

APPENDIX I

GLOSSARY

The entries listed in this appendix are terms as they are used in this training manual.

ASSEMBLY-LEVEL ITEM— A component, consisting of one or more parts, that is designed to function as an end item in a mine assembly.

ASSEMBLY TEST— A test by which such characteristics as voltage, continuity, resistance, leakage, and balancing are determined to exist or not to exist, as appropriate, during the assembly and maintenance of a mine.

ATOMIZATION— The process of reducing to fine particles or spray.

LONG-CYCLE MAINTENANCE— A specified interval of time at which programmed maintenance for mine assemblies is required.

MAINTENANCE— The actions required to retain material in a serviceable condition or to restore it to a serviceable condition.

MASTER RECORD SHEET (MRS)— A preprinted form used by IMAs and other authorized technicians to provide assembly, maintenance, and operational data for mines.

MINE BILL OF MATERIAL (MBOM)— A computer-produced, consolidated list for underwater-mine material.

SHORT-CYCLE MAINTENANCE— A specified interval of time at which programmed maintenance on assembled mines in configurations A, B, and C is required to be performed.

SPARES— The assembly-level items maintained on site in excess of those installed in mine assemblies.

VISCOSITY— The property of a fluid that resists the force tending to cause the fluid to flow.

VISUAL INSPECTION— The class-B testing of mine components by sight, test, or manipulation without the use of test instruments.

APPENDIX II

ABBREVIATIONS AND ACRONYMS

The entries listed in this appendix are abbreviations and acronyms as they are used in this training manual.

CNO— Chief of Naval Operations

COMNAVSEASYSCOM— Commander,
Naval Sea Systems Command

EED— electro-explosive device

MBOM— mine bill of material

MHE— materials-handling equipment

MRS— master record sheet

MSDS— material safety data sheet

ORDALT— ordnance alteration

OSR— overhaul screening and repair

PMS— programmed maintenance schedule

Q-D— quantity distance

RFI— ready-for-issue

S&A— Safety Device and Arming Group

SCBA— self-contained breathing apparatus

TRS— technical repair standard

UNO— United Nations Organization

APPENDIX III

REFERENCES USED TO DEVELOP THIS TRAMAN

The references listed in this appendix were used to develop this training manual.

Ammunition and Explosives Ashore, Safety Regulations for Handling, Storing, Production, Renovation, and Shipping, NAVSEA OP 5, Volume 1, Naval Sea Systems Command, Washington, D.C., 1990.

Bomb Assembly Platform Stand, A/F32K-1A Part 551AS100-1 and Small Bomb Assembly Platform Stand A/F32K-10 Part Number 551AS200-1, NAVAIR 19-15-27, Naval Air Systems Command, Washington, D.C., 1989.

Handling Ammunition, Explosives, and Hazardous Materials with Industrial Materials Handling Equipment, NAVSEA OP 4098, Naval Sea Systems Command, Washington, D.C., 1976.

Handling, Packaging, Storing, & Transportation of Underwater Mines and Destructors for Shore-Based/Shipboard Operations, NAVSEA SW023-M3-WHS-010, Naval Sea Systems Command, Washington, D.C., 1990.

Mine Components A through C; Description and Class-B Criteria, NAVSEA SW550-AA-MMI-010, Naval Sea Systems Command, Washington, D.C., 1988.

Motor Vehicle Driver's Handbook, Ammunition, Explosives, and Hazardous Materials, NAVSEA OP 2239, Naval Sea Systems Command, Washington, D.C., 1980.

Periodic Testing Arrangements for Ordnance Handling Equipment, NAVSEA SG420-AP-MMA-010, Naval Sea Systems Command, Washington, D.C., 1990.

Underwater Mine Maintenance System, NAVSEA SW550-FO-PMS-010, Naval Sea Systems Command, Washington, D.C., 1990.

INDEX

A

- Aero 51B munitions trailer, 2-23 to 2-24
- Air-purifying respirators, 1-34
- Airless spray painting, 1-27
- Aisle safety, 2-6
- Aluminum surface corrosion, 1-17
- Assembly
 - maintenance master records, 1-12 to 1-15
 - operating buildings, 2-11 to 2-12

B

- Battery, storage/thawing, 1-35 to 1-36
- Bleeder gun, 1-22
- Bleeding, paint, 1-26
- Blushing, paint, 1-26
- Bomb assembly stand, 2-26

C

- Chemical hazard symbols, 2-7 to 2-9
- Classification, hazard, 2-13
- Commanding officer safety responsibilities, 2-2
- Compatibility
 - groups, 2-13 to 2-14
 - tables, 2-14
- Conversion Kit Mk 130, 1-6
- Corrosion control, 1-15 to 1-18

D

- Depot-level maintenance, 1-2
- Destructor Kit Mk 75, 1-6
- Distance, separation, 2-13
- Dollies, 2-22 to 2-23
- Drier, paint, 1-31
- Drivers, explosives, 2-16

E

- Electrical safeguards, 2-9 to 2-10
- Equipment
 - markings, 2-15
 - testing, 2-15 to 2-16
 - types, 2-14 to 2-15
- Exemptions, 2-14
- Exit safety, 2-6
- Explosives
 - drivers, 2-16

limit regulations, 2-5

operating/assembly buildings, 2-11 to 2-12

External

- mix gun, 1-22
- thermal-coated surface corrosion, 1-18

F

Fire

- hazard symbols, 2-7 to 2-9
- prevention and control, 2-6

Flame-producing devices, 2-6

Floors, 2-6

G

- Gantry A-frame, 2-24 to 2-25
- Ground systems, 2-9 to 2-10

H

Handling equipment

- Aero 51B munitions trailer, 2-23 to 2-24
- bomb assembly stand, 2-26
- dollies, 2-22 to 2-23
- gantry A-frame, 2-24 to 2-25
- industrial equipment, 2-14 to 2-16
- lifting devices, 2-20 to 2-21
- ordnance equipment, 2-16 to 2-21
- safety, 2-6
- slings, 2-17 to 2-20

Hazard

- classifications, 2-13
- symbols, 2-7 to 2-9

Housekeeping regulations, 2-5 to 2-6

I

Industrial materials-handling equipment, 2-14 to 2-16

Inspections, magazine/storage, 2-12

Instrumentation ground system, 2-10

Intermediate-level maintenance, 1-2 to 1-3

Internal-mix gun, 1-22

L

Lifting devices, 2-20 to 2-21

Lightning ground system, 2-10

Lockers, clothing, 2-6
Long-cycle maintenance, 1-4

M

Magazine

designators, 2-9
exits, 2-11
operations, 2-11
storage, 2-10

Maintenance cycles

Conversion Kit Mk 130, 1-6
Destructor Kit Mk 75, 1-6
extensions, 1-4

Master record sheets, 1-12 to 1-15

Material

quantity, 2-13
segregation, 2-13
type, 2-13

Message format, supplements B&E, 1-12

Mine handling

safety, 2-1 to 2-10
storage, 2-10 to 2-14
maintenance levels, 1-1 to 1-6

Mines, painting, 1-18

Motor vehicles, 2-6, 2-11

N

Nonbleeder gun, 1-22

O

Operator safety, MHE, 2-15

orange peel, paint, 1-26

Ordnance ground system, 2-10

Organizational-level maintenance, 1-1 to 1-2

P

Paint

application, 1-32
brushes, 1-30
composition, 1-31
preparation, 1-31 to 1-32
rollers, 1-31
respirators, 1-33 to 1-35

Painting

mines, 1-18
safety, 1-32 to 1-35
spray paint defects, 1-26

Painting equipment, 1-21 to 1-31

paint rollers, 1-31

paintbrushes, 1-30
respirators, 1-33 to 1-35
sandblasting hoods, 1-34 to 1-35
spray guns, 1-21 to 1-30

Peeling, paint, 1-26

Personnel limit regulations, 2-4 to 2-5

Pigment, paint, 1-31

Pinholes, paint, 1-26

Power

ground system, 2-9 to 2-10
tools, 1-20 to 1-21

Pressure-feed gun, 1-22

Programmed maintenance, 1-3 to 1-6

assembly-level items, 1-5
cycle maintenance, 1-3 to 1-4
maintenance extensions, 1-4

Q

Quantity-distance

hazard classification, 2-13
principles, 2-12 to 2-13
requirements, 2-12 to 2-14

R

Railcars, 2-11

Red flag, 2-11

Refueling, 2-6

Reporting forms, 1-7 to 1-15

Respirators, 1-33 to 1-35

air purifying, 1-34
supplied air, 1-34 to 1-35

Runs/sags, paint, 1-26

S

Safety, 2-1 to 2-10

aisles, 2-6
clothing lockers, 2-6
electrical safeguards, 2-9 to 2-10
equipment, 2-6
exits, 2-6
fire prevention, 2-6 to 2-9
floors, 2-6
handling equipment, 2-6
regulations, 2-4 to 2-6
responsibilities, 2-2 to 2-4
smoking, tobacco, 2-6
tools, 2-6

Safety practices

electrical/pneumatic, 1-20 to 1-21

- painting, 1-33
- Sandblasting hoods, 1-34 to 1-35
- Separation distance, explosives, 2-13
- Shop procedures, 1-18 to 1-35
 - painting, 1-21 to 1-35
 - tools, 1-18 to 1-21
- Short-cycle maintenance, 1-3 to 1-4
- Slings, 2-17 to 2-20
- Smoking, tobacco, 2-6
- Spray guns, 1-20 to 1-30
 - assemblies/components, 1-23 to 1-24
 - care, 1-26 to 1-27
 - head removal/replacement, 1-29
 - operation, 1-24 to 1-26
 - troubles/causes/remedies, 1-28
- Spray paint defects, 1-26
- Stainless steel surface corrosion, 1-17
- Stand, bomb assembly, 2-26
- Static ground system, 2-10
- Steel surface corrosion, 1-16 to 1-17
- Storage, ammunition/explosives, 2-10 to 2-12
 - compatibility, 2-13 to 2-14
 - exits, 2-11
 - inspections, 2-12
 - magazine operations, 2-11
 - motor vehicles, 2-6, 2-11
 - operating/assembly buildings, 2-11 to 2-12
 - operations, 2-11
 - railcars, 2-11
 - red flag, 2-11
 - regulations, 2-10
- Striping, paint, 1-32
- Suction-feed gun, 1-22
- Supervisor safety responsibilities, 2-2 to 2-4

Supplement

- A report, 1-7
- B report, 1-8
- E report, 1-9
- F record, 1-10
- G record, 1-12
- H record, 1-13
- J record, 1-11
- K record, 1-13
- L record, 1-14
- M record, 1-14
- N record, 1-15
- Supplied-air respirators, 1-34 to 1-35
- Symbols, fire/chemical, 2-7 to 2-9

T

- Technician safety responsibilities, 2-4
- Thawing, battery, 1-35 to 1-36
- Thinner, paint, 1-31
- Tool safety, 2-6
- Torque wrenches, 1-19
- Trailer, Aero 51 B munitions, 2-23 to 2-24

U

- Underwater Mine Maintenance System, 1-1 to 1-36

V

- Vegetation, 2-7
- Vehicle, paint, 1-31

W

- Waivers, 2-14
- Wrenches, 1-19

