DAMAGE CONTROL FLEET AEL's
USER'S GUIDANCE
2004 REVISION

HOW TO READ THE DAMAGE CONTROL AELs

History of Damage Control AELs

1. The 1990 major revision and the 1991 through 2004 updates of the DC AELs have been used to determine the damage control outfitting requirements for ships and has established a standard for fleet outfitting. Some additions and quantity changes were a result of Lessons Learned from the USS COLE incident in October 2001. The Damage Control AELs provide the allowance requirements for damage control equipment onboard USN surface ships. The 2004 Revised AEL's were reviewed and scrubbed to remove obsolete equipment, change quantities and add improved equipment as funds are available.

2. The DC/FF equipment was organized and grouped according to the function that it served. Equipment for the Firefighting, Dewatering and Desmoking Kits was required to be stowed in close proximity for immediate access so that the teams are manned and ready to fight these casualties immediately. All inspections will be conducted using the latest AELs as the standard check-off list. Future updates and revisions of the DC AELs will be made with the inspector's assistance.

3. The Damage Control AEL is identified by a two-tier numbering system. AEL numbers 2-880044200 to 2-880044299 are reserved for Damage Control.

The first tier consists of the Parent AELs (2-880044200 through 2-880044220) in which the AEL number indicates the type of repair locker/station and number installed on the ship.

<table>
<thead>
<tr>
<th>Type of Locker/Station</th>
<th>Quantity</th>
<th>2-880044200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Damage Control Repair Station Modified</td>
<td>1</td>
<td>2-880044200</td>
</tr>
<tr>
<td>Damage Control Repair Stations (DCRS)</td>
<td>1-10</td>
<td>2-880044201-220</td>
</tr>
<tr>
<td>Damage Control Unit Lockers (DCUL)</td>
<td>1-28</td>
<td>2-880044212-215</td>
</tr>
<tr>
<td>Damage Control Unit Patrol Stations (DCUPS)</td>
<td>1-8</td>
<td>2-880044216-217</td>
</tr>
<tr>
<td>DC Rescue &amp; Assist/Reentry Locker (DCREL)</td>
<td>1-2</td>
<td>2-880044218</td>
</tr>
</tbody>
</table>

The second tier consists of the Kit AELs (2-880044222 through 2-880044299) in which the equipment is grouped by the function it serves (i.e. Dewatering, Desmoking and Firefighting Access). This allows fleet wide updating of additions and deletions to the particular kit AEL. It also establishes the same standard functional kit from class to class. See Enclosure (2) for a complete listing of the Damage Control AELs.

5. PARENT AELs

The first group of Parent DC AELs has been organized by the number of Damage Control Repair Stations (DCRS) from 0 to 10. For AELs 2-880044201 through 2-880044207 the last number in the Parent AEL corresponds to the number of Damage Control Repair Stations (DCRS) onboard. The maximum number of columns available for the Parent AELs format is 7. Column 8 is used for supply outfitting totals to be ordered by SUPSHIP or the Ship Builder.

2-880044200 = all modified DC Repair Station Ship Classes
2-880044201 = all 1 DC Repair Station Ship Classes

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2-880044202 = all 2 DC Repair Station Ship Classes
2-880044203 = all 3 DC Repair Station Ship Classes
2-880044204 = all 4 DC Repair Station Ship Classes
2-880044205 = all 5 DC Repair Station Ship Classes
2-880044206 = all 6 DC Repair Station Ship Classes
2-880044207 = all 7 DC Repair Station Ship Classes

For ship classes having 8, 9, or 10 DCRS, two AELs must be utilized.
2-880044208 and 2-880044209 = 8 DCRS Ship Classes
2-880044210 and 2-880044211 = 10 DCRS Ship Classes
2-880044212 and 2-880044220 = 9 DCRS Ship Classes

6. KIT AELs

The Damage Control Kit AELs provide numbers by equipment function in alphabetical order starting with KIT, ADAPTERS/CONNECTIONS 2-880044225 and ending with KIT, WELDING EQUIPMENT 2-880044288. When the total number of kits required onboard for any functional area exceeded 8, a second sequential AEL was built for 9-72 kits. By using both kit AEL(s) the total number of kits can be obtained.

A. The 1995 Revision provided additional Damage Control Kits. These included:

2-880044222 Kit, Plastic Patch/pipe Repair - Qty 9-72
2-880044223 Kit, BANDING Tool - Qty 9-72
2-880044224 Kit, Adapters/Connections - Qty 9-72
2-880044256 Kit, Fire Fighting/Access Personnel DC - Qty 81-648
2-880044288 Kit, Shoring Supplement/GRP Repair - Qty 1-8
2-880044298 Kit, Safety/Survivability/NDI Equipment - Ships with 1-8 DCRS
2-880044299 Kit, Safety/Survivability/NDI Equipment - Ships with 9-10 DCRS

B. In 1991, damage control equipment was separated by function into bags with markings pertaining to that function; or into distributed stowage lockers in the DCRS Area of Responsibility (AOR). A standardized equipment inventory could be established for all classes of ships. It also aided in the following areas:

- To provide TYCOMS a standardized configuration for Damage Control Equipment onboard ships.
- To provide personnel with a standard for training and familiarity of the kits, independent of ship type.
- To provide new ship designs with an accurate baseline to provide stowage with relation to equipment function.
- So that equipment could be updated in the kits without impacting the Parent AEL structure.

7. USER'S GUIDANCE FOR THE PARENT AEL's

HELPFUL HINTS FOR USERS: The following is a list of helpful hints for using the PARENT DC AEL's See Enclosure (2):

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- Determine the Total Number of Damage Control Repair Stations (DCRS), formally known as Repair Locker, onboard for the ship class.

- Go to the appropriate Parent AEL (i.e. 2-880044203)

- In the Parent AEL Characteristics Section the "Ship Allowance Table for DCRS" identifies all the ship classes that have the same number of DCRS, and therefore the AEL is applicable. The columns identify the actual DCRS identification number for the ship class.

(COL1=DCRS 2, COL2=DCRS 3, COL3=DCRS 5)

Example

<table>
<thead>
<tr>
<th>SHIP CLASS</th>
<th>COL1</th>
<th>COL2</th>
<th>COL3</th>
<th>COL4</th>
<th>COL5</th>
<th>COL6</th>
<th>COL7</th>
<th>COL8</th>
</tr>
</thead>
<tbody>
<tr>
<td>CG, DDG 51,</td>
<td>2</td>
<td>3</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AGF, FFG 7,</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LSD 41, 44</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- The Parent AELs list the equipment required for the DCRS, DCUPS, DCUL, or DCREL. The Parent AEL also refers to the kits required onboard. The columns on the Parent AEL list the number of kits that are required for a DCRS, DCUPS, or DCUL. If there is no number in the column on the Parent AEL, the Kit will not be stowed in the DCRS but is part of the onboard allowance.

Examples: Kit-Engineering Space, Kit-DCPO, Kit-Portable Pump Accessories and Kit-CPS Repair (if required)

- The Kit-DCPO is provided as information only to support the shipboard DCPO Program.

- The Kit-Portable Pump Accessories is needed for operating the P-100. This Kit is not required for P-100s that are stored in the Supply Storerooms as spares.

- The prefix "PP" refers to Personnel Protection Equipment.

- The Prefix "CP" identifies Chemical Protection Equipment for CBR-D Outfitting.

- The SEE NOTE is used to provide amplifying information and the number is directly under the equipment name.

- Under the ONBOARD ALLOWANCE TABLE, columns (1-7) identify the quantity of the equipment item, but the user must refer to the U/I column to the left to determine the Unit of Issue. Enclosure (-) defines the abbreviations for the Unit of Issue.

8. USER'S GUIDANCE FOR THE KIT AEL's

Enclosure (2) provides an example of a kit AEL. Information below will help in understanding the various parts of the AEL.

- Each title block begins with the word KIT followed by a further definition of the equipment function, and then - DC to denote Damage Control reference. For Kit
AELs having more than 8 kits, the first AEL will be either QTY 1-8 or QTY 9-72.

- The Damage Control equipment items are arranged in alphabetical order within the kit. All items are ordered individually.

- The first column identifies supply information such as MIL STANDARD, Manufacturer Part Number, Equipment specific AEL/APL and Equipment descriptive information.

- The second column identifies the noun name of the equipment.

- The third column identifies the National Stock Number (NSN) or a NICN number. A NICN is assigned to track an equipment line item that does not have an NSN.

- The next column identifies the number of equipment pieces required for the kit and the quantity of issue: EA, PG, PR etc.

- The On Board Allowance Table states the number of kits (1-72).

- New AEL items are indicated by boldface type and a shaded block at the left of the item description.

- Deleted items have a line through all words/numbers (except NSN).

For a summary of the 2004 Revision of additions, changes and deletions that were incorporated into the 2004 DC AEL revision, refer to Enclosure (5).