

Mil-Pac Technology
CONTRACT MANAGEMENT SERIES™

MIL-STD 2073
PACKAGING ENGINEERING
DATABASE®

USER MANUAL

Revision: **2.0**

Systems: Windows 3.1 and upwardly compatible systems.

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PREFACE

How to Use This Manual

This User Manual has been designed to assist the user through each step of Mil-Pac's Mil-Standard 2073 Packaging Engineering Database (PED) software. The principles of operation are generally the same as for any other program designed for Microsoft Windows. The program is user friendly and can be easily mastered.

The PED Tutorial Guide is included in the reference manual to allow users to practice producing Mil-Std 2073 packaging code breakdowns with the PED software. The Tutorial Guide introduces the functions of the PED program through a number of easy-to-complete exercises. The Tutorial Guide can also be used in addition to the detailed manual as a quick reference tool for the functions and capabilities of the program.

Getting Assistance from Mil-Pac

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INTRODUCTION

The Mil-Pac Packaging Engineering Database (PED) provides those who must package products in accordance with Military-Standard 2073 with a tool which greatly speeds and simplifies the determination of the proper methods and materials to be used in that packaging. The PED program eliminates the tedious task of researching and transcribing information from the military standards by automatically extracting and cross referencing this data into an easy to use report, which can be printed or reviewed on-line.

The PED program was specifically designed for government entities, prime contractors, and packaging professionals who make frequent use of Mil-Std 2073, and require firm control over the accuracy and quality of their mil-standard packaging. The packaging worksheets produced by the software can also lend a more formalized appearance to the packaging process.

Contract	Line Item	Part Number	
SP0450-00-M-AN63	0001	YPG00010000928	<input type="button" value="Close"/>
Packaging Worksheet			<input type="button" value="Supplemental Data"/> <input type="button" value="Print"/>
Unit Container:	A1	Bags made of material conforming to MIL-P-130, MIL-P-17667, MIL B-121 Grade A, or any material authorized by MIL-B-117. Closure may be by staple, tape, adhesive or heat seal.	
Degree of Protection:	0	No requirement	
Intermediate Container:	D3	PPP-B-566, PPP-B-665, PPP-B-676 or ASTM-D5118, folding, metal edged, setup or fiberboard box	
Unit Container Level:			
Special Markings:	00	No special marking	

Portion of a Packaging Code Breakdown

Revisions of Mil-Standard 2073

On December 15, 1999 revision 1D of Mil-Std-2073 was introduced. This revision will replace Mil-Std-2073-1C. The changes from 1C to 1D are outlined in the **Transition Guide** located on the following page.

Prior to the release of Mil-Std-2073-1D, revision 1C of Mil-Std-2073 was introduced on October 1, 1996. This replaced MS-2073-1B. Revision 2073-1C incorporated the packaging codes previously found in MS-2073-2C and Mil-P-116, making those standards obsolete. The PED software supports the standards for both 2073-1C and 2073-1D.

The PED has the capability of looking up references to Mil-P-116 and Mil-B-117 codes that are found in a packaging requirement and including those cross references in the packaging breakdown. Throughout the manual the references to Mil-P-116 and/or Preservation Method cross-referencing can be used interchangeably. The former applies to specifically MS-2073-2C packaging codes and the latter to MS-2073-1C.

TRANSITION GUIDE

MIL-STD-2073-1C	MIL-STD-2073-1D
Application Principals Paragraph 1.2	Redefines when this document is to be used. Figure 1 was also revised to reflect these changes.
Definition of "Critical Items" Paragraph 3.6	Definition was expanded, clarified and made more explicit.
Cleaning and Drying Operations by Testing Paragraph 5.2.1	Verification of satisfactory cleaning and drying operations by testing was added as a mandatory requirement.
MIL-B-117 bags Method of Preservation Table II	References to MIL-B-117 bags no longer in existence were deleted from the method of preservation definitions and from Table II.
"Packaging Of" Specifications Table A.VI	Twenty-six cancelled "packaging of" specifications were deleted from Table A.VI.
QUPs Appendix B	Appendix B was re-written for clarity in an attempt to reduce the confusion regarding the determination of QUPs.
Ordnance Items Paragraph C.5.1.3	Paragraph C.5.1.3 was added to define specialized shipping container requirements for ordnance items.
Preservation and Packing Inspections Appendix G, Sections G.4 and G.5	Appendix G Preservation and Packing Inspections (G.4 and G.5) are now mandatory requirements.
Codes 'Y' and 'YY' Appendix J Tables	Codes 'Y' and 'YY' were deleted from Appendix J tables. These options are no longer permitted.
DD Form 2169 and DD Form 2169C Appendix E	Officially issued DD Form 2169 and DD Form 2169C replace the draft forms that were included in Appendix E of MIL-STD-2073-1C.
Specification References MIL-STD-2073-1	Specification references throughout MIL-STD-2073-1 were updated to reflect cancellations, re-designations and replacements as applicable.

System Requirements

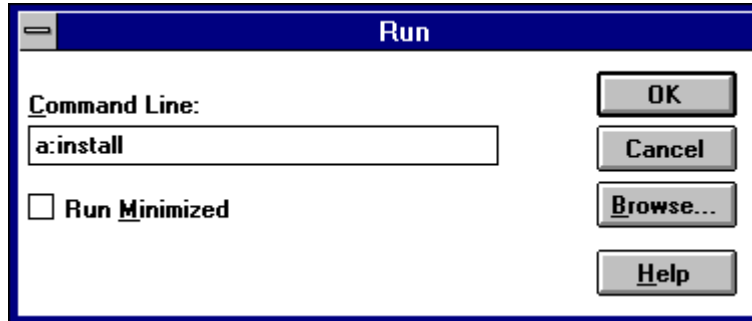
- **Computer** - PED is designed to run on IBM AT, PS/2, and fully compatible computers using a 386 or higher processor.
- **Operating System** - PED runs with Windows 3.1 and later versions, which require DOS 3.1 or later.
- **Memory** - There are no specific memory requirements for running PED beyond that required to run Windows.
- **Disk Drive** - Your computer must have a hard disk with at least 1.5 MB of free space.
- **Mouse** - While not required, some users may find it easier to use a mouse. Any mouse supported by Windows will work.
- **Printer** - Any Windows supported printer.

The PED makes very few special demands on the Windows environment. The only potential point of contention may be its use of the Paradox database engine for Windows, which is utilized by PED for storage of the user's data and the military standards.

Installation

This section gives step-by-step instructions for installing the program to a hard drive. Windows version 3.1 (or greater) must be installed before attempting to install PED. To install the Mil-Std 2073 Packaging Engineering Database, follow these simple instructions:

1. Load the PED Product Disk in the **A or B-Drive**.
2. Start Windows, then choose File>Run from the Windows desktop.



File>Run dialog box.

3. In the Command Line text box, type drive:install where drive is the letter of the disk drive containing the PED disk. Installation may also be started from DOS by typing: **win drive:install**, then press **<Enter>**.
4. Click **[OK]** or press **<Enter>**.
5. The PED installation process will startup, and you will be given a number of simple instructions to follow.

Command Overview

This chapter describes how to start the PED program and introduces some basic terms and keystrokes. An overview of the program structure is also provided.

Starting The Program

The PED program is started from the Windows desktop by double-clicking on its icon. Or the icon may be selected by using the cursor keys or by pressing the **<P>** key. Once the icon's legend is highlighted (inversed), you may press **<Enter>** to start the program.

Keyboard Commands

Throughout this manual, data or commands to be entered by the user will appear in **bold** printing. Buttons located on the dialog screens are in bold print and bracketed: **[Ok]**.

As you may have noticed, various keyboards have different arrangements of keys and symbols printed on them. The most notable of which is the Return key, which is generally labeled "Enter", "Return" or as a left-arrow with a tail. In most cases, it will be the largest key on the keyboard. Throughout this document this key will be referred to as the **<Enter>** key.

The FormEditor makes use of a couple of the function keys, which will be referred to as **<F1>** and **<F4>**. The **Control** and **Alt** keys are used in conjunction with other keys. For example the notation "**<Alt-X>**" means to press the **X** key while holding down the **<Alt>** key (this is just like using the shift key on a typewriter).

Typographical constructs such as **File>Save** refer to the menu selections found below the application's title bar. In this particular case the user is directed to select the Save option from the File menu. This is done by clicking on each word in order, first File, then Save, in this case. The application's main menu selections may be selected by pressing the key (underscored) letter while holding down the **<Alt>** key. For example, the **File** option can be selected by pressing **<Alt-F>**.

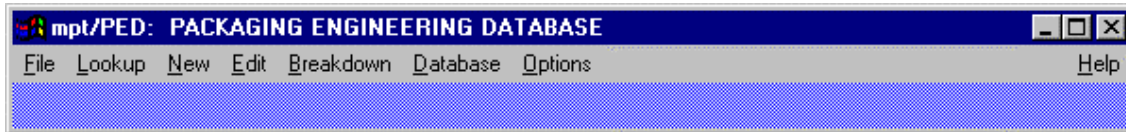
Although we recommend using a mouse with the PED, most operations can easily be performed using the keyboard. A summary of relevant keystroke combinations has been listed in the following section.

Common Terms

<Tab>	Used to move forward to the next block or command. The Tab key will be the main function key and will be available for use at any time in the program.
<Shift-Tab>	This keyboard function is used to move backward to a previous block or command. It is used in conjunction with the Tab key to move freely through the screen.
Dialog Box	A window that pops up and contains fields to be completed and/or buttons which may invoke other similar windows.
<Enter>	The Enter key is available in some screens to move forward to the next block or selection.
<Spacebar>	Located at the bottom-middle of the keyboard. Activates a selected button or checks a selected box for a value.
<Fn>	Function key #n.
Alt+Spacebar	Opens the Control menu for the application menu.
Alt+Hyphen(-)	Opens the Control menu for the dialog box.
Check	means to position the pointer on a check box and press the left mouse button to select a dialog box or value option.
Click	means to press the left mouse button while the pointer is on an object to select an object. For example, to follow the instruction "Click OK," move the pointer to the OK button, and then click the left mouse button. If a character in a button name is underlined, that key may be pressed while holding the <Alt> key instead of clicking on the button with the mouse.
Drag	means to hold down the left mouse button while you move the mouse. Depending on the type of the object selected dragging can create, resize, or move an object.
Selected	When a field or button has a box around it, or when a menu choice is highlighted.

Note that while PED's application and dialog control menus (Alt-Spacebar and Alt-Hyphen) provide a Close function, it is always recommended that you use the buttons on the dialog to close each window/function.

TUTORIAL



Packaging Engineering Database menu bar

This tutorial takes you step by step through the process of creating the breakdown for a Mil-Std 2073 packaging requirements code. Throughout the tutorial you will be asked to enter data, allowing you to experience how simple it is to produce a breakdown with the PED. The responses you enter will appear in **bold** print.

The data used in this example is entirely arbitrary. It has been selected to demonstrate certain features of the software. After completing the tutorial it is suggested that you try the same process with your own data.

Creating a New Breakdown

From the application desktop, click on **New** or press **<Alt N>** to enter data for a new part. You will be asked to enter the Contract and Line Item numbers for the part you wish to define. The Edit Packaging Worksheet dialog below will appear, with blank fields which you will complete according to the instructions which follow.

Edit Packaging Worksheet		
Contract/Reference Number DLA900-98-B-2001	Line Item Number 002	Cross-References <input checked="" type="checkbox"/> Pres. Methods <input checked="" type="checkbox"/> Mil-B-117
Part Number 4321-02-363-9165	Sales Order Number	
Item Description Antenna Bracket		
Prepared By L. Carter		<input type="button" value="Ok"/> <input type="button" value="Cancel"/> <input type="button" value="Help"/>
Date 00AUG04	<input type="button" value="Enter Pkg'ing Code"/>	
	<input type="button" value="Do Breakdown"/>	
	<input type="button" value="Supplemental Data"/>	
Mil-Std Version	<input type="button" value="DD2326 / Mil-1388"/>	
<input type="radio"/> MS2073-2C (Jun 91)	<input type="button" value="Create Barcodes"/>	
<input type="radio"/> MS2073-1C (Oct 96)		
<input checked="" type="radio"/> MS2073-1D (Dec 99)		

Edit Packaging Worksheet dialog

Entering the Part Description

The packaging data in the PED database is organized by contract and line item number. This is to allow the same part to be packaged differently for individual destinations and/or customers. When retrieving a part from the PED database, the contract and line item numbers serve as index keys.

The first step is to enter a contract number into the packaging worksheet, as pictured in the figure above. Do not worry about capitalization, as the system automatically capitalizes anything that requires it. To navigate between the fields, use the **<Tab>** key. When finished entering the contract number, press **<Tab>** to move to the next field, Line Item Number.

Enter the CLIN as shown then press **<Tab>** again. Be sure not to press the **<Enter>** key while entering data. In Windows programs this signals that data entry into a dialog is

complete. If you should accidentally press **<Enter>** and find yourself back at the program menu, simply select New/Edit again, then answer No when asked if the current part should be erased.

Continue to enter data into the Item Description, Prepared By and Date fields, pressing the **<Tab>** key after each. If you notice any errors you wish to correct in previously completed fields, press the **<Shift-Tab>** key to move through the fields in reverse order, or simply click on the desired field with the mouse. You will notice as you complete the Prepared By field that it allows lower-case responses. You may override this by pressing the **<Caps-Lock>** key.

Finally, select which version of Mil-Std 2073 should be applied. Use the Up and Down cursor arrows to select the appropriate choice, or simply click on it. For the tutorial, we will use Mil-Std 2073-2C.

Once the item description information has been entered there are two sections still to be completed:

- 1. Packaging Code** - The actual mil-standard packaging codes.
- 2. Supplemental Data** - Optional information that can be added.

Information on completing these two components of the packaging worksheet will be provided in the following sections.

Packaging Requirements Code

To enter the mil-standard packaging code click on the **[Enter Pkg'ing Code]** button located on the Edit Packaging Worksheet dialog, or press **<Alt E>**. If the button is already selected, you may press the **<Spacebar>** or **<Enter>**. You can tell the button is selected if a faint dashed box surrounds its name. The dialog shown below will appear.

Mil-Std 2073 Packaging Code

Contract:

CLIN: PN/NSN:

Item:

Hazardous Material Level A Packing

Qty per Unit Package Level B Packing

Intermediate Container Qty Level C (Minimal) Packing

Method Of Preservation

Cleaning/Drying Procedure

Preservative Material

Wraps

Cushioning and Dunnage

Cushioning Thickness

Unit Container

Degree of Protection

Intermediate Container

Unit Container Level

Special Markings

Unit Package Dimensions

Weight

Length Cubic Feet

Width Whole

Depth 1000ths

Option

Packaging Code Entry dialog

Complete this dialog by entering the packaging codes as shown in the example or as found on your contract, into the appropriate fields on the dialog. Press the **<Tab>** key to move from field to field, or **<Shift Tab>** to move in the reverse direction, or click on individual fields.

Note that most fields in the Packaging Code Entry dialog have a small button to the right of the data. Clicking on the button will bring up a list of the codes for that packaging requirement, as shown below.

To enter a code into your packaging worksheet, simply double-click on it, or select it then press the **[Ok]** button. When all fields are completed, press **<Enter>** or click on **[Ok]** to accept this data. Fields may be left blank and completed at a later time. The resulting breakdown will show an empty space for any blank codes. Entry of the packaging data can be abandoned all together by pressing **<Alt C>** or clicking on the **[Cancel]** button. This will restore the data to the state it was in before the dialog was invoked.

Unit Package Dimensions Wizard

The section of the Edit dialog that is used for entering the unit package dimensions comes with a Wizard to help format the correct calculations for the dialog entries:

Unit Package Data		MS-2073 Encoding
Weight (lbs):	10 (nnnn.n)	00100
Length (inch):	24 (nnn.n)	0240
Width:	24 (nnn.n)	0240
Depth:	24 (nnn.n)	0240
Cubic Feet:	8.000 (nnnn)	0008
		(.nnn) 000

Dimensional Wizard with calculations displayed

When you are finished entering the dimensions, click on **[Calculate]**. If these amounts are correct, click on **[Ok]** to return to the Edit dialog.

Mil-Std 2073 Packaging Code [X]

Contract:

CLIN: PN/NSN:

Item:

^ Hazardous Material ^ Level A Packing

Qty per Unit Package ^ Level B Packing

Intermediate Container Qty ^ Level C (Minimal) Packing

^ Method Of Preservation

^ Cleaning/Drying Procedure

^ Preservative Material

^ Wraps

^ Cushioning and Dunnage

^ Cushioning Thickness

^ Unit Container

^ Degree of Protection

^ Intermediate Container

^ Unit Container Level

^ Special Markings

Unit Package Dimensions

Weight

Length Cubic Feet

Width Whole

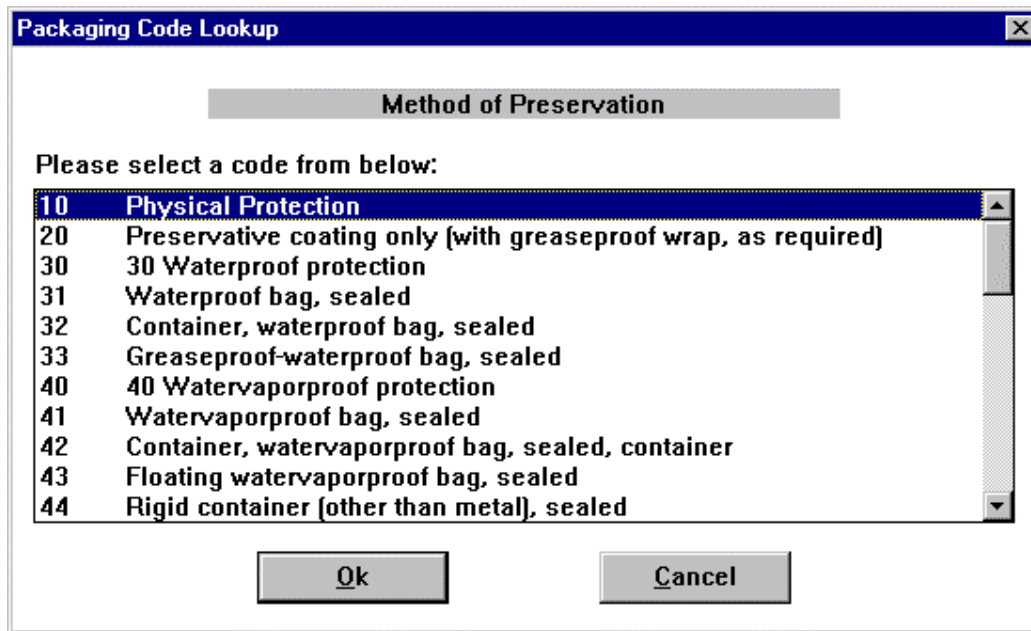
Depth 1000ths

^ Option

Edit Dialog with Dimension Calculations entered

As soon as you accept the packaging codes, PED does a quick check of them against the appropriate military standard.

Had you entered any incorrect codes into the dialog, PED would let you know, and offer to display a list of the acceptable codes for that requirement:



Packaging Code Lookup dialog

Supplemental Data Section

The supplemental data section is provided to allow the user to attach explanations of materials or methods, shipping information, or any other additional pertinent data. To this section, click on the **[Supplemental Data]** button located on the Edit Packaging Worksheet dialog, press **<Alt S>** or if the button is already selected, press the **<Spacebar>** or **<Enter>**. The dialog box shown below will appear (the actual data section would be blank).

Supplemental Packaging Data

Contract: **DLA900-98-B-2001** Line: **002**

Description: **Antenna Bracket**

Part: **4321-02-363-9165**

Supplemental Data

Parcel Post/Freight Address
W26RKBI 11th TRANS BN
PROP REC WHS BLDG 931
FT STORY, VA 23459

M/F:
(TCN) W55NVC22710100B XXX
RDD 10/09/00 PROJ TP01
SUP ADD W80X7U

SPECIAL INFORMATION:
NON-MILSTRIP
RDD 3177
PALLETIZATION METHOD NOT INDICATED

Sample of Supplemental Data

The supplemental data section can contain up to 65,000 characters of information. You can take full advantage of text created by other sources by copying it into the section using the Windows clipboard. Like other dialogs, the **<Enter>** key signals completion, therefore you must use **<Ctrl Enter>** to separate lines of text.

DD-2326 / Mil-1388 Option

Mil-Pac Technology offers DD-2326 form capability to be used with the PED software. (This is a separately purchased option.)

The DD-2326 is utilized when a contractor has been authorized to define their own packaging standards for a new item. The form is then submitted to the contracting officer for approval.

Contract/Reference Number	Line Item	Part A
DLA900-98-B-2001	Num: 002	Characteristics
Part Num: 4321-02-363-9165		Phys/Chem <input type="checkbox"/>
Noun: Antenna Bracket		WSF <input type="checkbox"/>
NSN: <input type="text"/>		Preserv <input type="checkbox"/>
Mfr CAGE: <input type="text"/>		QUP <input type="checkbox"/> QIP <input type="checkbox"/>
Configuration Item Specification Number <input type="text"/>		Wt <input type="text"/>
Drawing or Part Number (if no NSN) <input type="text"/>		Item Size (nnn.n)
		Length <input type="text"/>
		Width <input type="text"/>
		Depth <input type="text"/>
Part C: Supplementary Instruction Data <input type="text"/>		
Part D: Special Packaging Instructions		DD2326 Usage
SPI Number <input type="text"/>	Rev Date [yyddd] <input type="text"/>	<input type="checkbox"/> Part A - PI Code <input type="text"/>
	CAGE <input type="text"/>	<input checked="" type="checkbox"/> Part B - PI Code <input type="text"/>
Container NSN <input type="text"/>		<input type="checkbox"/> Part C <input type="text"/>
		<input type="checkbox"/> Part D <input type="text"/>
		<input type="button" value="Update"/>
<input type="button" value="Close"/>	<input type="button" value="Cancel"/>	<input type="button" value="Help"/>
		<input type="button" value="Print DD2326"/>

DD-2326 Dialog

Saving Packaging Data

After entering the packaging code and any appropriate supplemental data, it is time to save this data, along with the part description. This is done by simply exiting the Edit Packaging Worksheet dialog. Click on the **[OK]** button, press **<Alt O>** or press the **<Spacebar>** or **<Enter>** while the button is selected (enclosed with a faint dashed box). Press **[Ok]** when asked if you desire to save the new/changed data.

Viewing the Packaging Instructions

Once the packaging requirements code has been entered, PED will look up each of the packaging codes in the appropriate military standard, and extract the text associated with the code into the packaging breakdown, as shown below. Any instructions containing references to either Mil-P-116 or Mil-B-117 will be cross-referenced and placed into the breakdown in a similar fashion.

The screenshot shows a window titled "Packaging Worksheet" with a blue title bar. At the top, there is a table with three columns: "Contract", "Line Item", and "Part Number". The values are "DLA900-98-B-2001", "002", and "4321-02-363-9165" respectively. To the right of this table are buttons for "Close", "Supplemental Data", and "Print". Below the table, the text "Packaging Worksheet" is displayed. The main area of the dialog contains a text box with the following content:

Mil-Std 2073-1C Packaging Requirement:
N- - -ZZ-0-00-00-FH-D-B1-C-00- - - -0-U- - - - -

Hazardous Material: N Item is not regulated.

Quantity Per Unit Package:
Intermed. Container Qty:
Method of Preservation: ZZ See J.4.1.c

Clean and Dry: 0 No requirement.

Preservative Material: 00 No requirement.

Sample of a Partial Packaging Code Breakdown

The packaging instructions appear in the form of a worksheet, which is a preview of what would be printed (minus the full heading and supplemental data section). To review the data beyond what is immediately visible, use the scroll bars located on the right of, and below, the worksheet window. You may also **<Tab>** to the window and use the cursor keys to scroll around in it.

The data in a packaging code breakdown is plain text, which can be copied into the clipboard for use with any text-based application, such as your favorite Windows-based word processor. To do this, click at the place you wish to start copying, then depress and hold the left mouse button and drag the mouse cursor to the end of the text area. Pressing **<Ctrl Ins>** will copy the text into the clipboard. Subsequently switching to a different application, placing the cursor where you want the text to appear, then pressing **<Shift Ins>** will copy the text into that application. Refer to your Windows technical resources for more information on using the clipboard.

Viewing Supplemental Data from Packaging Worksheet

The supplemental packaging data can be displayed while viewing the Packaging Worksheet, without going back to the Edit Dialog. To bring up the Supplemental Data dialog, click on the **[Supplemental Data]** button. If supplemental data has been entered for the part, it will be brought up. If none has yet been entered, the button will appear dimmed, and will have no effect. To add new supplemental data, go to the Edit Packaging Worksheet dialog, by selecting **<Edit>** from the main menu bar.

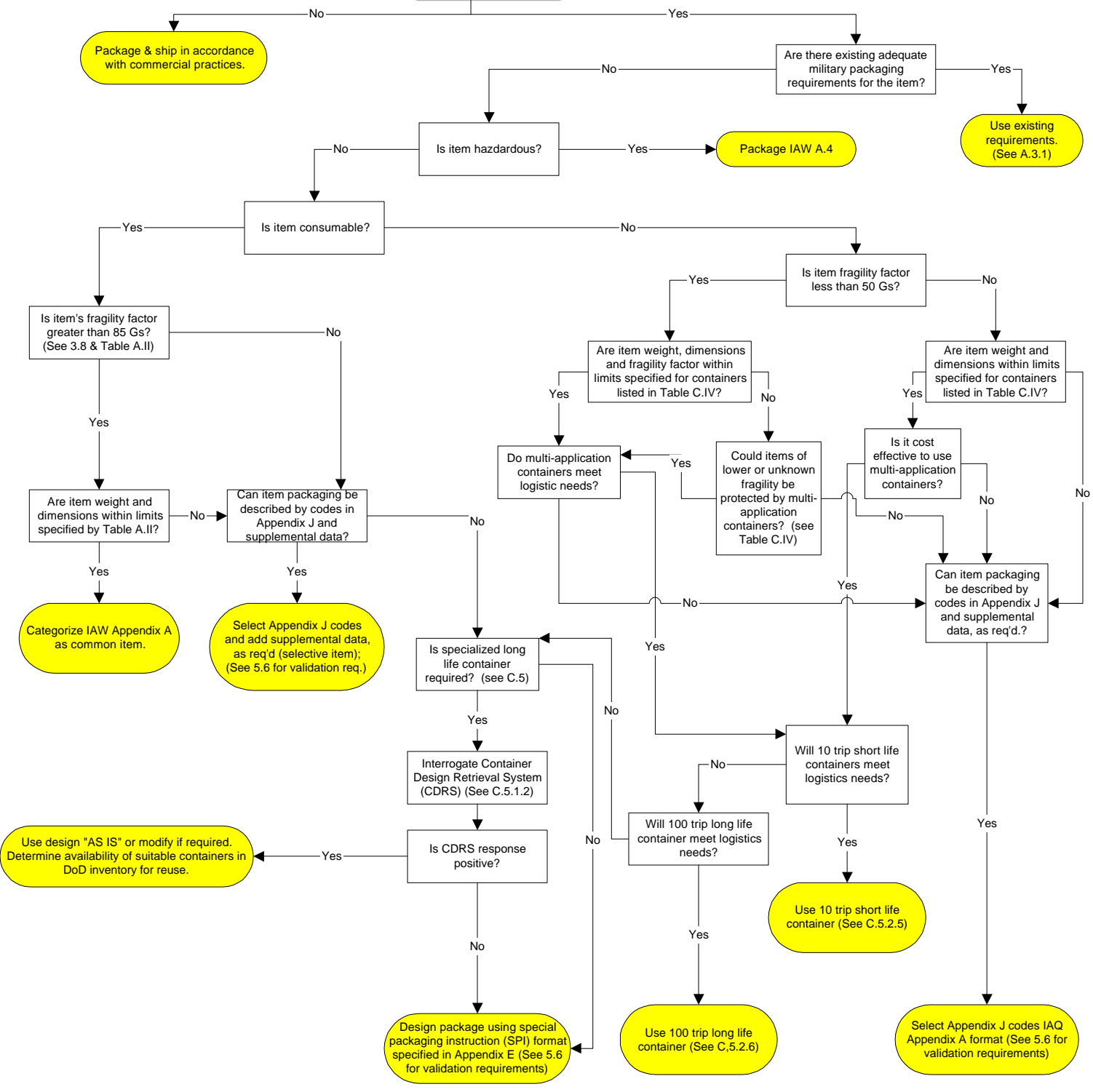
Printing the Packaging Instructions

The packaging worksheet for an item can be printed any time it is displayed on the screen. This occurs after creating a new one, or as the result of doing a Lookup of an existing part. To print, simply click on the main menu's **<Print>** button, or press **<Alt P>**. The standard Windows print dialog will appear. Note that the Copies and Collate Copies fields are ignored.

MIL-STD 2073 1-D Development Decision Chart

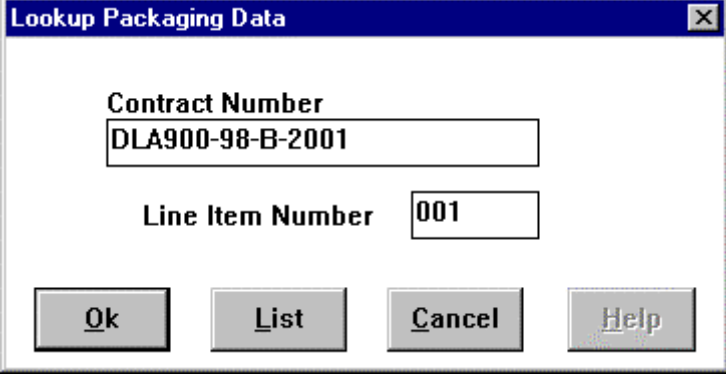
On the following page is a representation of the Military packaging requirements development decision chart as stated in the Mil-Std 2073 1-D guidelines:

*** Is item entering the military distribution system?**



Retrieving Packaging Data

The packaging data in the PED database is organized by contract and line item number. This is to allow the same part to be packaged differently for individual destinations and/or customers. When retrieving a part from the PED database, the contract and line item numbers serve as index keys.

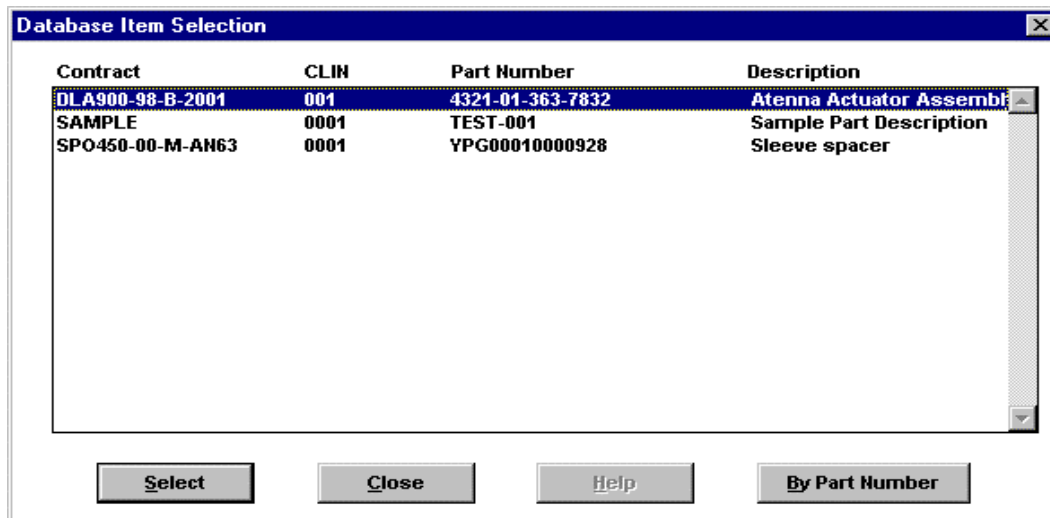


The image shows a dialog box titled "Lookup Packaging Data". It has a blue title bar with a close button (X) in the top right corner. The dialog contains two text input fields. The first field is labeled "Contract Number" and contains the text "DLA900-98-B-2001". The second field is labeled "Line Item Number" and contains the text "001". Below the input fields are four buttons: "Ok", "List", "Cancel", and "Help".

Part Retrieval (Lookup) Dialog.

Packaging worksheets previously stored in the PED database are accessed by selecting the main menu's **<Lookup>** command, either by clicking on it or by pressing **<Alt L>**. The Part Retrieval dialog shown above will appear. Simply fill in the contract number and CLIN under which the part was stored, then click on **[Ok]** or press **<Enter>** to recall the worksheet.

Another way to retrieve packaging worksheets is to list the parts database by clicking on the **List** button on the Lookup Packaging Data dialog. This will bring up a listing of the database sorted either by contract and line item numbers or by part number.



Database Item Selection dialog

The Database Item Selection dialog allows you to list the packaging worksheets and select one by double clicking on it or highlighting one and then clicking on the **[Select]** button. The illustration above shows the database listed by contract and line item number. By pressing on the **[By Part Number]** button, the list will be displayed sorted by part numbers. The text of the button will then change to By Line Item, which is pressed again to change the display back. The preferred method of display can be set on the Options dialog.

To reduce the number of items in a list, enter a contract number or partial contract number, followed by an asterisk:

Lookup Packaging Data

Contract Number
DLA900-98*

Line Item Number

Ok List Cancel Help

The listing will be limited to those starting with the contract number entered. The Line

Database Item Selection: DLA900-98-*

Contract	CLIN	Part Number	Description
DLA900-98-B-2001	001	4321-01-363-7832	Antenna Actuator Assembl
DLA900-98-B-2001	002	4321-02-363-9165	Antenna Bracket

Select Close Help By Part Number

Item Number field is ignored. This makes it easier to look at the items for a single contract.

Partial List of Database Items

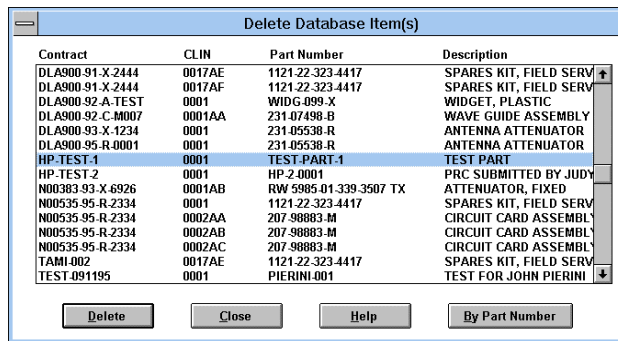
Copying Packaging Data

A part description, with its packaging code and supplemental data, may be copied in order to serve as the basis for a similar item. To do so, follow the previous instructions for retrieval of the part you wish to copy. Modifying either the contract number and/or the Line-

Item number will result in a new part description to be defined. To save the new part description, exit the Edit Worksheet dialog, and respond Yes when asked to save the changed data.

Deleting Items from the Parts Database

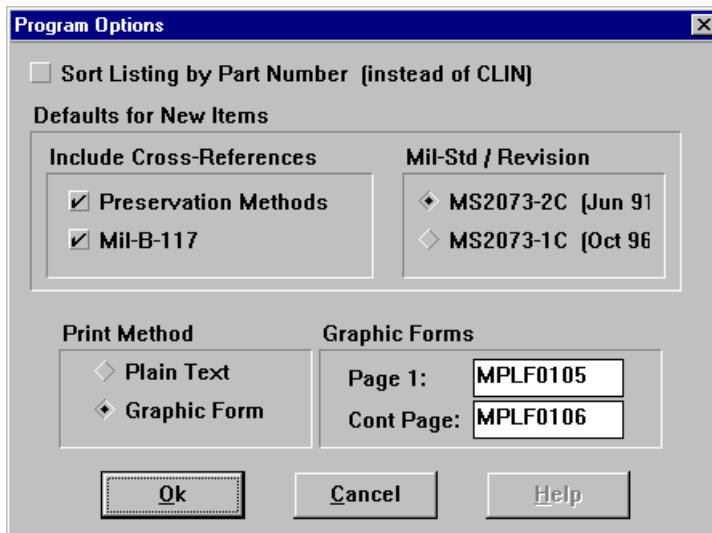
Items no longer needed in the parts database may be removed by using the Delete Database Item(s) dialog. This dialog operates exactly like the Parts Database Listing described before. To delete an item double-click on it, or click on the **[Delete]** button when the part is selected. The ordering of this listing can also be changed to Part Number precedence by clicking on the **[By Part Numbers]** button.



Delete Database Item(s) Dialog

Program Configuration

There are a number of options, which can be set by the user to determine the operating characteristics of the software. These are set on the Program Options dialog, which is accessed by selecting the **<Options>** command from the main menu bar.



Program Options Dialog.

- Defaults for New Items - determines the following settings for newly defined packaging worksheets. Note that these settings are only preferences, and can be freely modified on individual worksheets.
 - Include Cross-References - determines how much detail is presented in the breakdown.
 - Mil-Standard - determines which version of Mil-Standard 2073 is applied to the item.
- Sort Listing by Part Numbers - determines whether the Part Descriptions' database is sorted by Contract/Line-Item Number order or by Part Number order. Note that the listing can be switched back and forth at will.
- Print Method – the Plain Text option results in a simplified format. The Graphic Form is more formal. The additional settings for the Graphic Form are
 - Page 1 – Mil-Pac Form used for first page (default is MPLF0105).
 - Cont. Page –Form used for continuation pages (default is MPLF0106).

Interpreting Packaging Data

The following sections contain advice about using the data generated by PED and understanding how to use it with the contract specifications you are provided, which may at times seem ambiguous and/or incomplete. Mil-Pac Technology does not represent itself as an authority in military standard packaging, although we have gained some insights over the

years while providing the software for this purpose. When questions arise regarding military standard regulations, always check with your government or customer representative.

Packaging Code Responses

The packaging instructions will generally consist of one of four types of responses:

1. The instructions extracted from the Mil-Std, and any additional cross-referenced data.
2. The error message “WARNING: invalid code” meaning that the packaging code entered was not found in the standard. In this case, be sure that the code was entered into the appropriate requirement. Ensure that capital “O” was not substituted for a zero, and vice versa.
3. The response “No requirement.” or “Field does not apply”. These responses are defined within the standard to reflect the lack of any packaging requirement. They are generally the result if codes with all zero(es) in the field.
4. Blank fields, which indicate that no data was entered. Generally, it is not recommended to place zero(es) in a field unless the contract so states. A blank field implies that no requirement was provided, while zero(es) specifically state that the requirement does not apply.

Level A/B/C Packing Requirements

These three fields are often the source of much confusion for users of the PED. They are often confused with the Degree of Protection field, which refers to the packaging of the part and not the way the packaged part is then packed. The most common error occurs when the Degree of Protection is ‘C’ and no specific packing instructions are given. The most common error results from placement of a ‘C’ under Level C. The result is an instruction which describes the use of “load-bearing base skidded wood-cleated boxes”, which would be considered overkill for level C packing, especially when the parts are a couple of computer chips.

The appropriate data to place in this set of fields is usually stated in the following manner: “PACK CODE: U, PACK LEVEL: C”. To the PED user this means place a ‘U’ under the Level C Packing, and leave A and B blank. The result is the more consistent “Items or packages that require packing for acceptance by the carrier shall be packed in exterior type shipping containers in a manner that will ensure safe transportation...”

In some cases, especially when the packaging code is stated as a single string of digits, all three codes will be given for Level A, B and C packing. Somewhere further in the

body of the document, or in the description of the delivery instructions for the exhibit line item, an instruction will be given as to which one should be used for that particular item. In this case, either include only the appropriate one in your data, or use the supplemental data section to indicate which one is called out in the contract.

Often no specific packing level instructions are given, especially when level C packing is called for. In this case, leave all three entries blank, and summarize the contractual language concerning packing in the supplemental data section.

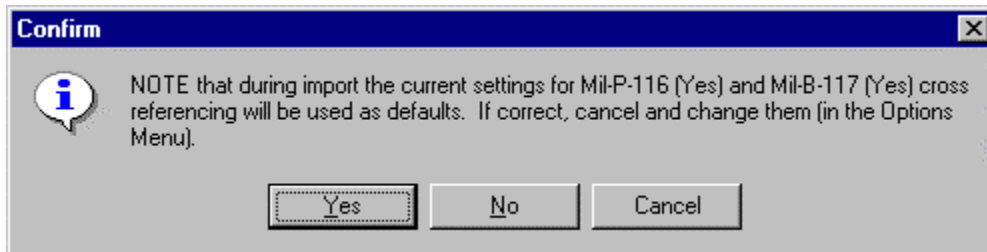
Upgrading From MSx-2073 (for DOS)

The PED provides a method for migrating packaging worksheets developed for Mil-Pac's MSx-2073 for DOS product to the PED database. To start the process select **<Import MSx Data>** from the **<File>** command on the menu bar. Click on the **[Yes]** button when presented the prompt below.



Import MSx Data Confirmation Message

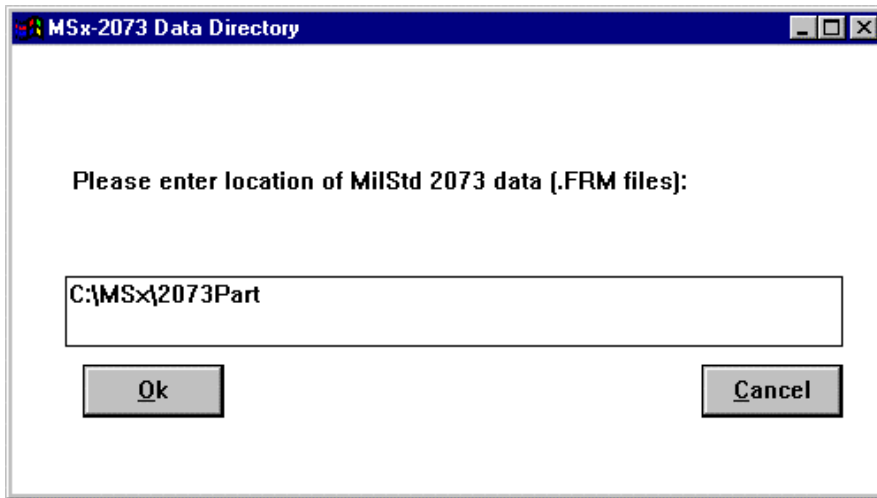
When importing you will also be reminded to check the settings for cross-referencing of the Mil-P-116 and Mil-B-117 standards. The prompt above will appear, with your current settings shown in parenthesis. While you can always change these settings on individual items later on, it might be a good idea to decide now how you would like the new data items to be set up.



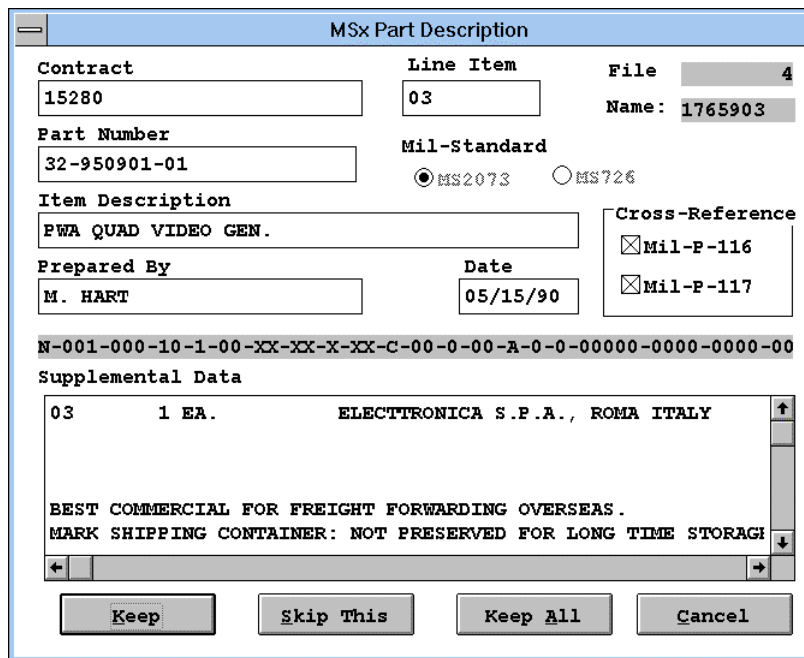
Import Settings Reminder

If the current settings for Mil-P-116 and Mil-B-117 cross-referencing shown in parenthesis are as desired for importing your MSx data, click on the **[Yes]** button to continue the process. Otherwise, click on **[Cancel]** and proceed to change them by selecting **<Options>** from the menu bar. Then start the import process again.

The following dialog will then open, asking you to confirm or change the location of the data files to be imported:



Once the import process finds any files at the location specified, you will see the following dialog, allowing you to review the data from the first one found. You can review each item, deciding to keep the item by clicking on **[Keep]**, or not by clicking on the **[Skip This]** button. Clicking on **[Keep All]** will import all of the remaining items automatically.



SUMMARY OF MIL-STD 2073

Special Markings

- 00: No special marking
- 01: Fragile
- 02: Arrow up
- 03: Method 50
- 04: Fragile, Arrow up and Method 50
- 05: Delicate instrument
- 06: Delicate instrument and Arrow up
- 07: Glass - do not drop
- 08: Keep dry
- 09: Perishable - Keep frozen
- 10: Keep at 40 degrees temperature
- 11: Sling point
- 12: Fragile, Method 50
- 13: Open this side
- 14: Center of balance
- 15: Use no hooks
- 16: Top
- 17: Reusable container
- 18: Remove top first
- 19: Method 50 reusable container
- 20: Do not bend
- 21: Do not sling
- 23: Perishable biological, do not freeze
- 24: Open for inspection or use only
- 25: Box ___ of ___
- 26: Load bearing area
- 28: Do not drop or throw
- 29: Do not hump
- 30: Top heavy
- 31: Center of gravity
- 32: Type I, shelf life
- 33: Type II, shelf life
- 34: Manufacturer's part number
- 36: Fragile, arrow up, and glass
- 37: Fragile, arrow up
- 39: ESD Sensitive electronic device requirements of MI...
- 40: Omission of marking for sensitive, controlled or p...
- 51: Marking shall be accomplished in accordance with t...
- 52: Hardness critical
- 60: Asbestos Warning Label
- ZZ: Special requirements

Hazardous Material

- D: Item is regulated by Title 49, CFR or AFR 71-4/DLA...
- N: Item is not regulated.

Quantity Per Unit Package

- BLK: Bulk
- 001-
- 999: In the clear
- YYY: Packager's option... **<DELETED with version 2073-1D>**
- ZZZ: Special requirements - refer to supple- mental dat...

Intermediate Container Qty

- AAA: See Appendix B, section 5.
- XXX: See Method of Preservation
- YYY: Packager's option... **<DELETED with version 2073-1D>**
- ZZZ: Special requirement - see specific drawing or ins...

Method of Preservation

- 10: Physical Protection
- 20: Preservative coating only (with greaseproof wrap,...
- 30: 30 Waterproof protection
- 31: Waterproof bag, sealed
- 32: Container, waterproof bag, sealed
- 33: Greaseproof-waterproof bag, sealed
- 40: 40 Watervaporproof protection
- 41: Watervaporproof bag, sealed
- 42: Container, watervaporproof bag, sealed, container
- 43: Floating watervaporproof bag, sealed

44: Rigid container (other than metal), sealed

45: Rigid metal container, sealed

50: 50 Watervaporproof protection with desiccant

51: Watervaporproof bag, sealed

52: Container, watervaporproof bag, sealed, container

53: Floating watervaporproof bag, sealed

54: Rigid container (other than metal), sealed

55: Rigid metal container, sealed

AA: Preservation and unit packing identical to commerc...

AE: Seal or plug all openings with approved noncorrosi...

AH: Preserve Method 20 as follows: Fog spray or flush...

AU: Preservative compounds shall not be applied to win...

AW: Preserve in accordance with any of the following...

BC: Preserve by Method 20 as follows: Coat all pieces...

BD: Remove parts made of rubber, fiber, and/or nonmeta...

BL: Plug or seal all openings and preserve Method 20.

DB: Preserve by Method 10 modified as follows: Preserv...

DC: Preserve by Method 20 modified as follows: Preserv...

DR: Preserve Method 30 as follows: Each unit shall hav...

DW: Preserve Method 52 as follows: Item shall be clean...

EK: Preserve Method 10 as follows: Each bolt shall hav...

GS: Preserve by Method 33 (modified) in a transparent...

GX: Preserve by Method 41 as follows: Items subject to...

HM: Packaging and marking for hazardous materials sha...

JF: Preserve Method 10 - Items shall be preserved in a...

JM: Preserve Method 10 as follows: Unit container shal...

KD: Preserve Method 31. Apply VV-L-800 preservative...

KF: Clean each item in accordance with any applicable...

KG: Each fully buttoned shirt shall be neatly folded,...

KH: Each pair of shoes or boots shall be individually...

ZZ: See J.4.1.d

Clean and Dry

0: No requirement.

1: Any suitable process that is not injurious to the...

X: See Method of Preservation Code for this requireme...

Y: Packager's option... **<DELETED with version 2073-1D>**

Z: Special requirements - See specific instructions o...

Preservative Material

00: No requirement.

01: MIL-PRF-16173, Grade 1 corrosion preventive, solve...

02: MIL-PRF-16173, Grade 2 corrosion preventive, solve...

03: MIL-PRF-16173, Grade 3 corrosion preventive, solve...

06: MIL-C-11796, Class 3 light preservative compound,...

07: MIL-L-3150, medium preservative oil, cold applicat...

09: VV-L-800, very light preservative oil, water displ...

10: MIL-L-21260, preservative and break-in lubricating...

11: MIL-G-23827, grease, aircraft and instrument, gear...

12: MIL-G-81322, grease, aircraft, general purpose.

13: MIL-G-10924, grease, automotive and artillery.

15: MIL-H-46170, hydraulic fluid, synthetic rust inhi...

17: MIL-L-6085, lubricating oil instrument, aircraft,...

19: MIL-PRF-16173, Grade 4, corrosion preventive, solv...

20: MIL-P-46002, preservative oil, contact and volatil...

21: MIL-PRF-16173, Grade 5, corrosion preventive, sol...

26: MIL-C-83933, corrosion preventive cold application...

27: MIL-C-16555, Type I, sprayable strippable coating,...

28: MIL-C-16555, Type II, Class 1, sprayable strippabl...

29: MIL-C-16555, Type II, Class 2, sprayable strippabl...

30: MIL-L-46010, corrosion inhibiting lubricant, solid...

31: MIL-C-6529, Type II, corrosion preventive, ready...

32: MIL-C-6529, Type III, corrosion preventive, ready...

33: MIL-L-7808, lubricating oil, synthetic base, for...

38: MIL-P-149, strippable plastic coating (hot dipping...

43: MIL-G-25537, grease, helicopter oscillating beari...

49: Vendor's protective grease or oil coating.

50: MIL-L-7870, lubricating oil, low temperature.

51: MIL-L-6081, lubricating oil, jet engine, Grade 101...

52: MIL-C-8188, corrosion preventive oil, synthetic ba...

53: SAE-J1966, lubricating oil, aircraft piston engine...

56: MIL-L-23699, lubricating oil, synthetic base, for...

57: MIL-L-21260, Grade 10, light viscosity preservati...

58: MIL-L-21260, Grade 2, medium viscosity preservativ...

59: MIL-L-21260, Grade 3, heavy viscosity preservative...

65: MIL-H-83282, hydraulic fluid, synthetic fire retar...

79: MIL-B-46176, brake fluid, silicone, automotive, op...

80: MIL-P-53030, primer coating, epoxy, water reducibl...

89: Preserve with normal operating lubricant.

XX: See Method of Preservation Code for this requireme...

YY: Packager's option... **<DELETED with version 2073-1D>**

ZZ: Special requirement - See specific instructions or...

Wrapping Material

00: No requirement

BA: QQ-A-1876, Aluminum Foil

CA: UU-P-268, kraft wrapping paper

DA: A-A-1249, paper, tissue.

EA: MIL-P-17667, neutral wrapping paper

EB: MIL-P-17667, Type I, neutral wrapping paper, flat

EC: MIL-P-17667, Type II, neutral wrapping paper, crep...

FA: MIL-P-130, laminated and creped wrapping paper

GB: MIL-B-121, Grade A, greaseproof, waterproof barrie...

GC: MIL-B-121, Grade A, Type I, heavy duty, greaseproo...

GH: MIL-B-121, Grade A, Type II, medium duty, greasep...

JA: L-P-378, plastic sheet & strip, polyolefin, 2 mil. ...

JL: MIL-B-22019, transparent volatile corrosion inhibit...

JV: MIL-B-22191, Type III, transparent waterproof barr...

K3: MIL-B-81705, Type II transparent electrostatic pro...

LA: A-A-50177, lens paper

MB: MIL-P-3420, volatile corrosion inhibitor treated m...

N9: MIL-B-81705, Type III, transparent, electrostatic...

XX: See Method of Preservation Code for this requireme...

YY: Packager's option... **<DELETED with version 2073-1D>**

ZZ: Special requirements - See specific instructions...

Cushioning & Dunnage

00: No requirement.

AD: Cushion, anchor, block or brace in accordance with...

BG: A-A-1898, Grade II - water resistant cellulosic cu...

BN: PPP-C-850, polystyrene cushioning
 DA: A-A-1051, paperboard cushioning
 DH: MIL-R-20092, latex foam rubber
 FA: PPP-C-1120, Class A, water resistant bound fiber
 FE: PPP-C-1120, Class A, Type II medium soft density,...
 FH: PPP-C-1120, Class A, Type III medium firm density,...
 FL: PPP-C-1120, Class A, Type IV firm density, water r...
 GA: PPP-C-1752, polyethylene foam cushioning
 GC: MIL-P-19644, expanded polystyrene foam.
 GD: MIL-PRF-26514, Type I, Class 1, rigid polyurethane...
 GE: MIL-PRF-26514, Type I, Class 2, Grade A, flexible...
 GF: MIL-PRF-26514, Type I, Class 2, Grade B, flexible...
 GH: MIL-PRF-26514, Type I, Class 2, Grade C, flexible...
 GT: PPP-C-1797, polypropylene foam cushioning
 HA: A-A-1507, chipboard sheet used as a stiffener on o...
 HB: A-A-1507, chipboard sheet used as a stiffener on b...
 HD: A-A-1507, chipboard sheet used as pads, cells, die...
 JA: Domestic fiberboard meeting the require- ments, of...
 JB: Domestic fiberboard meeting the require- ments of...
 JC: Domestic fiberboard meeting the require- ments of...
 LC: PPP-C-795, Class 1, cellular plastic film cushion...
 LE: MIL-PRF-26514, Type I, Class 2, flexible polyureth...
 LF: MIL-C-3955, spirally wound composite can (material...
 LK: Wood blocking and bracing and/or steel strapping,...
 LN: Plastic containers (vials, boxes, etc.) shall be c...
 LP: A-A-55057, plywood, padded as required
 LT: PPP-C-795, Class 2, antistatic, cellular, plastic...
 MA: MIL-F-83671, Class 2, flexible foam-in -place poly...

MB: MIL-F-83671, Class 1, rigid foam-in -place polyure...
 NA: PPP-C-795, cellular plastic film cushioning; or PP ...
 NB: PPP-C-1842, Type III, Style A or B, anti-static...
 NG: PPP-C-1842, open cell plastic cushioning
 NS: Weather resistant fiberboard meeting the requireme...
 P4: MIL-P-81997, cushioned pouch,electrostatic protect...
 XX: See Method of Preservation Code for this requireme...
 YY: Packager's option... **<DELETED with version 2073-1D>**
 ZZ: Special requirements - See specific instructions...

Cushioning Thickness

O:	Not applicable
A:	1/4 inch thick.
B:	1/2 inch thick.
C:	3/4 inch thick.
D:	1 inch thick.
E:	1-1/4 inches thick.
F:	1-1/2 inches thick.
G:	1-3/4 inches thick.
H:	2 inches thick.
J:	2-1/4 inches thick.
K:	2-1/2 inches thick.
L:	2-3/4 inches thick.
M:	3 inches thick.
N:	3-1/4 inches thick.
P:	3-1/2 inches thick.
Q:	3-3/4 inches thick.
R:	4 inches thick.
S:	4-1/4 inches thick.
T:	4-1/2 inches thick.
U:	4-3/4 inches thick.
V:	5 inches thick.
W:	5-1/4 inches thick.
X:	As required to protect the item or elements of the ...
Y:	Packager's option... <DELETED with version 2073-1D>
Z:	Special requirements- See specific instructions or ...

Unit Container

00:	No requirement.
10:	Any suitable container included in this table may ...
A1:	Bags made of material conforming to MIL-P-130, MIL ...
A2:	Any bag or sack used by the vendor
AA:	A-A-2714, mailing bags, cloth.
AC:	A-A-160 or A-A-1588, sacks, shipping, paper(cushio ...
AH:	A-A-881, bags, textile, shipping.
AN:	A-A-550, bags, paper, grocers.
B1:	MIL-B-117, Type I, Class B, Style 3, heavy duty, w ...
B2:	MIL-B-117, Type I, Class C, Style 3, heavy duty, w ...

B3:	MIL-B-117, Type I, Class E, Style 3, heavy duty, w ...
B4:	MIL-B-117, Type II, Class E, Style 3, medium duty, ...
B8:	MIL-B-117, Type I, Class A, Style 2, heavy duty, w ...
B9:	MIL-B-117, Type I, Class F, Style 1, heavy duty, w ...
BD:	MIL-B-117, bag
BE:	MIL-B-117, Type I, Class C, Style 1, heavy duty, w ...
BL:	MIL-B-117, Type I, Class B, Style 2, heavy duty, w ...
BS:	MIL-B-117, Type I, Class E, Style 1, heavy duty, w ...
BT:	MIL-B-22020, bag, transparent, heat sealable, VCI ...
BV:	MIL-B-117, Type II, Class C, Style 1, medium duty, ...
BW:	MIL-B-117, Type II, Class E, Style 1, medium duty, ...
CG:	PPP-D-723, Type I, domestic type fiber drum
CH:	PPP-D-723, Type II, normal overseas type fiber dru ...
D1:	PPP-B-566 or PPP-B-676, folding or setup box
D2:	PPP-B-566, PPP-B-665 or PPP-B-676, folding, metal- ...
D3:	PPP-B-566, PPP-B-665, PPP-B-676 or ASTM-D5118, fol ...
D4:	Vendor's setup or folding box
DA:	PPP-B-566, folding, paperboard box.
DB:	MIL-B-43666, Type III, box, consolidation
DE:	PPP-B-676 setup box
DJ:	PPP-B-665, metal-edged paperboard box.
DO:	Any suitable fiber box included in this table may ...
DP:	ASTM-D5168 box, triple wall fiberboard
DQ:	ASTM-D5168, Class 1, non-weather resistant triple ...
DR:	ASTM-D5168, Class 2, weather resistant triple wall ...
E5:	ASTM-D5118, fiberboard box
E6:	Vendor's fiberboard box.
E7:	ASTM-D5118, Type CF, Class domestic, single wall, ...
E8:	ASTM-D5118, Type CF, Class domestic, double wall, ...

E9:	ASTM-D5118, Class weather resistant fiberboard box ...	GC:	MIL-P-46161, plastic molding material, thermoplast ...
EC:	ASTM-D5118, Type CF, Class domestic. corrugated, f ...	HA:	PPP-C-96, metal can
ED:	ASTM-D5118, Type CF, Class weather resistant, corr ...	JC:	MIL-C-3955, spirally wound composite can
EE:	ASTM-D5118, Type CF, Class weather resistant, sing ...	K1:	MIL-D-6054 or MIL-D-6055, metal reusable drum or M ...
EN:	ASTM-D5118, Type SF, Class domestic, solid fiberbo ...	KA:	MIL-C-4150, carrying case, cushioned within a Clas ...
EP:	ASTM-D5118, Type SF, Class weather resistant, soli ...	KE:	MIL-D-6054, reusable metal drum
EZ:	PPP-B-601, cleated plywood box, domestic or overse ...	KF:	MIL-D-6055, reusable metal drum (capacity from 88 ...
F2:	PPP-B-601, overseas cleated plywood box or PPP-B-62 ...	M1:	MIL-C-9897, slotted angle crate, steel or aluminum ...
F3:	PPP-B-601, domestic cleated plywood box, or PPP-B- ...	MA:	MIL-C-104, wood crate, lumber and plywood sheathed ...
F5:	Vendor's wood box.	MB:	MIL-C-104, Type I, Class 1, nailed wood crate, lum ...
F6:	PPP-B-601, Style I or J, cleated plywood box, surf ...	MC:	MIL-C-104, Type II, Class 1, bolted wood crate, lu ...
F7:	PPP-B-601 or PPP-B-621, overseas or domestic type, ...	MF:	MIL-C-104, Type I, Class 2, nailed wood crate, ply ...
F9:	Shallow box, constructed of plywood and wood as fo ...	MG:	MIL-C-104, Type II, Class 2, bolted wood crate, pl ...
FA:	PPP-B-621, nailed wood box	MH:	MIL-C-104, Type II, Class 1 or 2, bolted wood crat ...
FB:	PPP-B-621, Class 1, domestic. nailed wood box	MJ:	MIL-C-3774, open wood crate
FC:	PPP-B-621, Class 2, overseas. nailed wood box	MO:	Any suitable wood crate, included in this table ma ...
FD:	PPP-B-601, cleated plywood box	MV:	MIL-C-52950, open or covered wood crate
FF:	PPP-B-601, overseas type, cleated plywood box	MX:	MIL-C-52950, Style B, open or covered wood crate, ...
FG:	PPP-B-601, domestic type, cleated plywood box	MY:	NAVICP Drawing No. 15024, for shipping and storag ...
FJ:	PPP-B-601, cleated plywood box, domestic or overse ...	NO:	ASTM-D5118, Type CF, Class weather resistant, doub ...
FK:	PPP-B-576, wood-cleated panelboard box	NR:	PPP-B-1672, Type I, vertical star cushioning in re ...
FL:	PPP-B-576, Class 1, domestic wood-cleated panelboa ...	NS:	PPP-B-1672, Type II, folding convoluted cushioning ...
FM:	PPP-B-576, Class 2, weather resistant, wood-cleate ...	NV:	PPP-B-1672, Type III, telescoping encapsulated cus ...
FO:	Any suitable wood box included in this table may b ...	NW:	PPP-B-1672, Type IV, horizontal star packs cushion ...
FU:	MIL-B-26195, wood-cleated skidded box, load bearin ...	NY:	NAVICP Drawing No. P069, molded reusable containe ...
FV:	MIL-B-26195, Type I, domestic wood-cleated skidded ...	NZ:	NAVICP Drawing No. 13414, modular reusable contain ...
FW:	MIL-B-26195, Type II, overseas - wood-cleated skid ...	PK:	PPP-B-601, overseas type, cleated plywood box; PP ...
GB:	MIL-B-26195, Type I or II, Style A or B, Class 1 o ...	RC:	NAVICP Drawing No. 15450, modular reusable contain ...

RD: PPP-B-585, Class 2, wirebound wood box
 RE: PPP-B-585, Class 3, wirebound wood box
 RF: PPP-B-26, bag, plastic
 RG: PPP-D-729, drum, steel, 55 gal
 RH: MIL-B-2427, ammunition box, nailed wood
 RJ: MIL-B-46506, ammunition box, wirebound wood
 RK: MIL-PRF-11264, reusable wood containers, heavy dut ...
 SD: MIL-B-117, Type I, Class C, Style 2, heavy duty, w ...
 SE: MIL-B-117, Type I, Class E, Style 2, heavy duty, w ...
 SF: MIL-B-117, Type III, Class E, Style 1, light duty, ...
 WD: Plastic containers constructed of rigid transparen ...
 WM: PPP-T-495, mailing tube
 WY: Warner-Robins Air Logistics Center Drawing Nos. 11 ...
 XX: See method of preservation code for this requirem...
 YY: Packager's option... **<DELETED with version 2073-1D>**
 ZZ: Special requirement - See specific instructions or...

Degree of Protection

0: No requirement
 A: Level A
 B: Level B
 C: Level C

Unit Container Level

A: Unit container provides level A packing protection ...
 B: Unit container provides level B packing protection ...
 D: No container is required.
 M: Unit container provides minimal packing protection ...
 O: Unit container is not an acceptable shipping conta...
 Z: Unit container requires special consideration (air ...

Special Markings

00: No special marking
 01: Fragile
 02: Arrow up
 03: Method 50
 04: Fragile, Arrow up and Method 50
 05: Delicate instrument
 06: Delicate instrument and Arrow up
 07: Glass - do not drop
 08: Keep dry
 09: Perishable - Keep frozen
 10: Keep at 40 degrees temperature
 11: Sling point
 12: Fragile, Method 50
 13: Open this side
 14: Center of balance
 15: Use no hooks
 16: Top
 17: Reusable container
 18: Remove top first
 19: Method 50 reusable container
 20: Do not bend
 21: Do not sling
 23: Perishable biological, do not freeze
 24: Open for inspection or use only
 25: Box ___ of ___
 26: Load bearing area
 28: Do not drop or throw
 29: Do not hump
 30: Top heavy
 31: Center of gravity
 32: Type I, shelf life
 33: Type II, shelf life
 34: Manufacturer's part number
 36: Fragile, arrow up, and glass
 37: Fragile, arrow up
 39: ESD Sensitive electronic device requirements of MI ...
 40: Omission of marking for sensitive, controlled or...
 51: Marking shall be accomplished in accordance with...
 52: Hardness critical
 60: Asbestos Warning Label
 ZZ: Special requirements

Level A/B Packing

- 0: Packing not authorized.
- 2: Packing shall be accomplished using cleated-plywoo ...
- 4: See method of preservation.
- 5: Packing shall be accomplished using cleated-plywoo ...
- 7: Packing shall be accomplished using cleated-plywoo ...
- A: Packing shall be accomplished using fiberboard box...
- B: Packing shall be accomplished using panelboard woo...
- C: Packing shall be accomplished using cleated-plywoo...
- D: Packing shall be accomplished using open wood crat...
- E: Packing shall be accomplished to meet the perform...
- F: Packing is not required; the unit container shall...
- H: Packing shall be accomplished using boxes fabricat...
- M: Packing shall be accomplished using wood cleated p...
- N: Packing shall be accomplished using cleated plywoo...
- P: Packing shall be accomplished using open wood crat...
- Q: Packing shall be accomplished in accordance with T...
- R: Packing shall be accomplished to meet the performa...
- T: Packing shall be accomplished by use of fiberboard...
- Z: Special requirement - See specific instructions or...

Level C Packing

- 6: Packing shall be accomplished to meet the performa...
- L: Packing shall be accomplished using fiberboard box...
- U: Items or packages that require packing for accepta...
- Y: Packager's option... **<DELETED with version 2073-1D>**

Optional Procedure

- A: Packaging is in accordance with a procedural spec...
- E: Certain options can be exercised as to specific me...
- F: For other than SPI items, optional use of flexible...
- M: All packaging data is mandatory for compliance an...
- O: Options can be exercised as to specific method of...
- P: For SPI items, polyurethane foam-in-place is perm...
- R: For other than SPI items, optional use of rigid po...

Preservation Method Changes from 2073-2C

- 10: Method 10 (Formerly Method III)- Physical protec...
- 20: Method 20 - (Formerly Method I) Preservative coa...
- 30: Method 30 (formerly Method IC)- Waterproof or wa...
- 31: Method 31 (formerly Submethod IC-3) - Waterproof...
- 32: Method 32 (formerly Submethod IC-2) - Container,...
- 33: Method 33 (formerly Submethod IC-1)- Greaseproof...
- 40: Method 40 (formerly Method IA) - Watervaporproof...
- 41: Method 41 (formerly Submethod IA-8)- Watervaporp...
- 42: Method 42 (formerly Submethod IA-14) - Containe...
- 43: Method 43 (formerly Submethod IA-16) - Floating ...
- 44: Method 44 (formerly Submethod IA-13) - Rigid co...
- 45: Method 45 (formerly IA-5) - Rigid metal containe...
- 50: Method 50 (formerly Method II)- Watervaporproof...
- 51: Method 51 (formerly Submethod IIc) - Watervaporp...

- 52: Method 52 (formerly Submethod IIb) -
Container,...
- 53: Method 53 (formerly Submethod IIa) -
Floating wa...
- 54: Method 54 (formerly Submethod IIc) -
Rigid conta...
- 55: Method 55 (formerly Submethod IId) -
Rigid metal.

