	EGS HOSE QUICK DISCONNECT ASSEMBLY, BRASS, COMMERCIAL	DIVING EQUIPMENT COMPANY OF AMERICA (DECA)	DE 255-020 NS	APPROVED FOR USE WITH UBA MK 21 MOD 1 AND KM 37 NS FOR EGS WHIP. APPROVED FOR USE WITH UBA MK 20 MOD 0 FOR EGS WHIP WHEN USED WITH DSI MANIFOLD BLOCK ASSEMBLY.  FOR DETAILS OF ASSEMBLY REFER TO THE UBA MK 21 MOD 1 OR KM 37 NS TECHNICAL MANUAL.  <i>Updated on: 11/1/2013 12:45:00 PM</i>
<b>Equip#</b>	<b>Item/Stock#</b>	<b>Manufacturer</b>	<b>Designation/Model</b>	<b>Comments</b>
<b>2.4.7 CAT I Active</b>	SURFACE SUPPLIED DIVING FULL FACE MASK, NAVSEA CONTROLLED	INTERSPIRO	MK 20 MOD 0	General Notes: (1) Apply. AUTHORIZED IAW UNDERWATER BREATHING APPARATUS (UBA) MK 20 MOD 0 TECHNICAL MANUAL SS600-AK-MMO-010/010-LP-028-6860.  AUTHORIZED FOR USE TO 60 FSW IN SURFACE SUPPLIED MODE.  <i>* Admin Comments : 08/14/13 - Added to the AMU List for Surface Supplied. Updated on: 8/14/2013 12:41:00 PM</i>
<b>Equip#</b>	<b>Item/Stock#</b>	<b>Manufacturer</b>	<b>Designation/Model</b>	<b>Comments</b>
<b>2.4.10 CAT II Active</b>	SATURATION DIVING CONTAMINATED WATER SUIT	NAVAL SURFACE WARFARE CENTER PANAMA CITY	FULL COVERAGE SUIT (FCS)	AUTHORIZED FOR USE BY TRAINED SATURATION DIVERS ONLY WITH THE FOLLOWING RESTRICTIONS:  - SHALL NOT BE USED IN CONTAMINATED WATER - SHALL NOT BE TAKEN INSIDE THE DIVING BELL OR DRY DECK CHAMBER - FAMILIARIZATION TRAINING IS REQUIRED PRIOR TO USE FOR SATURATION DIVING.  <i>* Admin Comments : 9/25/2014 - Added to AMU List</i>

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
2.4.11 CAT I Active	SURFACE SUPPLIED DIVING HELMET, COMMERCIAL	KIRBY MORGAN DIVE SYSTEMS, INC.	KM 97 (PN 500-701) WITH 455 REGULATOR (PN 505-455)	<p style="text-align: right;"><i>Updated on: 3/12/2015 7:54:00 AM</i></p> <p>General Notes: <b>(1) (2)</b> Apply. AUTHORIZED FOR SURFACE SUPPLY AIR DIVING OPERATIONS TO 190FSW ONLY. FURTHER TESTING AND EVALUATION IS REQUIRED PRIOR TO AUTHORIZATION FOR MIXED GAS DIVING OPERATIONS.</p> <p>A NAVSEA TECH MANUAL IS CURRENTLY UNDER DEVELOPMENT, UNTIL FURTHER NOTICE REFER TO OEM MANUALS.</p> <p><b>* Admin Comments :</b> 3/18/2015 - Added to AMU List</p> <p style="text-align: right;"><i>Updated on: 10/8/2015 9:48:00 AM</i></p>

### 3.1 WETSUITS

#### General Notes

**(1):** COMMANDS ARE AUTHORIZED TO PURCHASE COMMERCIALY AVAILABLE OR STANDARD STOCK WET SUITS AND WET SUIT ACCESSORIES. STRONG CONSIDERATION SHALL BE GIVEN TO OUTFITTING DIVERS THAT MUST OPERATE IN COLD WATER WITH CUSTOM FITTED WET SUITS AND ACCESSORIES. ADEQUATE THERMAL PROTECTION IS A DIVER SAFETY ISSUE IN COLD WATER.

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
3.1.1 CAT II Active	WET SUITS, COMMERCIAL OR STOCK	VARIOUS	VARIOUS	<p>General Notes: <b>(1)</b> Apply.</p> <p style="text-align: right;"><i>Updated on: 10/10/2013 3:15:00 PM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
3.1.2 CAT II Active	WET SUIT ACCESSORIES, COMMERCIAL OR STOCK	VARIOUS	GLOVES, VESTS, HOODS, LINERS, POCKETS, BOOTIES & SUITABLE FOOTWEAR	<p>General Notes: <b>(1)</b> Apply.</p> <p style="text-align: right;"><i>Updated on: 10/10/2013 3:15:00 PM</i></p>

### 3.2 DRYSUITS

#### General Notes

**(1):** LOCAL COMMAND LEVEL DRY SUIT INDOCTRINATION TRAINING AND FAMILIARIZATION DIVE REQUIRED PRIOR TO USE. INFLATION OF VVDS WHEN USED WITH KM-37 (NS) LIGHTWEIGHT DIVING OUTFIT SHALL BE ACCOMPLISHED BY CONNECTING TO LP PORT ON THE SIDE BLOCK. REFER TO THE APPROPRIATE TECHNICAL MANUAL FOR COMPLETE OPERATIONS AND MAINTENANCE INSTRUCTIONS. AT THE DIVE SUPERVISOR'S DISCRETION, WHEN USING VVDS, A BUOYANCY COMPENSATOR IS NOT REQUIRED.

**(2):** DRY SUITS ARE AUTHORIZED FOR USE WITH THE KM-37NS and KM-97 DIVING HELMETS WITH A WATERTIGHT NECK DAM TO SUPPORT CONTAMINATED WATER DIVING OPERATIONS PER SS521-AJ-PRO-101 REV 1, "GUIDANCE FOR DIVING IN CONTAMINATED WATERS".

**(3):** DRY SUITS ARE AUTHORIZED FOR USE WITHOUT A HELMET OR NECK RING IN ACCORDANCE WITH SS521-AJ-PRO-010, "GUIDANCE FOR DIVING IN CONTAMINATED WATERS".

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
3.2.1 CAT II Active	DRY SUIT	VARIOUS	VARIOUS	<p>General Notes: <b>(2) (3)</b> Apply. COMMANDS ARE AUTHORIZED TO PURCHASE COMMERCIALY AVAILABLE OR STANDARD STOCK DRY SUITS AND ACCESSORIES WHEN DIVING IN CATEGORY III OR IV</p>

				WATER AS DEFINED IN SS521-AJ-PRO-010, GUIDANCE FOR DIVING IN CONTAMINATED WATERS. <i>Updated on: 4/5/2018 3:15:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
3.2.6 CAT II  Active	DRY SUIT, EOD CONTROLLED	EOD	MK 1 MOD 1	General Notes: <b>(2)</b> Apply. EOD CONTROLLED ITEM.  LOW-MAGNETIC SIGNATURE. MEETS MIL-M-19595.  NOT AUTHORIZED FOR CATEGORY I OR II CONTAMINATED WATER DIVING OPERATIONS.  <i>* Admin Comments : 5/12/2015 - Updated to specify restriction to Category III and IV only. Updated on: 5/12/2015 1:24:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
3.2.11 CAT II  Active	DRY SUIT	TRELLEBORG VIKING, INC.	HEAVY DUTY WITH SL17 YOKE PN 102 800 01X  *X DENOTES SIZE & WILL VARY	General Notes: <b>(1) (2)</b> Apply. <i>Updated on: 6/24/2013 11:30:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
3.2.14 CAT II  Active	DRY SUIT	TRELLEBORG VIKING, INC.	VIKING COMBAT WITH LATEX NECKSEAL	General Notes: <b>(1)</b> Apply. AUTHORIZED FOR DIVING IN CATEGORY III OR IV WATER AS DEFINED IN SS521-AJ-PRO-010, GUIDANCE FOR DIVING IN CONTAMINATED WATERS.  <i>* Admin Comments : 10/06/09 - Added to the AMU list 5/13/2015 - Clarified in Notes authorization restricted to Cat II and IV water. Updated on: 5/13/2015 8:55:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
3.2.15 CAT II  Active	DRY SUIT	TRELLEBORG VIKING, INC.	VIKING HDS 1500	General Notes: <b>(1) (2)</b> Apply.  <i>* Admin Comments : 12/10/09 - Added to the AMU list Updated on: 6/24/2013 11:29:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
3.2.16 CAT II  Active	DRY SUIT	Aqua-Lung <i>Name : Trevor Kirby Phone : 1-250-652-5881 Ext 240 Email : tkirby@aqualung.com</i>	Hazmat KM-37 Drysuit Aqua-Lung USN Part #s: 611943-611955, 611991	General Notes: <b>(1) (2)</b> Apply. - Authorized for CAT 1 and 2 Contaminated Water Diving.  <i>* Admin Comments : 4/14/10 - Added to the AMU List.  10/21/18 - Item changed and reevaluated by 00C3. - Authorized for CAT 1 and 2 Contaminated Water Diving. Updated on: 10/31/2018 1:36:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
3.2.18 CAT II  Active	DRY SUIT	DIVING UNLIMITED INTERNATIONAL <a href="http://www.dui-online.com/">http://www.dui-online.com/</a> <i>Name : Faith Ortins Phone : 619.237.0378 Email : faith@DUI-Online.com</i>	DUI CXO Model # 131100	General Notes: <b>(1) (2)</b> Apply. WHEN DIVING IN CONTAMINATED WATER, CHEMICAL-RESISTANT STEEL TOE BOOTS SHALL BE WORN AS AN OVER-BOOT WHEN THE DIVER'S WORKING PLATFORM (E.G. THE SEA FLOOR, PROPELLER SHAFT, DIVER STAGE, SUNKEN VESSEL, ETC.) COULD PUNCTURE THE DRY SOCK. WHEN WORK IS BEING CONDUCTED WITH NO PLATFORM (I.E. FREE SWIMMING IN WATER COLUMN) FINS ARE AUTHORIZED.



				<p><b>* Admin Comments :</b> 11/13/2013 - Added to AMU List Updated on: 5/13/2015 8:51:00 AM</p>
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3.3 DIVER HEATING EQUIPMENT				
NO General Notes				
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
3.3.1 CAT II Inactive	HOT WATER HEATER, COMMERCIAL	DIVING UNLIMITED INTERNATIONAL INC.	ECONO PN 31020-01	NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE. Updated on: 8/19/2011 11:09:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
3.3.2 CAT II Inactive	HOT WATER HEATER, COMMERCIAL	DIVING UNLIMITED INTERNATIONAL INC.	GULF PN 31007-00	NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE. Updated on: 8/19/2011 11:10:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
3.3.3 CAT II Active	HOT WATER HEATER	ADS INC.	MILITARY MONKEY HEATER PN PWH-100/3	NOT AUTHORIZED FOR OPERATIONS DEEPER THAN 100 FSW.  MODIFICATIONS TO MILITARY MONKEY HEATER INCLUDE HARD MOUNTING OF THE FUEL REGULATOR, SEALED FUEL SOLENOID, 20 FOOT POWER CORD, GFI, AND WATER-RESISTANT CONTROL BOX.  UNMODIFIED MONKEY HEATERS CURRENTLY IN SERVICE ARE APPROVED FOR CONTINUED USE.  ADS IS THE DISTRIBUTOR FOR THIS ITEM. FORMERLY MAR-VEL.  <b>* Admin Comments :</b> 1/6/06 - Reactivated based off tech documents recieved from manufacturer. 04/04/11 - Formerly MAR-VEL (acquired by ADS). Updated on: 6/27/2013 8:00:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
3.3.3.1 CAT II Active	HOT WATER HEATER, COMMERCIAL	ALPHA RENTALS (FORMERLY HERMAN RENTALS INC.)	PN DHH-690-A PN DHH-690-NM	FUEL FIRED DIVERS HOT WATER HEATER  DHH 690-A IS SUPPLIED WITH A GFI SUITABLE FOR USE ON COMMERCIAL UTILITY POWER ONLY. THE INSTALLED GFI MUST BE REPLACED WITH AN APPROVED 15 AMP GFI PRIOR TO USE. DO NOT PLACE GFI'S IN PARALLEL. DHB 690-R AUTHORIZED FOR CONTINUED USE.  <b>* Admin Comments :</b> 9/22/2014 - Updated for change in manufacturer and added PN DHH-690-NM. Updated on: 9/22/2014 6:57:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
3.3.3.2 CAT II Inactive	HOT WATER HEATER, COMMERCIAL	DIVING UNLIMITED INTERNATIONAL INC.	K15B-P (ELECTRIC)	NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE.  MUST BE USED WITH AN APPROVED GFI. APPROVED FOR SATURATION DIVING. Updated on: 8/19/2011 11:24:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
3.3.4	INSPIRED GAS HEATER	VARIOUS	NEDU DWG NO. 88-46	USED TO SPLIT HOT BETWEEN WATER

<b>CAT I Active</b>	SPLITTER BLOCK, COMMERCIAL			SUIT AND DSI HOT WATER SHROUD. <i>Updated on: 2/2/2010 1:23:00 PM</i>
<b>Equip#</b>	<b>Item/Stock#</b>	<b>Manufacturer</b>	<b>Designation/Model</b>	<b>Comments</b>
<b>3.3.4.1 CAT II Active</b>	SCALD SAFE VALVE, COMMERCIAL	ADS INC.	PN SS-72253.	THE SCALD SAFE VALVE IS INSTALLED ON THE DIVER'S END OF THE UMBILICAL. THE VALVE STOPS THE FLOW OF WATER IF IT REACHES 110 DEGREES AND RESTARTS THE FLOW AT 95 DEGREES.  ADS IS THE DISTRIBUTOR OF THIS ITEM. FOREMERLY MAR-VEL INTERNATIONAL.  <i>* Admin Comments : 04/04/11 - Formerly MAR-VEL (acquired by ADS). Updated on: 4/4/2011 1:43:00 PM</i>
<b>Equip#</b>	<b>Item/Stock#</b>	<b>Manufacturer</b>	<b>Designation/Model</b>	<b>Comments</b>
<b>3.3.5 CAT I Inactive</b>	INSPIRED GAS HEATER, COMMERCIAL	KINERGETICS	PN 3375-3	NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE.  NOT FOR USE WITH THE MK-21. <i>Updated on: 8/19/2011 11:19:00 AM</i>
<b>Equip#</b>	<b>Item/Stock#</b>	<b>Manufacturer</b>	<b>Designation/Model</b>	<b>Comments</b>
<b>3.3.8 CAT II Inactive</b>	HOT WATER HOSE FITTINGS, COMMERCIAL	DIVING UNLIMITED INTERNATIONAL INC.	VARIOUS	NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE.  COMMANDS ARE AUTHORIZED TO PURCHASE COMMERCIALY AVAILABLE HOT WATER HOSE FITTINGS, THEY MUST BE MANUFACTURED SPECIFICALLY FOR THAT APPLICATION. <i>Updated on: 8/19/2011 11:21:00 AM</i>
<b>Equip#</b>	<b>Item/Stock#</b>	<b>Manufacturer</b>	<b>Designation/Model</b>	<b>Comments</b>
<b>3.3.9 CAT II Inactive</b>	HOT WATER HOSE, COMMERCIAL	DIVING UNLIMITED INTERNATIONAL INC.	PN 31027-000	NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE. <i>Updated on: 8/19/2011 11:22:00 AM</i>
<b>Equip#</b>	<b>Item/Stock#</b>	<b>Manufacturer</b>	<b>Designation/Model</b>	<b>Comments</b>
<b>3.3.10 CAT II Active</b>	HOT WATER HOSE	GATES CORPORATION	ECONOFLEX	N/A <i>Updated on: 6/27/2013 8:00:00 AM</i>
<b>Equip#</b>	<b>Item/Stock#</b>	<b>Manufacturer</b>	<b>Designation/Model</b>	<b>Comments</b>
<b>3.3.12 CAT II Active</b>	HOT WATER SUIT ACCESSORIES	DIVING UNLIMITED INTERNATIONAL INC.	VARIOUS LINERS, BOOTS, & HOODS	COMMANDS ARE AUTHORIZED TO PURCHASE COMMERCIALY AVAILABLE HOT WATER SUIT LINERS, BOOTS & HOODS FOR USE IN DIVING APPLICATIONS. <i>Updated on: 10/10/2013 3:17:00 PM</i>
<b>Equip#</b>	<b>Item/Stock#</b>	<b>Manufacturer</b>	<b>Designation/Model</b>	<b>Comments</b>
<b>3.3.13 CAT II Active</b>	HOT WATER SUIT	DIVING UNLIMITED INTERNATIONAL INC.	VARIOUS	COMMANDS ARE AUTHORIZED TO PURCHASE COMMERCIALY AVAILABLE HOT WATER SUITS FOR DIVING APPLICATIONS. <i>Updated on: 10/10/2013 3:17:00 PM</i>
<b>Equip#</b>	<b>Item/Stock#</b>	<b>Manufacturer</b>	<b>Designation/Model</b>	<b>Comments</b>
<b>3.3.15 CAT II Active</b>	FREE-SWIMMING DIVER HEATING SYSTEM (FDHS)	Rini Technologies, Inc. 582 South Econ Circle, Oviedo, FL, 32765 <b>Name</b> : Dan Rini <b>Phone</b> : 407-359-7138 ext. 103 <b>Email</b> : dan@rinitech.com	PN 101497 (GEN 2.1) PN 102348 (NSW use only)	THIS IS A NAVSEA CONTROLLED ITEM. CONTACT SEA 00C3 FOR INFORMATION.  AUTHORIZED FOR NO-DECOMPRESSION DIVING ONLY.  NOSSA APPROVAL IAW LETTER 8020 SER N841/221 13 Feb 15 IS GRANTED FOR THE LITHIUM BATTERY FOR USE AT ALL

				<p>SHORE FACILITIES, DEPLOYMENT ABOARD SHIPS AND TRANSPORT ON AIRCRAFT. THIS EQUIPMENT HAS NOT BEEN EVALUATED FOR SOF CARRY ON.</p> <p>THE FDHS IS AUTHORIZED FOR USE WITH A DRY SUIT IAW OEM MANUAL. NOTE THAT THE USE OF THE FDHS REQUIRES MODIFICATION TO THE DRY SUIT TO INSATLL A PENETRATOR (SEE FDHS USER MANUAL) IN PLACE OF THE POWER INFLATION VALVE. AN ADDITIONAL PORT IS REQRUIED TO BE ADDED TO THE DRY SUIT FOR THE POWER INFLATION VALVE.</p> <p>GEN 2.1 IS AUTHORIZED FOR USE. THIS CONFIGURATION HAS THE SAME PART NUMBER AS THE LEGACY GEN 2.0 CONFIGURATION. GEN 2.1 INCORPORATES IMPROVEMENTS TO THE DIVER HEATING UNIT (DHU) AND IS DISTINGUISHABLE FROM THE GEN 2.0 BY ITS LONGER LENGTH.</p> <p><i>* Admin Comments : 4/21/14 - Updated NOSSA approval from Jul 2014 to Jul 2015, reference NOSSA Ltr 8020 SER N841/622 dtd 17 Apr 2014</i>  <i>4/30/15 - Updated information for the Gen 2 of the FDHS.</i>  <i>3/02/16 - Updated for Gen 2.1 &amp; added comment for use with no-D diving only.</i>  <i>3/20/18 - Added NSW unique PN 102348</i>  <i>Updated on: 3/20/2018 2:27:00 PM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
3.3.17 CAT II Active	FREE-SWIMMING DIVER COOLING SYSTEM (FDCS)	Rini Technologies, Inc. 582 South Econ Circle, Oviedo, FL, 32765 <i>Name : Dan Rini</i> <i>Phone : 407-359-7138</i> <i>ext. 103</i> <i>Email : dan@rinitech.com</i>	PN 101757 (GEN 1.1)	<p>THIS IS A NAVSEA CONTROLLED ITEM. CONTACT SEA 00C3 FOR INFORMATION.</p> <p>AUTHORIZED FOR NO-DECOMPRESSION DIVING ONLY.</p> <p>NOSSA APPROVAL IAW LETTER 8020 SER N841/221 13 Feb 15 IS GRANTED FOR THE LITHIUM BATTERY FOR USE AT ALL SHORE FACILITIES, DEPLOYMENT ABOARD SHIPS AND TRANSPORT ON AIRCRAFT. THIS EQUIPMENT HAS NOT BEEN EVALUATED FOR SOF CARRY ON.</p> <p><i>* Admin Comments : 5/21/18 - Added to ANU list - MLP</i></p>

<b>3.4 ACCESSORY ITEMS</b>				
<b>General Notes</b>				
(1): COMMANDS ARE AUTHORIZED TO PURCHASE THIS ITEM FROM COMMERCIALY AVAILABLE RECOURCES OR FROM STANDARD STOCK.				
(2): SHALL BE MAINTAINED IN ACCORDANCE WITH CURRENT PMS.				
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
3.4.1 CAT II Active	GENERAL ACCESSORY ITEMS	VARIOUS	DIVER PREFERENCE	<p>General Notes: (1) (2) Apply. TO INCLUDE WEIGHT BELTS, UNDERWATER COMPASSES, SWIM FINS, DIVE KNIVES, SCUBA FACE MASK, SNORKELS, AND DIVE LIGHTS.</p> <p><i>* Admin Comments : 8/22/13 - Updated to</i></p>

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
				include dive lights Updated on: 10/10/2013 3:18:00 PM
3.4.2 CAT II Active	WATCHES, UNDERWATER AND TOPSIDE USE	VARIOUS	DIVER PREFERENCE	General Notes: (1) (2) Apply. FOR UNDERWATER AND TOPSIDE USE.  CONVENTIONAL AND DIGITAL UNDERWATER AND STOP TYPE WATCHES SHALL HAVE ELAPSED TIME FEATURE. Updated on: 10/10/2013 3:18:00 PM
3.4.3 CAT II Active	DEPTH GAUGE	VARIOUS	DIVER PREFERENCE	General Notes: (1) (2) Apply. Updated on: 8/14/2012 3:20:00 PM
3.4.4 CAT II Active	GAUGE, SUBMERSIBLE SCUBA TANK	VARIOUS	VARIOUS	General Notes: (1) (2) Apply. Updated on: 3/30/2011 12:05:00 PM
3.4.5 CAT II Active	GAUGE, TOPSIDE SCUBA TANK	VARIOUS	VARIOUS	General Notes: (1) (2) Apply. GAUGES AND MANIFOLD ASSEMBLY SHALL MEET OR EXCEED WORKING PRESSURE OF THE TANKS TO BE MEASURED. Updated on: 3/30/2011 12:05:00 PM
3.4.6 CAT II Active	GAUGE, TOPSIDE FILLER AND GAUGE	VARIOUS	VARIOUS	General Notes: (1) (2) Apply. GAUGES AND MANIFOLD ASSEMBLY SHALL MEET OR EXCEED WORKING PRESSURE OF CHARGING SYSTEM ATTACHED TO. Updated on: 3/30/2011 12:05:00 PM
3.4.7 CAT II Active	KNIFE, NON-MAG	EOD	NON-MAGNETIC EOD 700-1765159	FOR NON-MAGNETIC AND NON-SPARKING APPLICATIONS. Updated on: 10/6/2010 7:42:00 AM
3.4.8 CAT II Active	MASK, NON-MAG	AQUA LUNG Name : Glen Rubin Phone : 850.249.7417	NON-MAGNETIC PN 5029-50	EOD NON-MAGNETIC SCUBA FACE MASK, AUTHORIZED FOR EOD AND SPECWAR DIVING REQUIRING NON-MAG SCUBA ACCESSORIES.  * Admin Comments : 6/16/09 - Manufacturer POC updated. Updated on: 3/30/2011 12:06:00 PM
3.4.9 CAT II Active	WEIGHT VEST, EOD CONTROLLED	EOD	MK 1 EOD DRY SUIT WEIGHT VEST	NAVSEA PEO MIW/PMS-EOD CONTROLLED ITEM. Updated on: 9/24/2010 8:45:00 AM
3.4.10 CAT I Inactive	TIMER/DEPTH GAUGE, COMMERCIAL	BEUCHAT	DIGITAL MCD-1 NON-MAGNETIC	NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE WITH THE MK 16 UBA. Updated on: 8/19/2011 11:04:00 AM
3.4.11 CAT II Active	COMBATANT DIVER DISPLAY	OCEANIC	CDDM	General Notes: (2) Apply. AUTHORIZED FOR USE WITH SCUBA AND MK25 MOD 2 (USMC ONLY).  THE CDDM IS AN ALTERNATE DISPLAY, IT DOES NOT REPLACE THE PRIMARY

				PRESSURE GAUGE (MK25/SCUBA) OF THE J VALVE. <i>Updated on: 8/10/2012 10:49:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
3.4.12 CAT I Active	HARNESS, COMMERCIAL	AQUA LUNG <i>Name : Glen Rubin</i> <i>Phone : 850.249.7417</i>	COMBAT SWIMMER HARNESS (CHS) PN 495506	General Notes: (2) Apply. N/A  <i>* Admin Comments : 5/18/2009 - Added to the AMU list.</i> <i>Updated on: 3/30/2011 12:08:00 PM</i>

4.1 RECALL/ONE-WAY COMMUNICATIONS				
NO General Notes				
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.1.1 CAT II Inactive	DIVER RECALL SYSTEM, COMMERCIAL	BENTOS, INC.	MODEL 4501B	WATERBORNE DIVERS SHOULD REMAIN SIX FEET FROM TRANSDUCER. NO LONGER MANUFACTURED BUT AUTHORIZED FOR CONTINUED USE. <i>Updated on: 3/18/2004 12:20:00 PM</i>
4.1.2 CAT II Active	BROADCASTER, COMMERCIAL	NAUTRONIX HELLE (FORMERLY HELLE ENGINEERING INC.)	MODEL 3510	N/A  <i>* Admin Comments : 6/17/10 - Helle Engineering Inc. no longer exists, but aquired into Nautronix (Marine Technology Solutions).</i> <i>Updated on: 6/17/2010 2:48:00 PM</i>
4.1.3 CAT II Active	DIVER AUDIO RECALL/ HYDROPHONE SYSTEM, COMMERCIAL	OCEAN TECHNOLOGY SYSTEMS (OTS) <i>Name : Ryan</i> <i>Lummus/John Hott</i> <i>Phone : 800.550.1984</i>	DRS-100 DRS-100B	MODEL DRS-100 NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE. MODEL DRS-100B REPLACES MODEL DRS-100.  <i>* Admin Comments : 5/11/10 - Status changed back to Active since DRS-100B still manufactured (confirmed bt 5/3/2010 Site Visit to OTS).</i> <i>Updated on: 9/24/2010 10:18:00 AM</i>
4.1.4 CAT II Active	ACOUSTIC DIVER SIGNALING DEVICE, COMMERCIAL	OCEAN ENGINEERING ENTERPRISES	DSD-6E	IF THE DSD-6E IS TO BE USED IN AN ENVIRONMENT IN WHICH FLAMMABLE GASES ARE PRESENT, INSTALL A MECHANICAL SWITCH ON THE POSITIVE BATTERY LEAD TO PRECLUDE TERMINAL SPARKING. DISCUSSIONS WITH THE MANUFACTURER INDICATE THAT A SWITCH OPTION MAY BE OFFERED ON FUTURE MODELS. OEE, 1638 COTTONWOOD DRIVE, NORTH CANTON, OHIO 44720, (330) 896-8816 <i>Updated on: 3/18/2004 12:20:00 PM</i>
4.1.5 CAT I Inactive	AUDIBLE RECALL DEVICE, EXPLOSIVE, COMMERCIAL	PROPELLEX CORPORATION	MK 137 MOD 0	NO LONGER MANUFACTURED NOR SUPPORTED, BUT STILL AUTHORIZED FOR CONTINUED USE.  USE AS LEAST 20 FT AWAY FROM DIVERS. DEVICE FIRES APPROXIMATELY 6 SECONDS AFTER INITIATION.  REFER TO NAVSEA SWO 60 FOR HANDLING PRECUATIONS.  <i>* Admin Comments : 4/21/11 - Moved from Section 4.2.</i>

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.1.6 CAT II  Active	ACOUSTIC DIVER RECALL SYSTEM	OCEAN ENGINEERING ENTERPRISES (OCEANEAR)	DRS-8-003/SA430 PATRIOT	DO NOT OPERATE THE DIVER RECALL SYSTEM IN ANY OF THE SIREN MODES WHEN DIVERS ARE WITHIN 25 FEET OF THE UNDERWATER SPEAKER AND UNDERWATER CABLE
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.1.7 CAT II  Active	PORTABLE DIVER RECALL SYSTEM	OCEAN TECHNOLOGY SYSTEMS (OTS) <b>Name</b> : Ryan Lummus <b>Phone</b> : 800-550-1984	PDR-100	* <b>Admin Comments</b> : Added to ANU 8/18/17 Updated on: 8/18/2017 2:14:00 PM

#### 4.2 THROUGH WATER COMMUNICATIONS

##### General Notes

(1): THROUGH WATER COMMUNICATION ASSEMBLIES ARE AUTHORIZED FOR USE WITH THE UBA MK 20 MOD 0/1 WHEN DIVING IN SCUBA MODE.

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.2.1 CAT II Inactive	RECALL DEVICE, COMMERCIAL	RJE INTERNATIONAL (FORMERLY EFCOM)	SC-125M/SC-120M/SC 100M SYSTEM	NO LONGER AUTHORIZED FOR PROCUREMENT, BUT STILL AUTHORIZED FOR CONTINUED USE.  COMPATIBLE WITH THE DIVATOR MKII FFM. Updated on: 4/21/2011 11:49:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.2.2 CAT II  Active	RECALL DEVICE, COMMERCIAL	ORCATRON COMMUNICATIONS LTD., DELTA, BC CAN	SCUBAPHONE ORCA RT-2000S SYSTEM	COMPATIBLE WITH THE DIVATOR MKII FFM. Updated on: 4/21/2011 11:49:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.2.3 CAT II Inactive	RECALL DEVICE, COMMERCIAL	OCEAN TECHNOLOGY SYSTEMS (OTS) <b>Name</b> : Ryan Lummus/John Hott <b>Phone</b> : 800.550.1984	AQUACOM SSB-1000S	NO LONGER MANUFACTURED BUT AUTHORIZED FOR CONTINUED USE. WILL CONTINUE TO BE SUPPORTED BY THE MANUFACTURER.  BASE STATION, SINGLE SIDE BAND ACOUSTIC TRANSCEIVER. REPLACED BY STX 101M (CAT III 4.3.4.3) Updated on: 9/24/2010 10:31:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.2.4 CAT II  Active	RECALL DEVICE, COMMERCIAL	OCEAN TECHNOLOGY SYSTEMS (OTS) <b>Name</b> : Ryan Lummus/John Hott <b>Phone</b> : 800.550.1984	MK-2 BUDDY PHONE	COMPATIBLE WITH THE DIVATOR MKII FFM AND MK-20 IN SCUBA MODE. INCLUDES PUSH TO TALK ASSEMBLY ME-1ER Updated on: 4/21/2011 11:48:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.2.4.1 CAT II  Active	DIVER TRANSCIEVER OR PORTABLE SURFACE STATION, COMMERCIAL	OCEAN TECHNOLOGY SYSTEMS (OTS) <b>Name</b> : Ryan Lummus/John Hott <b>Phone</b> : 800.550.1984	AQUACOM SSB-2010	COMPATIBLE WITH THE DIVATOR MK II FFM, MK 20, AND EXO-BR MS IN SCUBA MODE. COMPATIBLE WITH MK 25 MOD 0/2 UBA (P/N 900282-000) SSB-2001NO Updated on: 6/23/2014 12:06:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.2.4.2 CAT II Inactive	SURFACE STATION, COMMERCIAL	OCEAN TECHNOLOGY SYSTEMS (OTS) <b>Name</b> : Ryan Lummus/John Hott	STX-100	NO LONGER MANUFACTURED BUT AUTHORIZED FOR CONTINUED USE. WILL CONTINUE



		<b>Phone : 800.550.1984</b>		TO BE SUPPORTED BY THE MANUFACTURER.  BASE STATION FOR SSB-2001. REPLACED BY STX-101M. <i>Updated on: 9/24/2010 10:32:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.2.4.3 CAT II Active	SURFACE STATION, COMMERCIAL	OCEAN TECHNOLOGY SYSTEMS (OTS) <b>Name : Ryan Lummus/John Hott</b> <b>Phone : 800.550.1984</b>	STX-101M	UPGRADED BASE STATION FOR USE WITH AQUACOM SSB-1001B, SSB-2001, OR SSB-2010 <i>Updated on: 9/24/2010 10:30:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.2.5 CAT II Inactive	SURFACE STATION, COMMERCIAL	OCEAN TECHNOLOGY SYSTEMS (OTS) <b>Name : Ryan Lummus/John Hott</b> <b>Phone : 800.550.1984</b>	SSB 1000/1001	NO LONGER PRODUCED BUT STILL AUTHORIZED FOR USE. REPLACED BY SSB-1001B.  SSB 1000 IS SURFACE STATION, SSB 1001 IS DIVER TRANSCIEVER OR PORTABLE SURFACE STATION. <i>Updated on: 9/24/2010 10:33:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.2.6 CAT II Active	SURFACE ACCESSORY KIT, COMMERCIAL	OCEAN TECHNOLOGY SYSTEMS (OTS) <b>Name : Ryan Lummus/John Hott</b> <b>Phone : 800.550.1984</b>	AQUACOM CDK-6	WALK-ABOUT HEAD PHONE ACCESSORY, CONVERTS SSB-1000D/SSB-1001B AND SSB-1000 AND 2010 COMBINATION TO WALK ABOUT SUPERVISOR HEAD PHONE <i>Updated on: 9/24/2010 10:34:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.2.7 CAT II Active	RECALL DEVICE, COMMERCIAL	SAFARE-CROUZET	ERUS-2B5 & ERUS-2A5	ERUS-2B5 IS SURFACE UNIT, ERUS-2A5 IS DIVER WORN UNDERWATER UNIT. <i>Updated on: 2/2/2010 2:22:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.2.8 CAT II Inactive	RECALL DEVICE, COMMERCIAL	SUBCOM	MODEL 230D/S	NO LONGER AUTHORIZED FOR PROCUREMENT, BUT AUTHORIZED FOR CONTINUED USE. <i>Updated on: 2/2/2010 2:22:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.2.9 CAT II Active	RECALL DEVICE, COMMERCIAL	DIVECOM, INC.	DIVECOM MUC-100 & MUC-2000	MUC-100 IS A SURFACE-TO-DIVER COMMUNICATIONS UNIT. MUC-2000 ALLOWS DIVER-TO-DIVER AND DIVER-TO-SURFACE COMMUNICATION WHEN USED AS A SET WITH MUC-100.  THE DIVECOM SC-100 SURFACE WALK-ABOUT HEAD PHONE (CAT III ITEM) MAY ALSO BE USED WITH THIS SYSTEM AS AN ACCESSORY.  ORDER MUC-2000A FOR DIVATOR MKII FFM COMPATIBLE COMMUNICATIONS. ORDER MUC-2000E FOR EXO-BR MS COMPATIBLE COMMUNICATIONS. <i>Updated on: 4/21/2011 11:51:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.2.10 CAT II Inactive	RECALL DEVICE, COMMERCIAL	RJE INTERNATIONAL (FORMERLY EFCOM)	SCM-100M/120M/125M	NO LONGER MANUFACTURED BUT AUTHORIZED FOR CONTINUED USE.  PREVIOUSLY BUILT BY EFCOM.



Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
				SCM-100M IS DIVER MODULE, SCM-120M IS SURFACE ACCURACY KIT, SCM-125M IS SURFACE MODULE. <i>Updated on: 9/24/2010 10:35:00 AM</i>
<b>4.2.11</b> <b>CAT II</b> <b>Active</b>	RECALL DEVICE, COMMERCIAL	ORCATRON COMMUNICATIONS, LTD.	MODEL 2000-SPPAGM SCUBA PHONE	2000-SPPAGM IS 2 DIVER, 1 SURFACE UNIT SYSTEM. 2000S IS SURFACE UNIT, 2000D IS DIVER UNIT. NATO APPROVED, COMPATIBLE WITH AGA FFM. <i>Updated on: 2/3/2010 11:35:00 AM</i>
<b>4.2.13</b> <b>CAT II</b> <b>Active</b>	RECALL DEVICE, COMMERCIAL	OCEAN TECHNOLOGY SYSTEMS (OTS) <b>Name : Ryan Lummus/John Hott</b> <b>Phone : 800.550.1984</b>	AQUACOM SSB 1000D OR SSB-1001/SSB-1001B	SSB 1000D IS OLD DESIGNATION OF SSB-1001.5 WATT DIVER TRANCEIVER INCLUDING VOICE MENU.  COMPATIBLE WITH THE DIVATOR MKII FFM AND EXO-26BR IN SCUBA MODE. <i>Updated on: 4/21/2011 11:52:00 AM</i>
<b>4.2.14</b> <b>CAT II</b> <b>Inactive</b>	RECALL DEVICE, COMMERCIAL	SUBCOM	MODEL 230D	NO LONGER AUTHORIZED FOR PURCHASE, BUT AUTHORIZED FOR CONTINUED USE. <i>Updated on: 2/3/2010 11:33:00 AM</i>
<b>4.2.15</b> <b>CAT II</b> <b>Active</b>	THROUGH WATER COMMUNICATIONS	OCEAN TECHNOLOGY SYSTEMS (OTS)	SW-1000-SC MAG-1001S	SW-1000-SC IS DIVER WORN UNIT. MAG-1001S IS THE SURFACE UNIT.  <b>* Admin Comments : 09/04/03 - Added to the AMU List.</b> <i>Updated on: 9/7/2012 10:50:00 AM</i>
<b>4.2.16</b> <b>CAT II</b> <b>Active</b>	THROUGH WATER COMMUNICATIONS	OCEAN TECHNOLOGY SYSTEMS (OTS)	MAG-1003D (PN 900360) MAG 1003PS (PN 900371)	MAG-1003D IS THE DIVER WORN UNIT. MAG-1003PS IS THE SURFACE UNIT.  <b>* Admin Comments : 7/27/12 - Added to the AMU List.</b> <i>Updated on: 9/7/2012 10:50:00 AM</i>
<b>4.2.17</b> <b>CAT II</b> <b>Active</b>	HYBRID COMMUNICATIONS, COMMERCIAL	OCEAN TECHNOLOGY SYSTEMS (OTS) <b>Name : Ryan Lummus</b> <b>Phone : 800-550-1984</b> <b>Email : rlummus@oceantechnologysystems.com</b>	MAG-1004HS (DIVER UNIT) MAG-1004PS (SURFACE UNIT)	HYBRID SYSTEM CAPABLE OF BOTH THROUGH WATER AND HARD WIRE COMMUNICATIONS

### 4.3 HARDWIRE COMMUNICATIONS

#### General Notes

(1): This item does not include an internal Ground Fault Interrupter (GFI). This device must be used with a GFI protected outlet or an external GFI device.

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
<b>4.3.1</b> <b>CAT II</b>	HYDROCOM UW COMMUNICATION	ALLIANT TECH SYSTEMS, INC.	HCOM 1001000	NO LONGER AUTHORIZED FOR PROCUREMENT, BUT

Inactive	SYSTEM, COMMERCIAL			AUTHORIZED FOR CONTINUED USE. <i>Updated on: 9/24/2010 10:02:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.3.2 CAT II  Active	DIVER COMMUNICATION SYSTEM, COMMERCIAL	AMRON INTERNATIONAL	AMCOM III 2830A-01 (Replaced PN 2830A/24) 2830A-02 (Replaced PN 2830A/24/26DSP3) 2830A-03 (Replaced PN 2830A/24/28A) 2830A-05 (Replaced PN 2830A/24-MS) 2830A-06 (Replaced PN 2830A/24/28FDH-MS) 2830A-07 (Replaced PN 2830A/24/26DSP3-MS)	2830A-XX IS A 3-DIVER COMMUNICATIONS SYSTEM. MODEL NUMBERS LISTED ARE AUTHORIZED FOR USE.  HELMETS MUST BE OUTFITTED WITH AMRON EARPHONES/MICS. NOT COMPATIBLE WITH HYDROCOM OR HELLE EARPHONES/MICS.  PN 2830A/24 SERIES IS NO LONGER MANUFACTURED BUT IS STILL AUTHORIZED FOR CONTINUED USE.  <i>* Admin Comments : 8/18/11 - PN change 2830/24M/28FDH to 2830A/24. 7/15/2014 - Changed Manufacturer Info. 05/31/2018 - MWH - Updated Model number changes and configurations Updated on: 5/31/2018 2:43:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.3.3 CAT II  Active	HELIUM SPEECH UNSCRAMBLER, COMMERCIAL	NAUTRONIX HELLE (FORMERLY HELLE ENGINEERING INC.)	3315S	N/A  <i>* Admin Comments : 6/17/10 - Helle Engineering Inc. no longer exists, but acquired by Nautronix (Marine Technology Solutions). Updated on: 9/24/2010 9:58:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.3.3.1 CAT II  Active	AMCOM II HELIUM SPEECH UNSCRAMBLER, COMMERCIAL	AMRON INTERNATIONAL & DIVING SUPPLY INC.	AMRON PN 2825A-10 replaces PN 2825/24/26-MS	AMRON PN 2825A-10 TWO-DIVER DELUXE PORTABLE COMMUNICATOR WITH DSP HELIUM SPEECH UNSCRAMBLER AND MS CONNECTIONS  <i>* Admin Comments : 7/15/2014 - Updated Manufacturer Info. 05/31/2018 MWH - Updated with replacement PNs and corrected errors from notes Updated on: 5/31/2018 3:01:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.3.4 CAT II  Active	HELIUM SPEECH UNSCRAMBLER, COMMERCIAL	NAUTRONIX HELLE (FORMERLY HELLE ENGINEERING INC.)	-3315	N/A  <i>* Admin Comments : 6/17/10 - Helle Engineering Inc. no longer exists, but acquired by Nautronix (Marine Technology Solutions). Updated on: 9/24/2010 9:59:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.3.5 CAT II  Active	COMMUNICATION SET, COMMERCIAL	KIRBY MORGAN DIVE SYSTEMS INC.	PN 515-030	PN 515-030 INCLUDES EARPHONES (RIGHT PN 515-005, LEFT PN 515-006) & MICROPHONE (PN 515-009).  COMPATIBLE WITH AMCOM III PN 2830A/24. <i>Updated on: 8/18/2011 2:05:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments

4.3.5.1 CAT II Active	COMMUNICATION SET, COMMERCIAL	AMRON INTERNATIONAL	PN 1501-010, 1501-011N, 1501-014N, 1501-255 MN	PN 1501-010 INCLUDES EARPHONES (RIGHT PN 1501-012, LEFT PN 1501-013) & MICROPHONE (PN 1501-011). COMPATIBLE WITH ALL AMCOMS.  PN 1501-001N IS DYNAMIC MICROPHONE WITH EO CONNECTOR. PN 1501-014N EARPHONE SET WITH EO CONNECTOR. PN 1501-255M IS A PENETRATOR KIT WITH EO CONNECTORS.  <i>* Admin Comments : 8/18/11 - Separated from 3.5.5 7/15/2014 - Updated manufacturer Info. Updated on: 7/15/2014 7:54:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.3.6 CAT II Inactive	DYNAMIC HEAD PHONES, COMMERCIAL	RJE INTERNATIONAL (FORMERLY EFCOM)	DAR 1000 MOD 2	NO LONGER AUTHORIZED FOR PROCUREMENT, BUT AUTHORIZED FOR CONTINUED USE.  FOR RECOMPRESSION CHAMBER USE ONLY. <i>Updated on: 9/24/2010 10:03:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.3.7 CAT II Inactive	MICROPHONE SET, COMMERCIAL	NAUTRONIX HELLE (FORMERLY HELLE ENGINEERING INC.)	PN 3455, 10780, 10782	NO LONGER AUTHORIZED FOR PROCUREMENT, BUT AUTHORIZED FOR CONTINUED USE.  <i>* Admin Comments : 6/17/10 - Helle Engineering Inc. no longer exists, but aquired into Nautronix (Marine Technology Solutions). Updated on: 9/24/2010 10:02:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.3.8 CAT II Active	COMMUNICATION SET, COMMERCIAL	OCEAN TECHNOLOGY SYSTEMS (OTS)	BP-3MN, PN 900226-000 (SET) *BP-44B, PN 900080-001 (EARPHONE) *2PME, PN 910032-000 (MIC)	PRE-AMPLIFIED COMMUNICATION ASSEMBLY AUTHORIZED FOR USE WITH THE MK 20 MOD 0/1.  BP-44B HAS NEXUS CONNECTOR. 2PME HAS FEMALE AMP CONNECTOR.  <i>* Admin Comments : 09/05/12 - Removed 1PME preamplified mic (with E/O conenctor) since it is no longer manufactured or in line with the MK 20 tech manual. Updated on: 9/5/2012 2:41:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.3.9 CAT II Active	MICROPHONE, MILITARY	OCEAN TECHNOLOGY SYSTEMS (OTS) <i>Name : Ryan Lummus/John Hott Phone : 800.550.1984</i>	SDV 16	FOR USE WITH CLOSED CIRCUIT REBREATHER. <i>Updated on: 9/24/2010 10:16:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.3.11 CAT II Active	MICROPHONE ELEMENT, COMMERCIAL	OCEAN TECHNOLOGY SYSTEMS (OTS) <i>Name : Ryan Lummus/John Hott Phone : 800.550.1984</i>	M 101/A1C	COMPATIBLE WITH HYDROCOM SYSTEM ONLY. <i>Updated on: 9/24/2010 10:15:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments

4.3.12 CAT II Active	STRENGTH/ COMMUNICATIONS CABLE, NAVSEA CONTROLLED	STRENGTH/ COMMUNICATIONS CABLE/NEDU CODE 03D	NAVSEA DWGS 592- 5939961, 592-5939962, AND 592-5939963	REFER to NAVSEA DWGs 592- 5939961, 592-5939962, AND 592- 5939963 <i>Updated on: 9/24/2010 10:05:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.3.13 CAT II Active	MICROPHONE, COMMERCIAL	OCEAN TECHNOLOGY SYSTEMS (OTS) <i>Name : Ryan Lummus/John Hott</i> <i>Phone : 800.550.1984</i>	ME-16R	"HOT-MIC" NON-PREAMPLIFIED MICROPHONE ELEMENT USED IN VARIOUS COMMUNICATION ASSEMBLES INCLUDING EMA-2. <i>Updated on: 9/24/2010 10:14:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.3.14 CAT II Active	EARPHONE & MICROPHONE ASSEMBLY, COMMERCIAL	OCEAN TECHNOLOGY STSTEMS (OTS) <i>Name : Ryan Lummus/John Hott</i> <i>Phone : 800.550.1984</i>	EMA-2	EARPHONE/MIC ASSEMBLY FOR USE WITH SSB-2010 AND 1001B, STANDARD COMS WITH OTS HIGH USE IN WATER CONNECTOR. <i>Updated on: 9/24/2010 10:13:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.3.15 CAT II Active	THREE DIVER INTERCOM, COMMERCIAL	OCEAN TECHNOLOGY SYSTEMS (OTS) <i>Name : Ryan Lummus/John Hott</i> <i>Phone : 800.550.1984</i>	AQUACOM MK IV	FEATURES CHANGEABLE SUB- PANEL FOR THE UMBILICALS, ALLOWING COMMANDS TO SWITCH OUT BETWEEN BANANA & MS (OR ANY TYPE)CONNECTORS.  <i>* Admin Comments : 9/19/11 -</i> <i>Connector note added.</i> <i>Updated on: 9/19/2011 1:08:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.3.16 CAT II Active	EARPHONE & MICROPHONE ASSEMBLY, COMMERCIAL	OCEAN TECHNOLOGY SYSTEMS (OTS) <i>Name : Ryan Lummus/John Hott</i> <i>Phone : 800.550.1984</i>	KM EAR/MICROPHONES (SUPER MIC)	FOR USE IN MK-21 AND KM-37 MASKS  <i>* Admin Comments : 07/27/09 -</i> <i>Added to the AMU list.</i> <i>Updated on: 9/24/2010 10:13:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.3.17 CAT II Active	DIVER INTERCOM	OCEAN TECHNOLOGY SYSTEMS (OTS)	MK 7, PN 9000104-000 YAD-S SPLITTER, PN 910034-000 CR-4 COMROPE PN 910218/910219	DIVER TO DIVER & DIVER TO TOPSIDE HARDWARE COMMS.  Y SPLITTER ALLOWS 3 DIVERS ON A 2 DIVER COMMS BOX.  COMROPE AUTHORIZED FOR USE AS A STRENGTH MEMBER PROVIDED THAT IT'S APPROPRIATELY ATTACHED TO THE DIVER VIA AN ANU APPROVED HARNESS. NOTE THAT THE COMROPE IS NEGATIVELY BUOYANT.  <i>* Admin Comments : 08/23/12 -</i> <i>Added to the AMU List.</i> <i>03/27/12 - COMROPE approved as a</i> <i>strength member.</i> <i>Updated on: 3/10/2017 11:01:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.3.18 CAT II Active	COMMUNICATION SET	AMRON International	PN 1406A (SET) * PN 1406-2 (EARPHONE) * PN 1408 (DYNAMIC MICROPHONE)	NON-PREAMPLIFIED COMMUNICATION ASSEMBLY AUTHORIZED FOR USE WITH THE MK 20 MOD 0/1.  THE MICROPHONE ASSEMBLY (PN 1408) IS NOT WATERPROOF AND MUST BE KEPT CLEAN & DRY AT ALL TIMES. WATERPROOF COVER (PN 1414) SHALL BE UTILIZED.  <i>* Admin Comments : 09/05/12 -</i>

				Added to the AMU List to align with the MK 20 Tech Manual. 7/15/2014 - Updated manufacturer info. Updated on: 7/15/2014 7:55:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.3.19 CAT I Active	COMMUNICATION SET	OCEAN TECHNOLOGY SYSTEMS (OTS)	PN 910382-001 (SET) *EP-1 (EARPHONE) *ME-16R, PN 912086-000(MICROPHONE)	NON-PREAMPLIFIED COMMUNICATION ASSEMBLY AUTHORIZED FOR USE WITH THE MK 20 MOD 0/1.  * <b>Admin Comments</b> : 09/05/12 - Added to AMU List to align with MK 20 Tech Manual. Updated on: 9/6/2012 8:31:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
4.3.20 CAT II Active	THREE DIVER SURFACE INTERCOM, COMMERCIAL	OCEAN TECHNOLOGY SYSTEMS (OTS) <b>Name</b> : Ryan Lummus <b>Phone</b> : 800-550-1984 <b>Email</b> : rlummus@oceantechnologysystems.com	AQUACOM MK-III	General Notes: (1) Apply.  * <b>Admin Comments</b> : ADDED TO ANU 4/25/2018

5.1 GAS TRANSFER SYSTEMS				
NO General Notes				
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.1.1 CAT I Active	OXYGEN BOOSTER PUMP	HASKEL	MODELS 26968, 55016, 55312	FOR PORTABLE USE ONLY. NOT FOR PERMANENT INSTALLATION ABOARD SHIP.  HASKEL FILTER ASSEMBLIES 28728-10 AND 28728-12 NO LONGER AUTHORIZED FOR USE. HASKEL FILTER ASSEMBLIES 87260-10 & 87260-12 TO BE UTILIZED BY THE MANUFACTURER AS REPLACEMENT. CHASE SUPPLY FILTER F1018-30N4 AUTHORIZED AS A DIRECT DROP IN REPLACEMENT FOR IN-SERVICE EQUIPMENT.  SOF APPROVED. Updated on: 8/14/2012 12:55:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.1.2 CAT I Active	GAS TRANSFER SYSTEM	HASKEL	MODEL 5367002	FOR PORTABLE USE ONLY. NOT FOR PERMANENT INSTALLATION ON BOARD SHIP.  TWO INDEPENDENT BOOSTER SYSTEMS, (1) O2 & (1) HEO2. HASKEL FILTER ASSEMBLIES 28728-10 AND 28728-12 NO LONGER AUTHORIZED FOR USE. HASKEL FILTER ASSEMBLIES 87260-10 & 87260-12 TO BE UTILIZED BY THE MANUFACTURER AS REPLACEMENT. CHASE SUPPLY FILTER F1018-30N4 AUTHORIZED AS A DIRECT DROP IN REPLACEMENT FOR IN-SERVICE EQUIPMENT. Updated on: 8/14/2012 12:56:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.1.3 CAT I Active	OXYGEN TRANSFER PUMP	AMINCO	AOC 250 & OA 25	Updated on: 8/14/2012 2:55:00 PM

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.1.5 CAT I Inactive	OXYGEN TRANSFER PUMP	THE DURIRON COMPANY, INC. (PPI DIVISION)	1040-A 3081M	PPI PUMP MODIFIED BY FLUITRON. NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR USE. <i>Updated on: 11/1/2013 11:52:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.1.7 CAT I Active	GAS BOOSTER PUMP AND CHARGING CASE	HIGHSTAR INDUSTRIAL TECHNOLOGIES <b>Name</b> : Larry Murphy <b>Phone</b> : 757.398.9300	HS-121055M2/HS-032628M2	SOF APPROVED.  <b>* Admin Comments</b> : 4/20/09 - Added to the AMU List. <i>Updated on: 8/14/2012 2:56:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.1.8 CAT I Inactive	OXYGEN BOOSTER PUMP	MARINE SERVICES COMMERCIAL DIVING COMPANY, INC.	MS-H-201	HASKEL BOOSTER PUMP ASSY, MODEL 26968, MODIFIED BY MARINE SERVICES. NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR USE.  SOF APPROVED.  <b>* Admin Comments</b> : 3/25/11 - Added to the AMU List. <i>Updated on: 11/1/2013 10:29:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.1.9 CAT I Active	PORTABLE AIR FILL STATION	BAUER	BRIEFCASE FILL STATION NAVY	USED IN CONJUNCTION WITH AN AIR-STORAGE SYSTEM AND/OR AN AIR COMPRESSOR UNIT TO CHARGE CYLINDERS.  A RELIEF VALVE SET TO RELIEVE AT 10% OVER THE RATED CAPACITY OF THE CYLINDERS BEING CHARGED SHALL BE UTILIZED BETWEEN THE CHARGING HOSE AND CYLINDER. THIS RELIEF VALVE IS NOT PART OF THE OEM PACKAGE AND MUST BE PROCURED SEPARATELY AS PART OF THE "NAVY" VERSION. APPROPRIATE PMS (MIP 5921/181 FADS III) SHALL BE CONDUCTED ON THE RELIEF VALVE.  ENSURE THAT CERTIFICATION OF CONFORMANCE (COC) IS RECEIVED FROM THE MANUFACTURER STATING THAT THE RELIEF VALVE IS CLEANED TO THEIR COMPRESSOR STANDARDS.  THE "NAVY" VERSION OF THIS ITEM SHOULD BE OUTFITTED WITH CHARGING WHIPS WITH RELIEF VALVES RATED FOR 3000 PSI AND 3300 PSI FLASK CHARGING. A CALIBRATED CHARGING WHIP GAUGE SHOULD BE INSTALLED ON THE CHARGING WHIPS TO ENSURE ACCURATE PRESSURE READINGS.  <b>* Admin Comments</b> : 08/08/12 - Approved for use. <i>Updated on: 11/1/2013 12:53:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.1.10 CAT I Active	OXYGEN BOOSTER PUMP	HYDRAULIC INTERNATIONAL, INC.	MODEL HIHPG2-21059	ELECTRIC MOTOR HAS TO BE ORDERED FOR THE SPECIFIC TYPE OF ELECTRICAL POWER AVAILABLE AT THE LOCKER:  PN HIHPG2-21059 (115 VAC, 24 AMPS, 1-PHASE, 60 HZ) PN HIHPG2-21059-B (230 VAC, 12 AMPS, 1-PHASE, 60 HZ) PN HIHPG2-21059-C (230 VAC, 6.8 AMPS, 3-PHASE, 60 HZ)

				PN HIHPG2-21059-D (460 VAC, 3.4 AMPS, 3-PHASE, 60 HZ) PN HIHPG2-21059-E (380 VAC, 5.0 AMPS, 3-PHASE, 50 HZ) PN HIHPG2-21059-F (220 VAC , 12 AMPS, 1-PHASE, 50 HZ)  <i>* Admin Comments : 10/9/12 - Added to the AMU List.</i> <i>Updated on: 10/9/2012 10:08:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.1.11 CAT I Active	OXYGEN BOOSTER PUMP	HYDRAULIC INTERNATIONAL, INC.	HIHPG2-21070/A07302-O-A1-A2-PR-1330	ALLOWS USERS TO TAKE SUCTION FROM A LOW PRESSURE (50 PSIG) OXYGEN SOURCE AND BOOST PRESSURE UP TO 3000 PSIG.  THE GAS SUPPLY MUST NOT EXCEED 185 PSIG.  <i>* Admin Comments : 9/29/2014 - Added to AMU List</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.1.12 CAT I Active	GAS BOOSTER PUMP	HYDRAULICS INTERNATIONAL, INC.	HIHPG4-29035	SOF APPROVED  PORTABLE AIR DRIVEN GAS BOOSTER PUMP FOR USE IN CHARGING THE EX/MK-11 SDV (NAVSEA CERTIFIED SYSTEM)  <i>* Admin Comments : 10/1/2014 - Added to AMU List</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.1.13 CAT I Active	AIR BOOSTER PUMP	3D INSTRUMENTS	SIERRA ELECTRIC AIR BOOSTER 8000 & 9000 SERIES	<i>* Admin Comments : AUTHORIZED FOR USE WITH AIR ONLY. ANY USE WITH OXYGEN IS PROHIBITED</i>

## 5.2 HP COMPRESSORS

### General Notes

(1): DIVING AIR COMPRESSORS USED TO PROVIDE AIR FOR AFLOAT OR ASHORE DIVING AND/OR HYPERBARIC FACILITIES MAY BE EITHER OIL FREE DESIGN OR SUITABLE FOR USE WITH APPROVED LUBRICANTS IAW THE U.S. NAVY DIVE MANUAL, SS521-AG-PRO-010.

(2): ALL DIVING COMPRESSORS SHALL BE AIRCOOLED MULTI-STAGE TYPE WITH AN INTERCOOLER BETWEEN EACH STAGE, A FINAL AFTERCOOLER AND BE FITTED WITH AN APPROPRIATE MULTI TOWER AIR PURIFICATION /FILTRATION SYSTEM LISTED IN SECTIONS 5.5 OF THIS DOCUMENT. THE PURIFICATION SYSTEM SHALL PROCESS AIR TO CGA GRADE "E" STANDARDS. SPECIFY AT TIME OF ORDER AN AIR QUALITY TEST BE PERFORMED PRIOR TO SYSTEM SHIPMENT. A COPY OF THE AIR ANALYSIS REPORT SHALL BE INCLUDED IN THE COMPRESSOR DOCUMENTATION PACKAGE.

(3): PRIME MOVER MAY BE; DIESEL, GASOLINE OR ELECTRIC AS FITS THE SPECIFIC OPERATIONAL REQUIREMENTS OF THE UNIT EMPLOYING THE COMPRESSOR. FOR ELECTRICAL DRIVEN COMPRESSORS THAT MAY BE EMPLOYED OUT DOORS, SPECIFY A COMPRESSOR CABINET THAT IS CONSTRUCTED TO PROTECT THE COMPRESSOR SYSTEM ON ALL SIDES FROM INCLEMENT WEATHER. THE CABINET SHALL BE MADE OF ALUMINUM AND INCLUDE LIFTING EYES AND FORKLIFT SLOTS. THE LIFTING EYES SHALL BE A STRUCTURAL COMPONENT OF THE SKID AND SHALL BE ABLE TO SUPPORT THE WEIGHT OF THE ENTIRE PACKAGE.



(4): ALL DIVING AIR COMPRESSORS SHOULD HAVE THE FOLLOWING BASIC FEATURES: DRY ELEMENT INLET FILTER, MOISTURE SEPARATOR OR AIR PURIFICATION SYSTEM; OIL PRESSURE GAUGE; PRESSURE RELIEF VALVE FOR EACH COMPRESSOR STAGE; LOW OIL PRESSURE SHUTDOWN SWITCH; AUTOMATIC UN-LOADED; AUTOMATIC CONDENSATE DRAIN CAPABILITY; DISCHARGE CHECK VALVE; AND BELT/PULLEY GUARDS.

(5): FOR COMPRESSORS EQUIPPED WITH A VOLUME TANK, THAT TANK SHALL BE BUILT TO AND BE STAMPED IN ACCORDANCE WITH ASME SECTION VIII DIVISION 1 STANDARDS.

(6): ALL HIGH PRESSURE COMPRESSORS (SECTIONS 5.2 & 5.3) SHOULD ALSO BE EQUIPPED WITH: PRESSURE GAUGE FOR EACH STAGE, AFTER COOLER; HIGH TEMPERATURE SHUTDOWN SWITCH, HOUR-METER AND BACK PRESSURE REGULATOR.

(7): PER GENSPECS FOR NAVAL SHIPS S9AA-AA-SPN-010/GENSPEC; FITTINGS CONTAINING CADMIUM (I.E., PLATED FITTINGS AND BOLTS) ARE NOT AUTHORIZED IN SYSTEMS WHERE THE POTENTIAL EXISTS FOR TEMPERATURES OF 400 DEGREES F AND HIGHER, AND MAY COME INTO CONTACT WITH PETROLEUM PRODUCTS. WHEN PURCHASING A DIVING AIR COMPRESSOR SPECIFY THAT ALL FITTINGS/BOLTS BE STAINLESS OR OTHER SUITABLE MATERIAL THAT IS NOT CADMIUM.

(8): IF A COMPRESSOR SYSTEM IS NOT LISTED HEREIN AND A COMMAND DESIRES TO GAIN AUTHORIZATION FOR USE, SUBMIT A FORMAL REQUEST TO NAVSEASYS COM CODE 00C3, INCLUDE COMPLETE COPIES OF MANUFACTURER'S SPECIFICATIONS AND OPERATING PROCEDURES.

(9): ALL COMPRESSORS MUST BE VERIFIED AS PROVIDING DIVERS QUALITY AIR PRIOR TO CONNECTING INTO A DLSS OR USE IN CHARGING DLSS AIR FLASKS.

(10): SPECIFY AT THE TIME OF ORDER CALIBRATED PRESSURE GAUGES, HYDROTEST TEST CERTIFICATES FOR ALL SEPARATORS, PURIFICATION CHAMBERS, AND FLEX HOSE CHARGING WHIPS. ADDITIONALLY, ALL SAFETY RELIEF VALVES ARE TO BE EQUIPPED WITH A METAL TAG WIRED TO THE VALVE BODY INDICATING THE WORKING PRESSURE AND TEST DATE OF SAID VALVE.

(11): AN OPERATING PROCEDURE PLACARD SHALL BE POSTED ON THE COMPRESSOR LISTING OIL PRESSURE AND STAGE PRESSURE PARAMETERS AS LISTED IN THE MANUFACTURER'S TECHNICAL MANUAL.

(12): A COMPRESSOR LOG SHALL BE MAINTAINED WITH THE COMPRESSOR AT ALL TIMES. IT SHALL RECORD DATE, START/STOP HOUR-METER READINGS, CORRECTIVE/PREVENTIVE MAINTENANCE ACCOMPLISHED, THE COMPONENT THE COMPRESSOR IS CHARGING, PRESSURES NOT WITHIN PARAMETERS.

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.2.7 CAT I Active	HP AIR COMPRESSOR, COMMERCIAL	RIX INDUSTRIES	MODEL 4VX, 5000 PSI/27 SCFM	General Notes: (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) Apply. GENERAL NOTES APPLY <i>Updated on: 3/20/2006 1:53:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.2.9 CAT I Active	HP AIR COMPRESSOR, COMMERCIAL	RIX INDUSTRIES	2JS4B-150 5000 PSI, 60-100 SCFM	General Notes: (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) Apply. GENERAL NOTES APPLY AND CAN BE SET FOR 3,000, 4,500 OR 5,000 PSI SERVICE. <i>Updated on: 2/3/2010 12:04:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.2.15 CAT I Active	HP AIR COMPRESSOR, COMMERCIAL	RIX INDUSTRIES	1S3B-6G/E/D (SA-6G/E/D) 4500/3000 PSI, 5SCFM	GENERAL NOTES APPLY, MAY BE PROCURED FOR 4500 OR 3000 PSI SERVICE, G = GASOLINE, E = ELECTRIC, D = DIESEL.  * Admin Comments : 11/13/2014 - Updated to include Diesel drive option. <i>Updated on: 11/13/2014 12:20:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments

5.2.18 CAT I Active	HP AIR COMPRESSOR, COMMERCIAL	HARDIE-TYNES	3M-133 3000 PSI, 8 SCFM	GENERAL NOTES APPLY. <i>Updated on: 3/18/2004 12:21:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.2.22 CAT I Inactive	HP AIR COMPRESSOR 1H-4310-01-105-3074	INGERSOLL RAND	10T2 3000 PSI, 14 SCFM	GENERAL NOTES APPLY. MK 31 MOD 0, APL: 069990020 NO LONGER MANUFACTURED BUT AUTHORIZED FOR CONTINUED USE AND WILL CONTINUE TO BE SUPPORTED BY MANUFACTURER. 10T2 REPLACED BY 15T4. <i>Updated on: 2/3/2010 12:46:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.2.24 CAT I Active	HP AIR COMPRESSOR, COMMERCIAL	RIX INDUSTRIES	3K3B-44 3000 PSI, 20/30 SCFM	GENERAL NOTES APPLY. 20 OR 30 SCFM IS DEPENDENT ON PRIME MOVER. MAY BE USED FOR 4,500 PSI SERVICE. <i>Updated on: 2/3/2010 12:49:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.2.25 CAT I Inactive	HP AIR COMPRESSOR 9C-4310-01-172-3140	INGERSOLL RAND	4R15,15T4 3000 PSI, 20 SCFM	GENERAL NOTES APPLY 4R15 IS NO LONGER MANUFACTURED BUT AUTHORIZED FOR CONTINUED USE AND WILL CONTINUE TO BE SUPPORTED BY MANUFACTURER. 15T4 REMAINS CURRENT PRODUCTION MODEL. <i>Updated on: 2/3/2010 12:48:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.2.28 CAT I Active	HP AIR COMPRESSOR 1H-4310-00-779-5238	VARIOUS	MIL-C-18419, 3000PSI, 60 -100 SCFM	GENERAL NOTES APPLY. THESE MIL-SPEC HPACs ARE FOR PERMANENTLY INSTALLED SHIPBOARD USE. <i>Updated on: 6/16/2010 4:13:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.2.33 CAT I Active	HP AIR COMPRESSOR, COMMERCIAL	BAUER	VARIOUS	General Notes: (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) Apply.  * <b>Admin Comments</b> : 10/6/2014 - Added to AMU list to consolidate authorization of air compressors by manufacturer.  SUPERSEDED BY ITEM 5.2.33 <i>Updated on: 8/4/2015 3:54:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.2.34 CAT I Active	HP AIR COMPRESSOR, COMMERCIAL	MAKO	VARIOUS	General Notes: (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) Apply.  * <b>Admin Comments</b> : 10/6/2014 - Added to AMU list to consolidate authorization of air compressors by manufacturer.  SUPERSEDED BY ITEM 5.2.33 <i>Updated on: 8/4/2015 3:54:00 PM</i>

5.3 MP & LP COMPRESSORS				
<b>NO General Notes</b>				
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.3.1 CAT I Active	MP AIR COMPRESSOR, COMMERCIAL	RIX INDUSTRIES	2JS2B-300 400 PSI, 150 SCFM	COMPRESSOR IS OIL FREE DESIGN. <i>Updated on: 9/24/2010 11:17:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.3.2 CAT I	MP AIR COMPRESSOR, COMMERCIAL	QUINCY	5120, W-5120LPH 250 PSIG, 87 SCFM	NO LONGER MANUFACTURED BUT AUTHORIZED FOR CONTINUED USE. WILL

Inactive				CONTINUE TO BE SUPPORTED BY MANUFACTURER. <i>Updated on: 9/24/2010 11:17:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.3.3 CAT I Active	LP AIR COMPRESSOR, COMMERCIAL	AQUA AIR INDUSTRIES INC.	AA1 325 200 PSIG, 18 SCFM	N/A  * <b>Admin Comments</b> : 8/1/11 - Removed note requiring additional approval from NAVSEA. <i>Updated on: 8/1/2011 1:08:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.3.4 CAT I Inactive	LP AIR COMPRESSOR, COMMERCIAL	ATLAS COPCO	18LT8BE200 PSIG, 20 SCFM	NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR USE. <i>Updated on: 10/28/2013 2:09:00 PM</i>

#### 5.4 COMPRESSOR AIR PURIFICATION SYSTEMS

##### General Notes

(1): FAILURE TO PERFORM MANUFACTURER REQUIRED MAINTENANCE CAN RESULT IN PREMATURE DLSS COMPONENT FAILURES AND POSSIBLY CAUSE DIVER INJURY. ENSURE PROPER PMS COVERAGE PRIOR TO USE.

(2): INDUSTRIAL AIR PURIFICATION CARTRIDGES DO NOT REMOVE CARBON MONOXIDE AND MUST NOT BE USED IN BREATHING AIR APPLICATIONS. USE ONLY MANUFACTURER RECOMMENDED FILTER ELEMENTS IN BREATHING AIR FILTRATION SYSTEMS

(3): BREATHING AIR PURIFICATION SYSTEMS SHALL BE SIZED APPROPRIATELY TO MATCH THE OUTPUT CAPACITY OF THE SELECTED AIR COMPRESSOR

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.4.6 CAT I Inactive	PURIFICATION SYSTEM, COMMERCIAL	INGERSOLL RAND	EAGLE 50LB083	General Notes: (1) (2) Apply. NO LONGER MANUFACTURED BUT AUTHORIZED FOR CONTINUED USE. WILL CONTINUE TO BE SUPPORTED BY MANUFACTURER.  77,600 FT3 @ 80°F, 20 CFM @ 3000 PSI FOR USE WITH INGERSOLL RAND MODEL 15TH4.  77,600 FT3 @ 800F, 20 CFM @ 3000 PSI FOR USE WITH INGERSOLL RAND MODEL 15TH4.  * <b>Admin Comments</b> : 02/29/00 - Inactive. <i>Updated on: 6/24/2013 9:34:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.4.17 CAT I Active	PURIFICATION SYSTEM, COMMERCIAL	BAUER	VARIOUS	General Notes: (1) (2) (3) Apply.  * <b>Admin Comments</b> : 10/6/2014 - Added to AMU list to consolidate authorization of purification systems by manufacturer.
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.4.18 CAT I Active	PURIFICATION SYSTEM, COMMERCIAL	MAKO	VARIOUS	General Notes: (1) (2) (3) Apply.  * <b>Admin Comments</b> : 10/6/2014 - Added to AMU list to consolidate authorization of purification systems by manufacturer.
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.4.19 CAT I Active	PURIFICATION SYSTEM, PORTABLE	BAUER	PAFA	PORTABLE AIR PURIFICATION SYSTEM THAT CAN BE HOOKED UP TO ANY AIR COMPRESSOR. MAXIMUM OPEARTING PRESSURE OF 6,000 PSIG. CAPABLE OF

				<p>PROCESSING UP TO 12,000 CU. FT. OF AIR.</p> <p>THE USE OF THIS FILTER AND PORTABLE AIR MONITOR (PAM) DOES NOT REMOVE THE NEED FOR A WAIVER WHEN USING COMMERCIALY PROCURED AIR FROM A SOURCE THAT DOES NOT MEET TABLE 4-2 OF THE USN DIVE MANUAL.</p> <p><i>* Admin Comments : 6/22/2015 - Added to AMU list</i></p> <p><i>Updated on: 6/22/2015 2:32:00 PM</i></p>
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5.5 SODALIME CARBON DIOXIDE ABSORBENTS				
General Notes				
(1): ONLY "NON-INDICATING" SODALIME PRODUCTS ARE AUTHORIZED FOR USE.				
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.5.1 CAT I Active	CO2 ABSORBENTS	W. R. GRACE & CO.	HIGH PERFORMANCE SODASORB, REGULAR	General Notes: (1) Apply. THIS IS A 4 - 8 MESH SODALIME <i>Updated on: 6/24/2013 9:27:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.5.2 CAT I Active	CO2 ABSORBENTS	MOLECULAR PRODUCTS LTD.	SOFNOLIME 408 MESH NI L GRADE	General Notes: (1) Apply. THIS IS A 4 - 8 MESH SODALIME. <i>Updated on: 6/24/2013 9:27:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.5.3 CAT I Active	CO2 ABSORBENTS	MOLECULAR PRODUCTS LTD.	SOFNOLIME 812 MESH NI D GRADE	General Notes: (1) Apply. THIS IS A 8 - 12 MESH SODALIME. <i>Updated on: 6/24/2013 9:27:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.5.4 CAT I Active	CO2 ABSORBENTS	DRAEGER	DIVE SORB PRO PN 67-37062	AUTHORIZED FOR USE ONLY WITH THE MK 25 UBA AND RECOMPRESSION CHAMBERS WHICH HAVE A CO2 MONITORING CAPABILITY. THIS IS A 5-8 MESH SODALIME. <i>Updated on: 6/24/2013 9:27:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.5.5 CAT I Active	EXTENDAIR CO2 ABSORBENT	MICROPORE Inc.	MK25 SYSTEM KIT PN: MP-1130K  MK25 MICROPORE ABSORBENT CARTRIDGE (CASE QTY6) PN: SM-0505C  MODE MICROPORE ABSORBENT CARTRIDGE (CASE QTY4) PN: SM-0625C	RESTRICTED USE AS CERTIFIED BY 00C4 <i>Updated on: 9/27/2016 9:19:00 AM</i>

5.6 GAS ANALYSIS EQUIPMENT
General Notes
(1): ANALYZERS USED INSIDE A HYPERBARIC CHAMBER SHALL BE CALIBRATED PRIOR TO USE.

(2): NICAD RECHARGEABLE BATTERIES SHALL NOT BE USED INSIDE OF A HYPERBARIC CHAMBER. ONLY SEALED ALKALINE BATTERIES CAN BE USED INSIDE A HYPERBARIC CHAMBER.

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.6.1 CAT I Active	CARBON DIOXIDE ANALYZER HAND PUMP, COMMERCIAL	DRAEGER	MODEL 21, 31 & ACCURO	N/A <i>Updated on: 12/20/2013 9:18:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.6.2 CAT I Active	CO2 COLORMATIC TUBE, COMMERCIAL	DRAEGER	PN CH 23501	.1 TO 6% RANGE <i>Updated on: 12/20/2013 9:19:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.6.3 CAT I Active	COLORMETRIC GAS TUBES, COMMERCIAL	DRAEGER	VARIOUS RANGES	COLORMETRIC TUBES MAY BE PURCHASED AS REQUIRED TO MEET LOCAL GAS AND VAPOR ANALYSIS REQUIREMENTS. <i>Updated on: 12/20/2013 9:19:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.6.4 CAT I Inactive	CARBON DIOXIDE MONITOR, COMMERCIAL ITEM	ANALOX	5000/5001-USN	General Notes: (1) Apply. THE 5000-USN VERSION IS NO LONGER MANUFACTURED BUT IS STILL AUTHORIZED FOR CONTINUED USE. <i>Updated on: 12/20/2013 9:20:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.6.5 CAT I Inactive	OXYGEN ANALYZER PORTABLE, COMMERCIAL	TELEDYNE	320 B	NICAD RECHARGEABLE BATTERIES SHALL NOT BE USED INSIDE RECOMPRESSION CHAMBERS.  NO LONGER MANUFACTURED NOR SUPPORTED BUT AUTHORIZED FOR CONTINUED USE.  * <b>Admin Comments</b> : 7/13/11 - Removed 320 A & C as 320B is the only model authorized for use inside a hyperbaric chamber. <i>Updated on: 12/20/2013 9:20:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.6.6 CAT I Active	OXYGEN ANALYZER, COMMERCIAL	TELEDYNE	326 (SERIES)	N/A <i>Updated on: 12/20/2013 9:19:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.6.7 CAT I Inactive	OXYGEN ANALYZER, COMMERCIAL	ANALOX	SERIES 1000	NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR USE.  * <b>Admin Comments</b> : 12/19/13 - Changed status to inactive. <i>Updated on: 12/20/2013 9:20:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.6.8 CAT I Inactive	OXYGEN ANALYZER, COMMERCIAL	TELEDYNE	TED 60-T	NICAD RECHARGEABLE BATTERIES SHALL NOT BE USED INSIDE RECOMPRESSION CHAMBERS.  NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE.  * <b>Admin Comments</b> : 4/14/11 - Inactive. <i>Updated on: 12/20/2013 9:20:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.6.9 CAT I	PORTABLE MINI OXYGEN ANALYZER,	ANALOX	MINI-02-1	DESIGNED TO VERIFY O2 LEVELS IN NITROX AND HELIOX CYLINDERS,

Inactive	COMMERCIAL			MONITOR COMPRESSOR OUTPUT FOR O2 LEVELS IN DIVING CHAMBERS AND IN OTHER MEDICAL APPLICATIONS.  NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE.  <i>* Admin Comments : 7/13/11 - Inactive. Updated on: 12/20/2013 9:20:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.6.10 CAT I Inactive	PORTABLE CARBON DIOXIDE ANALYZER, COMMERCIAL	ANALOX	(501) MINI-CO2 PORTABLE CO2 ANALYZER	OPERATES UNDER TWO RANGES: 0.1 PERCENT TO 5 PERCENT CO2 (501-5), 0.01 PERCENT TO 2 PERCENT CO2 (501-2).  DIGITAL READOUT WITH AUDIBLE ALARM. WATER RESISTANT, RECHARGEABLE BATTERIES.  NO LONGER MANUFACTURED OR SUPPORTED, BUT STILL APPROVED FOR USE.  <i>* Admin Comments : 9/29/99 - Inactive. Updated on: 12/20/2013 9:21:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.6.11 CAT I Active	CARBON DIOXIDE ANALYZER, COMMERCIAL	GEOTECHNICAL INSTRUMENTS LTD. <i>Name : Steve Billingham Phone : +44(0)1926 338112</i>	ANAGAS MODEL HB 1.2A	MEASURES CO2 UP TO 2.5 PERCENT OF SEV AND O2 FROM 0 TO 2 ATA ppO2 AT PRESSURES FROM 1 TO 6 ATA. THE ANAGAS MODEL HB 1.2A IS A SPECIFICALLY MODIFIED UNIT FOR NAVY USE, AND IS DESIGNED FOR USE INSIDE CHAMBERS USE IN HIGH HUMIDITY, I.E., DDS. NOTE: ONLY THE ANAGAS MODEL HB 1.2A (ID'D BY A BLUE CASE) IS AUTHORIZED.  <i>* Admin Comments : 8/18/15 - Updated to provide correct model number of the current unit in use which analyzes both CO2 and O2. The original unit HB 1.1 only analyzed CO2. Updated on: 8/18/2015 9:28:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.6.12 CAT I Inactive	CO2 MONITOR, COMMERCIAL	ANALOX	DA, 5DS P/N	NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR USE.  P/N 5DA HAS RANGE OF 0.01 TO 2.00% AND IS FOR AIR CHAMBER USE. P/N 5DS HAS RANGE OF 1-9999 PPM AND IS FOR SAT CHAMBER USE.  <i>* Admin Comments : 12/19/13 Changed status to inactive Updated on: 12/20/2013 9:21:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.6.13 CAT I Inactive	CO MONITOR, COMMERCIAL	ANALOX	MODEL 3D	NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR USE.  FIXED INSTALLATION OPERATION UNDER NORMAL ATMOSPHERIC PRESSURE (1 ATA) CONDITIONS. RANGE OF MEASUREMENT CAN BE SPECIFIED AT TIME OF ORDERING. AUDIBLE ALARM. LCD DISPLAY.  <i>* Admin Comments : 12/19/13 - Changed status to inactive Updated on: 12/20/2013 9:21:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.6.14	O2 / CO2 COMBINED	ANALOX	SUB E-IR15P	NO LONGER MANUFACTURED BUT STILL



CAT I Inactive	MONITOR, COMMERCIAL			AUTHORIZED FOR USE. PORTABLE, BATTERY POWERED, COMBINATION OXYGEN AND CARBON DIOXIDE MONITOR FOR USE INSIDE OR OUTSIDE OF A HYPERBARIC CHAMBER. MEASURES O2 LEVELS IN RANGE OF 0- 2000 MBAR PPO2. MEASURE CO2 CONCENTRATIONS FROM 0 TO 50 MBAR PPCO2.  * <b>Admin Comments</b> : 3/21/11 - Corrected PN from E-1R-15P to PN E-IR15P as based on the NEDU TM 98-05.  11/15/13 - Changed to Inactive. new model available model # SUB MKIIP, but has not yet been evaluated and AMU. Updated on: 12/20/2013 9:21:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.6.15 CAT I Inactive	CO2 ANALYZER, COMMERCIAL	ANALOX	"BUDDY" CO2	NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE.  PORTABLE, BATTERY POWERED. FOR EXTERNAL MONITORING OF HYPERBARIC CHAMBER ENVIRONMENT.  RECALIBRATION SOFTWARE ALLOWS COMMANDS TO CONDUCT ANNUAL CALIBRATION. CALIBRATION AND OTHER SERVICING IS AVAILABLE VIA THE DISTRIBUTOR. Updated on: 12/20/2013 9:21:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.6.16 CAT I Active	PORTABLE AIR MONITOR, NAVSEA CONTROLLED ITEM	GEOTECHNICAL INSTRUMENTS LTD. <b>Name</b> : STEVE BILLINGHAM <b>Phone</b> : +44 (0)1926 338111	GEOTECH DIVEAIR2	USE IAW THE U.S.NAVY DIVE MANUAL. Updated on: 9/2/2015 9:02:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.6.17 CAT I Active	O2/CO2 COMBINED MONITOR, COMMERCIAL	ANALOX <b>Name</b> : Michael Blass <b>Phone</b> : 760.208.6518	SUB ASPIDA	PORTABLE, BATTERY POWERED GAS MONITOR FOR CO2 & O2. FOR EXTERNAL MONITORING OF HYPERBARIC CHAMBER ENVIRONMENT.  RECALIBRATION SOFTWARE ALLOWS COMMANDS TO CONDUCT ANNUAL CALIBRATION. CALIBRATION AND OTHER SERVICING IS AVAILABLE VIA THE DISTRIBUTOR.  THE CO2 SENSOR REQUIRES CALIBRATION ON A YEARLY BASIS WITH A CALIBRATION GAS OF 3% CO2 IN N2 TO CALIBRATE THE HIGH & 100% N2 TO CALIBRATE THE ZERO POINTS.  * <b>Admin Comments</b> : 10/27/11 - Added to the AMU List Updated on: 3/30/2015 3:39:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.6.18 CAT I Active	O2/CO2 COMBINED MONITOR, COMMERCIAL	GEOTECHNICAL INSTRUMENTS LTD	HYB 2.0	General Notes: (1) Apply. PMS 399 CONTROLLED ITEM.  MEASURES CO2 UP 30,000 PPM SEV AND OXYGEN UP TO 0 TO 25% (ABSOLUTE) AND 0 TO 2 PPATA. SWITCHING OXYGEN UNITS FROM PERCENT TO PARTIAL PRESSURE CAN BE DONE IN THE FIELD.  THE GEOTECH MODEL HYB 2.0 IS A



				<p>SPECIFICALLY MODIFIED UNIT FOR NAVY USE, AND IS DESIGNED FOR USE INSIDE CHAMBERS USE IN HIGH HUMIDITY, I.E., DDS, FOR A DEPTH RANGE OF 0 TO 6 ATA.</p> <p>ANCILLARY COMPONENTS PROVIDED BY THE OEM FOR THIS UNIT ARE:                  GEOTECH P/N HYB1.11 - CAL GAS REGULATOR AND CONNECTING TUBING                  GEOTECH P/N HYB1.16 - ANALYZER DATA MANAGER (ADM) SOFTWARE                  GEOTECH P/N HYB1.18 - LEAD FOR 28 VDC EXTERNAL POWER SUPPLY</p> <p>OPERATING PROCEDURES FOR THIS UNIT SHALL BE IN ACCORDANCE WITH NEDU TR 15-1 APPENDIX A, OR APPROVED BY PMS 399 OR NAVSEA 00C3.</p> <p><i>* Admin Comments : 11/3/2015 - Added to ANU list</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
5.6.19 CAT I Active	PORTABLE AIR MONITOR, NAVSEA CONTROLLER ITEM	ANALOX <b>Name</b> : Jo Burke <b>Phone</b> : +44 (0) 1642 715952 <b>Email</b> : jo.burke@analox.biz	ACG+ Analyzer	<p>NAVSEA CONTROLLED ITEM. CONTACT NAVSEA FOR ISSUANCE.</p> <p>OFFICIAL NAVY TECH MANUAL IS IN PROCESS. THE ANALOX USER MANUAL INCLUDED ON THE NAVSEA WEBSITE UNDER DIVING PUBLICATIONS IS PROVIDED AS INTERIM REFERENCE MATERIAL. ANY QUESTION AND/OR CONCERNS PLEASE CONTACT 00C3.</p> <p><i>Updated on: 2/9/2018 11:12:00 AM</i></p>

6.1 GROUND FAULT INTERRUPTERS				
General Notes				
(1): USE OF AN EXTERNAL GFI IN A SYSTEM WITH AN INTERNAL GFI OR POWER SUPPLY WHICH IS CONNECTED TO A GFI CAN RESULT IN NULLIFYING THE ABILITY OF THE GFI TO OPERATE. FOR MORE INFORMATION REFER TO THE U.S. NAVY DIVE MANUAL, SS521-AG-PRO-010.				
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.1.1 CAT II Inactive	GFI	FLUID KINETICS	IM-4502	<p>General Notes: (1) Apply. NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE.</p> <p>NAVSEA 00C5 IS THE PROGRAM MANAGER FOR GFIs.</p> <p><i>* Admin Comments : 04/19/12 - Inactive. Fluid Kinetics was purchased in 2003 and no longer exists nor supports this product.</i></p> <p><i>Updated on: 8/7/2012 12:20:00 PM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.1.2 CAT II Inactive	GFI, COMMERCIAL	FLUID KINETICS	ARCTIC GFI, 2.5 Kw	<p>General Notes: (1) Apply. NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE.</p> <p>NAVSEA 00C5 IS THE PROGRAM MANAGER FOR GFIs.</p> <p><i>* Admin Comments : 04/19/12 - Inactive. Fluid Kinectis was purchased in 2003 and not longer exists nor supports this product.</i></p> <p><i>Updated on: 8/7/2012 12:28:00 PM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments

6.1.3 CAT II Inactive	GFI, COMMERCIAL	DANIEL WOODHEAD COMPANY	1670 (PORTABLE) 1680 (WALL MOUNTED)	General Notes: (1) Apply. NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE.  SPECIAL WIRING MODIFICATION REQUIRED FOR USE WITH UNGROUNDED POWER SYSTEMS.  NAVSEA 00C5 IS THE PROGRAM MANAGER FOR GFIS.  <i>Updated on: 8/7/2012 12:28:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.1.4 CAT II Active	GFI, PORTABLE	POWER ELECTRONIC SYSTEMS, INC.	PN 6698494	General Notes: (1) Apply. NAVSEA 00C5 IS THE PROGRAM MANAGER FOR PORTABLE GFIS.  * <b>Admin Comments</b> : 07/02/13 - Added to the AMU List. 08/20/13 - Changed category from I to II. Original label of Cat I was an error.  <i>Updated on: 8/20/2013 12:15:00 PM</i>

## 6.2 PHOTOGRAPHIC AND VIDEO EQUIPMENT

### General Notes

(1): AUTHORIZED AS CAT II DIVER PREFERENCE FOR IN-WATER APPLICATIONS ONLY. CAMERA AND VIDEO EQUIPMENT IS NOT CONSIDERED CAT II FOR INSTALLATION IN HYPERBARIC CHAMBERS.

(2): EQUIPMENT THAT UTILIZES LITHIUM BATTERIES SHALL MEET THE REQUIREMENTS PER (1) NAVESEA INSTRUCTION 9310.1B, NAVAL LITHIUM BATTERY SAFETY PROGRAM & (2) NAVEA S9310-AQ-SAF-010, THE TECHNICAL MANUAL FOR NAVY LITHIUM BATTERY SAFETY PROGRAM RESPONSIBILITIES AND PROCEDURES.

(3): THE VOLTAGE AT THE DIVER OF ANY CAT II EQUIPMENT SHALL NOT BE MORE THAN THE "SAFE" LEVEL PER (1) IMCA D 045, THE CODE OF PRACTICE FOR THE SAFE USE OF ELECTRICITY UNDER WATER & (2) NAVSEA TS500-AU-SPN-010, U.S. NAVY GENERAL SPECIFICATION FOR THE DESIGN, CONSTRUCTION, AND REPAIR OF DIVING AND HYPERBARIC EQUIPMENT.

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.1 CAT II Active	UNDERWATER STILL PICTURE CAMERA, BATTERY POWER	VARIOUS	DIVER PREFERENCE	General Notes: (1) (2) (3) Apply. <i>Updated on: 8/14/2012 8:16:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.2 CAT II Active	UNDERWATER VIDEO CAMERA, BATTERY POWER	VARIOUS	DIVER PREFERENCE	General Notes: (1) (2) (3) Apply. <i>Updated on: 8/14/2012 8:16:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.3 CAT II Active	UNDERWATER VIDEO CAMERA, UMBILICAL POWER	DIVER PREFERENCE	DIVER PREFERENCE	General Notes: (1) (3) Apply. <i>Updated on: 3/24/2017 2:12:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.4 CAT II Inactive	STROBE LIGHT, BATTERY POWER	SUBSEA	MK 150	General Notes: (1) (2) (3) Apply. NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE. <i>Updated on: 8/14/2012 9:03:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.5 CAT II	ELECTRONIC FLASH, BATTERY POWER	NIKON INC.	NIKONOS SB 102, SB 105	General Notes: (1) (2) (3) Apply. NO LONGER MANUFACTURED BUT STILL

Inactive				AUTHORIZED FOR CONTINUED USE.  SB 103 UNITS RECALLED BY NIKON (1994) AND NO LONGER AUTHORIZED FOR USE. CONTACT MANUFACTURER FOR DETAILS. <i>Updated on: 8/14/2012 9:05:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.7 CAT II Inactive	UNDERWATER TELEVISION SYSTEM	KONGSBERG MARITIME	HYDRO COLOR TC-181	NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE.  <i>* Admin Comments : 02/22/00 - Inactive (2000). 08/14/12 - Formerly Hydro Products. Updated on: 8/14/2012 11:53:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.8 CAT II Active	CAMERA ASSEMBLY	KONGSBERG MARITIME	KONGSBERG SIMRAD DWG 082-0534	THIS ITEM REPLACES THE CAMERA/LIGHT ASSEMBLY ON THE DUCTS (DIVER UNDERWATER COLOR TV SYSTEM). USED IN CONJUNCTION WITH THE DUCTS SCU. REQUIRES AN ADAPTER FOR THE DUCTS UMBILICAL.  SMALL ENOUGH TO BE HELMET MOUNTED.  THE SYSTEM INCLUDES A LIGHT (DWG 998-2002 REV D, -1 VERSION) AND CABLE ADAPTER (DWG 082-0530 REV A).  REPLACES OSPREY ELECTRONICS VIDEO CAMERA PN OE 1365 (DWG 1365-9999 REV 0).  <i>* Admin Comments : 4/26/12 - Kongsberg Simrad became Kongsberg Maritime. Updated on: 8/14/2012 11:24:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.9 CAT II Active	UNDERWATER TELEVISION SYSTEM	KONGSBERG MARITIME	DUCT II DWG 082-0500	FOLLOW ON TO DUCT I SYSTEM (ANU #9.2.11).  <i>* Admin Comments : 4/26/12 - Kongsberg Simrad became Kongsberg Maritime. Updated on: 3/10/2017 11:03:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.11 CAT II Inactive	UNDERWATER TELEVISION SYSTEM	S-TRON	DUCTS I S-TRON DWG 110000 REV A	NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE.  SYSTEM INCLUDES SURFACE CONTROL UNIT (SCU), CAMERA, LIGHT AND UMBILICAL.  <i>Updated on: 8/14/2012 8:38:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.12 CAT II Inactive	UNDERWATER TELEVISION SYSTEM	KONGSBERG MARITIME	SEA BEE II,2D, CM-55	NO LONGER MANUFACTURED BUT AUTHORIZED FOR CONTINUED USE.  <i>* Admin Comments : 4/26/12 - Kongsberg Simrad became Kongsberg Maritime. Updated on: 8/14/2012 11:53:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.13 CAT II Active	LIGHT METER	SEKONIC	N/A	General Notes: (1) Apply. BATTERY POWERED  <i>Updated on: 8/14/2012 8:21:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.14	UNDERWATER	MPK-60	UNDERWATER TV	General Notes: (3) Apply.

CAT II Active	TELEVISION SYSYEM		SYSTEM SELF CONTAINED	Updated on: 8/14/2012 11:57:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.15 CAT II Active	DC POWER SUPPLY COMMERCIALY AVAILABLE	SONNICHIE	A-200	N/A Updated on: 3/18/2004 12:21:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.16 CAT II Active	DC POWER SUPPLY, COMMERCIAL	ACOPIAN & ADVANCED TECHNOLOGY RESEARCH	ACOPIAN PN W184Y1500, U28Y1500 ATR PN IS PS-28-15-M	N/A Updated on: 9/24/2010 12:26:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.17 CAT II Active	UNDERWATER BOREScope, NAVSEA CONTROLLED ITEM	NAVSEA	NAVSEA DWG 6697610 ESSM #UW 0324 ESSM #UW 0324A	THIS ITEM MUST BE POWERED AND RECEIVE GFI PROTECTION FROM THE DUCTS SURFACE CONTROL UNIT AND UMBILICAL.  ESSM #UW 0324A AUTHORIZED FOR USE WITH ANU ITEM 6.2.24 ONLY (ESSM #UW 2235). Updated on: 3/10/2017 11:04:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.18 CAT II Active	PIPE INSPECTION EQUIPMENT, COMMERCIAL	DEEPEA POWER AND LIGHT SEESNAKE	KD-VARIOUS DEPENDENT ON REEL LENGTH	FOUR INTERCHANGEABLE REELS AND CONTROLLERS. REELS 200' SEESNAKE, PN 744-00301-08 325' SEESNAKE, PN 744- 00301-09 100' MINI SEESNAKE, PN 744- 01201-01 200' MINI SEESNAKE, PN 744- 01201-02 CONTROLLERS POWER SUPPLY ONLY, PN 742-00901-01 MONITOR NO VCR, PN 742-010-001-01 MONITOR W/ VCR, PN 742-013-001-01 VIDEO SYSTEM MANAGER, PN 742-008-001-01 Updated on: 3/18/2004 12:21:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.19 CAT II Active	UNDERWATER TELEVISION SYSTEM, COMMERCIAL	KONGBERG MARITIME	MODEL OE 9021	CONTROL UNIT MODEL OE 1261 MUST BE ORDERED WITH DUCTS II LINE INSULATION MONITOR (PART NUMBER 1263-6011) WITH TRIP CURRENT SETTINGS IAW ANU STANDARDS FOR DUCTS II. THE CONTROL UNIT MUST ALSO BE ORDERED WITH A MODIFIED POWER INPUT CORD FITTED WITH GFCI PROTECTOR (PART NUMBER 302-0053- 00)  * <b>Admin Comments</b> : 4/26/12 - Kongsberg Simrad became Kongsberg Maritime. Updated on: 4/26/2012 1:06:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.20 CAT II Inactive	UNDERWATER TELEVISION SYSTEM, COMMERCIAL	OUTLAND TECHNOLOGY, INC. <b>Name</b> : Buddy Mayfield <b>Phone</b> : 985.847.1104	UWS-3010 UWS-3010D	UWS-3010 PROVIDES CAMERA AND LIGHT VIA UMBILICAL FOR ONE DIVER. UWS-3010D PROVIDES CAMERA AND LIGHT VIA UMBILICALS FOR TWO DIVERS. AC POWERED, INTERNAL ELECTRICAL PROTECTION.  * <b>Admin Comments</b> : 08/20/09 - This item is no longer manufactured. See AMU item 9.2.23. Updated on: 8/20/2009 10:48:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.21	UNDERWATER	OUTLAND TECHNOLOGY,	UWS-7010	UWS-7010 PROVIDES CAMERA AND

CAT II Active	TELEVISION SYSTEM, COMMERCIAL	INC.		LIGHT VIA UMBILICAL FOR ONE DIVER. HIGHLY PORTABLE PELICAN CASE CONFIGURATION. AC POWERED, INTERNAL ELECTRICAL PROTECTION. <i>Updated on: 9/24/2010 12:29:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.22 CAT II Active	UNDERWATER TELEVISION SYSTEM, COMMERCIAL	OUTLAND TECHNOLOGY, INC.	UWS-7550	UWS-7550 PROVIDES CAMERA AND LIGHT VIA UMBILICAL FOR ONE DIVER. HIGHLY PORTABLE PELICAN CASE CONFIGURATION. DC POWERED, INTERNAL ELECTRICAL PROTECTION. THE LIGHT USED WITH THIS SYSTEM IS LOW WATTAGE (TO CONSERVE BATTERIES), THEREFORE THE COVERAGE IS SLIGHTLY LESS THAN THE LIGHT PROVIDED WITH THE UWS-7010. <i>Updated on: 9/24/2010 12:30:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.23 CAT II Active	UNDERWATER TELEVISION SYSTEM, COMMERCIAL	OUTLAND TECHNOLOGY, INC. <i>Name : Buddy Mayfield Phone : 985.847.1104</i>	UWS-3210 UWS-3210D	UWS-3210 PROVIDES CAMERA AND LIGHT VIA UMBILICAL FOR ONE DIVER. USW-3210D PROVIDES CAMERA AND LIGHT VIA UMBILICALS FOR TWO DIVERS. AC POWERED, INTERNAL ELECTRICAL PROTECTION.  <i>* Admin Comments : Added to the AMU list 08/20/09. This item is an upgrade to AMU item 9.2.20 (UWS-3010 &amp; UWS 3010D). Updated on: 11/12/2013 1:56:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.24 CAT II Active	UNDERWATER VIDEO SYSTEM, ESSM CONTROLLED ITEM	ESSM	ESSM # UW 2235	N/A  <i>* Admin Comments : 7/12/10 - Added to the AMU List. Updated on: 9/24/2010 12:31:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.25 CAT II Active	FIBERSCOPE, COMMERCIAL	GENERAL ELECTRIC  <i>Name : John Percival Phone : 315.554.2069</i>	EVEREST XLG3 EVEREST XL PRO MENTOR VISUAL IQ	General Notes: (2) Apply. APPROVED WITH A DEPTH LIMITATION OF 32 FSW (1 BAR) AS STATED IN THE SPECIFICATIONS.  <i>* Admin Comments : 7/13/10 - Added to the AMU List. 2/27/2015 - Combined XLG3 and XL Pro into one item. Added MViQ. Updated on: 2/27/2015 9:28:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.27 CAT II Active	UNDERWATER ELECTRICAL FIELD DETECTOR, COMMERCIAL	FLUID KINETICS	UEFD-001	FORMERLY "WESTERN INSTRUMENTS" <i>Updated on: 8/24/2010 11:54:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.28 CAT II Active	UNDERWATER CONCRETE INSPECTION SYSTEM	NFESC	REBAR LOCATOR REBOUND HAMMER ULTRASONIC TEST SYSTEM  IAW NFESC 93-8-1F	PORTABLE GROUND FAULT INTERRUPTER REQUIRED. <i>Updated on: 8/24/2010 11:55:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.29 CAT II Active	DIVER VIDEO DISPLAY, NAVSEA CONTROLLED ITEM	SOUND METRICS CORPORATION	ADVANCED HEAD MOUNTED DISPLAY S3D-MA-023	CONTROLLED ITEM UNDER COMNAVSEASYS COM PMS NSW COGNIZANCE.  FOR SDV SOF USE ONLY.  <i>* Admin Comments : 08/08/12 - Added to the AMU List.</i>

Updated on: 8/17/2012 7:00:00 AM				
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.30 CAT II Active	UNDERWATER FIBERSCOPE, COMMERCIAL	ZIBRA CORPORATION <b>Name</b> : Jesse Plouffe <i>jesse@zibracorp.com</i> <b>Phone</b> : 508-636-6606	ZX4.4500.00FX6KIT	APPROVED FOR USE TO A DEPTH OF 50 FSW  <b>* Admin Comments</b> : 1/28/2014 - Updated model number to include 'KIT' <i>Updated on: 4/25/2014 2:17:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.31 CAT II Active	UNDERWATER VIDEO SYSTEM, COMMERCIAL	OUTLAND TECHNOLOGY, INC. <i>www.outlandtech.com</i> <b>Name</b> : Buddy Mayfield <b>Phone</b> : 985-847-1104 <b>Email</b> : <i>bmayfield@outlandtech.com</i>	UWS-3310 UWS-3310/D UWS 3310/dc	UWS-3310 PROVIDES CAMERA AND LIGHT VIA UMBILICAL FOR ONE DIVER. USW-3310/D PROVIDES CAMERA AND LIGHT VIA UMBILICALS FOR TWO DIVERS. AC POWERED, INTERNAL ELECTRICAL PROTECTION. UWS 3310/dc PROVIDES CANERA AND LIGHT VIA UMBILICAL FOR ONE DIVER AND IS AC AND DC POWERED.
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.32 CAT II Active	UNDERWATER VIDEO SYSTEM, COMMERCIAL	OUTLAND TECHNOLOGY, INC. <i>www.outlandtech.com</i>  <b>Name</b> : Buddy Mayfield <b>Phone</b> : 985-847-1104 <b>Email</b> : <i>bmayfield@outlandtech.com</i>	UWS-3410 UWS-3410/D UWS 3410/dc	UWS-3410 PROVIDES CAMERA AND LIGHT VIA UMBILICAL FOR ONE DIVER. USW-3410/D PROVIDES CAMERA AND LIGHT VIA UMBILICALS FOR TWO DIVERS. AC POWERED, INTERNAL ELECTRICAL PROTECTION. UWS 3410/dc PROVIDES CAMERA AND LIGHT VIA UMBILICAL FOR ONE DIVER AND IS AC AND DC POWERED. <i>Updated on: 5/19/2015 12:42:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.33 CAT II Active	UNDERWATER VIDEO SYSTEM, COMMERCIAL	ROVSCO, INC. <b>Name</b> : Jessica Mckenney  <b>Phone</b> : 281-858-6333	2-Diver Video System w/ SSD DVR DVU400-17	<i>Updated on: 2/17/2017 2:34:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.2.34 CAT II Active	UNDERWATER VIDEO CAMERA	OCEAN SYSTEMS INC. <b>Name</b> : JASON WHITTLE <b>Phone</b> : 425-258-0778 x204 <b>Email</b> : <i>jason@oceansystemsinc.com</i>	Delta Diver U.V.C.	<b>* Admin Comments</b> : Added to ANU 3/24/17 <i>Updated on: 3/24/2017 2:11:00 PM</i>

### 6.3 NAVIGATION & LOCATION EQUIPMENT

#### General Notes

(1): EQUIPMENT THAT UTILIZES LITHIUM BATTERIES SHALL MEET THE REQUIREMENTS PER (1) NAVESEA INSTRUCTION 9310.1B, NAVAL LITHIUM BATTERY SAFETY PROGRAM & (2) NAVEA S9310-AQ-SAF-010, THE TECHNICAL MANUAL FOR NAVY LITHIUM BATTERY SAFETY PROGRAM RESPONSIBILITIES AND PROCEDURES.

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.3.1 CAT II Active	DIVER OPERATED CABLE TRACKING SYSTEM	FLUID KINETICS	CTP 250 UNDERWATER TRACKING PROBE FBSI - 0.5 SHORE BASED SIGNAL INJECTOR	<b>* Admin Comments</b> : 09/24/10 - Fluid Kinetics formerly Western Instruments". <i>Updated on: 7/5/2012 2:54:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.3.2 CAT II Active	LOCATOR, BURIED PIPE AND CHAIN	NAVAL CIVIL ENGINEERING LAB (NCEL) OR COMMERCIAL	NFESC DWG 93-10-1F	<i>Updated on: 7/5/2012 2:53:00 PM</i>



Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.3.3 CAT II  Active	NAVIGATION SYSTEM	NFSEC OR COMMERCIAL	NAVAL CIVIL ENGINEERING LAB (NCEL) DWG 91-29-1F THRU 15F OR COMMERCIALY AVAILABLE	General Notes: (1) Apply. ELECTRICAL POWER IN WATER COMPONENTS NOT TO EXCEED 30 VDC.  SAFE DIVING DISTANCES FROM TRANSMITTING SONAR ARE ADDRESSED IN US NAVY DIVING MANUAL APPENDIX 1A.  <i>* Admin Comments : 6/9/2015 - Add general note 1 for guidance on the use of equipment containing lithium batteries. Updated on: 6/9/2015 7:22:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.3.4 CAT II  Active	UW PINGER/MARKER	VARIOUS	VARIOUS	General Notes: (1) Apply. BATTERY POWERED.  <i>Updated on: 6/1/2015 11:59:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.3.5 CAT II  Active	HAND HELD SONAR	FUTURONICS CORP.	JOINT ELECTRONICS TYPE DESIGNATION: AN/PQS-1D	SAFE DIVING DISTANCES FROM TRANSMITTING SONAR ARE ADDRESSED IN US NAVY DIVING MANUAL APPENDIX 1A.  <i>Updated on: 7/5/2012 2:55:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.3.6 CAT II  Active	HAND HELD SONAR	RJE INTERNATIONAL (FORMERLY EFCOM)	DATASONIC DHS – 100	COMMERCIAL HAND HELD SONAR WITH OPERATING PARAMETERS AND CAPABILITIES AS AN/PQS-2A.  DHS-100 NOT AUTHORIZED FOR EOD LOW MAGNETIC DIVING OPERATIONS.  SAFE DIVING DISTANCES FROM TRANSMITTING SONAR ARE ADDRESSED IN US NAVY DIVING MANUAL APPENDIX 1A.  <i>Updated on: 7/5/2012 2:55:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.3.7 CAT II  Active	HAND HELD SONAR	GENERAL INSTRUMENTS	1100/5001 NON-MAG OR AN/PQS-2A	SAFE DIVING DISTANCES FROM TRANSMITTING SONAR ARE ADDRESSED IN US NAVY DIVING MANUAL APPENDIX 1A.  <i>Updated on: 7/5/2012 2:55:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.3.8 CAT II  Active	DIVER HULL IMAGING AND NAVIGATION SYSTEM (DHINS), CONTROLLED ITEM	APPLIED RESEARCH LABORATORY, UNIVERSITY OF TEXAS <i>Name : Jeff Ruckel Phone : 512.835.3964</i>	DHINS	CONTROLLED ITEM UNDER COMNAVSEASYSKOM PMS EOD COGNIZANCE.  BASIC LEVEL OPERATOR TRAINING REQUIRED. DHINS TRAINING FOR A BASIC LEVEL OPERATOR IS A FOUR DAY COURSE THAT INCLUDES IN-CLASS INSTRUCTION AND HANDS ON IN-WATER TRAINING. TRAINING INCLUDES SETUP, USE, SYSTEM OPERATION, AND MAINTENANCE PROCEDURES.  <i>* Admin Comments : 12/10/09 - Added to the AMU list. Updated on: 7/5/2012 2:28:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.3.9 CAT II  Active	DIVER HELD NAVIGATION UNIT, CONTROLLED ITEM	NAVSEA <i>Name : Dominic Gabreleski Phone : 850.628.6626</i>	HYDROGRAPHIC MAPPING UNIT (HMU) MK 107, MOD 0	CONTROLLED ITEM UNDER COMNAVSEASYSKOM PMS NSW COGNIZANCE.  ALSO KNOWN AS "DHU". APPROVED FOR USE WITH SKC POWERTECH LITHIUM ION BATTERY, PN UISLMSKP.



Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
				* <b>Admin Comments</b> : 09/08/10 - Added to the AMU List. Updated on: 7/5/2012 2:26:00 PM
<b>6.3.10</b> <b>CAT II</b> <b>Active</b>	HAND HELD SONAR	SOUND METRICS CORP.	DIDSON DIVER HELD (DH)	General Notes: <b>(1)</b> Apply. NOT FOR USE IN A HYPERBARIC ENVIRONMENT.  SCOPE OF SUPPLIES INCLUDE UNDERWATER HEAD MASK DISPLAY (UHMD).  COMMANDS ARE REQUIRED TO SUBMIT AN INITIAL PROCUREMENT REPORT FOR THE LITHIUM ION BATTERIES IAW NAVSEA S9310-AQ-SAF-010, APPENDIX E. PROCUREMENT REPORTS CAN BE SENT TO LI-BATTS@NAVY.MIL.  SAFE DIVING DISTANCES FROM TRANSMITTING SONAR ARE ADDRESSED IN US NAVY DIVING MANUAL APPENDIX 1A.  * <b>Admin Comments</b> : 10/05/11 - Added to the AMU List. 04/04/12 - Added UHMD note. Updated on: 7/5/2012 2:56:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
<b>6.3.11</b> <b>CAT II</b> <b>Active</b>	EMERGENCY TRANSPONDER, CONTROLLED ITEM	UCSD-SIO	POPOP CASE MK1/CRUMB MK1	General Notes: <b>(1)</b> Apply. CONTROLLED ITEM UNDER COMNAVSEASYS COM PMS NSW COGNIZANCE. FOR SOF USE ONLY.  * <b>Admin Comments</b> : 05/01/12 - Added to the AMU List. Updated on: 7/5/2012 2:24:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
<b>6.3.12</b> <b>CAT II</b> <b>Active</b>	HAND HELD SONAR, CONTROLLED ITEM	SHARK MARINE TECHNOLOGIES INC.	NAVIGATOR HAND HELD SONAR (HHS) AND GUIDANCE SYSTEM PN NVD9090	General Notes: <b>(1)</b> Apply. CONTROLLED ITEM UNDER COMNAVSEASYS COM PMS NSW COGNIZANCE. FOR SOF USE ONLY.  AUTHORIZED FOR USE WITH THE FOLLOWING ACCESSORIES: SM DOPPLER NAVIGATOR SYSTEM, SM EXTERNAL BATTERY PACKS, DNS CABLE ASSY, SM FLOATING GPS AND EXTENSION KIT, AND PRO-MAG MAGNETOMETER.  SAFE DIVING DISTANCES FROM TRANSMITTING SONAR ARE ADDRESSED IN US NAVY DIVING MANUAL APPENDIX 1A.  * <b>Admin Comments</b> : 02/28/12 - Approved for use. 12/11/13 - Added use of floating GPS and extension kit. Updated on: 6/19/2015 12:37:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
<b>6.3.13</b> <b>CAT II</b> <b>Active</b>	DIVER DATA ACQUISITION COMMUNICATION AND DISPLAY (DACAD) SYSTEM	Monitoring Technologies (MonTech) New Zealand Limited  Distributed by ADS	DACAD-USN01-K-6DCS	General Notes: <b>(1)</b> Apply. THIS EQUIPMENT HAS BEEN EVALUATED BY NAVSEA 00C TO DETERMINE ITS SAFE USE BY MILITARY TRAINED DIVERS ONLY AND NOT FOR ITS PERFORMANCE (I.E. NO TESTING OF LOCATION CAPABILITIES OR BOTTLE PRESSURE ACCURACY). SOME MANUFACTURER'S PERFORMANCE DATA IS AVAILABLE.  AUTHORIZED FOR USE FOR NO-DECOMPRESSION DIVES AS A

				<p>SUPPLEMENTAL TOOL FOR MONITORING DIVERS LOCATION, DEPTH AND BOTTLE PRESSURE ONLY. USE OF ANY DIVE COMPUTER FUNCTION ASSOCIATED WITH THIS EQUIPMENT FOR THE PURPOSES OF MONTIRING A DIVERS DECOMPRESSION OBLIGATION IS STRICTLY PROHIBITED.</p> <p>PEOPLE CAN HEAR MUCH HIGHER FREQUENCY SOUNDS UNDERWATER THAN THEY CAN IN AIR. FOR SAFETY REASONS, DO NOT TURN THE DIVER-WORN DIVERSIDE MODEM ABOVE LEVEL 6. KEEP AT LEAST ONE YARD AWAY FROM THE DUNKING TRANSDUCER, AND PREFERABLY FAR ENOUGH SO THAT IT IS NOT LOUDER THAN THE DIVERSIDE MODEM. IF THE SOUNDS FROM EITHER DEVICE ARE UNCOMFORTABLY LOUD, THEN CEASE USE OF THE SYSTEM IMMEDIATELY.</p> <p><i>* Admin Comments : 12/1/2014 - Re-activated on AMU list. 12/12/2014 - Added ADS as distributor. 2/18/2015 - Updated note for clarification on prohibiting use as a dive computer. Updated on: 2/18/2015 9:45:00 AM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.3.14  CAT I Active	DIVER TRACKING SYSTEM	Azimuth, Inc.	DIVER6	<p>General Notes: (1) Apply. THIS EQUIPMENT HAS BEEN EVALUATED BY NAVSEA 00C TO DETERMINE ITS SAFE USE BY MILITARY TRAINED DIVERS ONLY AND NOT FOR ITS PERFORMANCE (I.E. NO TESTING OF LOCATION CAPABILITIES). SOME MANUFACTURER'S PERFORMANCE DATA IS AVAILABLE.</p> <p>AUTHORIZED FOR USE FOR NO-DECOMPRESSION DIVES AS A SUPPLEMENTAL TOOL FOR MONITORING DIVERS LOCATION, DEPTH AND WATER TEMPERATURE ONLY. USE OF ANY DIVE COMPUTER FUNCTION ASSOCIATED WITH THIS EQUIPMENT FOR THE PURPOSES OF MONTIRING A DIVERS DECOMPRESSION OBLIGATION IS STRICTLY PROHIBITED.</p> <p>PEOPLE CAN HEAR MUCH HIGHER FREQUENCY SOUNDS UNDERWATER THAN THEY CAN IN AIR. FOR SAFETY REASONS, KEEP AT LEAST ONE YARD AWAY FROM THE DUNKING TRANSDUCER, AND PREFERABLY FAR ENOUGH SO THAT IT IS NOT LOUDER THAN THE DIVERSIDE MODEM. IF THE SOUNDS FROM EITHER DEVICE ARE UNCOMFORTABLY LOUD, THEN CEASE USE OF THE SYSTEM IMMEDIATELY.</p> <p><i>* Admin Comments : 2/18/2015 - Added to AMU List</i></p>

**6.4 WATER JET EQUIPMENT**

**General Notes**

(1): IF SPECIALIZED TRAINING IS NOT OTHERWISE NOTED, LOCAL COMMAND LEVEL TRAINING AND FAMILIARIZATION IS REQUIRED PRIOR TO USE. THE APPLICABLE TECHNICAL AND EQUIPMENT MANUALS SHOULD BE REVIEWED PRIOR TO JOB PLANNING OR THE USE OF ANY HYDROBLAST EQUIPMENT.

DIVERS SHALL NOT BE EXPOSED TO A DIRECT STREAM OF HIGH PRESSURE WATER FLOW.

(2): AUTHORIZED FOR HYDROBLASTING OPERATIONS IAW CHAPTER 27 OF THE UWSH MANUAL, S0600-AA-PRO-270.

(3): DIVERS SHALL NOT OPERATE LANCES OR ZERO THRUST GUN FOR EXTENDED PERIODS OF TIME. OPERATORS SHALL ENSURE LANCES HAVE THE CORRECT FITTINGS AND ARE PROPERLY RATED FOR THE PRESSURE & FLOW OF THE HYDROBLAST EQUIPMENT BEING UTILIZED.

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.4.1 CAT II  Active	WATER JET CLEANING, HIGH PRESSURE PUMP	GARDNER DENVER (BUTTERWORTH OR WEATHERFORD)	WBD-150N IAW NAVSEA DWG 6699567.	General Notes: (1) (2) (3) Apply. HEARING PROTECTION REQUIRED WHILE OPERATING.  FOR HIGH PRESSURE, HIGH FLOW OPERATIONS (5,000-10,000 PSI & UP TO 20 GPM). DO NOT EXCEED 11,000 PSI WHILE OPERATING. DO NOT ALLOW ENGINE TO EXCEED 2150 RPM.  <i>Updated on: 3/10/2017 1:48:00 PM</i>
6.4.2 CAT II  Active	WATER JET CLEANING, PRESSURE WASHER	MI-T-M CORPORATION	HS-3006-DMKO	General Notes: (1) (2) (3) Apply. HEARING PROTECTION REQUIRED WHILE OPERATING.  FOR LOW PRESSURE, LOW FLOW OPERATIONS (3,000 PSI & 4.76 GPM).  <i>* Admin Comments : 10/27/10 - Added to the AMU List.</i>  <i>Updated on: 8/17/2012 8:58:00 AM</i>
6.4.3 CAT II  Active	WATER JET CLEANING, HIGH PRESSURE ZERO THRUST GUN	GARDNER DENVER (BUTTERWORTH)	31-09300-524 IAW NAVSEA DWG 6699567	General Notes: (1) (2) (3) Apply. AUTHORIZED FOR USE WITH ANU #6.4.1 ONLY. RATED AT PRESSURE & FLOW HIGHER (10 GPM AT 10,000 PSI) THAN ANU #6.4.2.  DIVER REQUIRED TO WEAR MK 21 FOR HYDROBLASTING OPERATIONS. MAX PERMISSIBLE OPERATING TIME PER DIVER PER 24 HRS IS 85 MIN.  <i>Updated on: 3/10/2017 11:09:00 AM</i>
6.4.4 CAT II  Active	WATER JET CLEANING, HIGH PRESSURE FLEXIBLE LANCE	GARDNER DENVER (BUTTERWORTH)	431516-037 IAW NAVSEA DWG 6699567	General Notes: (1) (2) (3) Apply. AUTHORIZED FOR USE WITH ANU #6.4.1 ONLY. RATED AT PRESSURE & FLOW HIGHER THAN ANU #6.4.2.  DIVER REQUIRED TO WEAR MK 21 FOR HYDROBLASTING OPERATIONS.  1/2" OD, 37' LENGTH.  <i>Updated on: 3/10/2017 11:13:00 AM</i>
6.4.5 CAT II  Active	WATER JET CLEANING, HIGH PRESSURE FLEXIBLE LANCE	JETSTREAM	MINI MOLE 51498-XX IAW NAVSEA DWG 6699567  *XX DENOTES LENGTH	General Notes: (1) (2) (3) Apply. AUTHORIZED FOR USE WITH ANU #6.4.1 & 6.4.2.  DIVER REQUIRED TO WEAR MK 21 FOR HYDROBLASTING OPERATIONS.  <i>* Admin Comments : 10/27/10 - Verified available from Jetstream.</i>  <i>Updated on: 3/10/2017 11:15:00 AM</i>

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.4.6 CAT II  Active	WATER JET CLEANING, HIGH PRESSURE FLEXIBLE LANCE	JETSTREAM	PN 51020-XX  *XX DENOTES LENGTH	General Notes: <b>(1) (2) (3)</b> Apply. AUTHORIZED FOR USE WITH AMU #9.4.2.  DIVER REQUIRED TO WEAR MK 21 FOR HYDROBLASTING OPERATIONS.  * <b>Admin Comments</b> : 10/27/10 - Added to the AMU List.  <i>Updated on: 8/16/2012 12:46:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.4.7 CAT II  Active	WATER JET CLEANING, HIGH PRESSURE TOOL	DS-JETPAC (NCEL-MODIFIED)	N/A	General Notes: <b>(1)</b> Apply. DIVER REQUIRED TO WEAR 1/4" NEOPRENE WET HOOD. MAX PERMISSIBLE OPERATING TIME PER DIVER PER 24 HOURS IS 2 HOURS 45 MINUTES.  <i>Updated on: 8/16/2012 12:30:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.4.8 CAT II  Active	WATER JET CLEANING, CAVITATING TOOL	SEACO, INC.	CAVIJET  1-A & 1-B	General Notes: <b>(1)</b> Apply. DIVER REQUIRED TO WEAR 1/4" NEOPRENE WET HOOD. MAX PERMISSIBLE OPERATING TIME PER DIVER PER 24 HOURS IS 1 HR.  <i>Updated on: 8/16/2012 12:44:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.4.9 CAT II  Active	WATER JET CLEANING, CAVITATING TOOL	SEACO, INC.	CAVIJET 1-B MOD 1	General Notes: <b>(1)</b> Apply. DIVER REQUIRED TO WEAR 1/4" NEOPRENE WET HOOD. MAX PERMISSIBLE OPERATING TIME PER DIVER PER 24 HOURS IS 1 HR 40 MIN.  <i>Updated on: 8/16/2012 12:47:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.4.10 CAT II Inactive	WATER JET CLEANING, CAVITATING TOOL	DAEDALEAN	CONCAVER DAI-800-D-100A	General Notes: <b>(1)</b> Apply. NO LONGER MANUFACTURED BUT AUTHORIZED FOR CONTINUED USE.  DIVER REQUIRED TO WEAR 1/4" NEOPRENE WET HOOD. MAX PERMISSIBLE OPERATING TIME PER DIVER PER 24 HRS IS 1 HR 50 MIN.  USE TOOL WITH EATON SYNDFLEX HOSE PN 3V10-04 WITH FACTORY INSTALLED SURLIN OVER JACKET. USE WITH DAEDALEAN NOZZLES (DAI #) 4010 FAN, 3510 FAN, TWIN 025, F118 (40 DEGREE FAN), OR F149 (40 DEGREE FAN).  PROTECTIVE GLOVES ARE RECOMMENDED, DEPENDING ON OPERATING CONDITIONS.  <i>Updated on: 8/16/2012 12:44:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.4.11 CAT II Inactive	WATER JET CLEANING, CAVITATING TOOL	SIMPSON	2245 C	General Notes: <b>(1)</b> Apply. NO LONGER MANUFACTURED NOR SUPPORTED BUT AUTHORIZED FOR CONTINUED USE.  PORTABLE, GASOLINE-POWERED FOR LIGHT CLEANING.  <i>Updated on: 7/5/2012 2:17:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.4.12 CAT II  Active	WATER JET CLEANING, CAVITATING TOOL	CAVIDYNE, LLC	CAVIBLASTER LG 1620	General Notes: <b>(1)</b> Apply. AUTHORIZED FOR USE IN-WATER WITH THE FOLLOWING PERMISSIBLE EXPOSURE LIMITS: 101 MINUTES WHILE HOODED & 26 MINUTES (MK21 HELMETED). NOT AUTHORIZED FOR USE WHILE UNHOODED.  NOT AUTHORIZED FOR IN-AIR USE

				<p>WITHOUT HEARING PROTECTION. IN-AIR PERMISSIBLE EXPOSURE LIMITS ARE DEPENDENT ON THE NOISE REDUCTION RATING OF THE HEARING PROTECTION.</p> <p><i>* Admin Comments : 10/15/10 - Added to the AMU List.</i></p> <p><i>Updated on: 7/17/2012 2:28:00 PM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.4.13 CAT II Active	WATER JET CLEANING, HIGH PRESSURE TOOL	HIGH PRESSURE PARTEK	3109300524 IAW NCSC DWG 5368233	<p>General Notes: (1) (2) Apply. DIVER REQUIRED TO WEAR A 1/4" NEOPRENE WET HOOD. 0 DEGREE NOZZLE MAX PERMISSIBLE OPERATING TIME PER DIVER PER 24 HRS IS 50 MIN. 15 DEGREE NOZZLE MAX PERMISSIBLE OPERATING TIME IS 2 HRS 50 MIN.</p> <p><i>Updated on: 8/15/2012 11:51:00 AM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.4.14 CAT II Inactive	WATER JET CLEANING, HIGH PRESSURE TOOL	FLOW INDUSTRIES	MODEL 12 (NCEL MODIFIED)  * XX DENOTES LENGTH	<p>General Notes: (1) Apply. NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR CONTINUED USE.</p> <p>DIVER REQUIRED TO WEAR 1/4" NEOPRENE WET HOOD. MAX PERMISSIBLE OPERATING TIMES PER DIVER PER 24 HRS IS 2 HRS 45 MIN.</p> <p><i>Updated on: 8/16/2012 12:29:00 PM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.4.15 CAT II Active	WATER JET CLEANING, CAVITATING TOOL	CAVIDYNE, LLC	CAVIBLASTER HG 1222	<p>General Notes: (1) Apply. AUTHORIZED FOR USE IN-WATER WITH THE FOLLOWING PERMISSIBLE EXPOSURE LIMITS: 85 MINUTES WHILE HOODED &amp; 22 MINUTES (MK 21 HELMETED). NOT AUTHORIZED FOR USE WHILE UNHOODED.</p> <p>NOT AUTHORIZED FOR IN-AIR USE WITHOUT HEARING PROTECTION. IN-AIR PERMISSIBLE EXPOSURE LIMITS ARE DEPENDENT ON THE NOISE REDUCTION RATING OF THE HEARING PROTECTION.</p> <p><i>* Admin Comments : 07/17/12 - Added to the AMU List.</i></p>

## 6.5 HYDRAULIC EQUIPMENT

### General Notes

(1): THERE ARE SOME MANUFACTURERS OF HYDRAULIC POWERED HAND TOOLS THAT PRODUCE SPECIFIC MODELS DESIGNED FOR USE UNDERWATER. THESE DESIGN CHANGES ARE IMPLEMENTED MAINLY TO ACHIEVE THE SAME LEVEL OF TOOL PERFORMANCE UNDERWATER AS IS ACHIEVED IN AIR. THESE MODIFICATIONS TO MAKE TOOLS RUGGEDIZED FOR USE UNDERWATER ARE:

- COMPONENTS THAT ARE DIRECTLY EXPOSED TO WATER ARE MADE OF CORROSION RESISTANT MATERIAL OR COVERED WITH A CORROSION RESISTANT COATING WHERE PRACTICAL.
- FOR MOTORIZED TOOLS, SOME ARE MODIFIED TO HAVE LARGER DISPLACEMENT MOTORS TO ALLOW THE TOOL TO OPERATE AT HIGHER FLOW RATES TO COMPENSATE FOR THE INCREASED RESISTANCE CREATED BY OPERATION IN WATER.
- COMPONENTS THAT WILL NOT TOLERATE WATER CONTAMINATION ARE SEALED (E.G. BALL BEARINGS ATTACHED TO MOTOR SHAFTS, OR O-RING SEALS IN THE HAMMER CASE BUSHING OF AN IMPACT MECHANISM).
- FOR PERCUSSIVE TOOLS, THE IMPACT AREA IS VENTED TO ALLOW WATER TO MOVE IN AND OUT OF THE IMPACT ZONE.
- WHEN WORKING AT DEPTHS GREATER THAN 100 FSW, 3/4" I.D. SUPPLY AND RETURN HOSES ARE UTILIZED TO ENSURE THE TOOL RECEIVES ADEQUATE FLOW TO OPERATE UNDER THE INCREASED HYDROSTATIC PRESSURES.

**(2):** WHEN WORKING IN AN UNDEWRATER DRY CHAMBER, HYDRAULICALLY POWERED HAND TOOLS ARE AUTHORIZED FOR USE AS APPLICABLE TO SUPPORT UWSH OPERATIONS IN ACCORDANCE WITH NAVSEA S0600-AA-PRO-010 (SERIRES), UNDERWATER SHIP HUSBANDRY MANUAL.

**(3):** HYDRAULIC MANUALLY OPERATED HAND TOOLS ARE CAPAPBLE OF WORKING UNDERWATER INHERENT TO THEIR DESIGN. THESE TOOLS ARE TYPICALLY HIGH PRESSURE HYDRAULIC CYLINDERS THAT TRANSMIT FORCE FOR LIFTING, PULLING, CUTTING OR SPREADING. IN ORDER FOR THE HYDRAULIC CYLINDERS TO DEVELOP THESE HIGH PRESSURES THEY HAVE TO BE PROPERLY SEALED, WHICH ALSO ALLOWS THEM TO MAINTAIN THEIR PERFORMANCE UNDERWATER. HOWEVER, SOME HYDRAULIC HAND PUMPS HAVE HYDRAULIC FLUID RESERVOIRS THAT ARE NOT SEALED PROPERLY AND WILL LEAK IF USED UNDERWATER. THIS IS NOT A SAFETY RISK, BUT IT DOES DEGRADE THE PERFORMANCE OF THE PUMP AND CYLINDER. THIS PROBLEM CAN BE NEGATED BY HAVING TOPSIDE PERSONELL OPERATE THE PUMP WITH THE DIVER MONITORING THE TOOL AND PROVIDING DIRECTION.

**(4):** FAMILIARIZATION TRAINING IS REQUIRED ON THE SURFACE FOR EVERY DIVER THAT WILL BE OPERATING THE EXACT TOOL TO BE USED PRIOR TO GETTING IN THE WATER. FAMILIRIZATION TRAINING IS ALSO REQUIRED FOR TOPSIDE PERSONNEL WHO WILL BE OPERATING AND MONITORING THE HYDRAULIC POWER UNIT AND CONSOLE FOR POWERED TOOLS, AND HAND HYDARULIC PUMPS FOR MANUAL TOOLS.

**(5):** A DEAD MAN SWITCH IS REQUIRED ON ALL HYDRAULIC TOOLS. A DEAD MAN SWITCH IS A NORMALLY "OPEN" SWITCH (TYPICALLY A TRIGGER ON THE TOOL) PLACED DIRECTLY IN THE FLOW PATH ON THE TOOL AND REQUIRES A FORCE TO CLOSE THE HYDRAULIC CIRCUIT TO SEND POWER TO THE TOOL. THE DEAD MAN SWITCH ACTS AS A FAIL SAFE TO STOP THE TOOL IF THE OPERATOR BECOMES INCAPACITATED WHILE UNDERWATER. AT NO TIME SHALL A DEAD MAN SWITCH BE MECHANICALLY HELD IN THE CLOSED (TOOL RUNNING) POSITION. WHILE A DEAD MAN SWITCH DOES MITIGATE THE RISK OF INJURY TO THE DIVER IN THE EVENT OF LOSS OF CONTROL OF THE TOOL, TOPSIDE PERSONNEL SHALL ALSO BE STANDING BY TO OPERATE THE HYDRAULIC CONSOLE AND/OR HYDRAULIC POWER UNIT TO SECURE FLOW.

A SECONDARY ON/OFF SWITCH IS REQUIRED FOR THE HYDRAULIC HAMMER DRILL (STANLEY HD45310 OR SIMILAR) AND CHAINSAW (STANLEY CS11340 OR SIMILAR) AND IS CONSIDERED OPTIONAL FOR ALL OTHER ANU HYDRAULIC TOOLS. THE SECONDARY SWITCH SHALL BE OPERATED BY THE SECOND DIVER IN THE WATER AS ANOTHER MEANS TO QUICKLY SECURE FLOW IF THE DIVER OPERATING THE TOOL LOSES CONTROL AND IS UNABLE TO TURN OFF THE TOOL. USE SWITCH IN ACCORDANCE WITH NAVSEA UNDERWATER SHIPS HUSBANDRY MANUAL (S00600-AA-PRO-290) OR WITH OEM RECOMMENDED TOOL EXCHANGE VALVE (STANLEY PN 67005).

**(6):** USE OEM RECOMMENDED HYDRAULIC FLUID. WHEN POSSIBLE IT IS RECOMMENDED TO USE TOOLS THAT ARE CAPABLE OF USING VEGETEBLE BASED OILS. USE IN ACCORDANCE WITH NAVSEA UNDERWATER SHIP HUSBANDRY MANUAL CHAPTER 28, S0600-AA-PRO-290, APPENDIX B, BEST MANAGEMENT PRACTICES FOR DIVER OPERATED TOOLS.

**(7):** ALL HYDRAULIC TOOLS SHALL BE MAINTAINED IAW NAVY PMS.

**(8):** FOR ADDITIONAL INFORMATION ON UNDERWATER HYDRAULIC TOOLS CONTACT NAVSEA 00C39.

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.5.43 CAT II Active	HYDRAULIC POWERED ROTARY HAND TOOLS	VARIOUS	VARIOUS	General Notes: <b>(1) (2) (4) (5) (6) (7) (8)</b> Apply. ROTARY HAND TOOLS INCLUDE: DRILLS (EXCEPT IMPACT TYPE), GRINDERS AND SAWS. ANY COMMERCIALY AVAILABLE UNDERWATER HYDRAULIC POWERED ROTARY HAND TOOL THAT MEETS THE REQUIREMENTS PROVIDED IN THE APPLICABLE GENERAL NOTES IS AUTHORIZED FOR MILITARY USE. ADDITIONAL RESTRICTIONS PROVIDED HEREIN AS APPLICABLE.  ALL SIMILAR HYDRAULIC POWERED TOOLS

				<p>PREVIOUSLY LISTED ON THE AMU ARE STILL AUTHORIZED FOR USE UNDER THIS CATEGORY CONTROL NUMBER.</p> <p>FOR GRIDNERS, THE MAXIMUM CUMULATIVE OPERATING TIMES PER DIVER PER 24 HOURS IS: MK 20, 30 MINUTES; MK 21 and KM 37 NS, 3 HOUR AND 22 MINUTES.</p> <p><i>* Admin Comments : 8/20/2014 - added to AMU List</i>  <i>Updated on: 8/20/2014 1:55:00 PM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.5.44 CAT I Active	HYDRAULIC POWERED RECIPROCATING HAND TOOLS	VARIOUS	VARIOUS	<p>General Notes: (1) (2) (4) (5) (6) (7) (8) Apply.</p> <p><i>* Admin Comments : 9/3/2014 - Added to AMU List</i>  <i>Updated on: 9/3/2014 4:06:00 PM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.5.45 CAT II Active	HYDRAULIC POWERED IMPACT HAND TOOLS	VARIOUS	VARIOUS	<p>General Notes: (1) (2) (4) (5) (6) (7) (8) Apply. IMPACT HAND TOOLS INCLUDE: IMPACT DRILLS, HAMMER DRILLS, SINKER DRILLS, IMPACT WRENCHES, BREAKERS, CHIPPING HAMMERS, GRINDERS AND SAWS. ANY COMMERCIALY AVAILABLE UNDERWATER HYDRAULIC POWERED IMPACT HAND TOOL THAT MEETS THE REQUIREMENTS PROVIDED IN THE APPLICABLE GENERAL NOTES IS AUTHORIZED FOR MILITARY USE. ADDITIONAL RESTRICTIONS PROVIDED HEREIN AS APPLICABLE.</p> <p>ALL SIMILAR HYDRAULIC POWERED TOOLS PREVIOUSLY LISTED ON THE AMU ARE STILL AUTHORIZED FOR USE UNDER THIS CATEGORY CONTROL NUMBER.</p> <p>FOR CHIPING HAMMERS, DIVER REQUIRED TO WEAR ¼ INCH NEOPRENE HOOD. MAXIMUM PERMISSIBLE OPERATING TIME PER DIVER PER 24 HOUR, 3 HOURS 40 MINUTES.</p> <p>FOR IMPACT WRENCHES, THE MAXIMUM CUMULATIVE OPERATING TIMES PER DIVER PER 24 HOURS IS: MK 20, 40 MINUTES; MK 21 and KM 37 NS, 1 HOUR AND 25 MINUTES.</p> <p>FOR HAMMER DRILLS, THE MAXIMUM CUMULATIVE OPERATING TIMES PER DIVER PER 24 HOURS IS: MK 20, 2 HOURS AND 9 MINUTES; MK 21 and KM 37 NS, 2 HOURS AND 20 MINUTES</p> <p>FOR SINKER DRILLS, THE MAXIMUM CUMULATIVE OPERATING TIMES PER DIVER PER 24 HOURS IS: MK 20, 21 MINUTES; MK 21 and KM 37 NS, 2 HOURS AND 49 MINUTES</p> <p>FOR BREAKERS, THE MAXIMUM CUMULATIVE OPERATING TIMES PER DIVER PER 24 HOURS IS: MK 20, 30 MINUTES; MK 21 and KM 37 NS, 1 HOUR</p> <p><i>* Admin Comments : 8/20/2014 - added to AMU List</i>  <i>Updated on: 8/20/2014 1:57:00 PM</i></p>



Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.5.46 CAT II Active	HYDRAULIC POWERED HOISTS	NAVSEA CONTROLLED	NAVSEA CONTROLLED	General Notes: <b>(4) (6) (7) (8)</b> Apply. HYDRAULIC POWERED HOISTS ARE A NAVSEA ESSM CONTROLLED ITEM. CONTACT NAVSEA 00C5 FOR FURTHER INFORMATION.  <i>* Admin Comments : 8/20/2014 - Added to AMU List</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.5.47 CAT II Active	HYDRAULIC POWERED SUBMERSIBLE PUMPS	VARIOUS	VARIOUS	General Notes: <b>(1) (2) (4) (6) (7) (8)</b> Apply.  <i>* Admin Comments : 8/20/2014 - Added to AMU List</i>  <i>Updated on: 8/20/2014 2:02:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.5.48 CAT II Active	HYDRAULIC POWERED CYLINDERS	VARIOUS	VARIOUS	General Notes: <b>(1) (2) (4) (6) (7) (8)</b> Apply. HYDRAULIC POWERED CYLINDERS INCLUDE: TORQUE WRENCHES, SPREADERS AND CUTTERS. ANY COMMERCIALY AVAILABLE UNDERWATER HYDRAULIC POWERED CYLINDER THAT MEET THE REQUIREMENTS PROVIDED IN THE APPLICABLE GENERAL NOTES IS AUTHORIZED FOR MILITARY USE.  ALL SIMILAR HYDRAULIC POWERED TOOLS PREVIOUSLY LISTED ON THE AMU ARE STILL AUTHORIZED FOR USE UNDER THIS CATEGORY CONTROL NUMBER.  <i>* Admin Comments : 8/20/2014 - Added to AMU List</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.5.49 CAT II Active	HYDRAULIC MANUALLY OPERATED HAND TOOLS	VARIOUS	VARIOUS	General Notes: <b>(3) (4) (6) (7) (8)</b> Apply. ANY COMMERCIALY AVAILABLE HYDRAULIC MANUALLY OPERATED HAND TOOL THAT MEETS THE REQUIREMENTS PROVIDED IN THE APPLICABLE GENERAL NOTES IS AUTHORIZED FOR MILITARY USE EXCEPT AS OTHERWISE NOTED HEREIN. ALL OTHER HYDRAULIC MANUALLY OPERATED TOOLS PREVIOUSLY LISTED ON THE AMU ARE STILL AUTHORIZED FOR USE UNDER THIS CATEGORY CONTROL NUMBER.  <i>* Admin Comments : 8/20/2014 - Added to AMU List</i>

## 6.6 PNEUMATIC TOOLS

### General Notes

**(1):** PNEUMATIC HAND TOOLS INHERENT TO THEIR DESIGN WILL FUNCTION UNDERWATER, BUT THEIR PERFORMANCE IS DEGRADED DUE TO THE CORROSIVE ENVIRONMENT AND ADDITIONAL RESISTANCE IMPOSED BY THE WATER. DESPITE THEIR LACK OF RELIABILITY OVER HYDRAULIC TOOLS, THEY ARE STILL USEFUL AND SOMETIMES JUST AS GOOD AS HYDRAULIC TOOLS FOR CERTAIN APPLICATIONS. WHEN SELECTING A PNEUMATIC TOOL FOR USE UNDERWATER IT IS RECOMMENDED TO LOOK FOR ONES MADE OF MORE CORROSION RESISTENT MATERIAL.

**(2):** FAMILIARIZATION TRAINING IS REQUIRED ON THE SURFACE FOR DIVERS OPERATING THE TOOL AND TOPSIDE PERSONNEL FOR THE SPECIFIC TOOLS TO BE USED.

(3): IT IS POSSIBLE FOR PNEUMATIC TOOLS TO FAIL ON, MEANING AFTER RELEASING THE DEAD MAN SWITCH THE TOOL CONTINUES TO RUN. FOR THIS REASON, AT A MINIMUM, A BALL VALVE SHALL BE PLACED IN THE PATH OF FLOW BETWEEN THE AIR SUPPLY AND THE TOOL, READILY ACCESSIBLE TO TOPSIDE PERSONNEL. TOPSIDE PERSONNEL SHALL BE STANDING BY READY AND ABLE TO SECURE AIR AT ALL TIMES WHILE THE DIVER IS OPERATING A PNEUMATIC TOOL UNDERWATER.

(4): ALL PNEUMATIC TOOLS SHALL BE MAINTAINED IAW NAVY PMS.

(5): FOR ADDITIONAL INFORMATION ON UNDERWATER PNEUMATIC TOOLS CONTACT NAVSEA 00C39.

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.6.4 CAT II  Active	PNEUMATIC POWERED HAND TOOLS	VARIOUS	VARIOUS	<p>General Notes: (1) (2) (3) (4) (5) Apply. ANY COMMERCIALY AVAILABLE UNDERWATER PNEUMATIC HAND TOOL THAT MEETS THE REQUIREMENTS PROVIDED IN THE APPLICABLE GENERAL NOTES IS AUTHORIZED FOR MILITARY USE EXCEPT AS OTHERWISE NOTED HEREIN.</p> <p>ALL OTHER PNEUMATIC HAND TOOLS PREVIOUSLY LISTED ON THE AMU ARE STILL AUTHORIZED FOR USE UNDER THIS CATEGORY CONTROL NUMBER.</p> <p>WHEN WORKING IN AN UNDEWRATER DRY CHAMBER, PNEUMATIC HAND TOOLS ARE AUTHORIZED FOR USE AS APPLICABLE TO SUPPORT UWSH OPERATIONS IN ACCORDANCE WITH NAVSEA S0600-AA-PRO-010 (SERIRES), UNDERWATER SHIP HUSBANDRY MANUAL.</p> <p><i>* Admin Comments : 8/21/2014 - Added to AMU List</i></p> <p style="text-align: right;"><i>Updated on: 8/21/2014 1:03:00 PM</i></p>

**6.7 OTHER TOOLS & ACCESSORIES**

**General Notes**

(1): IF SPECIALIZED TRAINING IS NOT OTHERWISE NOTED, LOCAL COMMAND LEVEL TRAINING AND FAMILIARIZATION IS REQUIRED PRIOR TO USE.

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.7.1 CAT II  Active	EXOTHERMIC CUTTING AND ELECTRIC ARC WELDING EQUIPMENT	VARIOUS	VARIOUS	<p>General Notes: (1) Apply. TOOLS AND EQUIPMENT FOR UNDERWATER CUTTING AND WELDING SHALL BE IN ACCORDANCE WITH THE USN UNDERWATER CUTTING AND WELDING MANUAL, S0300-BB-MAN-010.</p> <p><i>* Admin Comments : 8/20/2014 - removed Kerie Cable, generalized category for cutting/welding iaw USN U/W Cutting &amp; Welding Manual</i> <i>4/12/05 - Confirmation that CLUCAS is still manufacturing.</i></p> <p style="text-align: right;"><i>Updated on: 8/20/2014 11:14:00 AM</i></p>
6.7.2 CAT II  Active	DIVER LIFT SYSTEM	NAVAL CIVIL ENGINEERING LAB (NCEL) OR DIVER PREFERENCE	DWG 93-6-1F OR COMMERCIAL EQUIVALENT  IAW NFESC DWG # 93- 6-1F	<p>General Notes: (1) Apply.</p> <p style="text-align: right;"><i>Updated on: 7/5/2012 11:43:00 AM</i></p>

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.7.3 CAT II Active	MULTI FUNCTION TOOL SYSTEM (SEA WATER ACTUATED)	NAVAL CIVIL ENGINEERING LAB (NCEL)	MFTS	General Notes: (1) Apply. THE MULTI FUNCTION TOOL SYSTEM IS SEA WATER ACTUATED AND CONSISTS OF A POWER UNIT, A BAND SAW, A ROCK DRILL, A ROTARY IMPACT TOOL, AND A ROTARY DISK TOOL.  MAX OPERATING TIME PER DIVER PER 24 HOURS: ROTARY: UNLIMITED IMPACT TOOL: 14 MIN IN METAL TANK ROCK DRILL: 1 HOUR FOR DIVER ASSISTING TO START A BIT. <i>Updated on: 7/5/2012 11:53:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.7.4 CAT II Inactive	STUD GUN (CARTRIDGE ACTUATED)	RAMSET	HD 200	General Notes: (1) Apply. NO LONGER MANUFACTURED BUT AUTHORIZED FOR CONTINUED USE.  USED AS PART OF ESSM'S LIGHTWEIGHT HOT TAP SYSTEM, ESSM #HT-0006. REQUIRES ADDITIONAL TRAINING BY ESSM/NAVSEA 00C PRIOR TO USE.  USE OF THE STUD GUN IS LIMITED TO 40 SHOTS PER 24 HOUR PERIOD FOR EACH DIVER. ALL OTHER SOUND SOURCES THAT MAY IMPACT THE DIVER SHALL BE SECURED DURING USE.  SECURE STORAGE IS REQUIRED FOR THE STUD GUN AND THE .38 CAL ACTUATING CARTRIDGES. <i>Updated on: 7/5/2012 12:08:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.7.5 CAT II Active	HIGH-PRESSURE UMBILICAL	VARIOUS	3VIV-04-106-106-120 (1/4", 10' SYNIFLEX) 3VIV-04-106-1200 (1/4", 100' SYNIFLEX)	General Notes: (1) Apply. 10,000 PSIG. <i>Updated on: 7/5/2012 12:06:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.7.6 CAT II Active	NON METALLIC HOSE	VARIOUS	WIRE RE-INFORCED IAW MIL-H-24135	General Notes: (1) Apply. 3/4" DIAMETER, 15' LENGTH, 2,000 PSIG.  HOSES OF LONGER LENGTHS ARE PERMISSIBLE. INCREASING HOSE LENGTHS WILL RESULT IN ADDITIONAL HYDRAULIC PRESSURE LOSS AND MAY IMPEDE HYDRAULIC TOOL PERFORMANCE. DRAWING CALLS FOR 15 FOOT INCREASING THE LENGTH OF ANY DIA. HOSE WILL AFFECT PERFORMANCE RELATIVE TO THE ORIGINAL LENGTH. <i>Updated on: 7/5/2012 12:05:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.7.7 CAT II Active	PRIMARY UMBILICAL, TWIN LINED	AEROQUIP	KEVLAR POLYESTER FC375-12	General Notes: (1) Apply. 3/4" DIAMETER, LENGTH TO SUIT, 2000 PSIG  QUICK DISCONNECT COUPLINGS MUST BE COMPATIBLE WITH QUICK DISCONNECT COUPLINGS LISTED IAW NAVSEA DWG 5366582.  ITEM MAY BE SUBSTITUTED WITH HOSES MEETING SAE 100R8 SPECIFICATION. <i>Updated on: 7/5/2012 12:03:00 PM</i>

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.7.8 CAT II  Active	TOOL WHIP HOSE, NON-METALLIC	AEROQUIP	AE369-8 IAW MIL-M-24135	General Notes: (1) Apply. 1/2" DIAMETER, 10' LENGTH, 2000 PSIG.  HOSES OF LONGER LENGTHS ARE PERMISSIBLE. INCREASING HOSE LENGTHS WILL RESULT IN ADDITIONAL HYDRAULIC PRESSURE LOSS AND MAY IMPEDE HYDRAULIC TOOL PERFORMANCE. <i>Updated on: 7/5/2012 12:05:00 PM</i>
6.7.9 CAT II  Active	TOOL WHIP HOSE, THERMOPLASTIC	AEROQUIP	FC373-8	General Notes: (1) Apply. 1/2" DIAMETER, 10' LENGTH, 2000 PSIG.  HOSES OF LONGER LENGTHS ARE PERMISSIBLE. INCREASING HOSE LENGTHS WILL RESULT IN ADDITIONAL HYDRAULIC PRESSURE LOSS AND MAY IMPEDE HYDRAULIC TOOL PERFORMANCE.  ITEM MAY BE SUBSTITUTED WITH HOSES MEETING SAE 100R7 OR SAE 100R8 SPECIFICATION. <i>Updated on: 7/5/2012 12:05:00 PM</i>
6.7.10 CAT II  Active	STUD GUN (CARTRIDGE ACTUATED)	HILTI	UW10	General Notes: (1) Apply. USE OF THE STUD GUN IS LIMITED TO 20 SHOTS PER 24 HOUR PERIOD FOR EACH USER. IN-AIR GUIDANCE REQUIRES USERS TO WEAR HEARING PROTECTION WITH A MINIMUM NOISE REDUCTION RATING OF 25 dB. IN-WATER GUIDANCE REQUIRES DIVERS TO WEAR A WETSUIT HOOD WHEN OPERATING. ALL OTHER SOUND SOURCES THAT MAY IMPACT THE DIVER SHALL BE SECURED DURING USE.  SECURE STORAGE IS REQUIRED FOR THE STUD GUN AND THE ACTUATING CARTRIDGES.  <i>* Admin Comments : 11/03/09 - Added to the AMU list Updated on: 7/5/2012 12:31:00 PM</i>
6.7.11 CAT II  Active	MK 20 WELDING VISOR	INTERSPIRO	PN 30580-01	General Notes: (1) Apply.  <i>* Admin Comments : 2/16/2011 - Added to the AMU List. Updated on: 7/5/2012 12:12:00 PM</i>
6.7.12 CAT II  Active	PAINT THICKNESS MEASURING SYSTEM	FISCHER TECHNOLOGY, INC.	FISCHER DELTASCOPE MP30	General Notes: (1) Apply.  <i>* Admin Comments : 12/13/12 - Added to the AMU List.</i>
6.7.13 CAT II  Active	MARITIME EOD TRAINING, RANGING AND EVALUATION SYSTEM(METRES)	AIR AFFAIRS LIMITED	MK 25 MOD 0 Trainer, Test Set	THIS IS A PMS-408 (EOD) CONTROLLED ITEM, DEVELOPED FOR EVALUATING DIVER PERFORMANCE WHEN IDENTIFYING AND DEACTIVATING MINES.  <i>* Admin Comments : Added 1/14/2014</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments

6.7.14 CAT II Active	UNDERWATER THICKNESS GAUGE	CYGNUS INSTRUMENTS LTD www.cygnusinstruments.com <b>Name</b> : Kathy Sanders <b>Phone</b> : 410-267-9771 <b>Email</b> : Kathy@cygnusinstruments.com	CYGNUS DIVE	* <b>Admin Comments</b> : 1/29/14 - Added
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.7.15 CAT II Active	STUD GUN (CARTRIDGE ACTUATED)	SUPRAMECA <b>Name</b> : Mark Benson <b>Phone</b> : (855) 838-2246 <b>Email</b> : mark.benson@tectacinc.com	SUPRAFX FIXING TOOL (PN 0150_001_000)	ALL USERS SHALL COMPLETE THE MANUFACTURER'S MANDATORY TRAINING IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTION MANUAL PRIOR TO USE. RECORDS OF TRAINING COMPLETION SHALL BE MAINTAINED.  * <b>Admin Comments</b> : 8/20/2014 - Added to AMU List
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.7.16 CAT II Inactive	PRESSURE TEST CHAMBER	NAVSEA CONTROLLED ITEM	NAVSEA DWG 8521185	General Notes: (1) Apply. NO LONGER MANUFACTURED BUT AUTHORIZED FOR CONTINUED USE.  USE IN ACCORDANCE WITH NAVSEA SS500-A4-OMI-010, TECHNICAL MANUAL FOR U.S. NAVY TEST CHAMBER.  THIS ITEM IS AVAILABLE THROUGH ESSM. CONTACT NAVSEA 00C3 FOR GUIDANCE.  * <b>Admin Comments</b> : 9/29/2014 - Added to AMU List 8/14/15 - Changed status to Inactive. This item has become too costly to build. Updated on: 8/14/2015 10:18:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.7.17 CAT II Active	PRESSURE TEST CHAMBER	NAVSEA CONTROLLED ITEM	NAVSEA DWG 8663388	General Notes: (1) Apply. THIS ITEM IS AVAILABLE THROUGH ESSM. CONTACT NAVSEA 00C3 FOR ORDERING  * <b>Admin Comments</b> : 8/14/15 - Added to list.
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.7.18 CAT I Active	PRESSURE TEST CHAMBER	NAVSEA CONTROLLED ITEM GLOBAL SCUBA MANUFACTURING OF TEXAS LLC	MODEL 48310 (NAVY)	General Notes: (1) Apply. COMMANDS SHALL CONTACT NAVSEA 00C PRIOR TO PROCUREMENT. REF AIG 16-10.  MODEL 48310 (NAVY) HAS A MODIFIED CHAMBER BODY THAT IS SERIALIZED AND INCORPORATES A DOUBLE FILLET WELD AT THE BASE PLATE.  * <b>Admin Comments</b> : 04/25/16 - ADDED TO AMU IAW AIG Updated on: 4/29/2016 9:45:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
6.7.19 CAT II Active	UNDERWATER POWER TOOLS, BATTERY POWERED	NEMO POWER TOOLS LTD <b>Name</b> : Becky Feinberg <b>Phone</b> : 408-663-8514 <b>Email</b> : beckyfeinberg@gmail.com	Nemo V2 Divers Drill - 50M, w/3Ah Battery (DDV2-18V-3Li-50) Nemo V2 Divers Drill - 50M, w/6Ah Battery (DDV2-18V-6Li-50) Nemo Hammer Drill - 50M, w/3Ah Battery (HD-18V-3Li-50) Nemo Hammer Drill - 50M, w/6Ah Battery (HD-18V-6Li-50) Nemo Impact Driver -	Depth limited to 160 fsw for all NEMO tools.  Authorized for use only with approved batteries part numbers TB-18V-3A and TB-18V-6A.  In accordance with NAVSEA Itr 9070, Ser 05Z/238 dtd 20 Apr 17, the Nemo 18 V 3 Ah (TB-18V-3A) and 18 V 6 Ah (TB-18V-6A) lithium-ion batteries used in the Nemo line of underwater power tools are approved for use in any of the Nemo underwater power tools listed in this ANU listing. Approval is

			50M, w/3Ah Battery (ID-18V-3Li-50) Nemo Impact Driver - 50M, w/6Ah Battery (ID-18V-6Li-50) Nemo Impact Wrench - 50M, w/3Ah Battery (IW-18V-3Li-50) Nemo Impact Wrench - 50M, w/6Ah Battery (IW-18V-6Li-50) Spare 18V 3Ah Li-ion Battery (TB-18V-3A) Spare 18V 6Ah Li-ion Battery (TB-18V-6A)	limited to use at all Naval shore facilities and underwater operations as well as the transportation of the batteries and tools onboard Naval LCM-8 class platforms.  * <b>Admin Comments</b> : Added to ANU 1/2/2018
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7.1 RECOMPRESSION CHAMBER EQUIPMENT				
NO General Notes				
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.1.1 CAT I Active	BIBS MASK, COMMERCIAL	AVOX SYSTEMS INC.	803600-00/01/02/03/04	FOR RECOMPRESSION CHAMBERS WITHOUT BUILT-IN OVERBOARD DUMP CAPABILITY. PART # 803600 (SERIES) REPLACES PREVIOUS PN 800931.  AMRON INTERNATIONAL IS THE EXCLUSIVE DISTRIBUTOR FOR THIS ITEM.  * <b>Admin Comments</b> : 9/16/10 - Manufacturer Info updated. Amron only distributor. Updated on: 9/16/2010 3:26:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.1.2 CAT I Active	BIBS MASK, COMMERCIAL	AVOX SYSTEMS INC.	801238-00/01/02/03/04	PN 801238-00 / 1H-4240-01-233-6639 IS A BASIC ASSEMBLY. PN 801238-01 / 1H-1940-01-219-6370 ASSEMBLY WITHOUT PRESSURE REGULATOR. OTHER COMBINATIONS 03/04 AUTHORIZED FOR COMMERCIAL PURCHASE.  AMRON INTERNATIONAL IS THE EXCLUSIVE DISTRIBUTOR FOR THIS ITEM.  * <b>Admin Comments</b> : 9/16/10 - Manufacturer Info updated. Amron only distributor. Updated on: 9/24/2010 11:32:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.1.3 CAT I Active	BIBS MASK, COMMERCIAL	AVOX SYSTEMS INC.	VAK II, 803139-00-01/02/03/04/05, 803139-01-01/02/03/04/05	PN 803139-01-02, 9E-4220-01-173-5384 IS BASIC ASSEMBLY WITH MEDIUM FACE SEAL. PN 803139-01-03, 9C-4220-01-173-5385 IS ASSEMBLY WITH LONG FACE SEAL. OTHER VERSIONS ARE AUTHORIZED FOR COMMERCIAL PURCHASE.  AMRON INTERNATIONAL IS THE EXCLUSIVE DISTRIBUTOR FOR THIS ITEM.  * <b>Admin Comments</b> : 9/16/10 - Manufacturer Info updated. Amron only distributor. Updated on: 9/24/2010 11:34:00 AM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.1.4 CAT II Active	DUAL POWERED TRC COOLING SYSTEM	DIVEX <b>Name</b> : Graeme Clark <b>Phone</b> : 01224 740145	DPTRC-CS (SKID UNIT & UMBILICAL)	N/A Updated on: 6/17/2010 1:32:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments

7.1.7 CAT II Inactive	FIRE EXTINGUISHER, COMMERCIAL	AMRON INTERNATIONAL	MODEL 240	AMRON MODEL 240 MANUFACTURED WITH RELIEF VALVE AND PRESSURE GAUGE SPECIFICALLY FOR HYPERBARIC SERVICE.  * <b>Admin Comments</b> : 7/15/2014 - Updated manufacturer info. 6/16/2016 - Replaced by 7.1.17 AMEREX Corporation Model 240H. AMRON INTERNATIONAL Model 240 authorized for continued use. <i>Updated on: 6/16/2016 9:11:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.1.8 CAT II Inactive	PRESSURE COMPARISON DEVICE, COMMERCIAL	3D INSTRUMENTS	8106-100/ VACUUM -60 PSI, 8103-100/ 0-150 PSI, 8105-300/ 0-3000 PSI	USE ONLY DISTILLED WATER AS HYDRAULIC MEDIUM FOR GAUGE COMPARISON TO PREVENT GAUGE CONTAMINATION. FOR COMPARISON ONLY, NOT SUITABLE FOR CALIBRATION. NO LONGER MANUFACTURED NOR SUPPORTED BUT AUTHORIZED FOR CONTINUED USE. <i>Updated on: 3/18/2004 12:21:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.1.9 CAT II Active	TEMP MONITOR, COMMERCIAL	ANALOX	ANALOX 4000 SERIES SA1A14B1P SA1A14A1P	SA1A14B1P READS IN DEGREES FAHRENHEIT. SA1A14A1P READS IN DEGREES CENTIGRADE. <i>Updated on: 3/18/2004 12:21:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.1.10 CAT II Inactive	TEMP MONITOR, COMMERCIAL	COLE PARMER	TYPE J-K8521-02	NO LONGER MANUFACTURED BUT AUTHORIZED FOR CONTINUED USE. <i>Updated on: 3/18/2004 12:21:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.1.11 CAT II Active	TEMP MONITOR, COMMERCIAL	ANALOGIC CORP.	MEASUROMETER II	N/A <i>Updated on: 3/18/2004 12:21:00 PM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.1.12 CAT II Inactive	COOLING VEST, COMMERCIAL	STEELE, INC.	SA1140-FR	COOLING VESTS SHOULD BE CONSIDERED FOR CHAMBERS IN WHICH A HEAT PROBLEM MIGHT REASONABLY OCCUR, BASED ON THE OPERATIONAL ENVIRONMENT AND LEVEL OF INTERNAL & EXTERNAL CHAMBER TEMPERATURE CONTROL AVAILABLE, i.e., HEATER/CHILLER SYSTEM, AIR CONDITIONED SHELTER, EXTERNAL WATER DELUGE, ETC. GEL STRIPS, PN: SA1149 ARE ALSO REQUIRED FOR THIS SYSTEM.  * <b>Admin Comments</b> : 2/10/11 - Specific PN no longer manufactured. <i>Updated on: 2/10/2011 8:25:00 AM</i>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.1.13 CAT I Active	OXYGEN TREATMENT PANEL, COMMERCIAL	AMRON INTERNATIONAL	8890	AUTHORIZED FOR FITTED FACILITY RECOMPRESSION CHAMBERS ONLY. NOT AUTHORIZED FOR USE IN PORTABLE RECOMPRESSION CHAMBERS.  AUTHORIZED FOR USE IN HYPERBARIC CHAMBERS DURING TREATMENTS.  AUTHORIZED WITH FOLLOWING ACCESSORIES: 1. LATEX OXYGEN THERAPY HOOD (SL-1002)



				<p>2. LATEX NECK SEAL WITH MOUNT RING (SL-1001)</p> <p>3. COMPLETE O2 THERAPY HOOD WITH LATEX NECKSEAL (8891)</p> <p>4. HUMIDIFIER (8890-0063)</p> <p><i>* Admin Comments : 7/15/2014 - Updated manufacturer info.</i>  <i>Updated on: 7/15/2014 7:57:00 AM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.1.14 CAT II Active	CHEM LIGHTS, COMMERCIAL	OMNIGLOW CORPORATION	PN 9-27021 CYALUME NIGHT STICKS(CHMLT)	<p>CHMLTs AUTHORIZED AS AN EMERGENCY LIGHTING SOURCE IN HYPERBARIC CHAMBERS. DO NOT STORE CHMLTs IN CHAMBERS; INSTEAD, THEY SHOULD BE PLACED IN A TREATMENT CHAMBER ONLY WHEN NEEDED TO PROVIDE ILLUMINATION DURING A TREATMENT.</p> <p><i>Updated on: 2/5/2010 1:32:00 PM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.1.15 CAT II Active	CHAMBER CONDITIONING SYSTEM, COMMERCIAL	AMRON INTERNATIONAL	9100 ICS 9100 ICS2	<p>PN 9100RMK IS THE AUTHORIZED REPLACEMENT MOTOR KIT.</p> <p><i>* Admin Comments : 8/19/11 - PN corrected. 7/15/2014 - Updated manufacturer info.</i>  <i>Updated on: 7/15/2014 7:58:00 AM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.1.16 CAT II Active	LIGHT SYSTEM, COMMERCIAL	HYDROTEC ENTERPRISES <i>Name : Gary Standefer</i> <i>Phone : 805.985.1876</i>	TRCS ILLUMINATION SYSTEM MDL 3000 GENERATION II	<p>AUTHORIZED FOR USE WITH THE TRCS. ONLY LED BULBS ARE AUTHORIZED FOR USE.</p> <p><i>* Admin Comments : 4/21/11 - Moved from section 3.5.</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.1.17 CAT II Active	FIRE EXTINGUISHER, COMMERCIAL	AMEREX CORPORATION	MODEL 240H	<p>AUTHORIZED FOR USE WHEN FILLED TO A CAPACITY OF 2 GALLONS OF WATER AND CHARGED TO 200 PSIG.</p> <p><i>Updated on: 6/16/2016 9:49:00 AM</i></p>
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.1.99 CAT I Active	Test	Test By Allie	N/A	

## 7.2 MEDICAL INSTRUMENTS

### General Notes

(1): AUTHORIZATION OF SPECIALIZED MEDICAL EQUIPMENT FOR HYPERBARIC OPERATIONS (HBO) IS TYPICALLY GRANTED TO A SPECIFIC COMMAND OR MEDICAL PERSONNEL VIA A FORMAL LETTER FROM THE NAVSEA DIVING MEDICAL OFFICER (00CM). PERSONNEL SHALL PROVIDE PROOF OF THEIR AUTHORIZATION TO USE THE EQUIPMENT IDENTIFIED PRIOR TO PROCURING. IF YOU ARE UNSURE OF YOUR AUTHORIZATION CONTACT NAVSEA 00C3 FOR GUIDANCE.

(2): REFER TO NEDU TR 03-21 FOR FURTHER DETAILS TO ASSIST WITH SELECTING THE APPROPRIATE INFUSION PUMP THAT WILL BEST SUIT THE SPACE AVAILABLE AND YOUR SPECIFIC FUNCTIONAL REQUIREMENTS.

(3): REFER TO NEDU TR 03-18 FOR FURTHER DETAILS TO ASSIST WITH SELECTING THE APPROPRIATE VENTILATOR THAT WILL BEST SUIT THE SPACE AVAILABLE AND SPECIFIC FUNCTIONAL REQUIREMENTS. VENTILATION DURING HYPERBARIC TREATMENT REQUIRES ATTENTIVE MONITORING BY PERSONNEL TRAINED IN VENTILATOR USE AND RESPIRATORY ASSESMENT. TO ASSURE ADEQUATE SUPPORT,

CLOSE MONITORING AND CONTROL ARE PARTICULARLY CRITICAL DURING DEPTH EXCURSIONS.

Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.2.1 CAT II Inactive	PULSE OXIMETER	NONIN MEDICAL INC.	8500 SERIES DIGITAL HANDHELD PULSE OXIMETER ONYX 9500 FINGERTIP PULSE OXIMETER	ONYX MODEL 9500 FINGERTIP PULSE OXIMETER NO LONGER MANUFACTURED BUT STILL AUTHORIZED USE  * <b>Admin Comments</b> : 05/29/08 - AMU REQ 00C Biomed 11/14/2013 - Changed status to inactive Updated on: 11/14/2013 12:45:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.2.2 CAT II Active	PATIENT VITAL SIGNS MONITOR	WELCH ALLYN	PROPAQ ENCORE 202EL	General Notes: (1) Apply. MODIFICATION REQUIRED FOR USE IN A HYPERBARIC CHAMBER IAW NEDU TR 02-03 TO REPLACE BRUSH TYPE MOTOR WITH BRUSHLESS MOTOR.  AUTHORIZED FOR USE TO A MAXIMUM DEPTH OF 165 FSW  * <b>Admin Comments</b> : 9/29/2014- Added to AMU List Updated on: 9/29/2014 1:55:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.2.3 CAT II Active	BLOOD GLUCOMETER	ACCU-CHECK	ACTIVE	AUTHORIZED FOR USE TO A MAXIMUM DEPTH OF 165 FSW  * <b>Admin Comments</b> : 9/29/2014 - Added to AMU List Updated on: 9/29/2014 1:49:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.2.4 CAT II Active	BLOOD GLUCOMETER	ABBOTT DIABETES CARE (FORMERLY MEDISENSE)	PRECISION XTRA	AUTHORIZED FOR USE TO A MAXIMUM DEPTH OF 165 FSW.  * <b>Admin Comments</b> : 9/29/2014 - Added to AMU List
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.2.5 CAT II Active	PORTABLE CLINICAL ANALYZER & ANALYSIS CARTRIDGES	ABBOTT POINT OF CARE	I-STAT	General Notes: (1) Apply. THE STOCK 9 VOLT DC RECHARGEABLE LITHIUM BATTERY THAT COMES WITH THE UNIT IS NOT AUTHORIZED FOR USE IN THE HYPERBARIC ENVIRONMENT. THIS SHALL BE REPLACED WITH A 9 VOLT DC ALKALINE EQUIVALENT.  AUTHORIZED FOR USE TO A MAXIMUM DEPTH OF 60 FSW.  * <b>Admin Comments</b> : 9/29/2014 - Added to AMU List Updated on: 9/29/2014 1:54:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.2.6 CAT II Active	HANDHELD ULTRASOUND	TERASON	SMARTPROBE 2000	General Notes: (1) Apply. ONLY THE EXTERNAL DIGITAL CONVERSION MODULE (EDCM) AND THE SMARTPROBE ULTRASOUND (US) TRANSDUCER HEAD SHALL BE PLACED IN THE HYPERBARIC ENVIRONMENT. IMAGING SIGNALS SHALL BE PASSED THROUGH THE PRESSURE HULL VIA A HIGH SPEED IEEE 1394 CABLE WITH APPROPRIATE HULL-PENETRATOR.  AUTHORIZED FOR USE TO A MAXIMUM

				DEPTH OF 165 FSW.  * <b>Admin Comments</b> : 9/29/2014 - Added to AMU List  Updated on: 9/29/2014 1:55:00 PM
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.2.7 CAT II Inactive	INFUSION PUMP	MEDICAL TECHNOLOGY PRODUCTS	MILITARY TRANSPORT INFUSION PUMP 1001AF	General Notes: (1) (2) Apply. NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR USE.  AUTHORIZED FOR USE TO A MAXIMUM DEPTH OF 165 FSW  * <b>Admin Comments</b> : 9/29/2014 - Added to AMU List
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.2.8 CAT II Active	INFUSION PUMP	ZOLL	POWER INFUSER	General Notes: (1) (2) Apply. FOR USE IN DELIVERING IV SOLUTION ONLY, ANY OTHER SUBSTANCE WILL CLOG THE FILTER SYSTEM.  AUTHORIZED FOR USE TO A MAXIMUM DEPTH OF 165 FSW  * <b>Admin Comments</b> : 9/29/2014 - Added to AMU List
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.2.9 CAT II Active	INFUSION PUMP	CARE FUSION	ALARIS MEDSYSTEM III	General Notes: (1) (2) Apply. AUTHORIZED FOR USE TO A MAXIMUM DEPTH OF 165 FSW  * <b>Admin Comments</b> : 9/29/2014 - Added to AMU List
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.2.10 CAT II Inactive	INFUSION PUMP	CARE FUSION	IMED GEMINI PC-1	General Notes: (1) (2) Apply. NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR USE.  AUTHORIZED FOR USE TO A MAXIMUM DEPTH OF 165 FSW  * <b>Admin Comments</b> : 9/29/2014 - Added to AMU List
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.2.11 CAT II Active	VENTILATOR	IMPACT INSTRUMENTS INC.	UNI-VENT EAGLE MODEL 754	General Notes: (1) (3) Apply. AUTHORIZED FOR USE TO A MAXIMUM DEPTH OF 165 FSW  * <b>Admin Comments</b> : 9/29/2014 - Added to AMU List
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.2.12 CAT II Inactive	VENTILATOR	NEWPORT NMI	E100M	General Notes: (1) (3) Apply. NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR USE TO A MAXIMUM DEPTH OF 165 FSW.  * <b>Admin Comments</b> : 9/29/2014 - Added to AMU List
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments

7.2.13 CAT II Active	VENTILATOR	ALLIED HEALTH CARE PRODUCT, INC.	OMNI-VENT SERIES D	General Notes: <b>(1) (3)</b> Apply. AUTHORIZED FOR USE TO A MAXIMUM DEPTH OF 165 FSW  * <b>Admin Comments</b> : 9/29/2014 - Added to AMU List
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.2.14 CAT II Inactive	VENTILATOR	PENLON	MULTIVENT	General Notes: <b>(1) (3)</b> Apply. NO LONGER MANUFACTURED BUT STILL AUTHORIZED FOR USE TO A MAXIMUM DEPTH OF 165 FSW  * <b>Admin Comments</b> : 9/29/2014 - Added to AMU List
Equip#	Item/Stock#	Manufacturer	Designation/Model	Comments
7.2.15 CAT II Active	FINGERTIP PULSE OXIMETER	NONIN MEDICAL INC.	ONYX II 9550	AUTHORIZED FOR USE TO A MAXIMUM DEPTH OF 165 FSW  * <b>Admin Comments</b> : 6/22/15 - Added to AMU list  Updated on: 3/23/2017 11:42:00 AM