

**1 of 4**

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# **Stockpile Dismantlement Database Training Materials**

Sandia National Laboratories  
Albuquerque, NM 87185

**MASTER**

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## Introduction

The Stockpile Dismantlement Database (SDDDB) Training Materials are designed to familiarize the user with the SDDDB windowing system and the data entry steps for Component Characterization for Disposition. The foundation of information required for every part is depicted by using numbered graphic and text steps. The individual entering data is lead step by step through generic and specific examples. These training materials are intended to be supplements to individual on-the-job training.

## Internal QA/QC Data Validation\*

Flag	Description	Who is Responsible
N	Not Started, Assignments Set	SDDDB Coordinator
S	Started Data Entry (at least one item)	Data Entry Person (DEP)
P	Partially Complete (DEP, when done)	DEP
R	Reviewed – all required fields complete	QA Person
C	Complete – content of all fields	Process Knowledge Expert/QA Person

## External QA/QC Data Validation\*

** Y	Yes – verification of data	Authorized Verifier
Null	No flag –not verified	Authorized Verifier

\*QA/QC Data Plan Template in draft will include this.

\*\*Y locks the data against further modifications. It can be set back to Null by an authorized verifier or the database administrator. The Y flag indicates that the data are fully usable and auditable.

## Log-in Procedure and File Arrangement

Set up database files in the sequence and arrangement shown below.

At prompt log in: (your user ID) \_\_\_\_\_

Password: (your password) \_\_\_\_\_  
(Console Log and Main Menu will be shown)

When this sentence appears: use setdb command

Type: setdb disman

### Starting up the Application

Activate Main Port window. Type sddb (lower case). This command fetches programs for the Stockpile Dismantlement Database (SDDB).

Refer to the window arrangement on page 2 of the Procedures for Characterization/Data Entry of Simple Parts section to view results of this sequence.

Wait for the **SDDB Main Menu** window to appear. Press and hold down the left mouse button on the top bar of the window to move it to the lower left side of the screen.

### Parts Selection List

Select Parts then Parts from the **SDDB Main Menu**. These selections display the **Parts Selection List** window. Move this window to the lower right side of the screen.

Required step—search for part number. \_\_\_\_\_

Search for the part by selecting Part Number Like/Part Number Like. Enter a number in the text box that appears.

Select Go or press the Return key.

### Part/Part Groups Assignment

Select Part Groups then Part/Part Groups Assignment from the **SDDB Main Menu**. These selections display the **Part/Part Groups Assignment** window. Move this window to the upper left side of the screen.

### Part/Hazards Assignment

Select Hazards then Part/Hazards from the **SDDB Main Menu**. These selections display the **Part/Hazards Assignment** window. Stack this window to the right and below the previous window.

### Part/Constituents Assignment

Select Constituents then Part/Constituents from the **SDDB Main Menu**. These selections display the **Part/Constituents Assignment** window. Stack this window to the right and below the previous window.

## **Part Demilitarization Instructions**

Select Parts then Part Demilitarization Instructions from the **SDDB Main Menu**. These selections display the **Part Demilitarization Instructions** window. Stack this window to the right and below the previous window.

## **Part Sanitization Instructions**

Select Parts then Part Sanitization Instructions from the **SDDB Main Menu**. These selections display the **Part Sanitization Instructions** window. Stack this window to the right and below the previous window.

## **Part Disposition Descriptions**

Select Parts then Part Disposition Descriptions from the **SDDB Main Menu**. These selections display the **Part Disposition Descriptions** window. Stack this window to the right and below the previous window.

## **Documents Selection List**

Select Documents then Documents from the **SDDB Main Menu**. These selections display the **Documents Selection List** window. Stack this window to the right and below the previous window.

## **Part/Documents Assignment**

Select Documents then Part/Documents from the **SDDB Main Menu**. These selections display the **Part/Documents Assignment** window. Stack this window to the right and below the previous window.

## **Part Comments**

Select Parts then Part Comments from the **SDDB Main Menu**. These selections display the **Part Comments** window. Stack this window to the right and below the previous window.

## **Part Disassembly Procedures**

Select Parts then Disassembly Procedures from the **SDDB Main Menu**. These selections display the **Part Disassembly Procedures** window. Stack this window to the right and below the previous window.

For Complex Parts:

Add Disposition Tree section.

Select Disposition then Disposition Tree from the **SDDB Main Menu**. These selections display the **Disposition Tree** window. Stack this window to the right and below the previous window.

## Part (Edit)

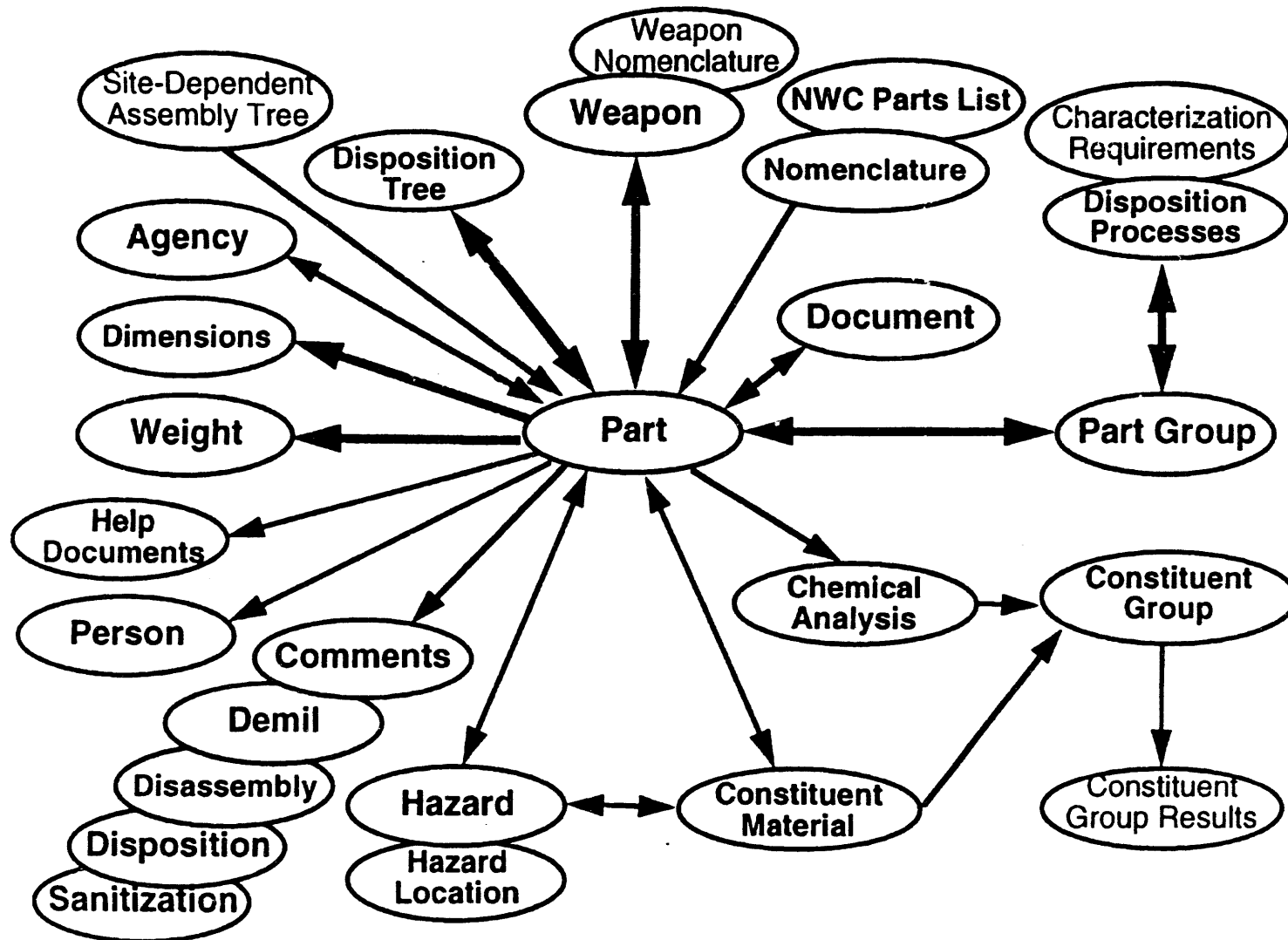
Activate the Parts window by clicking on the top bar of the window in the lower right side of the screen. Select File/Edit at the upper left side of the window. These selections display the **Part (Edit)** window. Move this window to the left side of the screen above the **SDDB Main Menu**.

NOTE: To lock the screen, press the right mouse button in the blue screen area and select Lockscreen from the menu. To unlock the screen, press any key and enter your name and password in lower case letters. Do not use capital letters with unlocking commands.

NOTE: To exit the database, select File/Close from the **SDDB Main Menu**. This selection closes all windows. To log out, press the right mouse button in the blue screen area and select exit. Click OK. Do not turn the terminal off.

In Revision 2.2 of the database, a window arrangement may be saved and retrieved by using Frame Layout in the **SDDB Main Menu**.

# Stockpile Dismantlement Database



## Procedures for Characterization/Data Entry of Simple Parts

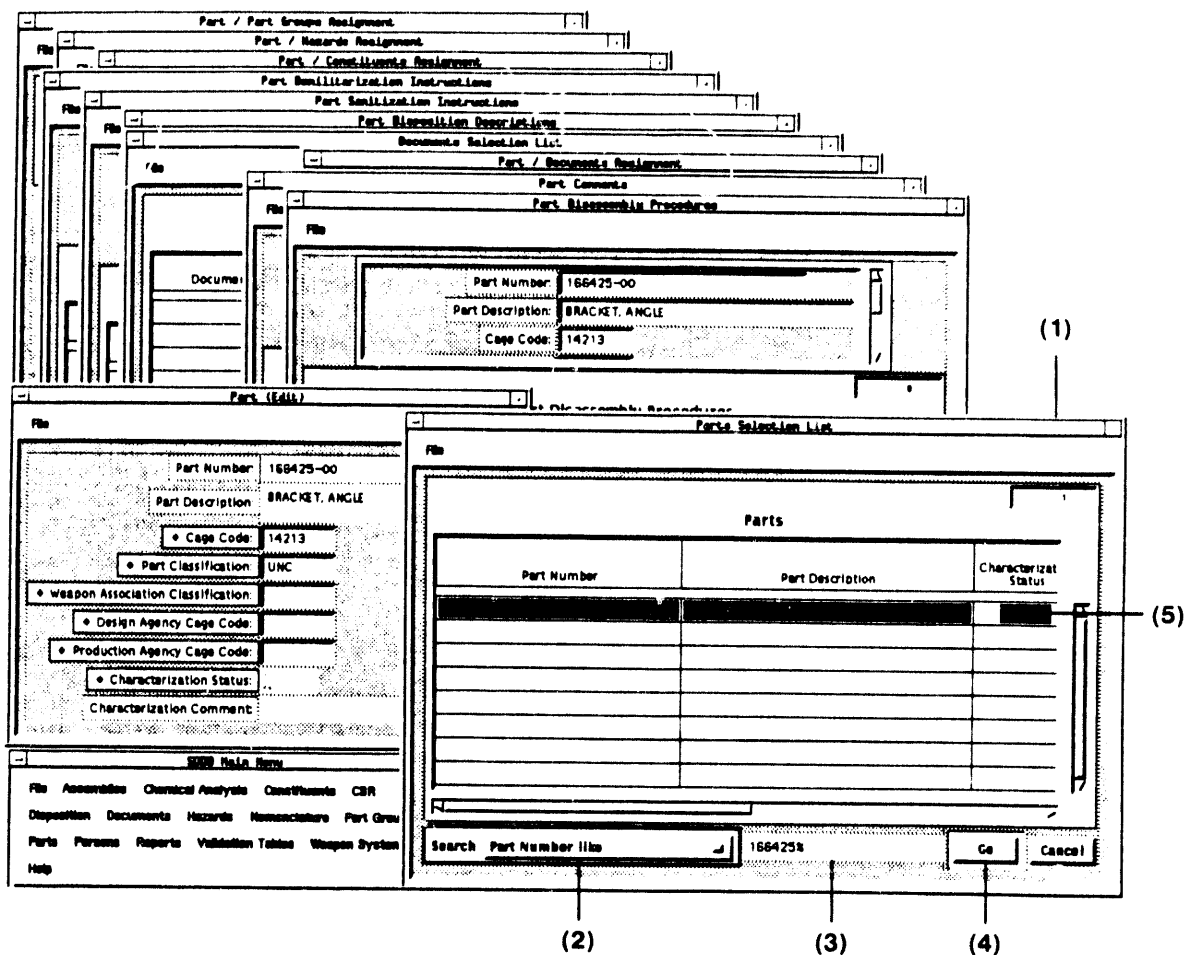
Research, prepare, and organize the documentation package before beginning characterization and data entry of a part.

**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

Refer to the Log-in Procedure in the General Section to log in, and to set up the window arrangement from the **SDDB Main Menu**.

**NOTE:** The top bar of the active window is a different color or shade from the inactive windows.





## Parts Selection List

- Activate the **Parts Selection List** window by clicking on the top bar of the window, located at the lower right side of the screen. (1)
- Select Part Number Like/Part Number Like at the bottom of the window to display a text box. (2)
- Type the part number to be characterized as it appears in the documentation. (3)
- Press the Return key or click the Go button in the window. A parts list is displayed. (4)
- Highlight the appropriate row for the suffix to be characterized from the listing in the **Parts Selection List** window. (5)

(8) (9)

The screenshot displays the SDDB software interface. The 'Type Codes Selection List' window is open, showing a table of type codes. The 'Part (Edit)' window is also open, showing details for a part with the number 166425-00 and description BRACKET, ANGLE. The 'Characterization Status' is set to S. The 'SDDB Main Menu' is visible at the bottom, and the 'Parts Selection List' window is partially visible on the right.

Type Code Usage	Type Code	Type Code Description
CHARACTERIZATION_STATUS	C	Completed
CHARACTERIZATION_STATUS	N	Not Started
CHARACTERIZATION_STATUS	P	Partially Complete
CHARACTERIZATION_STATUS	R	Reviewed
CONSTITUENT_TYPE_CODE	C	CAS Numbered

Part (Edit) details:

- Part Number: 166425-00
- Part Description: BRACKET, ANGLE
- Cage Code: 14213
- Part Classification: UNC
- Weapon Association Classification:
- Design Agency Cage Code:
- Production Agency Cage Code:
- Characterization Status: S
- Characterization Comment:

SDDB Main Menu:

- File
- Assemblies
- Chemical Analysis
- Conformances
- CBR
- Disposition
- Documents
- Hazards
- Manufacture
- Part Data
- Parts
- Persons
- Reports
- Validation Tables
- Weapon System
- Help

Parts Selection List:

Part Number	Part Description	Characterization Status

(6) (7)

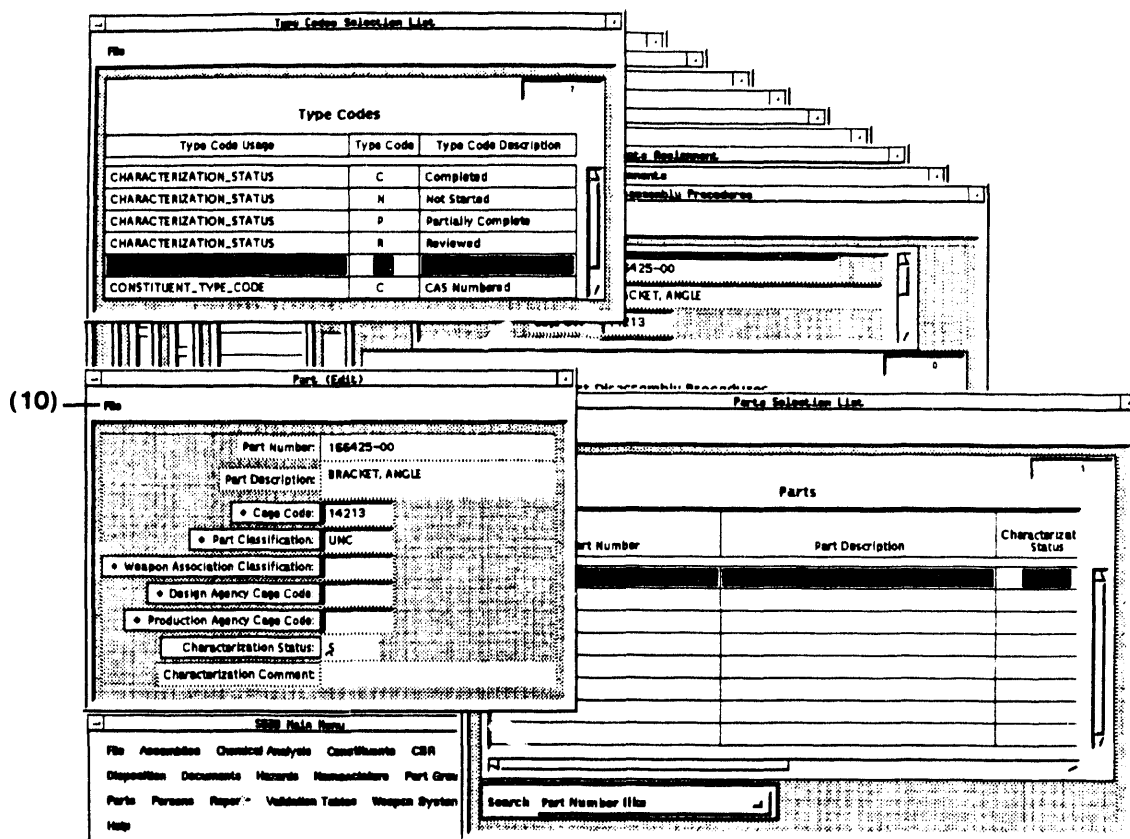
## Part (Edit)

### Characterization Status

- Activate the **Part (Edit)** window by clicking on the outline of the window located above the **SDDB Main Menu**. (6)

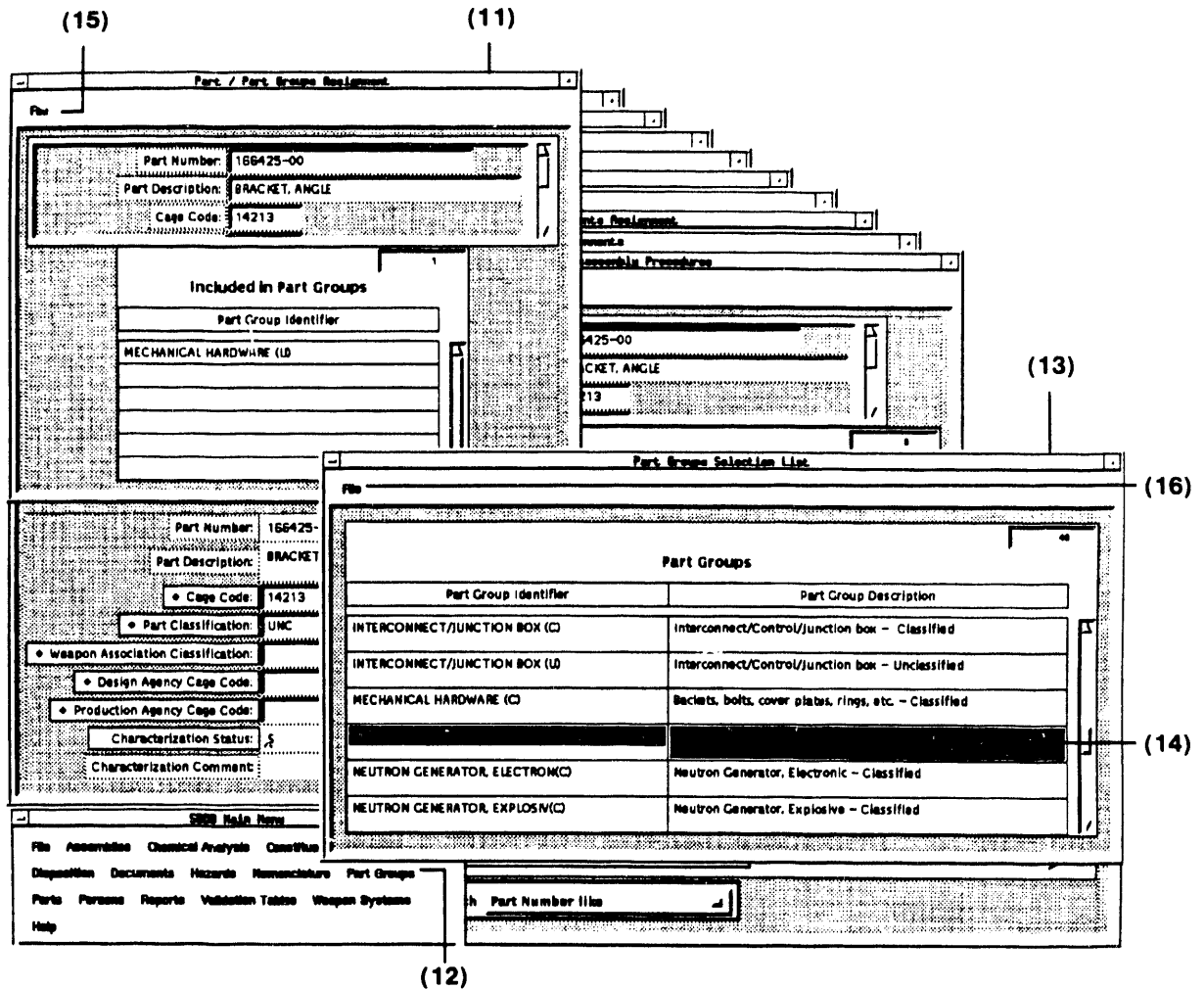
NOTE: A text box that includes a diamond symbol (◆) indicates that a pick list has to be accessed to enter data into the text box. Access the pick list by clicking on the diamond and making the appropriate selection from the pick list window. A text box without a diamond symbol indicates that information must be typed. For consistency, type the information in capital letters.

- Click on the diamond symbol in the Characterization Status box to activate the **Type Codes Selection List** window. (7)
- Position this window in a convenient location to be easily accessed. (8)
- Highlight the row labeled S. This code indicates that the characterization has started. (9)



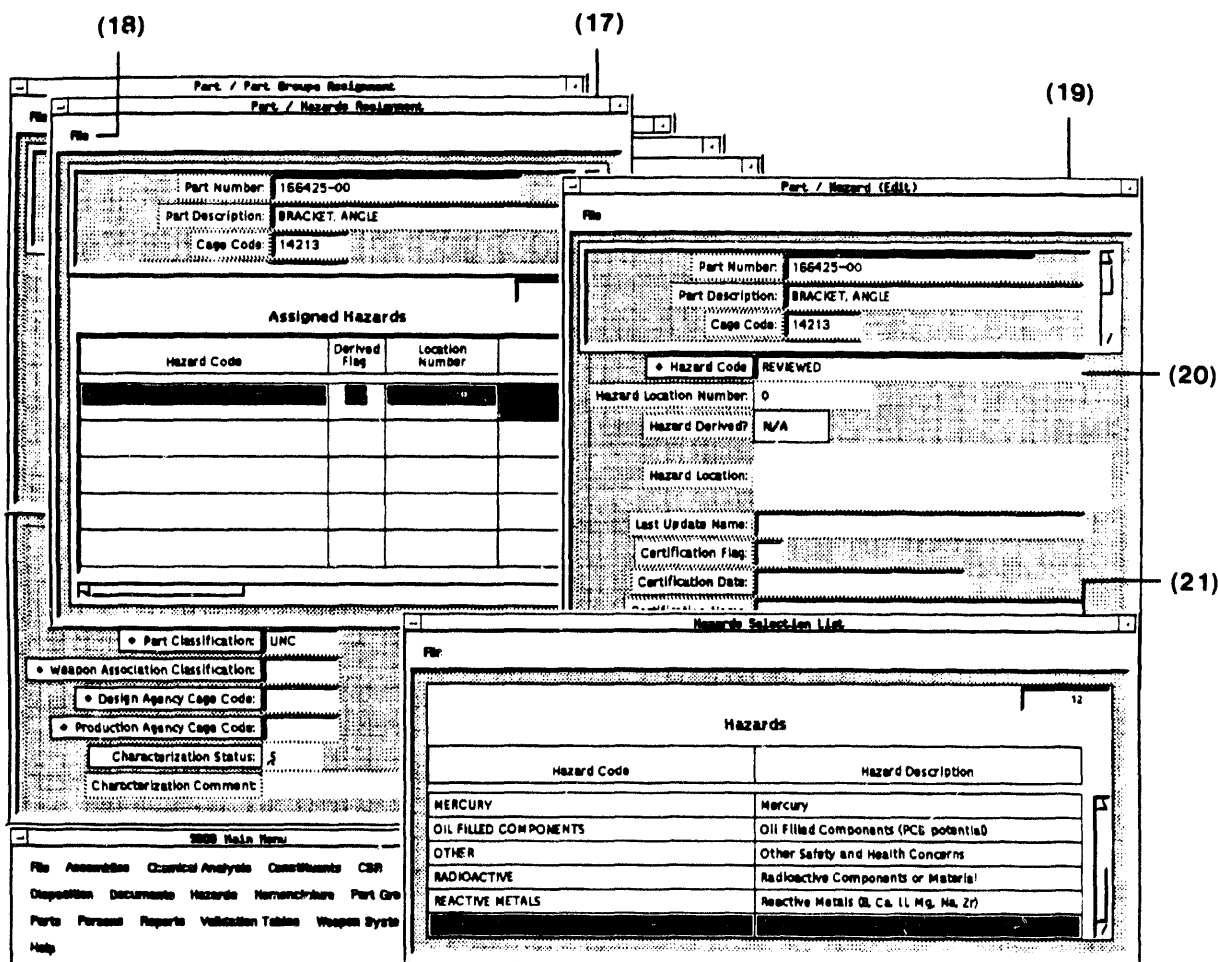
- Select File/Close in the **Type Codes Selection List** window.
- Select File/Modify in the upper left side of the **Part (Edit)** window. These selections transfer an S to the Characterization Status column in the **Parts Selection List** window. (10)

**NOTE:** If more than one part number/suffix is listed, it may be necessary to repeat Step 5.



## Part/Part Groups Assignment

- Activate the **Part/Part Groups Assignment** window by clicking in the first step of the window arrangement. (11)
- Select Part Groups/Part Groups from the **SDDB Main Menu** on the lower left side of the screen to activate the **Part Groups Selection List** window. (12)
- Position this window in a convenient location to be easily accessed. (13)
- Use the scroll bar at the right side of the window to move through the list of part groups.
- Highlight the appropriate row for the part group according to the Demilitarization and Sanitization for Disposition (DSD) General Guidance Manual (Appendix A). (14)
- Select File/Add in the **Part/Part Groups Assignment** window to assign the part group to the part being characterized. These selections transfer the information to the **Part/Part Groups Assignment** window. (15)
- Select File/Close in the **Part Groups Selection List** window. (16)



## Part/Hazards Assignment

The input of this information requires activity in three windows: **Part/Hazards Assignment**, **Part/Hazard (Edit)**, and **Hazards Selection List**.

- Activate the **Part/Hazards Assignment** window by clicking in the next step of the window arrangement. (17)

NOTE: Personnel entering the data should review the documentation package for hazards. For additional guidance, consult with engineering staff having design knowledge about the part.

- Select File/Edit to activate the **Part/Hazard (Edit)** window. (18)
- Position this window in a convenient location to be easily accessed. (19)

### Hazard Code

- Click on the diamond symbol in the Hazard Code box to activate the **Hazards Selection List** window. (20)
- Position this window in a convenient location to be easily accessed. (21)
- Use the scroll bar on the right side of the window to move through the Hazards list.

The screenshot displays four overlapping windows from a software application:

- Part / Part Group Assignment:** Shows fields for Part Number (166425-00), Part Description (BRACKET, ANGLE), and Cage Code (14213).
- Part / Hazard Assignment:** Contains a table titled "Assigned Hazards" with columns for Hazard Code, Derived Flag, and Location Number.
- Part / Hazard (Edit):** Shows fields for Part Number (166425-00), Part Description (BRACKET, ANGLE), Cage Code (14213), Hazard Code (REVIEWED), Hazard Location Number (0), Hazard Derived? (N/A), Hazard Location, Last Update Name, Certification Flag, and Certification Date.
- Hazards Selection List:** A table listing various hazards with their codes and descriptions.

Annotations (22), (23), and (24) point to specific elements in the interface:

- (22) points to the Hazards Selection List window.
- (23) points to the Hazard Code field in the Part / Hazard (Edit) window.
- (24) points to the Hazard Location field in the Part / Hazard (Edit) window.

Hazard Code	Hazard Description
MERCURY	Mercury
OIL FILLED COMPONENTS	Oil Filled Components (PCB potential)
OTHER	Other Safety and Health Concerns
RADIOACTIVE	Radioactive Components or Materials
REACTIVE METALS	Reactive Metals (Al, Ca, Li, Mg, Na, Zn)

- Highlight the appropriate row in the Hazards list to transfer the information to the appropriate text box in the **Part/Hazard (Edit)** window. (22)

**NOTE:** Select and highlight REVIEWED on the Hazards list if no process will be performed on the part (Part/Part Group - DSD general guidance) and the listed hazards are not applicable for the part being addressed. This selection will show in the Hazard Code box of the **Part/Hazard (Edit)** window.

#### *Hazard Derived?*

- Click Yes in the Hazard Derived box if the hazardous portion *is* being disassembled and dispositioned separately from the part being characterized.
- Click No in the Hazard Derived box if the hazardous portion *cannot* be disassembled and dispositioned separately from the part being characterized.
- Click N/A in the Hazard Derived box if no process will be performed and REVIEWED has been selected. (23)

#### *Hazard Location*

- Click in the Hazard Location text box if the Hazard Derived is Yes. The location of hazardous parts/materials can be identified by a specifically worded description, reference to a graphic drawing(s), or reference to a Disassembly Procedure (DP) document. Type the appropriate information. (24)

Part / Part Group Assignment  
Part / Hazard Assignment

Part Number: 166425-00  
Part Description: BRACKET, ANGLE  
Cage Code: 14213

Assigned Hazards

Hazard Code	Derived Flag	Location Number

Part / Record (Edit)

Part Number: 166425-00  
Part Description: BRACKET, ANGLE  
Cage Code: 14213

Hazard Code: REVIEWED  
Hazard Location Number: 0  
Hazard Derived?: N/A  
Hazard Location:  
Last Update Name:  
Certification Flag:  
Certification Date:

Hazard Selection List

Hazard Code	Hazard Description
MERCURY	Mercury
OIL FILLED COMPONENTS	Oil Filled Components (PCB potential)
OTHER	Other Safety and Health Concerns
RADIOACTIVE	Radioactive Components or Material
REACTIVE METALS	Reactive Metals (Li, Ca, LL, Mg, Na, Zn)

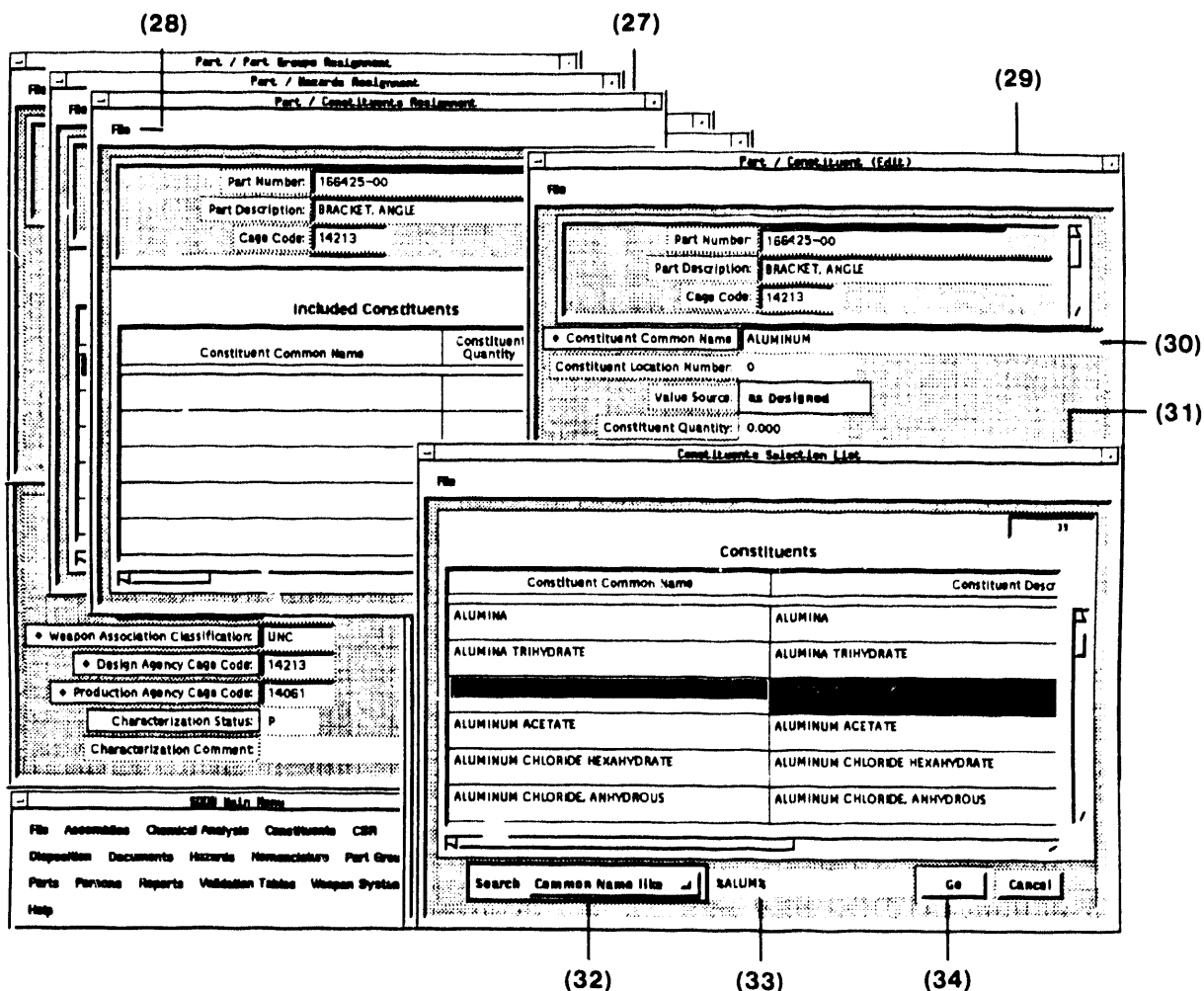
Part Classification: UMC  
Weapon Association Classification:  
Design Agency Cage Code:  
Production Agency Cage Code:  
Characterization Status: S  
Characterization Comment:

2000 Main Menu  
File Assembly Chemical Analysis Constituents CSR  
Disposition Documents Hazards Nomenclature Part Grp  
Parts Persons Reports Validation Tables Weapon System  
Help

(25) (26)

### Save Entries

- Select File/Add in the **Part/Hazard (Edit)** window to assign the part hazards to the part. These selections transfer the information to the **Part/Hazards Assignment** window. (25)
- Select File/Close in the **Part/Hazard (Edit)** window. These selections also close accessed windows. (26)



## Part/Constituents Assignment

- Activate the **Part/Constituents Assignment** window by clicking in the next step of the window arrangement. (27)
- Select File/Edit to activate the **Part/Constituent (Edit)** window. (28)
- Position this window in a convenient location to be easily accessed. (29)

### Constituent Common Name

- Click on the diamond symbol in the Constituent Common Name box to activate the **Constituents Selection List** window. (30)
- Position this window in a convenient location to be easily accessed. (31)
- Find materials that make up the part from the documents that describe the part.
- Select Common Name Like/Common Name Like to display a text box. (32)
- Type the constituent common name (material). Start with a % sign as the first character to get a complete list for the constituent. (A % sign is a wild card character.) (33)
- Press the Return key or click the Go button in the window. A constituent list is displayed. (34)



Part / Part Groups Assignment  
Part / Materials Assignment  
Part / Constituents Assignment

Part Number: 166425-00  
Part Description: BRACKET, ANGLE  
Cage Code: 14213

Included Constituents

Constituent Common Name	Constituent Quantity

• Weapon Association Classification: UNC  
• Design Agency Cage Code: 14213  
• Production Agency Cage Code: 14061  
Characterization Status: P  
Characterization Comment:  

Part / Constituent (Edit)

Part Number: 166425-00  
Part Description: BRACKET, ANGLE  
Cage Code: 14213

• Constituent Common Name: ALUMINUM  
Constituent Location Number: 0  
Value Source: as Designed  
Constituent Quantity: 0.000

Constituents Selection List

Constituents

Constituent Common Name	Constituent Desc
ALUMINA	ALUMINA
ALUMINA TRIHYDRATE	ALUMINA TRIHYDRATE
ALUMINUM ACETATE	ALUMINUM ACETATE
ALUMINUM CHLORIDE HEXAHYDRATE	ALUMINUM CHLORIDE HEXAHYDRATE
ALUMINUM CHLORIDE, ANHYDROUS	ALUMINUM CHLORIDE, ANHYDROUS

Search Constituent Name like ALUMINUM Go Cancel

File Assemblies Chemical Analysis Constituents CSR  
Disposition Documents Hazards Manufacturing Part Group  
Parts Persons Reports Validation Tables Weapon System  
Help

(36)

(35)

- Use the scroll bar on the right side of the window to move through the constituents list.
- Highlight the appropriate row for the constituent common name to transfer the information to the **Part/Constituent (Edit)** window. (35)
- Select File/Close in the **Constituents Selection List** window. (36)

Part / Part Groups Assignment

Part / Name Assignment

Part / Constituent Assignment

Part / Constituent (Edit)

Part Number: 166425-00  
Part Description: BRACKET, ANGLE  
Cage Code: 14213

Included Constituents

Constituent Common Name	Constituent Quantity

• Weapon Association Classification: UNC  
• Design Agency Cage Code: 14213  
• Production Agency Cage Code: 14061  
Characterization Status: P  
Characterization Comment:

Part Number: 166425-00  
Part Description: BRACKET, ANGLE  
Cage Code: 14213

• Constituent Common Name: ALUMINUM  
Constituent Location Number: 0  
Value Source: as Designed  
Constituent Quantity: 0.000  
Units:   
Constituent Location:   
Part Constituent Comment: 8061-T5 PER QQ-A-270, ANODIZED PER MIL-A-8625, TYPE I OR II  
Last Update Name: Rosemarie Renn  
Certification Flag:   
Certification Date:   
Certification Name:   
Certify Data for Transmission: Null

Search Part Number Here

**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

#### Constituent Quantity and Units

- If the material and quantities are known, enter the information in the Quantity and Units text boxes in the **Part/Constituent (Edit)** window. (37)
- If the material and quantities are not known, leave the Quantity and Units text boxes blank.

#### Constituent Location (38)

- Click in the Constituent Location text box, if it is needed. Type specific and descriptive part locations, not necessarily drawing titles.
- Use a numbered list in the Constituent Location text box that corresponds to a numbered list in the Part Constituent Comment text box if the Constituent Location has multiple parts with multiple material specifications. An example of this is as follows:

Part / Part Groups Assignment

Part / Hazardous Assignment

Part / Constituents Assignment

Part / Constituent (Edit)

Part Number: 166425-00  
Part Description: BRACKET, ANGLE  
Cage Code: 14213

Included Constituents

Constituent Common Name	Constituent Quantity

• Weapon Association Classification: UNC  
• Design Agency Cage Code: 14213  
• Production Agency Cage Code: 14051  
Characterization Status: P  
Characterization Comment:  

• Constituent Common Name: ALUMINUM  
Constituent Location Number: 0  
Value Source: as Designed  
Constituent Quantity: 0.000  
• Units:    
Constituent Location:    
Part Constituent Comment: 8081-T8 PER QQ-A-270, ANODIZED PER MIL-A-8625, TYPE I OR II  
List Update Name: Rosemarie Renn  
Certification Flag:    
Certification Date:    
Certification Name:    
Certify Data for Transmission: null

Main Menu  
File Association Chemical Analysis Constituents COW  
Disposition Documents Hazards Manufacture Part Data  
Parts Persons Reports Validation Tables Weapon System  
Help

Search Part Number like

(40) (41)

(39)

Constituent Common Name

STEEL

Constituent Location

- 1) HANDLE
- 2) SHOULDERED STUD

Part Constituent Comment

- 1) 1015 PER 7305808
- 2) 4130H PER 7330024 (ALTERNATE FOR STAINLESS STEEL)

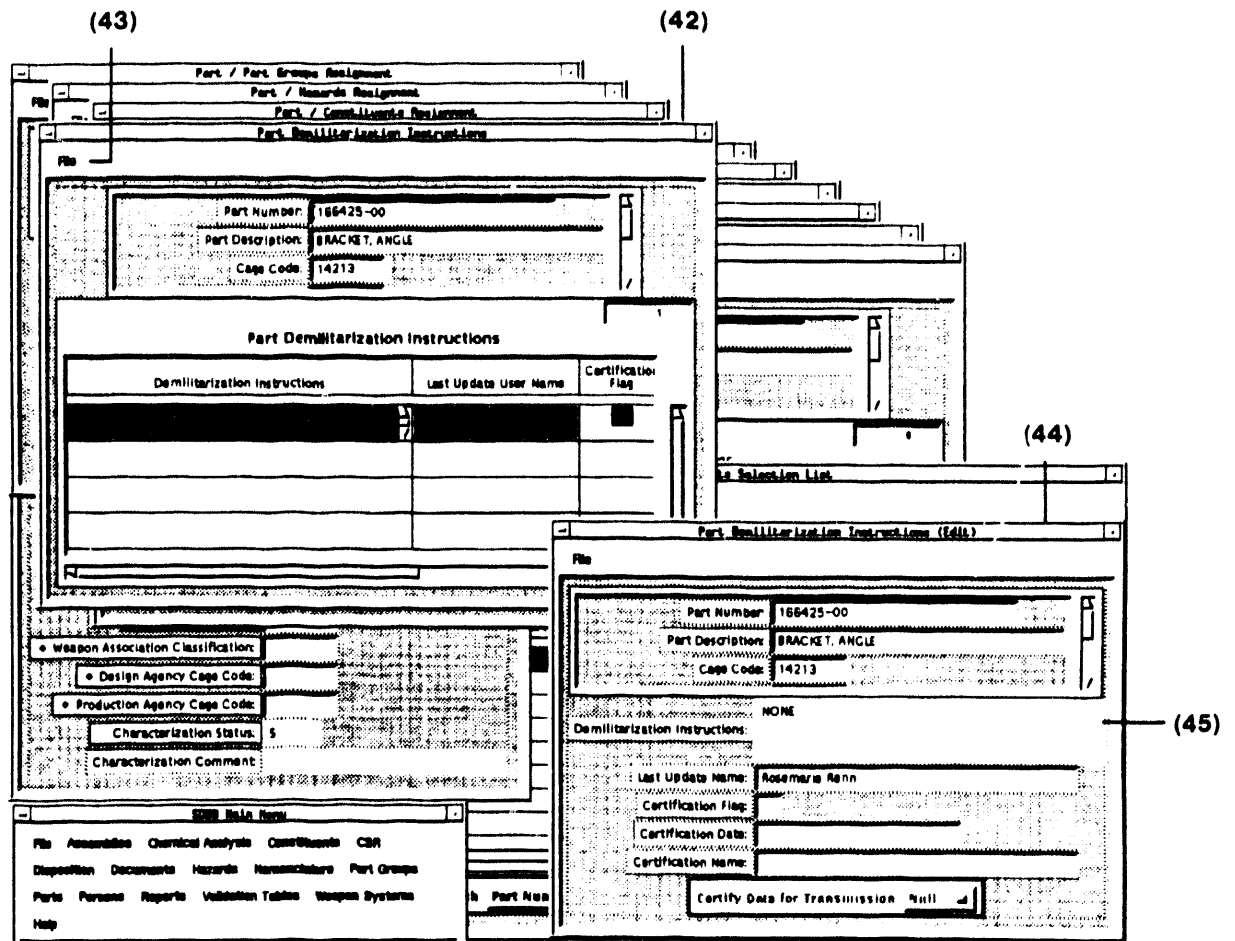
*Part Constituent Comment*

- Click in the Part Constituent Comment text box. Type additional information from the document package notes, such as material specifications. Chemical processes and applicable specifications can be found in the notes or in related documents referred to in the notes. Use the word PER to indicate a document with more information, not where the information originated. (39)

*Save Entries*

- Select File/Add to transfer the information to the **Part/Constituents** window. (40)
- Select File/Close in the **Part/Constituent (Edit)** window. (41)

NOTE: Repeat Steps 30 through 40 as many times as necessary to list all constituents for the part being characterized.

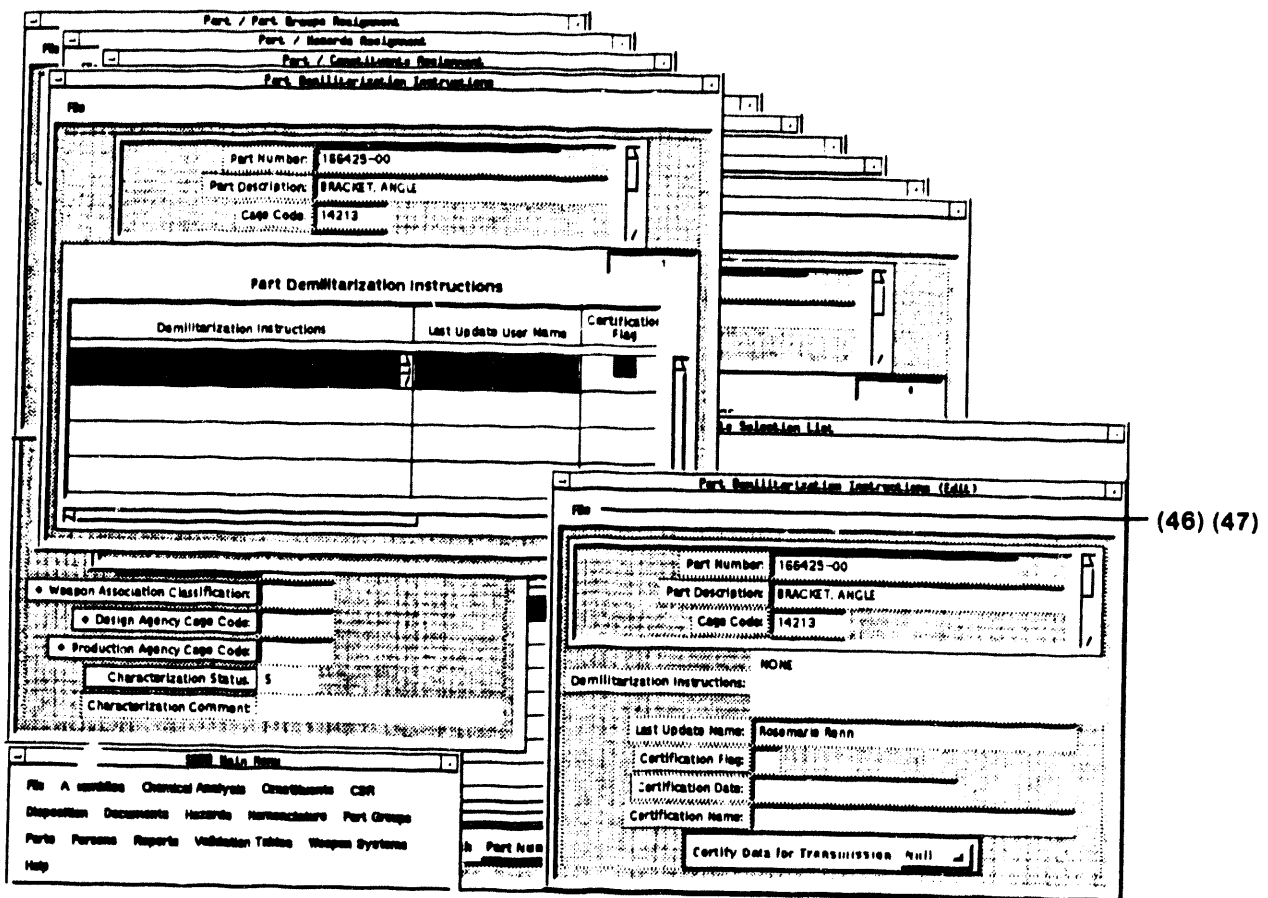


## Part Demilitarization Instructions

- Activate the **Part Demilitarization Instructions** window by clicking in the next step of the window arrangement. (42)
- Select File/Edit to activate the **Part Demilitarization Instructions (Edit)** window. (43)
- Position this window in a convenient location to be easily accessed. (44)

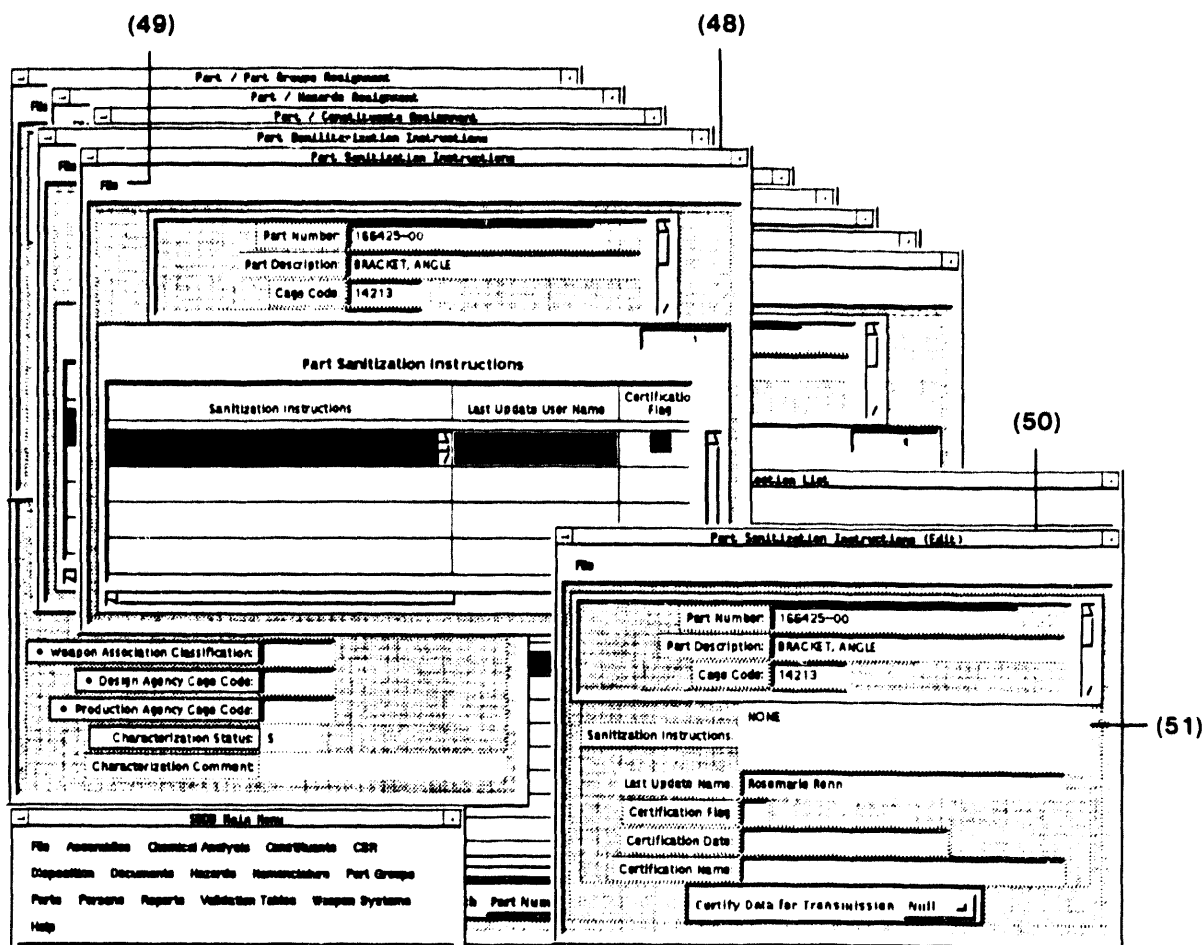
### *Demilitarization Instructions* (45)

- Refer to the DSD Manual to determine if demilitarization is required for the Part Group that has been assigned to the part being characterized.
- Click in the Demilitarization Instructions text box. Type the instructions for the part being characterized.
- If demilitarization is not required, type NONE in the text box.
- If demilitarization is required, consult with the local classification officer to determine the requirements for preparing the part so that it can no longer be used for military purposes. Information can also be found in the DP, if the document has been generated for the part being characterized.



### Save Entries

- Select File/Add to transfer the information to the **Part Demilitarization Instructions** window. (46)
- Select File/Close in the **Part Demilitarization Instructions (Edit)** window. (47)



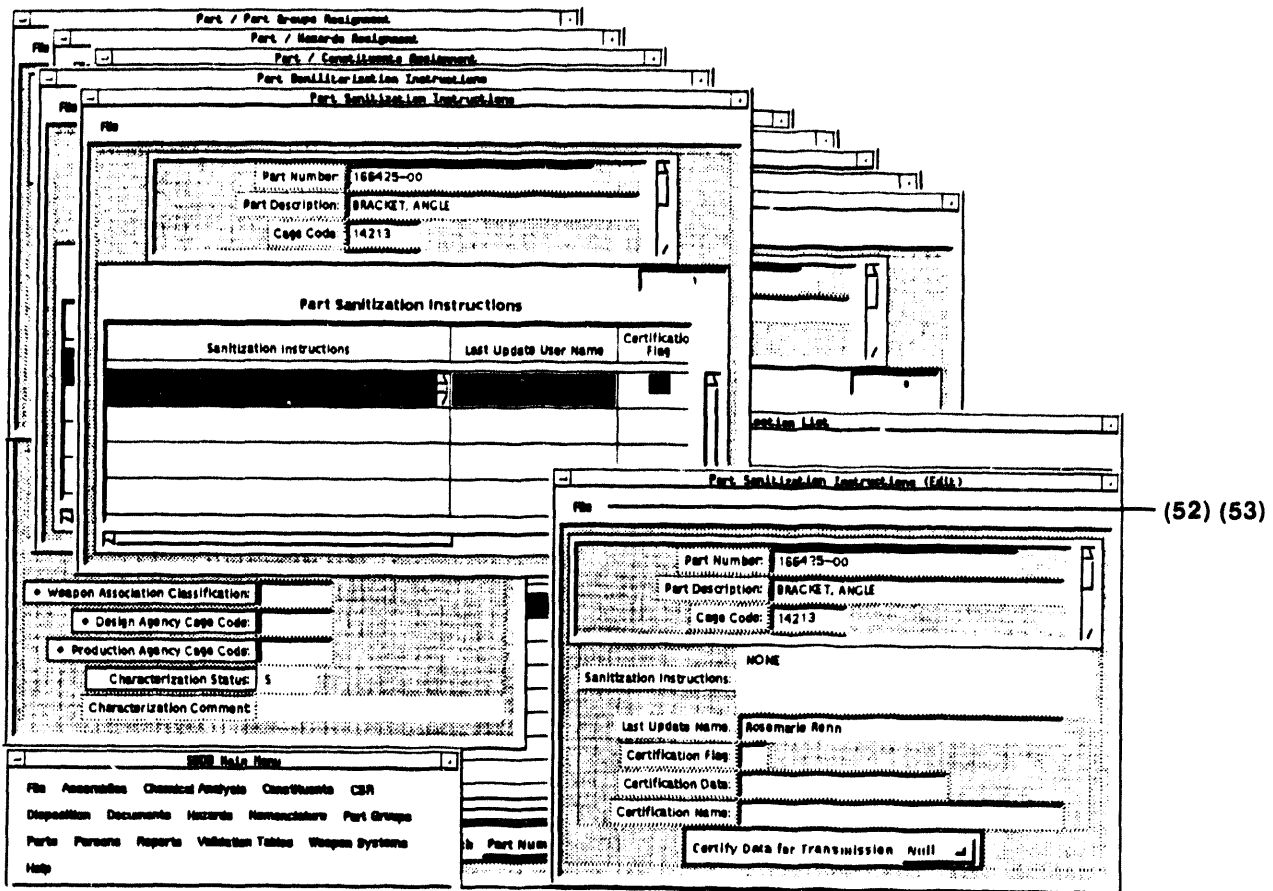
## Part Sanitization Instructions

- Activate the **Part Sanitization Instructions** window by clicking in the next step of the window arrangement. (48)
- Select File/Edit to activate the **Part Sanitization Instructions (Edit)** window. (49)
- Position this window in a convenient location to be easily accessed. (50)

**WARNING:** When working in an UNCLASSIFIED database, verify that this information will not inadvertently classify the database.

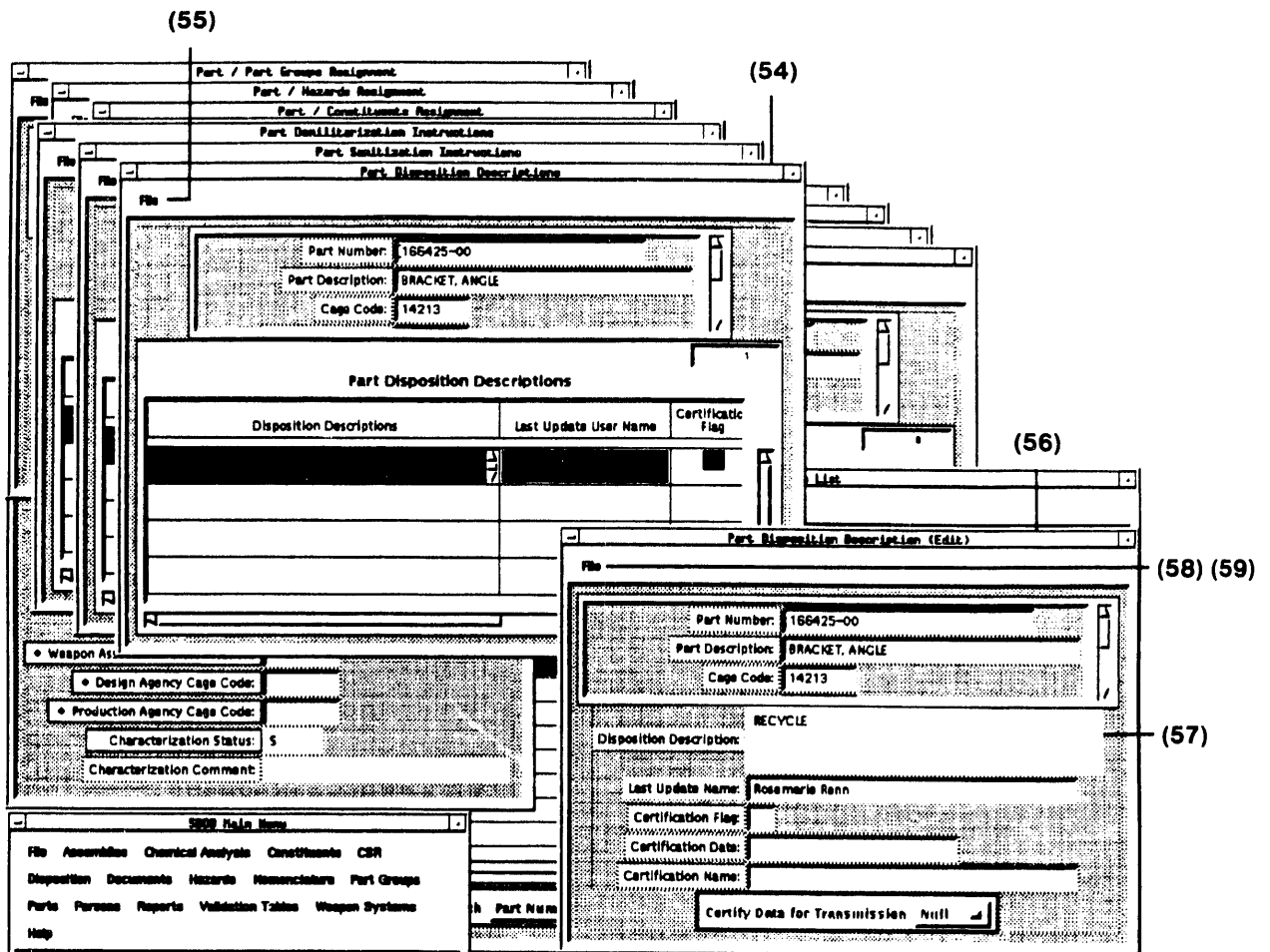
### Sanitization Instructions (51)

- Click in the Sanitization Instructions text box. Type the instructions for the part being characterized.
- If sanitization is not required, type NONE in the text box.
- If the part is classified, request sanitization instructions from the local classification officer. Information can also be found in the DP Document, if a document has been generated for the part being characterized.



### Save Entries

- Select File/Add in the **Part Sanitization Instructions (Edit)** window to transfer the information to the **Part Sanitization Instructions** window. (52)
- Select File/Close in the **Part Sanitization Instructions (Edit)** window. (53)



## Part Disposition Descriptions

- Activate the **Part Disposition Descriptions** window by clicking in the next step of the window arrangement. (54)
- Select File/Edit to activate the **Part Disposition Description (Edit)** window. (55)
- Position this window in a convenient location to be easily accessed. (56)

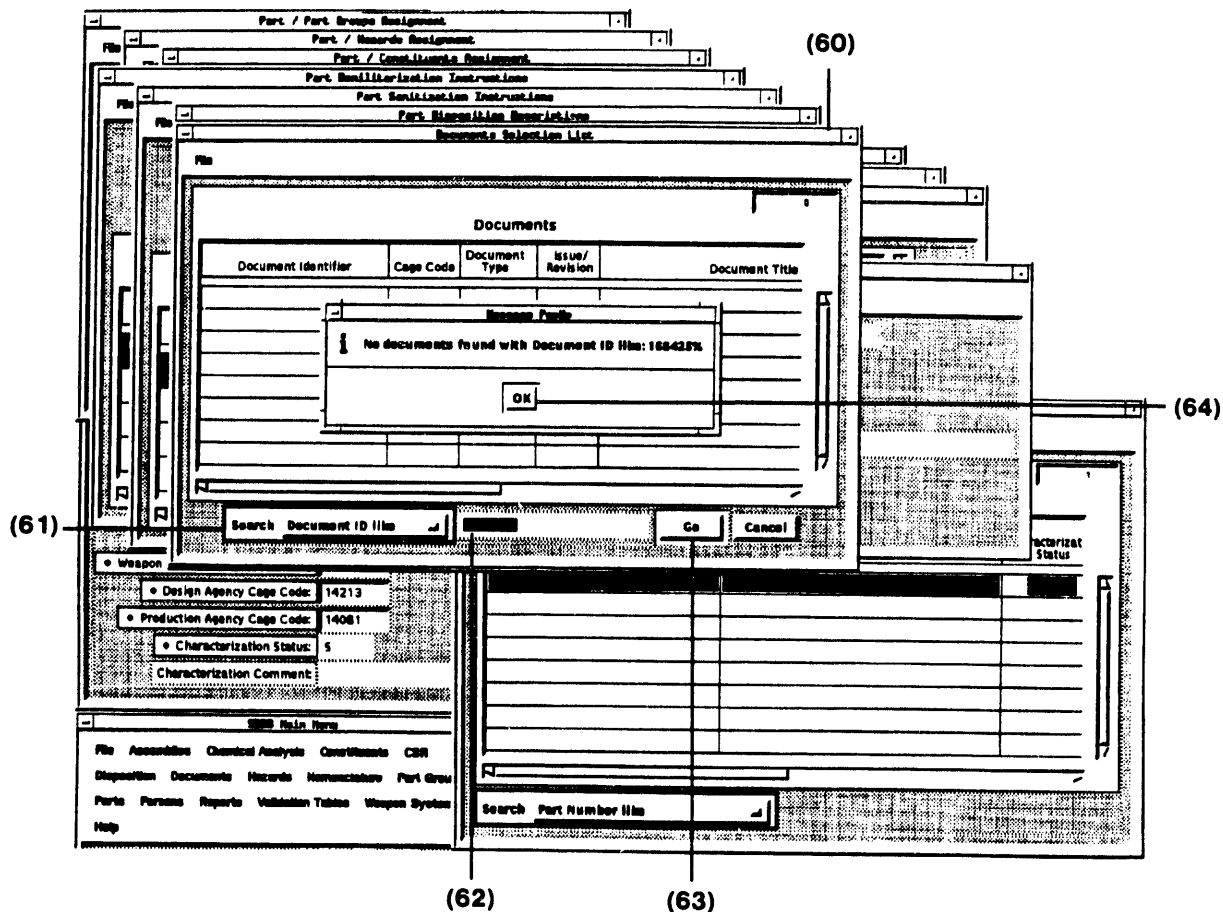
### *Disposition Descriptions*

- Consult with the local waste management group to determine proper disposition for the part being characterized. Consult with the Chemical Analysis group to determine if a chemical analysis is required, has been requested, or has been completed.
- Click in the Disposition Description text box. Type the instructions for the part being characterized. (57)

### *Save Entries*

- Select File/Add to transfer the information to the **Part Disposition Descriptions** window. (58)
- Select File/Close in the **Part Disposition Description (Edit)** window. (59)





## Documents

- Activate the **Documents Selection List** window by clicking in the next step of the file arrangement. (60)

**NOTE:** This is a list of all documents in the database. Add the documents that have provided characterization data to this section. Fill in all information blocks. This input requires activity in several documents windows.

### Document Search

- Select Document ID Like/Document ID Like to display a text box. (61)

**CAUTION:** A document will not appear in the Document Identifier list until it is searched for the first time, even though it may be in the database.

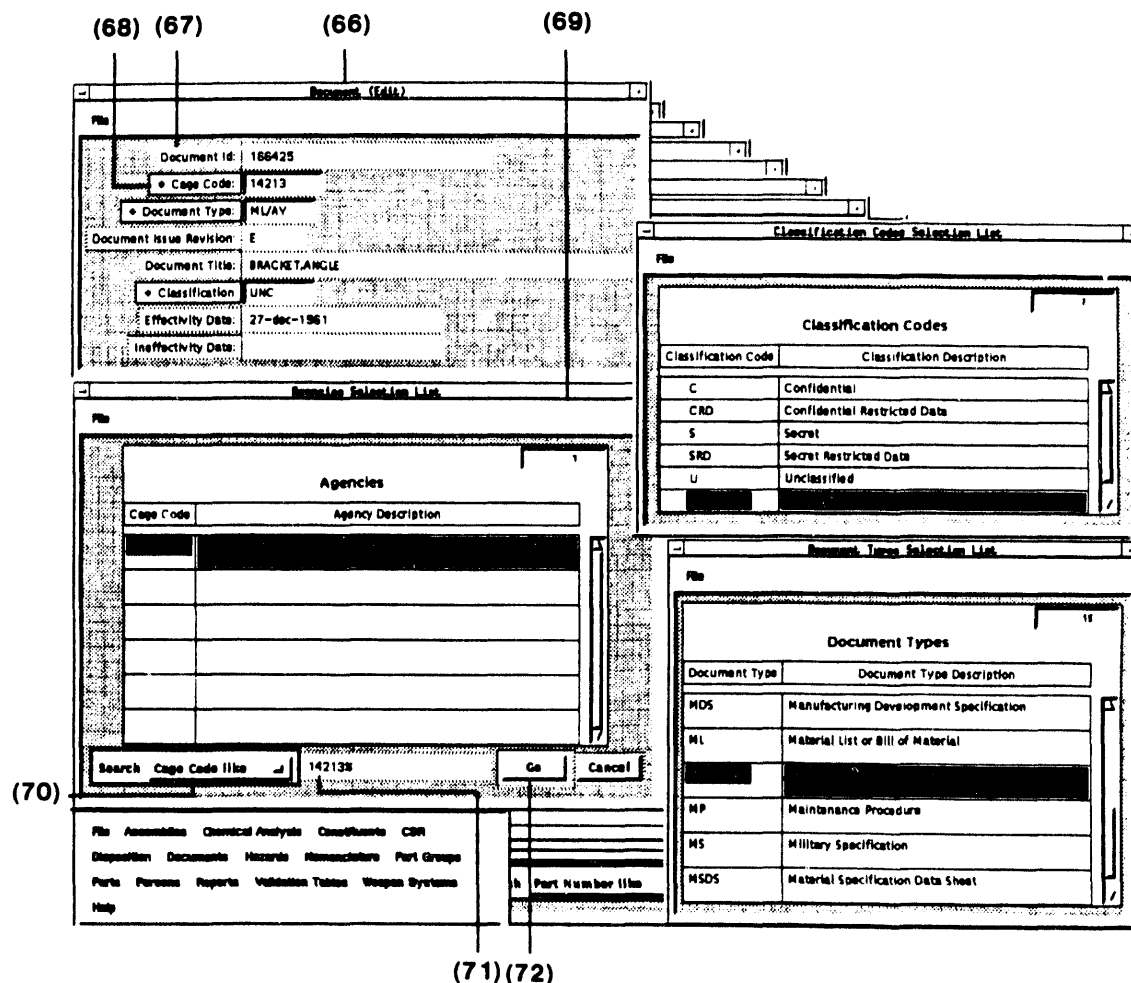
- Type Document Identifier/Drawing Number from the document package. (62)
- Press the Return key or click the Go button in the window. (63)
- If the document is found, highlight the appropriate row and proceed directly to Step 88.
- If the document is not found, click OK. (64)

(65)

The screenshot displays a complex software interface with multiple overlapping windows. The primary window in the foreground is titled 'Documents'. It features a table with the following headers: 'Document Identifier', 'Cage Code', 'Document Type', 'Issue/Revision', and 'Document Title'. Below the table, a message box states: 'No documents found with Document ID IIm: 166425%'. An 'OK' button is located at the bottom of this message box. Below the 'Documents' window, there is a search bar labeled 'Search Document ID IIm' with a 'Go' button and a 'Cancel' button. To the left of the search bar, there are several input fields: 'Design Agency Cage Code: 14213', 'Production Agency Cage Code: 14061', and 'Characterization Status: 5'. Below these fields is a 'Characterization Comment' text area. At the bottom left, there is a 'Main Menu' section with a list of options: 'File', 'Assembly', 'Chemical Analysis', 'Characteristics', 'CBR', 'Disposition', 'Documents', 'Hazards', 'Manufacture', 'Part Data', 'Parts', 'Personnel', 'Reports', 'Validation Tables', 'Weapon System', and 'Help'. On the right side of the interface, there is a 'Characterization Status' section with a table that has three columns and several rows.

### Document Entry

- Select File/Edit in the **Documents Selection List** window to activate the **Document (Edit)** window. (65)



- Position the window in a convenient location to be easily accessed. (66)

#### Document ID

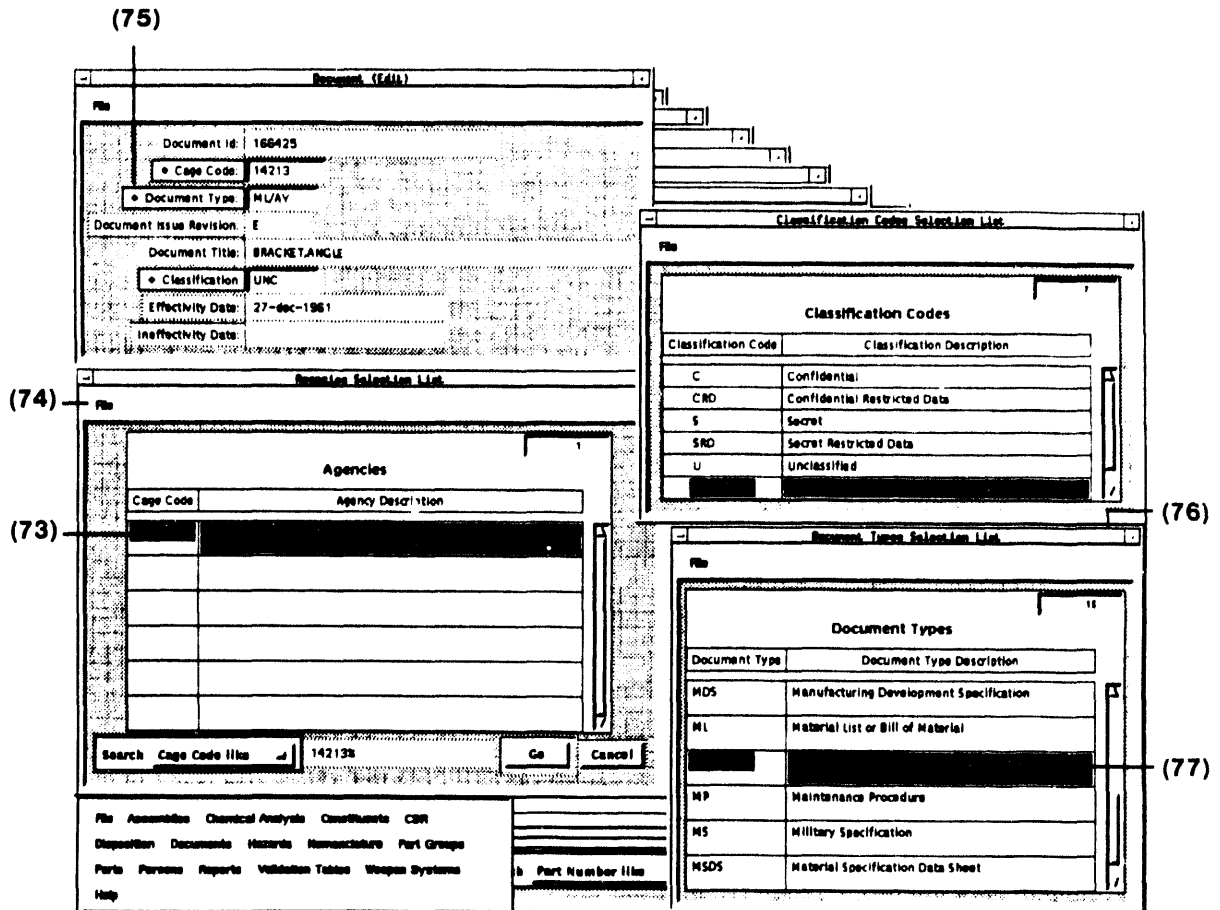
- Click in the Document ID text box in the **Document (Edit)** window. Type the Document Identifier from the document package. (67)

#### Cage Code

- Click on the diamond symbol in the Cage Code box to activate the **Agencies Selection List** window. (68)
- Position this window in a convenient location to be easily accessed. (69)
- Select Cage Code Like/Cage Code Like to display a text box. (70)

NOTE: The appropriate cage code for MS and NAS numbers is N/A.

- Type the code identification from the document package. (71)
- Press the Return key or click the Go button in the window. A Cage Codes and Agency Descriptions list is displayed. (72)



- Highlight the appropriate row to transfer the code number to the **Document (Edit)** window. (73)
- Select File/Close in the **Agencies Selection List** window. (74)

#### *Document Types*

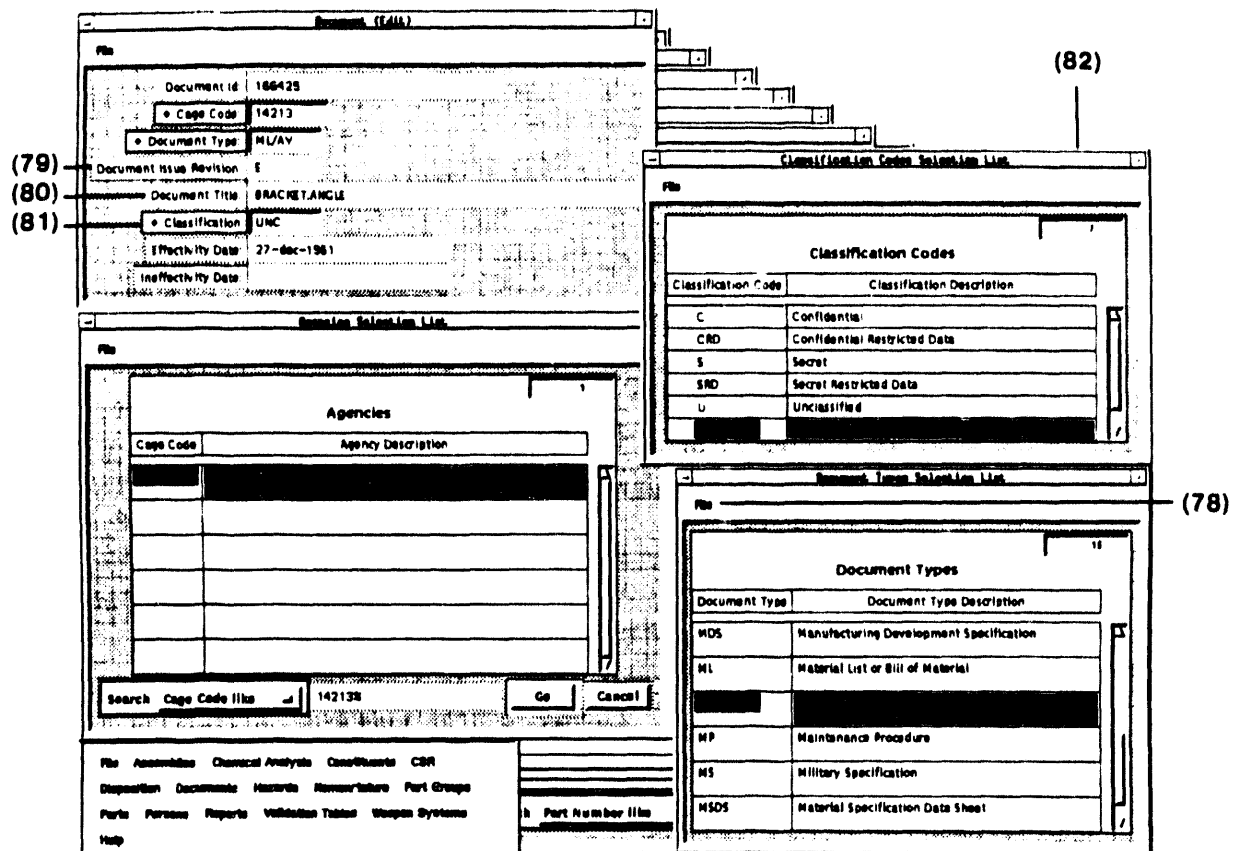
- Click the diamond symbol in Document Type box to activate the **Document Types Selection List** window. (75)
- Position this window in a convenient location to be easily accessed. (76)
- Use the scroll bar at the right side of the window to move through the list of document types.
- Highlight the appropriate row for the document being described to transfer the information to the **Document (Edit)** window. Several commonly used document types are as follows: (77)

ML/AY – Any drawing that has a combination of graphic and material information, including note forms.

MS – Applies to all military standards, including National Aerospace (NAS numbers).

SG – General Specifications.

SS – Specific specifications for particular use; otherwise, use SG for specifications.



- Select File/Close in the **Document Types Selection List** window. (78)

#### *Document Issue Revision*

- Click in the Document Issue Revision text box in the **Document (Edit)** window. Type the information from the document. (79)

#### *Document Title*

- Click in the Document Title text box. Type the title from the title block on the document. (80)

#### *Classification*

- Click the diamond symbol in Classification box to activate the **Classification Codes Selection List** window. (81)
- Position this window in a convenient location to be easily accessed. (82)
- Determine the document classification from information on the title block of the document.

(86) (87)

The screenshot displays a software interface with four overlapping windows. The top-left window, titled "Document (Edit)", contains fields for Document ID (100425), Code Code (14213), Document Type (MUAY), Document Issue Revision (E), Document Title (BRACKETANGLE), Classification (UNC), Effectivity Date (27-dec-1991), and Ineffectivity Date. A callout (85) points to the Effectivity Date field. The top-right window, titled "Classification Codes Selection List", shows a table of classification codes. A callout (84) points to the window title, and a callout (83) points to the table. The bottom-left window, titled "Agencies Selection List", shows a table with columns for Code Code and Agency Description. The bottom-right window, titled "Document Types Selection List", shows a table of document types. At the bottom of the interface is a menu bar with options: File, Assembly, Chemical Analysis, Classification, CBR, Disposition, Documents, History, Maintenance, Part Groups, Parts, Reports, Reports, Validation Tables, Weapon Systems, and Help. A search bar at the bottom left contains the text "Search Code (like) 142136" and buttons for "Go" and "Cancel".

Classification Code	Classification Description
C	Confidential
CND	Confidential Restricted Data
S	Secret
SND	Secret Restricted Data
U	Unclassified

Document Type	Document Type Description
MDS	Manufacturing Development Specification
ML	Material List or Bill of Material
MP	Maintenance Procedure
MS	Military Specification
MSDS	Material Specification Data Sheet

- Highlight the appropriate row for the classification code to transfer the information to the **Document (Edit)** window. (83)
- Select File/Close in the **Classification Codes Selection List** window. (84)

#### *Effectivity Date*

- Click in the Effectivity Date text box. Type the information from the document. (85)

#### *Save Entries*

- Select File/Add in the **Document (Edit)** window to transfer the information to the **Documents Selection List** window. (86)
- Select File/Close in the **Document (Edit)** window. (87)

- 30

Part / Documents Assignment

Document Identifier

Part Number: 168425-00

Part Description: BRACKET ANGLE

Cage Code: 14213

Supporting Documents

Document Identifier	Document Cage Code
168425	14213

Search Documents

Characterization Status

Weapon Assignment

Design Agency Cage Code

Production Agency Cage Code

Characterization Status

Characterization Comment

Data Menu

File Assembly Character Analysis Characteristics CBR

Disposition Documents Hazard Manufacture Part Groups

Parts Personnel Reports Validation Tables Weapon Systems

Help

Part Number List

(89)

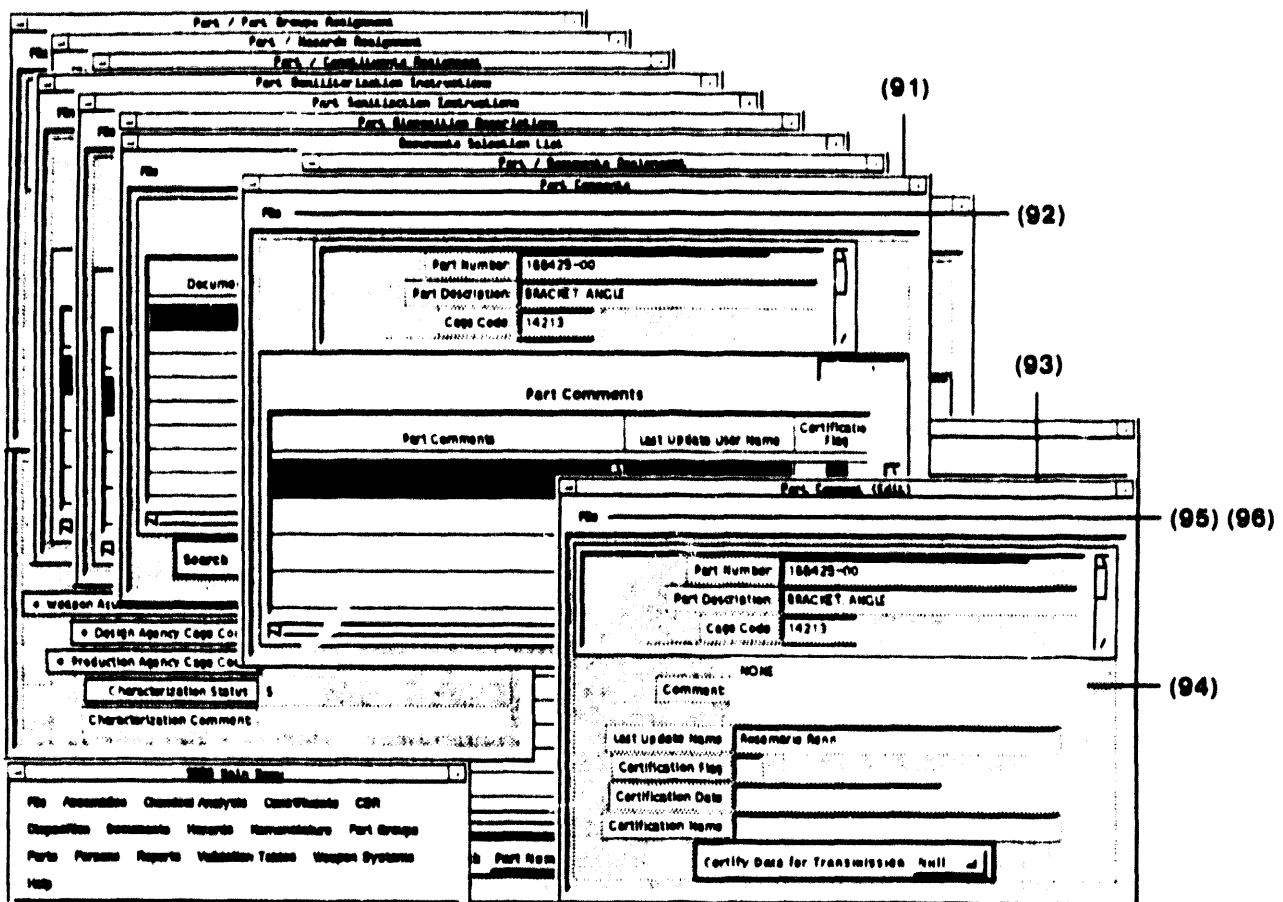
(90)

## Part/Documents Assignment

- Activate the **Part/Documents Assignment** window by clicking in the next step of the window arrangement. (89)
- Select File/Add to assign the document highlighted in the **Documents Selection List** window to the part being characterized. The document will be listed in the Supporting Documents list of the **Part/Documents Assignment** window. (90)

Repeat Steps 61 through 90 as many times as necessary to list all documents that provided characterization data.





## Part Comments

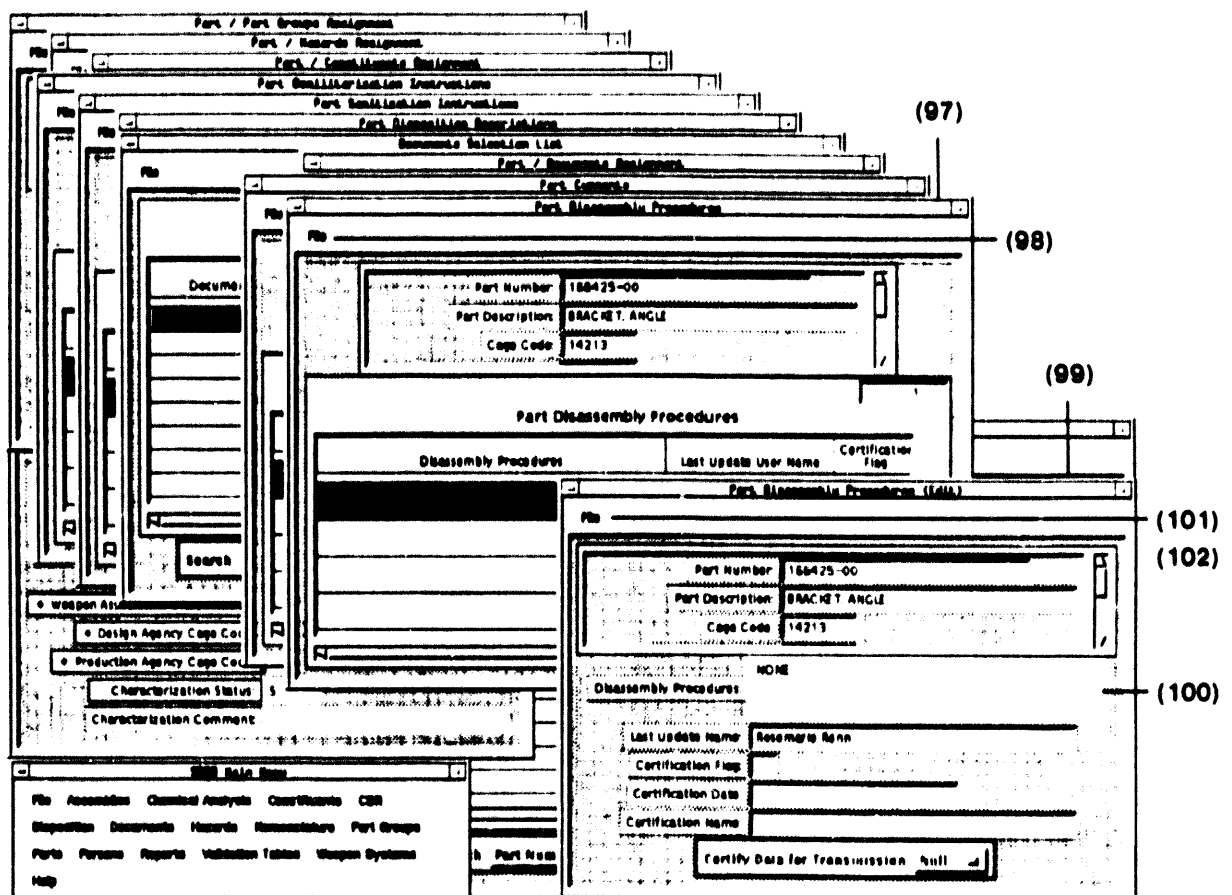
- Activate the **Part Comments** window by clicking in the next step of the window arrangement. (91)
- Select File/Edit to activate the **Part Comment (Edit)** window. (92)
- Position the window in a convenient location to be easily accessed. (93)

### Comment

- Click in the Comment box. Type a comment or NONE in the text box. (94)

### Save Entries

- Select File/Add to transfer the information to the **Part Comments** window. (95)
- Select File/Close in the **Part Comment (Edit)** window. (96)



## Part Disassembly Procedures

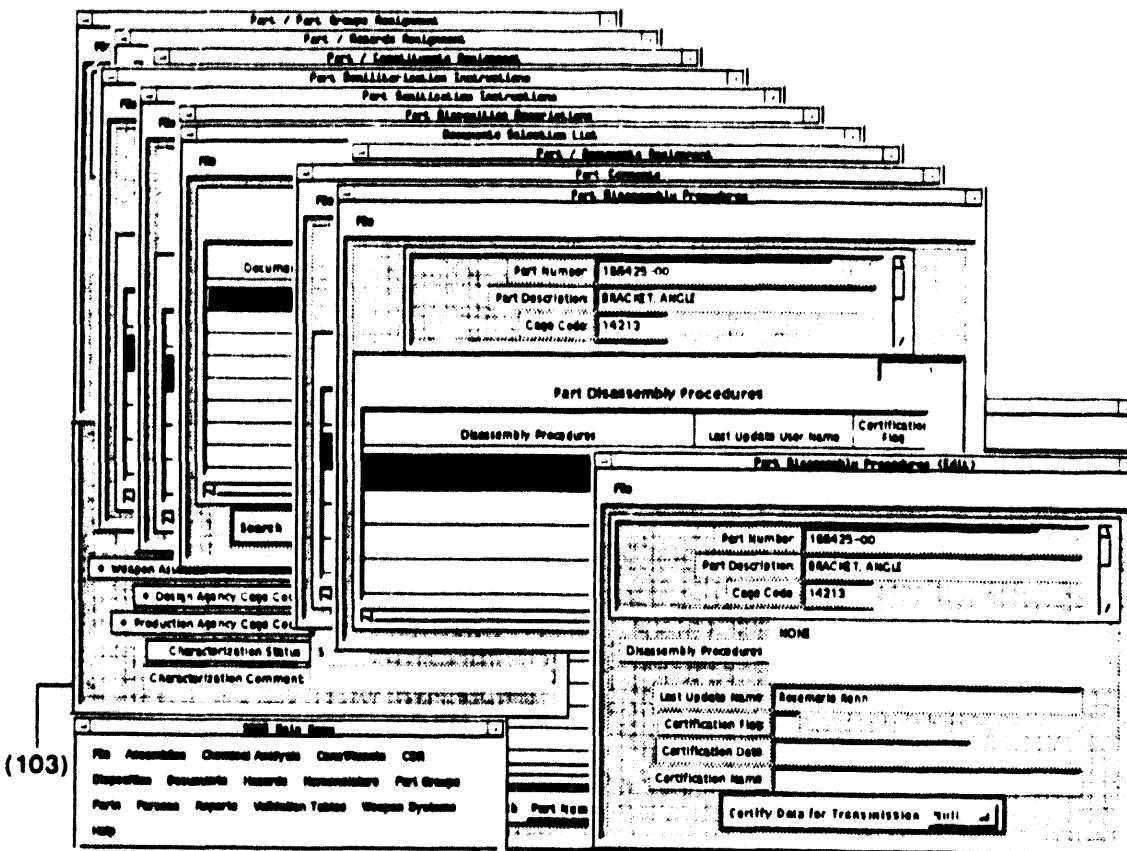
- Activate the **Part Disassembly Procedures** window by clicking in the next step of the window arrangement. (97)
- Select File/Edit to activate the **Part Disassembly Procedures (Edit)** window. (98)
- Position the window in a convenient location to be easily accessed. (99)

### *Disassembly Procedures (100)*

- Click in the **Disassembly Procedures** text box. Type procedures for disassembly if applicable. If disassembly is not required, type NONE in the text box.

### *Save Entries*

- Select File/Add to transfer the information to the **Part Disassembly Procedures** window. (101)
- Select File/Close in the **Part Disassembly Procedures (Edit)** window. (102)



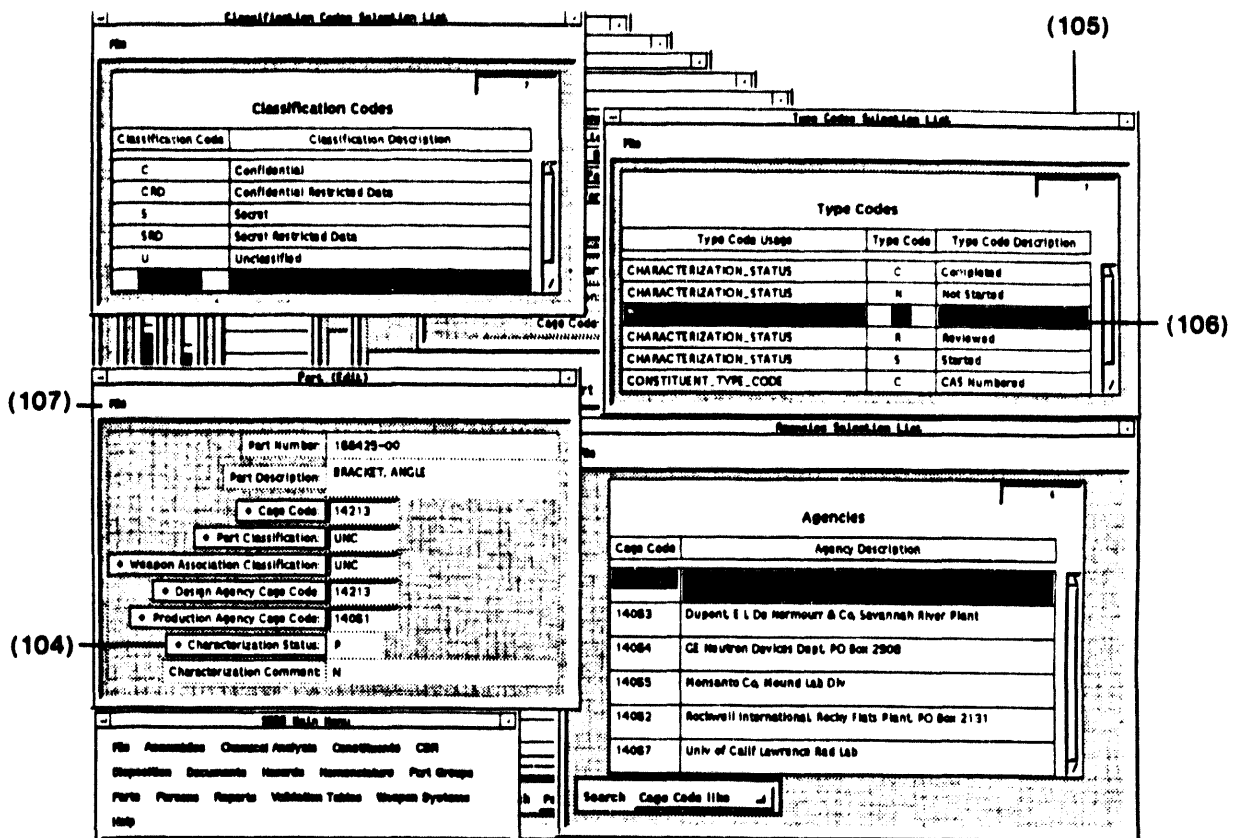
## Part (Edit)

- Activate the **Part (Edit)** window by clicking on the outline of the window located above the **SDDB Main Menu**. (103)

**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

*Part number, Description, Cage Code, Part Classification, Weapon Association Classification, Design Agency Cage Code, Production Agency Cage Code*

- Verify information for these text boxes with the document package and modify as appropriate.
- Refer to Example 1 if information is missing or if discrepancies are found.



### Characterization Status

- Click on the diamond symbol in the Characterization Status box to activate the **Type Codes Selection List** window. (104)
- Position this window in a convenient location to be easily accessed. (105)
- Highlight the row labeled P. This code indicates that the characterization is partially complete. It also indicates that the characterization is ready for review and internal QA/QC. (106)
- Select File/Close in the **Type Codes Selection List** window.

### Characterization Comment

- Click in the Characterization Comment text box.
- Type Y if the part needs to be returned from DoD custody to the DOE production agency for disposition.
- Type N if the part does not need to be returned from DoD custody.

### Save Entries

- Select File/Modify to transfer the information to the **Part Selection List** window. (107)

## Procedures for Characterization/Data Entry of Simple Parts

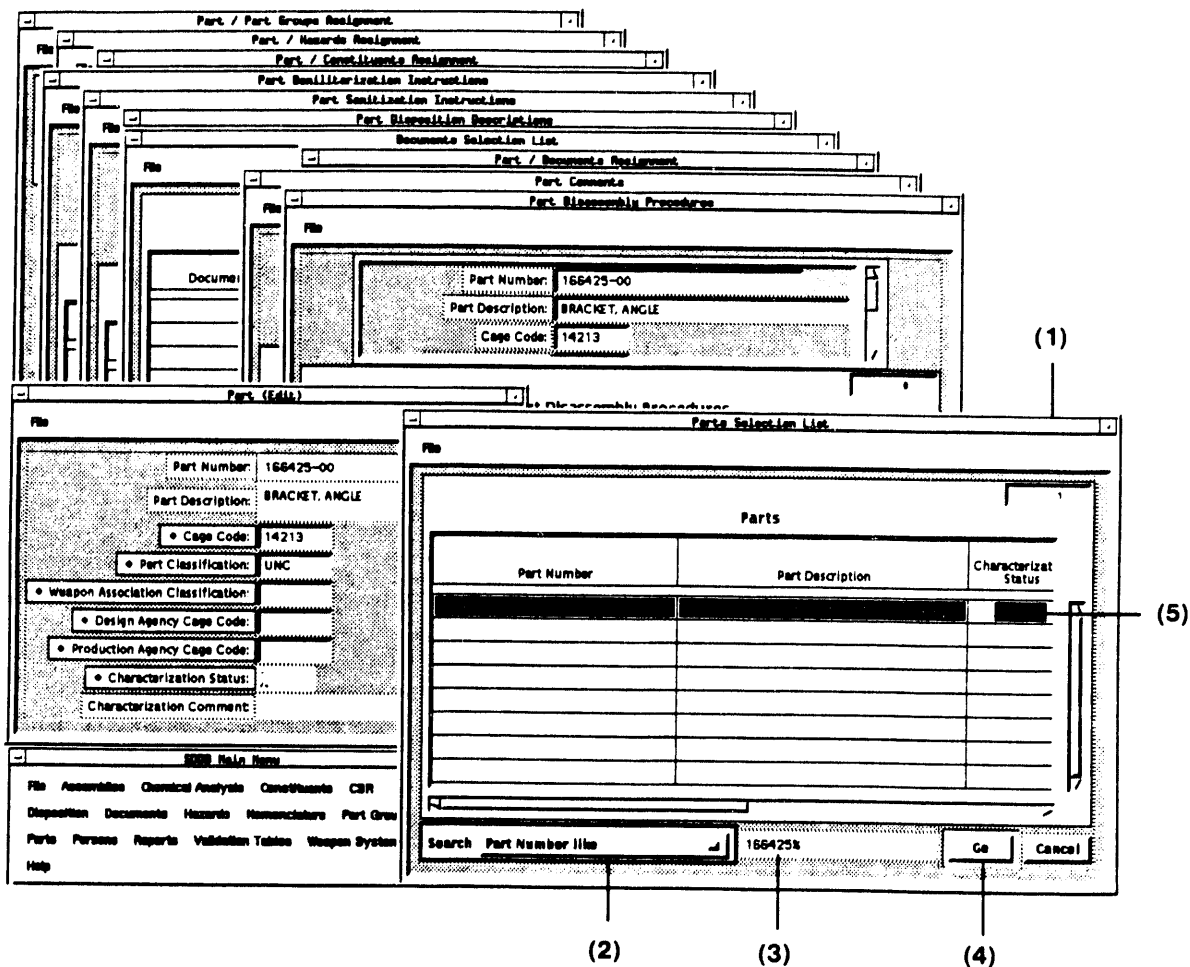
### Example 1

Part Number 166425-00 for an angle bracket describes an anodized aluminum part. Drawing 166425 is provided, at the end of this section, with corresponding callouts that show where to get the information for data entry.

**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

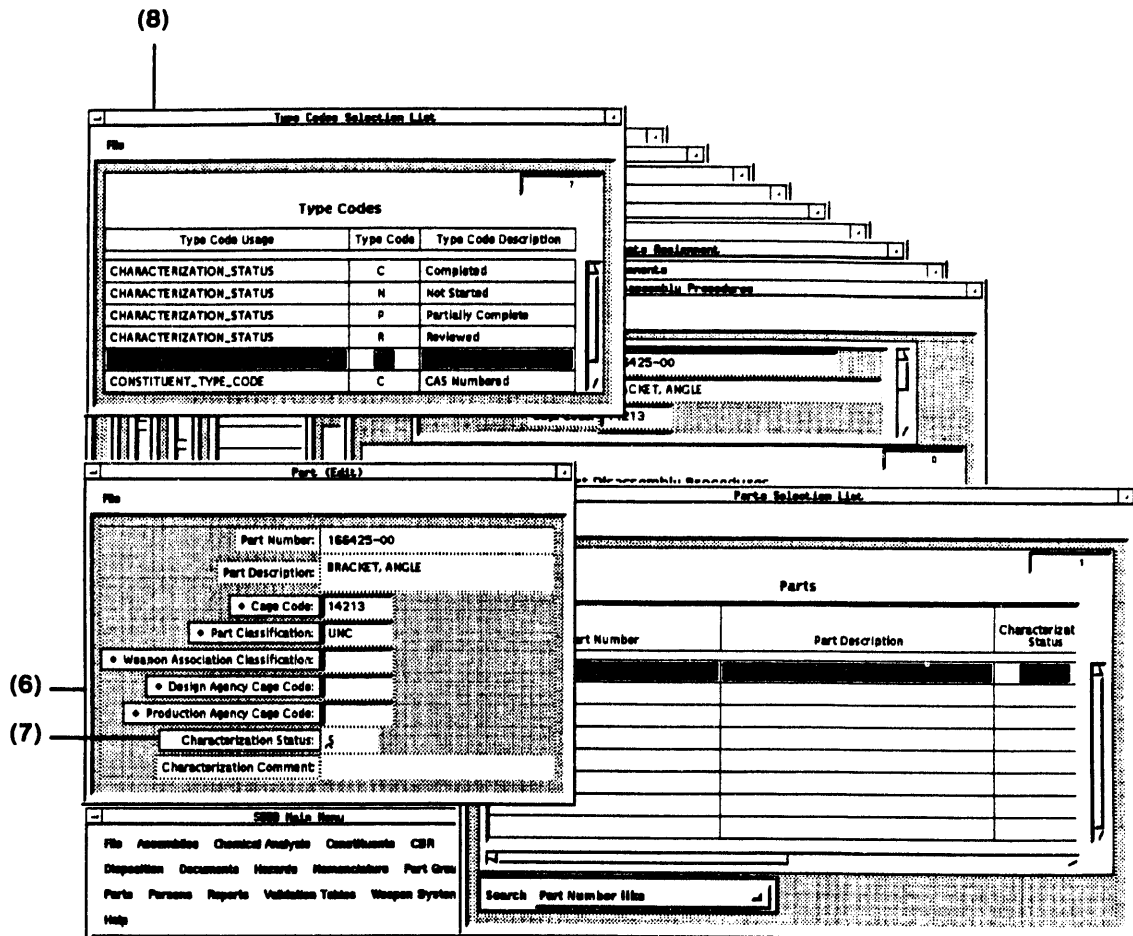
Refer to the Log-in Procedure in the General Section to log in and to set up the window arrangement from the **SDDB Main Menu**.

**NOTE:** The top bar of the active window is a different color or shade from the inactive windows.



## Parts Selection List

- Activate the **Parts Selection List** window by clicking on the top bar of the window located at the lower right side of the screen. (1)
- Select Part Number Like/Part Number Like at the bottom of the window to display a text box. (2)
- Type the six-digit portion of the part number to be characterized (166425) as it appears in the Design Agency Part Number column on the drawing. (3)
- Press the Return key or click the Go button in the window. A parts list is displayed. (4)
- Highlight the appropriate row for the suffix to be characterized (166425-00) from the listing in the **Parts Selection List** window. (5)



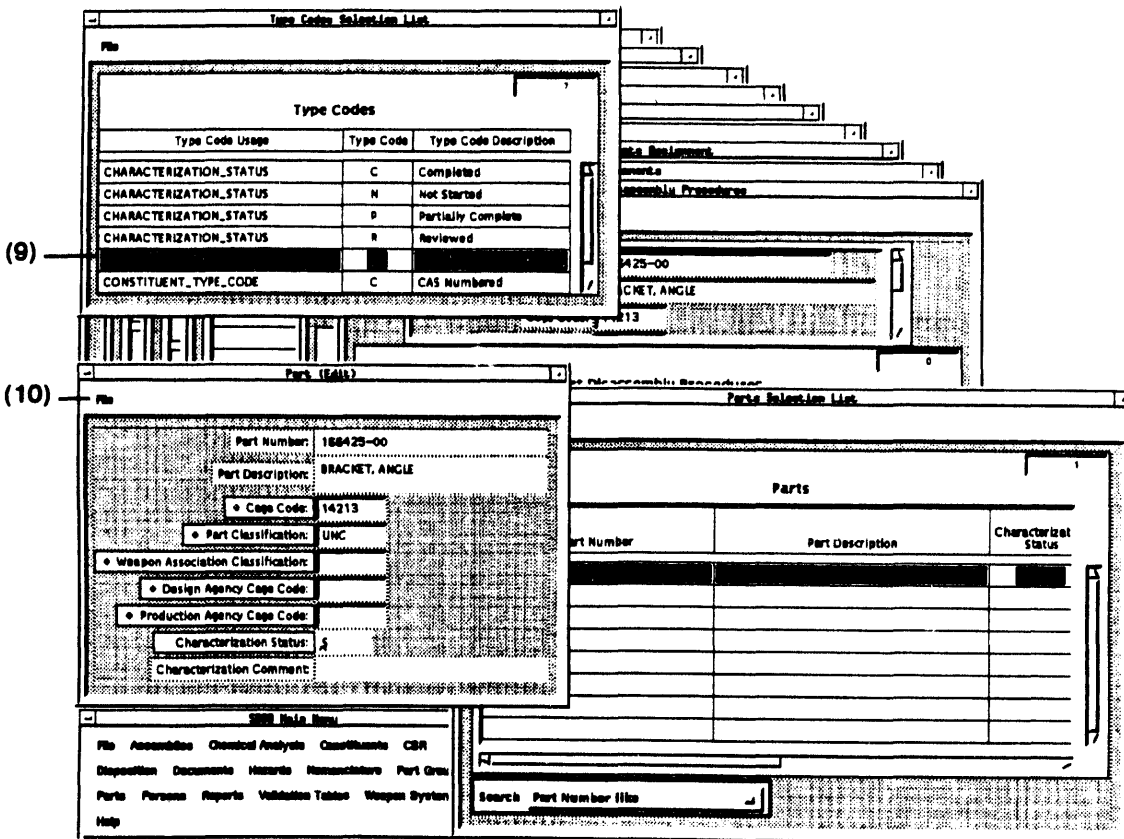
## Part (Edit)

### Characterization Status

- Activate the **Part (Edit)** window by clicking on the outline of the window located above the **SDDB Main Menu**. (6)

NOTE: A text box that includes a diamond symbol (◆) indicates that a pick list has to be accessed to enter data into the text box. Access the pick list by clicking on the diamond and making the appropriate selection from the pick list window. A text box without a diamond symbol indicates that information must be typed. For consistency, type the information in capital letters.

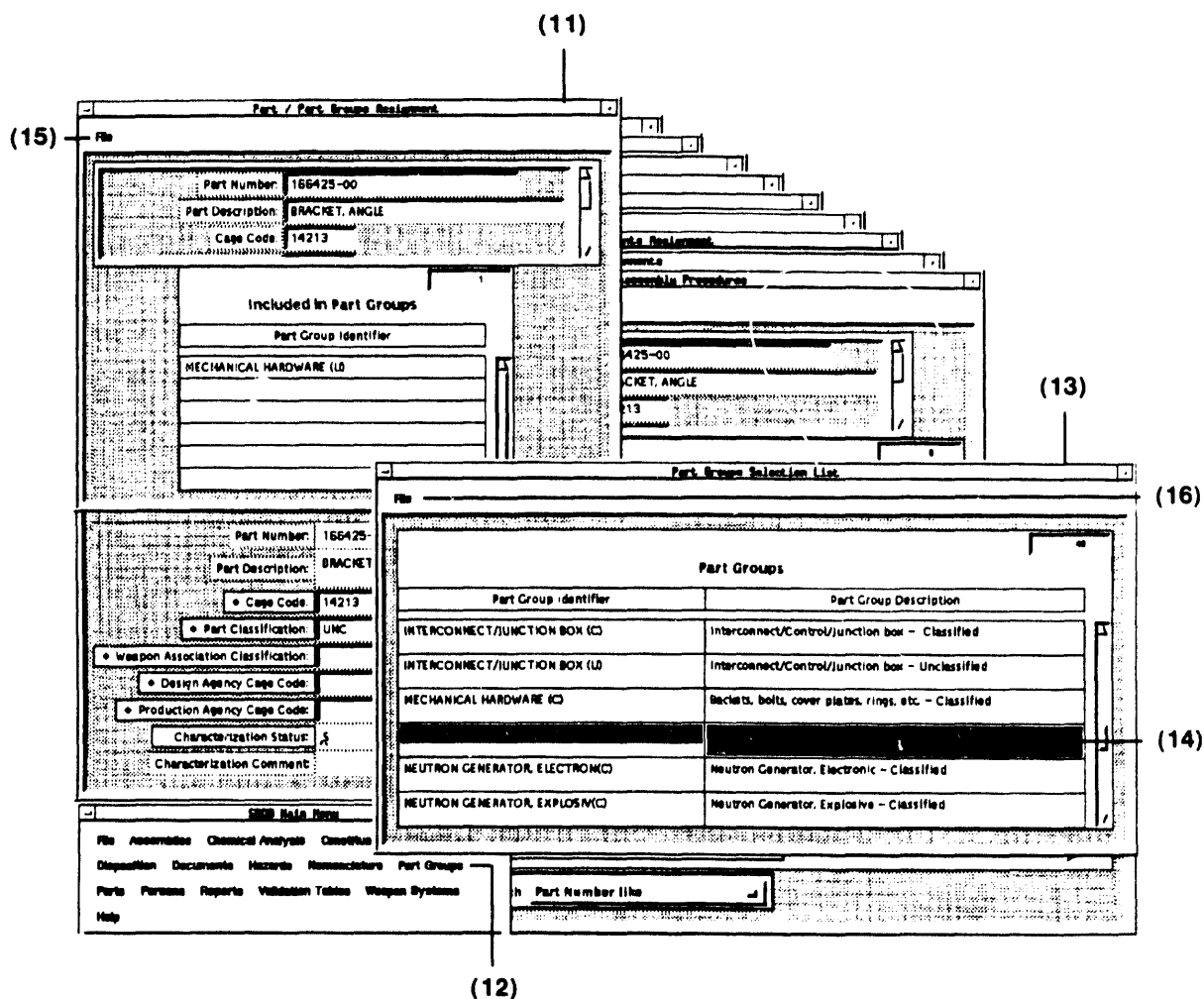
- Click on the diamond symbol in the Characterization Status box to activate the **Type Codes Selection List** window. (7)
- Position this window in a convenient location to be easily accessed. (8)



- Highlight the row labeled S. This code indicates that the characterization has started. (9)
- Select File/Close in the **Type Codes Selection List** window.
- Select File/Modify in the upper left side of the **Part (Edit)** window. These selections transfer an S to the Characterization Status column in the **Part Selection List** window. (10)

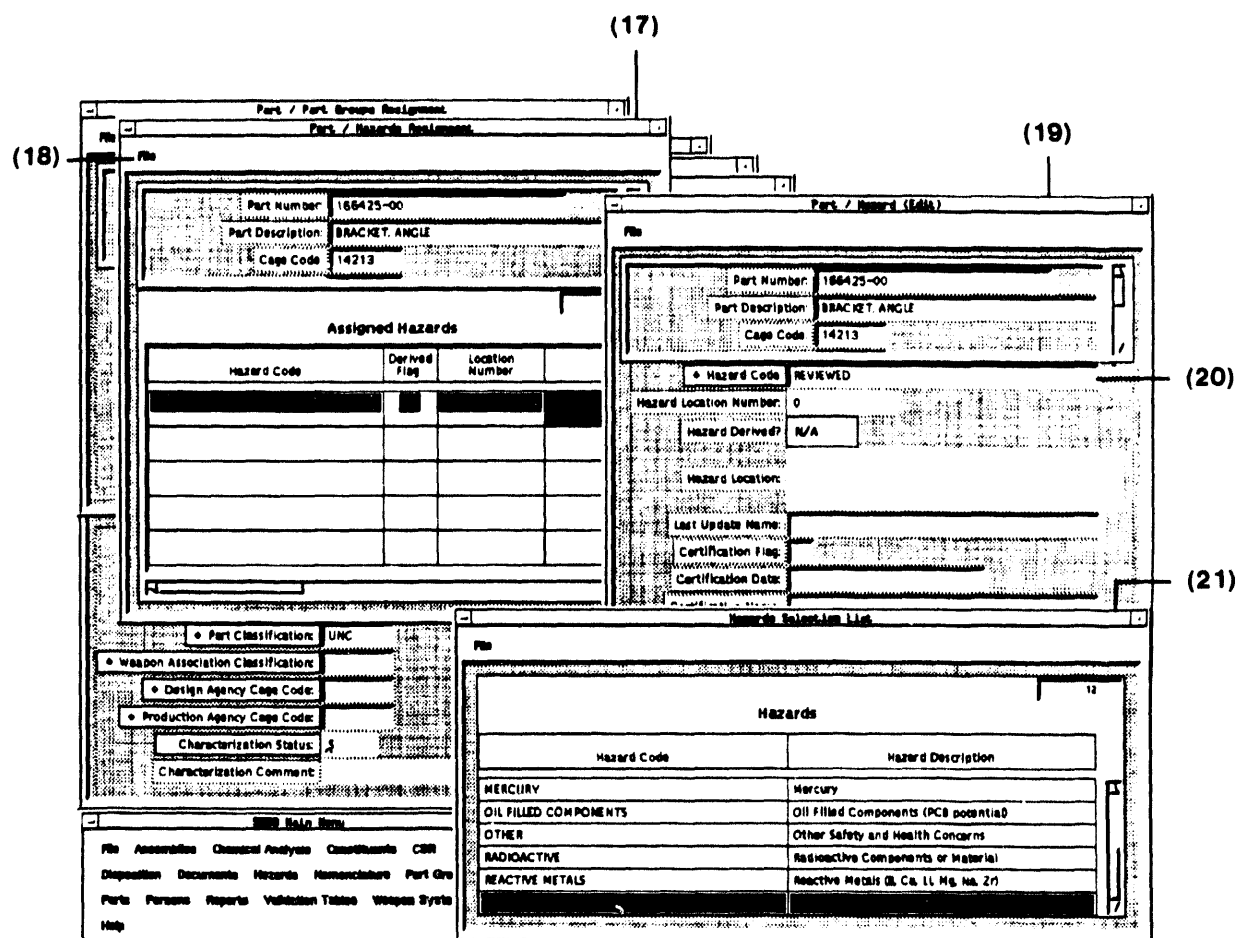
**NOTE:** If more than one part number/suffix is listed, it may be necessary to repeat Step 5.





## Part/Part Groups Assignment

- Activate the **Part/Part Groups Assignment** window by clicking on the top bar of the window in the first step of the window arrangement. (11)
- Select Part Groups/Part Groups from the **SDDB Main Menu** on the lower left side of the screen to activate the **Part Groups Selection List** window. (12)
- Position this window in a convenient location to be easily accessed. (13)
- Use the scroll bar at the right side of the window to move through the list of part groups.
- Highlight the Mechanical Hardware (U) row for the part group according to the Demilitarization and Sanitization for Disposition (DSD) General Guidance Manual (Appendix A). A line in the Part Classification of the drawing title block indicates that the classification level is unclassified. (14)
- Select File/Add in the **Part/Part Groups Assignment** window to assign the part group to the part being characterized. These selections transfer the information to the **Part/Part Groups Assignment** window. (15)
- Select File/Close in the **Part Groups Selection List** window. (16)



## Part/Hazards Assignment

The input of this information requires activity in three windows: **Part/Hazards Assignment**, **Part/Hazard (Edit)**, and **Hazards Selection List**.

- Activate the **Part/Hazards Assignment** window by clicking in the next step of the window arrangement. (17)

**NOTE:** Personnel entering the data should review the documentation package for hazards.

- Select File/Edit to activate the **Part/Hazard (Edit)** window. (18)
- Position this window in a convenient location to be easily accessed. (19)

### Hazard Code

- Click on the diamond symbol in the Hazard Code box to activate the **Hazards Selection List** window. (20)
- Position this window in a convenient location to be easily accessed. (21)
- Use the scroll bar on the right side of the window to move through the Hazards list.

**Part / Part Group Assignment**

**Part / Hazard Assignment**

**Part / Hazard (Edit)**

Part Number: 186425-00  
Part Description: BRACKET ANGLE  
Cage Code: 14213

**Assigned Hazards**

Hazard Code	Derived Flag	Location Number

**Part Classification** UMC

**Weapon Association Classifications**

**Design Agency Cage Code**

**Production Agency Cage Code**

**Characterization Status**

**Characterization Comment**

**2000 Main Menu**

File Assembly Chemical Analysis Classification CBR  
Disposition Documents Hazardous Manufacture Part Gps  
Parts Persons Reports Validation Tables Weapon System  
Help

**Hazard Selection List**

Hazard Code	Hazard Description
MERCURY	Mercury
OIL FILLED COMPONENTS	Oil Filled Components (PCB potential)
OTHER	Other Safety and Health Concerns
RADIOACTIVE	Radioactive Components or Material
REACTIVE METALS	Reactive Metals (IL, Ca, LL, Hg, Na, Zn)

**Part / Hazard (Edit)**

Hazard Code: REVIEWED  
Hazard Location Number: 0  
Hazard Derived?: N/A  
Hazard Location:  
Last Update Name:  
Certification Flag:  
Certification Date:

- Highlight REVIEWED on the Hazards list because no process will be performed on the part (Part/Part Group – DSD General Guidance Manual) and the listed hazards are not applicable for the part being addressed. This selection will show in the Hazard Code box of the **Part/Hazard (Edit)** window. (22)

#### *Hazard Derived?*

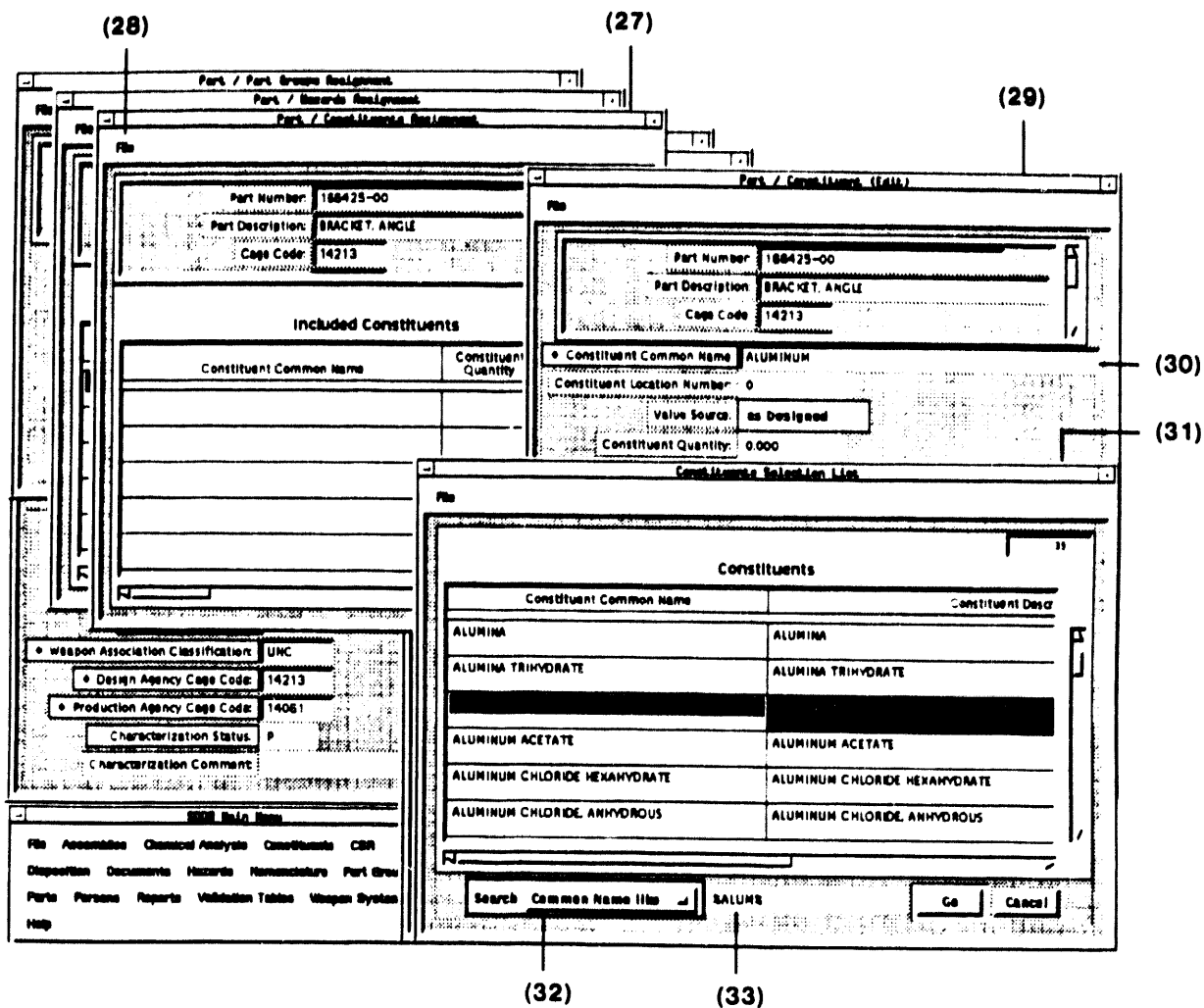
- Click N/A in the Hazard Derived box because no process will be performed and REVIEWED has been selected. (23)

#### *Hazard Location*

- The Hazard Location text box does not receive an entry when the hazard code is REVIEWED. (24)

#### *Save Entries*

- Select File/Add in the **Part/Hazard (Edit)** window to assign the part hazards to the part. These selections transfer the information to the **Part/Hazards Assignment** window. (25)
- Select File/Close in the **Part/Hazard (Edit)** window. These selections also close accessed windows. (26)

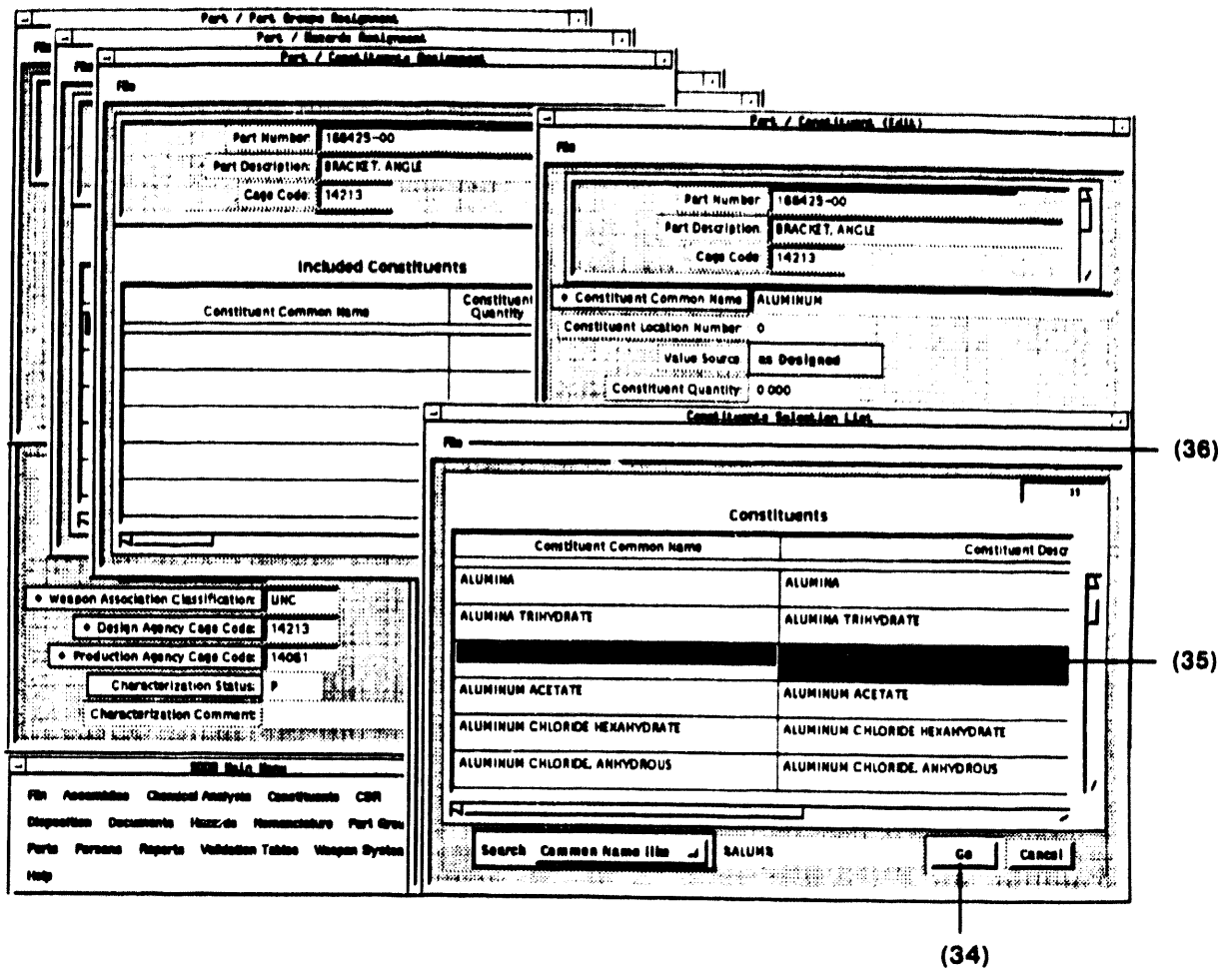


## Part/Constituents Assignment

- Activate the **Part/Constituents Assignment** window by clicking in the next step of the window arrangement. (27)
- Select File/Edit to activate the **Part/Constituent (Edit)** window. (28)
- Position this window in a convenient location to be easily accessed. (29)

### Constituent Common Name

- Click on the diamond symbol in the Constituent Common Name box to activate the **Constituents Selection List** window. (30)
- Position this window in a convenient location to be easily accessed. (31)
- Find materials that make up the part from the documents that describe the part. See the notes on Drawing 166425.
- Select Common Name Like/Common Name Like to display a text box. (32)
- Type the constituent common name for the material indicated in Note 1 (%ALUM). The % sign is a wild card character that ensures a complete list for the constituent. (33)



- Press the Return key or click the Go button in the window. A constituent list is displayed. (34)
- Use the scroll bar on the right side of the window to move through the constituents list.
- Highlight the ALUMINUM row to transfer the information to the **Part/Constituent (Edit)** window. (35)
- Select File/Close in the **Constituents Selection List** window. (36)

Part / Part Groups Assignment  
Part / Remarks Assignment  
Part / Constituents Assignment

Part / Constituent (Edit)

Part Number: 186425-00  
Part Description: BRACKET ANGLE  
Cage Code: 14213

Included Constituents

Constituent Common Name	Constituent Quantity

Weapon Association Classification: UNC  
Design Agency Code Code: 14213  
Production Agency Code Code: 14081  
Characterization Status: P  
Characterization Comment:  

Part / Constituent (Edit)

Part Number: 186425-00  
Part Description: BRACKET ANGLE  
Cage Code: 14213

Constituent Common Name: ALUMINUM  
Constituent Location Number: 0  
Value Source: as Designed  
Constituent Quantity: 0.000  
Units:  

Constituent Location:  

Part Constituent Comment: 6061-T6 PER QQ-A-270 ANODIZED PER MIL-A-8625, TYPE I OR II

Last Update Name: Rosemarie Ream  
Certification Flag:    
Certification Date:    
Certification Name:  

Certify Data for Transmissions: Null

File Assembly Chemical Analysis Characteristics CBR  
Disposition Documents Remarks Remanufacture Part Groups  
Parts Personnel Reports Validation Tables Weapon System  
Help

Search Part Number like

### Constituent Quantity and Units

- Since the quantity of the constituent material is not readily available, leave the Quantity and Units text boxes blank. (37)

### Constituent Location

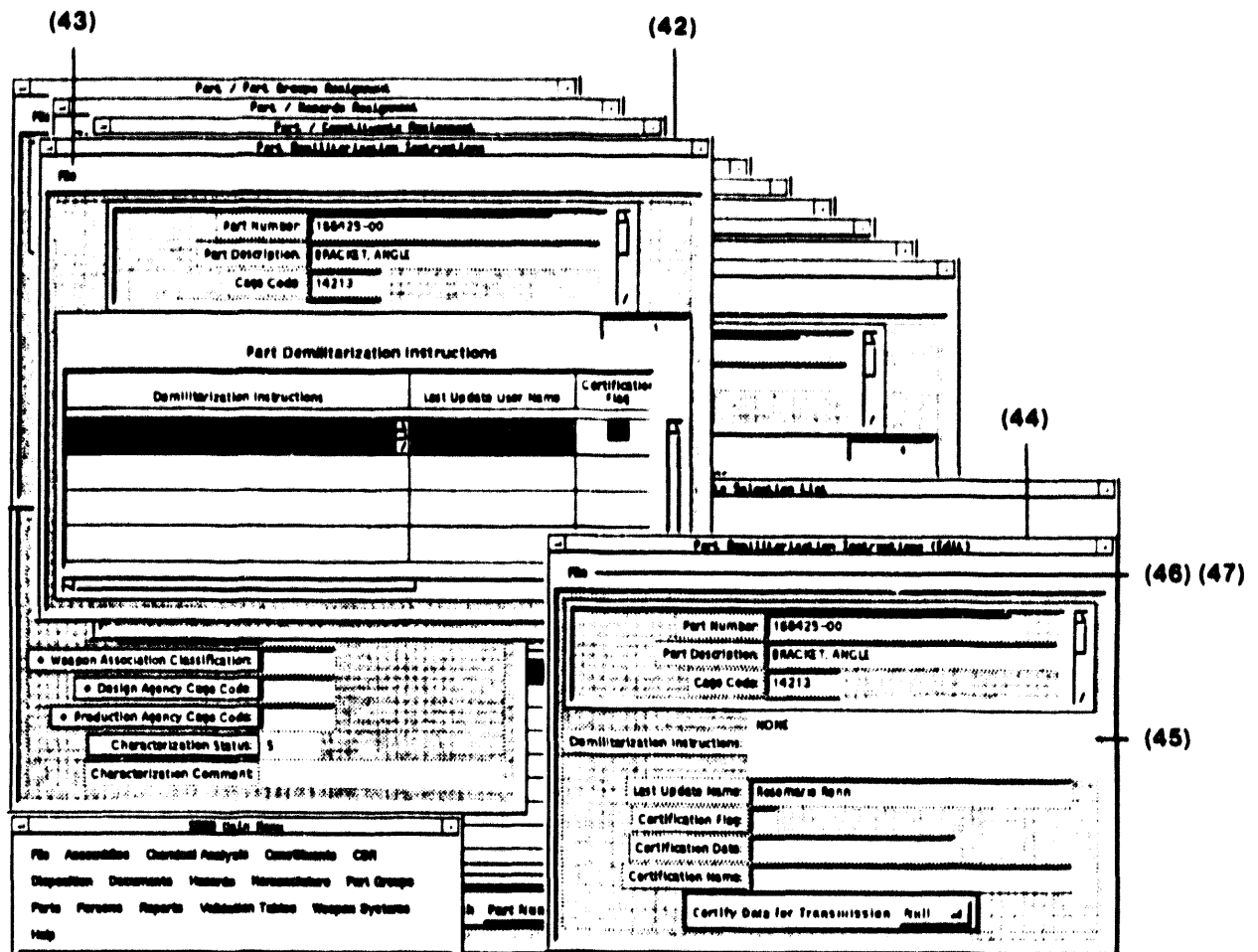
- The Constituent Location text box does not need an entry when the constituent applies to the whole part or a majority of the part. (38)

### Part Constituent Comment

- Click in the Part Constituent Comment text box. Type the material specification from Note 1 (6061-T6 PER QQ-A-270). Type the chemical process and applicable specification from Note 4 (ANODIZED PER MIL-A-8625, TYPE I OR II). (39)

### Save Entries

- Select File/Add to transfer the information to the **Part/Constituents Assignment** window. (40)
- Select File/Close in the **Part/Constituent (Edit)** window. (41)



## Part Demilitarization Instructions

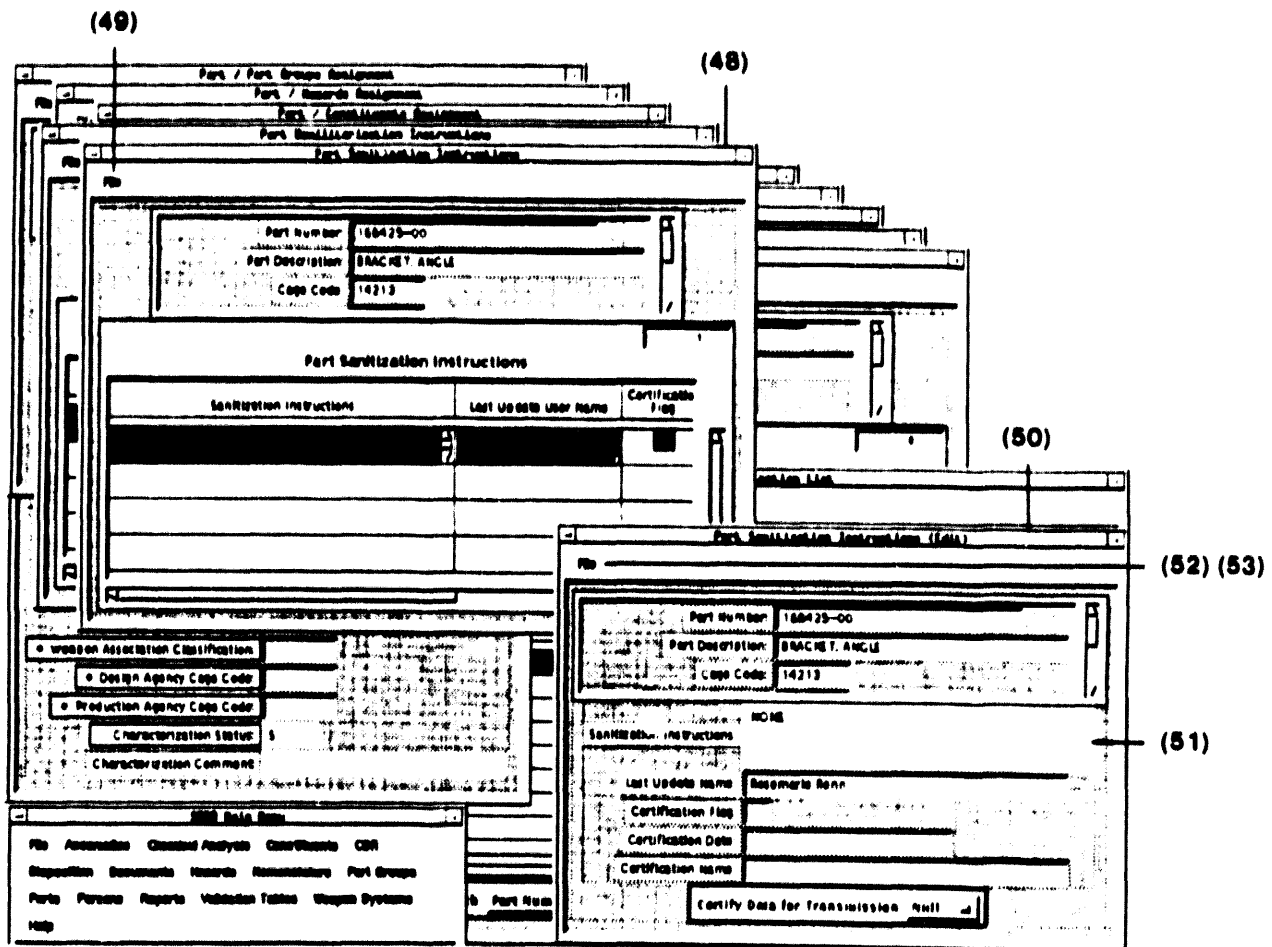
- Activate the **Part Demilitarization Instructions** window by clicking in the next step of the window arrangement. (42)
- Select File/Edit to activate the **Part Demilitarization Instructions (Edit)** window. (43)
- Position this window in a convenient location to be easily accessed. (44)

### Demilitarization Instructions

- Refer to the DSD General Guidance Manual to determine if demilitarization is required for the Part Group that has been assigned to the part being characterized.
- Click in the Demilitarization Instructions text box. Type NONE because demilitarization is not required for mechanical hardware. (45)

### Save Entries

- Select File/Add to transfer the information to the **Part Demilitarization Instructions** window. (46)
- Select File/Close in the **Part Demilitarization Instructions (Edit)** window. (47)



## Part Sanitization Instructions

- Activate the **Part Sanitization Instructions** window by clicking in the next step of the window arrangement. (48)
- Select File/Edit to activate the **Part Sanitization Instructions (Edit)** window. (49)
- Position this window in a convenient location to be easily accessed. (50)

**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

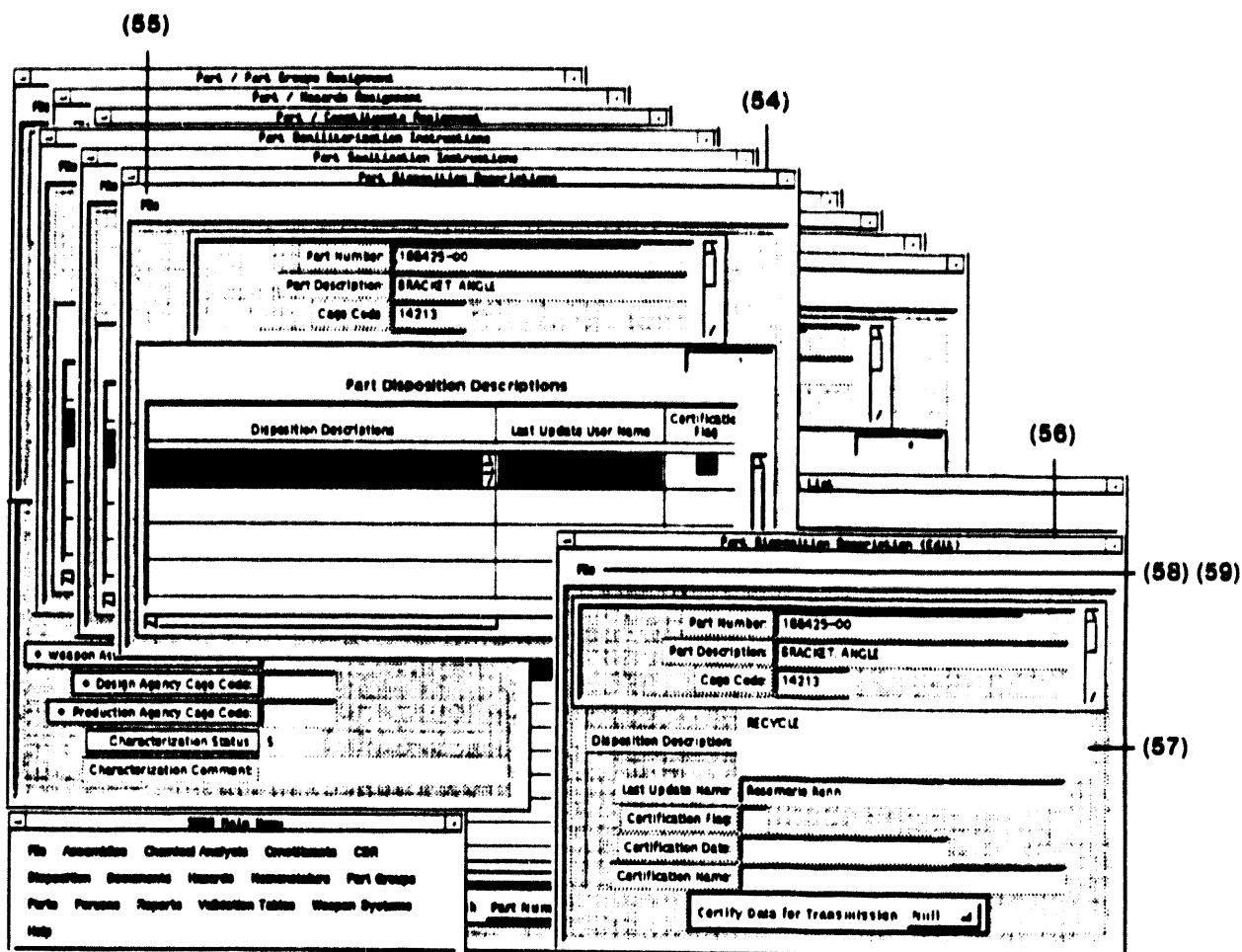
### Sanitization Instructions

- Click in the Sanitization Instructions text box. Type NONE because a line in the part classification of the title block indicates that the classification level is unclassified. (51)

### Save Entries

- Select File/Add in the **Part Sanitization Instructions (Edit)** window to transfer the information to the **Part Sanitization Instructions** window. (52)
- Select File/Close in the **Part Sanitization Instructions (Edit)** window. (53)





## Part Disposition Descriptions

- Activate the **Part Disposition Descriptions** window by clicking in the next step of the window arrangement. (54)
- Select File/Edit to activate the **Part Disposition Description (Edit)** window. (55)
- Position this window in a convenient location to be easily accessed. (56)

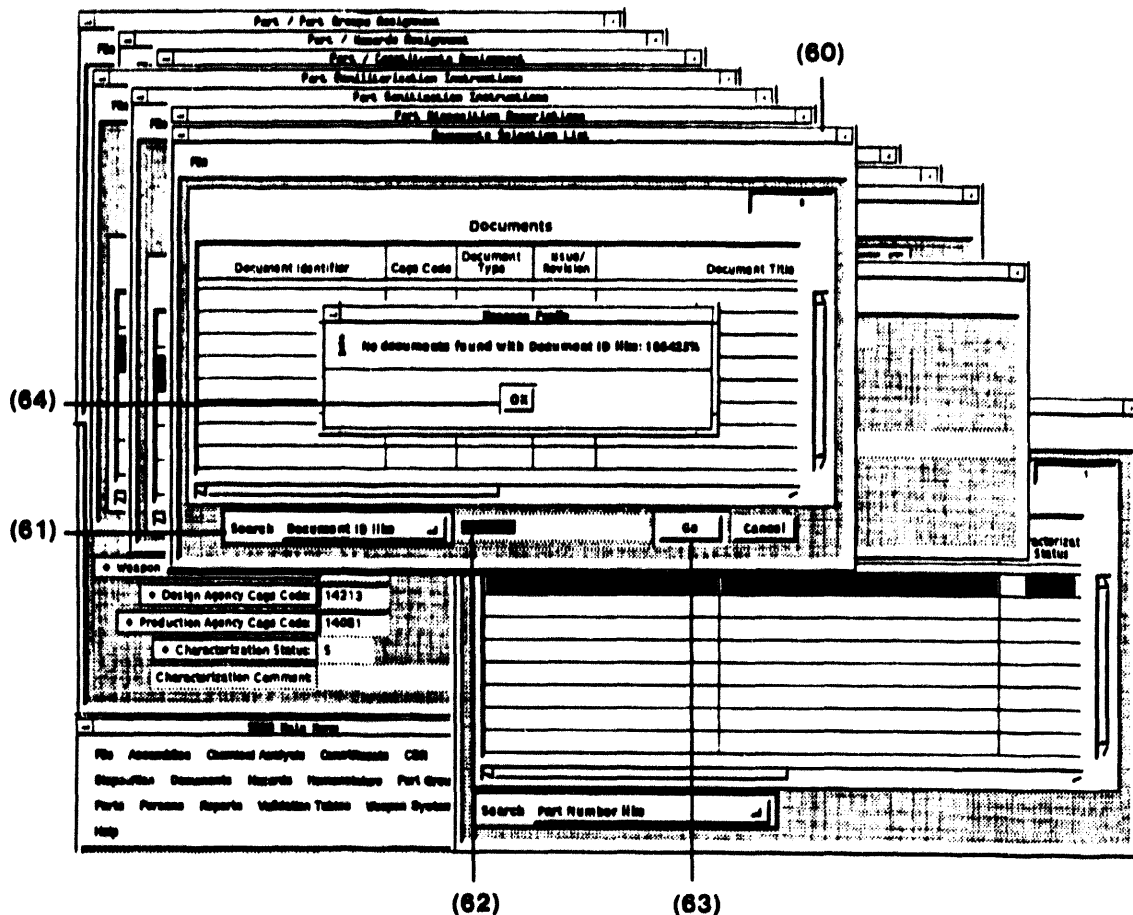
### Disposition Descriptions

Recycling of metal parts, when possible, meets waste minimization criteria.

- Click in the Disposition Description text box. Type RECYCLE. (57)

### Save Entries

- Select File/Add to transfer the information to the **Part Disposition Descriptions** window. (58)
- Select File/Close in the **Part Disposition Description (Edit)** window. (59)



## Documents

- Activate the **Documents Selection List** window by clicking in the next step of the file arrangement. (60)

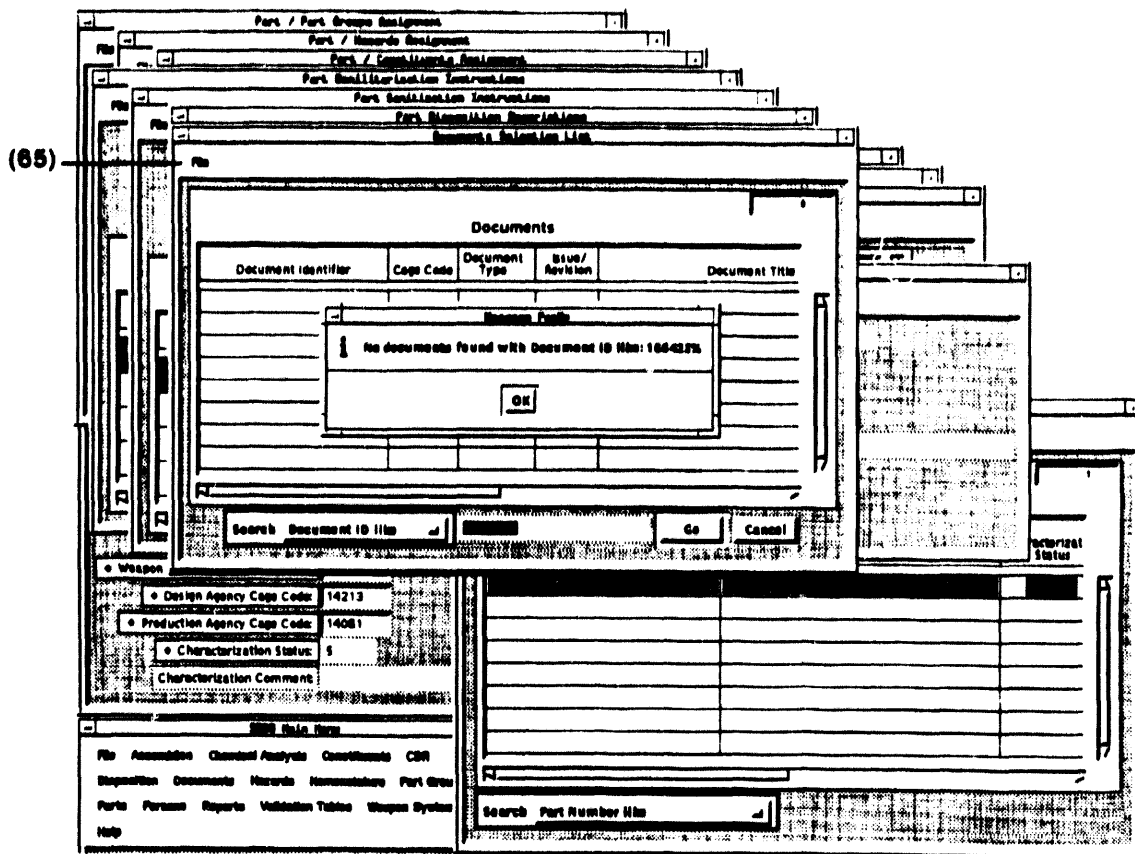
**NOTE:** This is a list of all documents in the database. Add the documents that have provided characterization data to this section. Fill in all information blocks. This input requires activity in several documents windows.

### Document Search

- Select Document ID Like/Document ID Like to display a text box. (61)

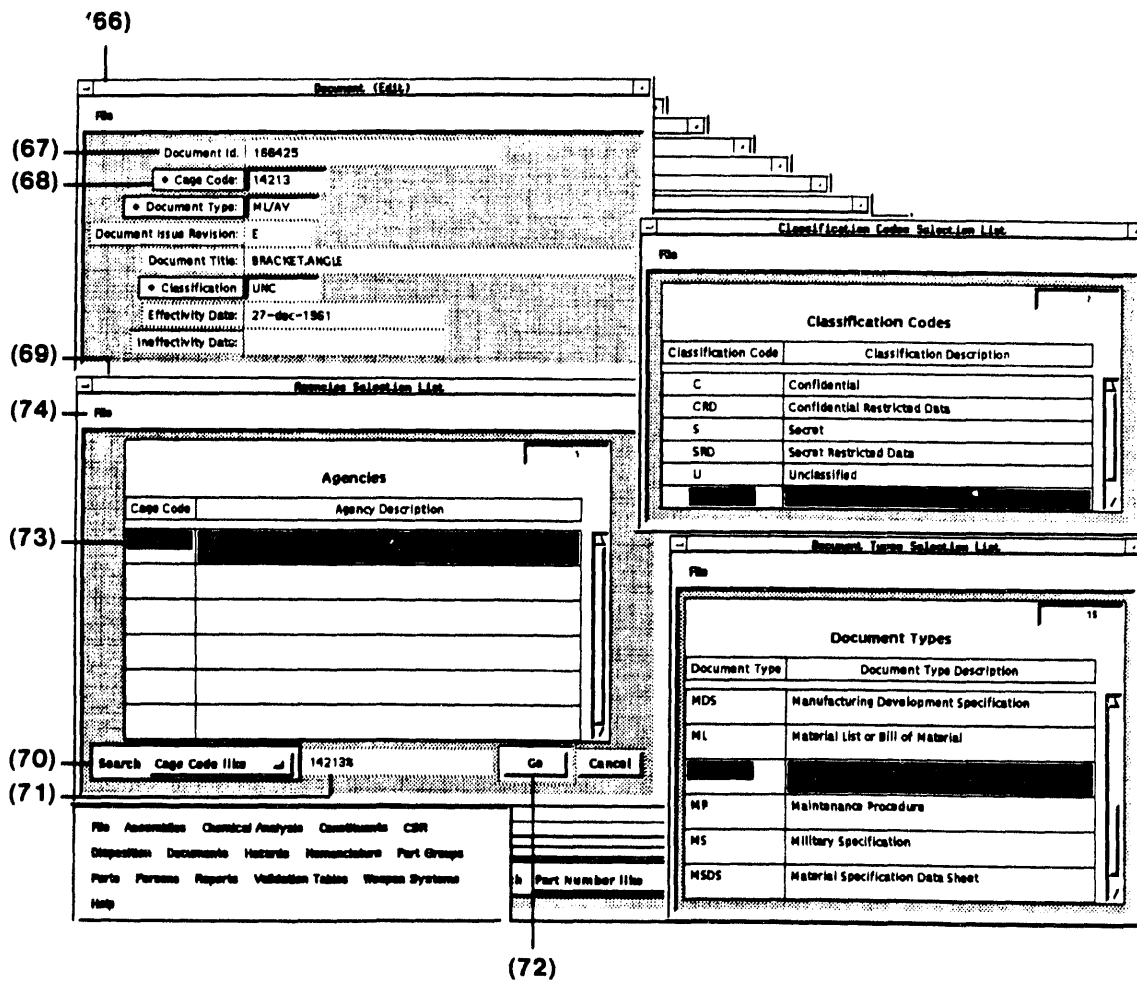
**CAUTION:** A document will not appear in the Document Identifier list until it is searched for the first time, even though it may be in the database.

- Type Document Identifier/Drawing Number from the document package. (62)
- Press the Return key or click the Go button in the window. (63)
- If the document is found, highlight the appropriate row and proceed directly to Step 88.
- If the document is not found, click OK. (64)



### Document Entry

- Select File/Edit in the **Documents Selection List** window to activate the **Document (Edit)** window. (65)



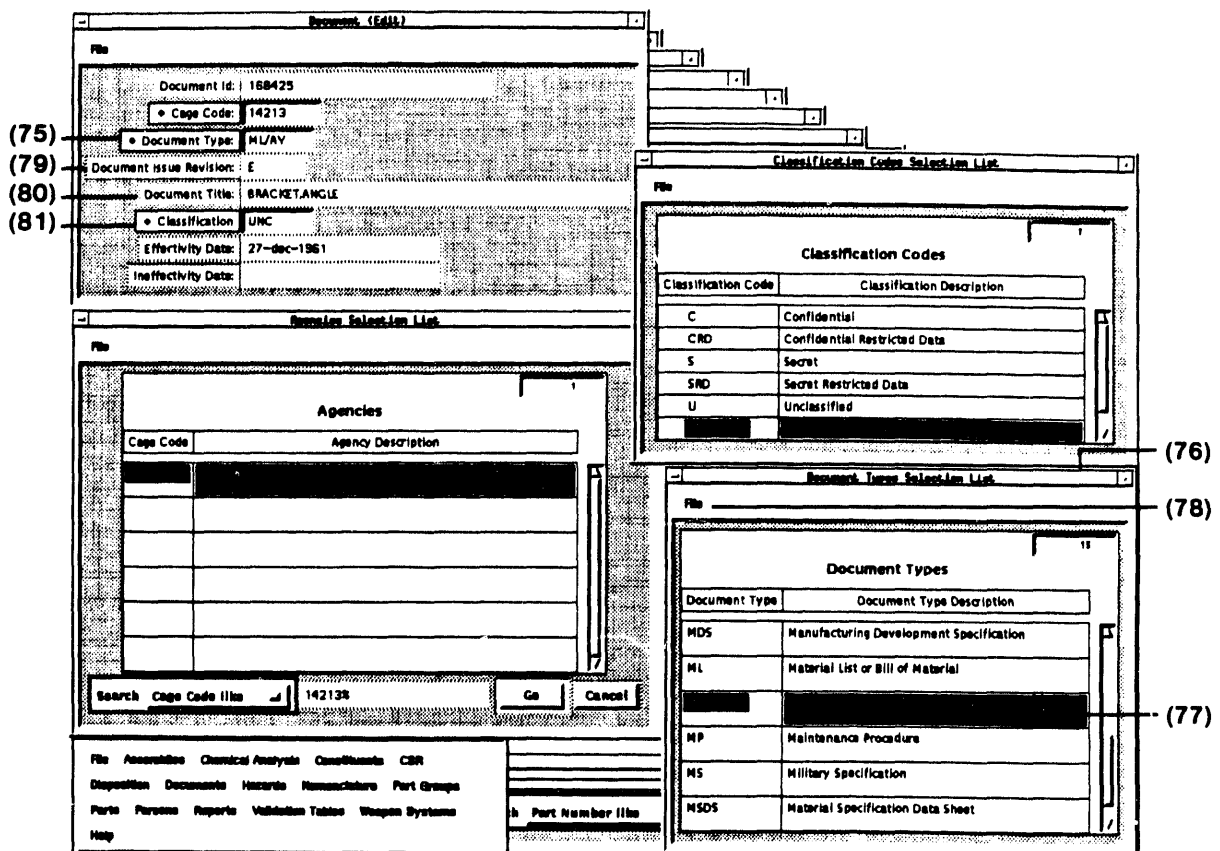
- Position the window in a convenient location to be easily accessed. (66)

#### Document ID

- Click in the Document ID text box in the **Document (Edit)** window. Type the Drawing Number (166425) from the drawing title block. (67)

#### Cage Code

- Click on the diamond symbol in the Cage Code box to activate the **Agencies Selection List** window. (68)
- Position this window in a convenient location to be easily accessed. (69)
- Select Cage Code Like/Cage Code Like to display a text box. (70)
- Type 14213 for Sandia National Laboratories, Albuquerque. (71)
- Press the Return key or click the Go button in the window. A Cage Codes and Agency Descriptions list is displayed. (72)
- Highlight the appropriate row to transfer the code number to the **Document (Edit)** window. (73)
- Select File/Close in the **Agencies Selection List** window. (74)



### Document Types

- Click the diamond symbol in the Document Type box to activate the **Document Types Selection List** window. (75)
- Position this window in a convenient location to be easily accessed. (76)
- Use the scroll bar at the right side of the window to move through the list of document types.
- Highlight the ML/AY row because this drawing combines graphic and material information. This selection transfers the information to the **Document (Edit)** window. (77)
- Select File/Close in the **Document Types Selection List** window. (78)

### Document Issue Revision

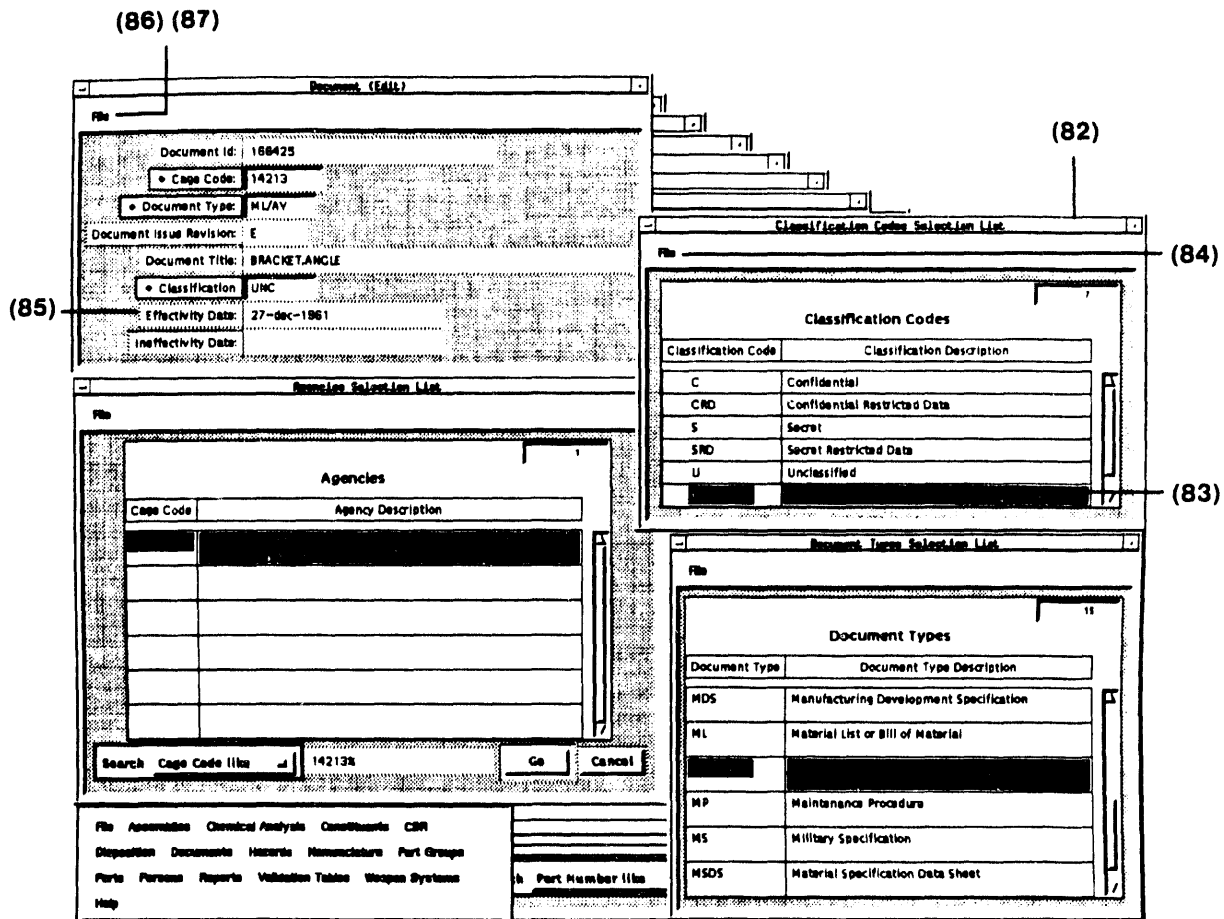
- Click in the Document Issue Revision text box in the **Document (Edit)** window. Type the latest issue (E) from the revision block on the document. (79)

### Document Title

- Click in the Document Title text box. Type the title (BRACKET,ANGLE) from the title block on the document. (80)

### Classification

- Click the diamond symbol in the Classification box to activate the **Classification Codes Selection List** window. (81)



- Position this window in a convenient location to be easily accessed. (82)
- Determine the document classification from information on the title block of the document.
- Highlight the UNC row because a line in the drawing classification of the title block indicates that the classification level is unclassified. This selection transfers the information to the **Document (Edit)** window. (83)
- Select File/Close in the **Classification Codes Selection List** window. (84)

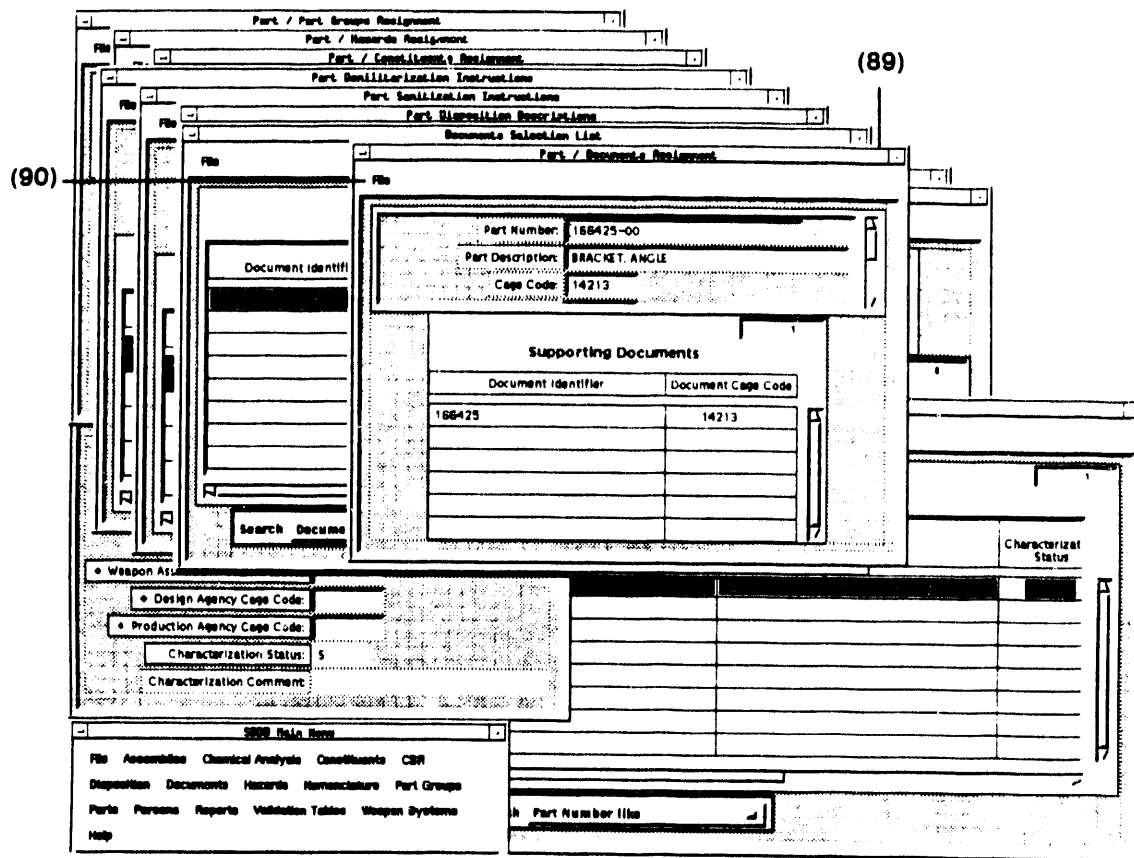
#### *Effectivity Date*

- Click in the Effectivity Date text box. Type the origination date for issue E from the revision block of the document (12-27-61 or 12/27/61). The computer changes the entry to the desired format. (85)

#### *Save Entries*

- Select File/Add in the **Document (Edit)** window to transfer the information to the **Documents Selection List** window. (86)
- Select File/Close in the **Document (Edit)** window. (87)





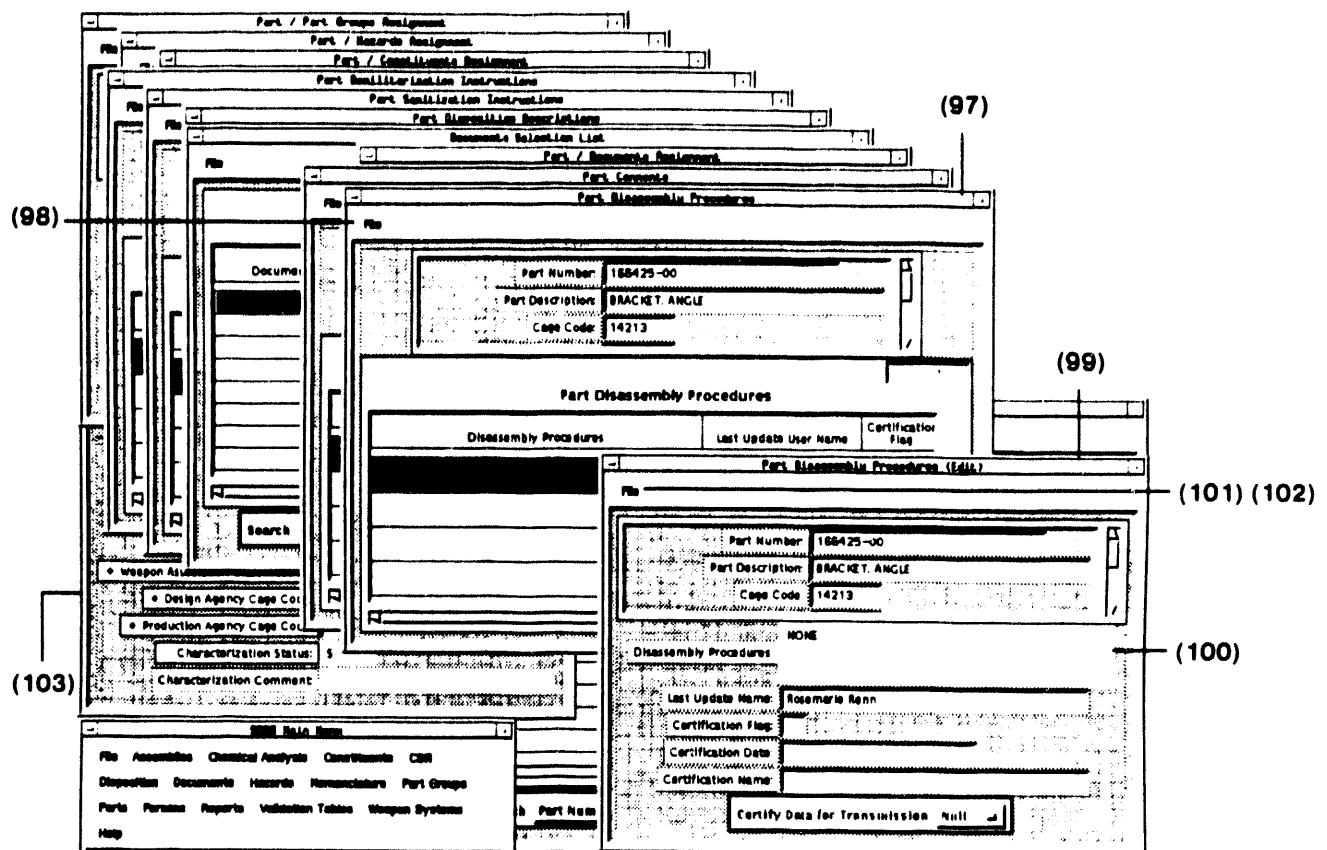
## Part/Documents Assignment

- Activate the **Part/Documents Assignment** window by clicking in the next step of the window arrangement. (89)
- Select File/Add to assign the document highlighted in the **Documents Selection List** window to the part being characterized. The document will be listed in the Supporting Documents list of the **Part/Documents Assignment** window. (90)

Repeat Steps 61 through 90 as many times as necessary to list all documents that provided characterization data.







## Part Disassembly Procedures

- Activate the **Part Disassembly Procedures** window by clicking in the next step of the window arrangement. (97)
- Select File/Edit to activate the **Part Disassembly Procedures (Edit)** window. (98)
- Position the window in a convenient location to be easily accessed. (99)

### Disassembly Procedures

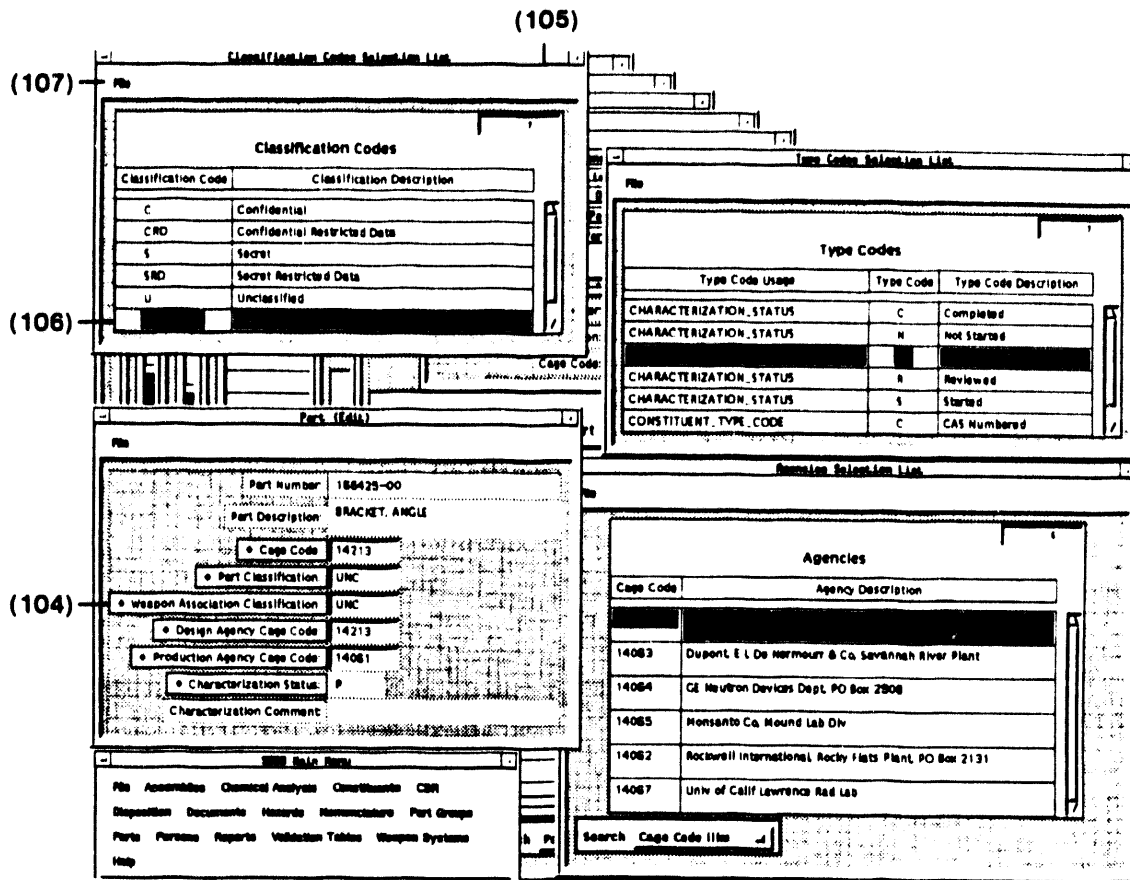
- Click in the Disassembly Procedures text box. Type NONE. (100)

### Save Entries

- Select File/Add to transfer the information to the **Part Disassembly Procedures** window. (101)
- Select File/Close in the **Part Disassembly Procedures (Edit)** window. (102)

## Part (Edit)

- Activate the **Part (Edit)** window by clicking on the outline of the window located above the **SDDB Main Menu**. (103)



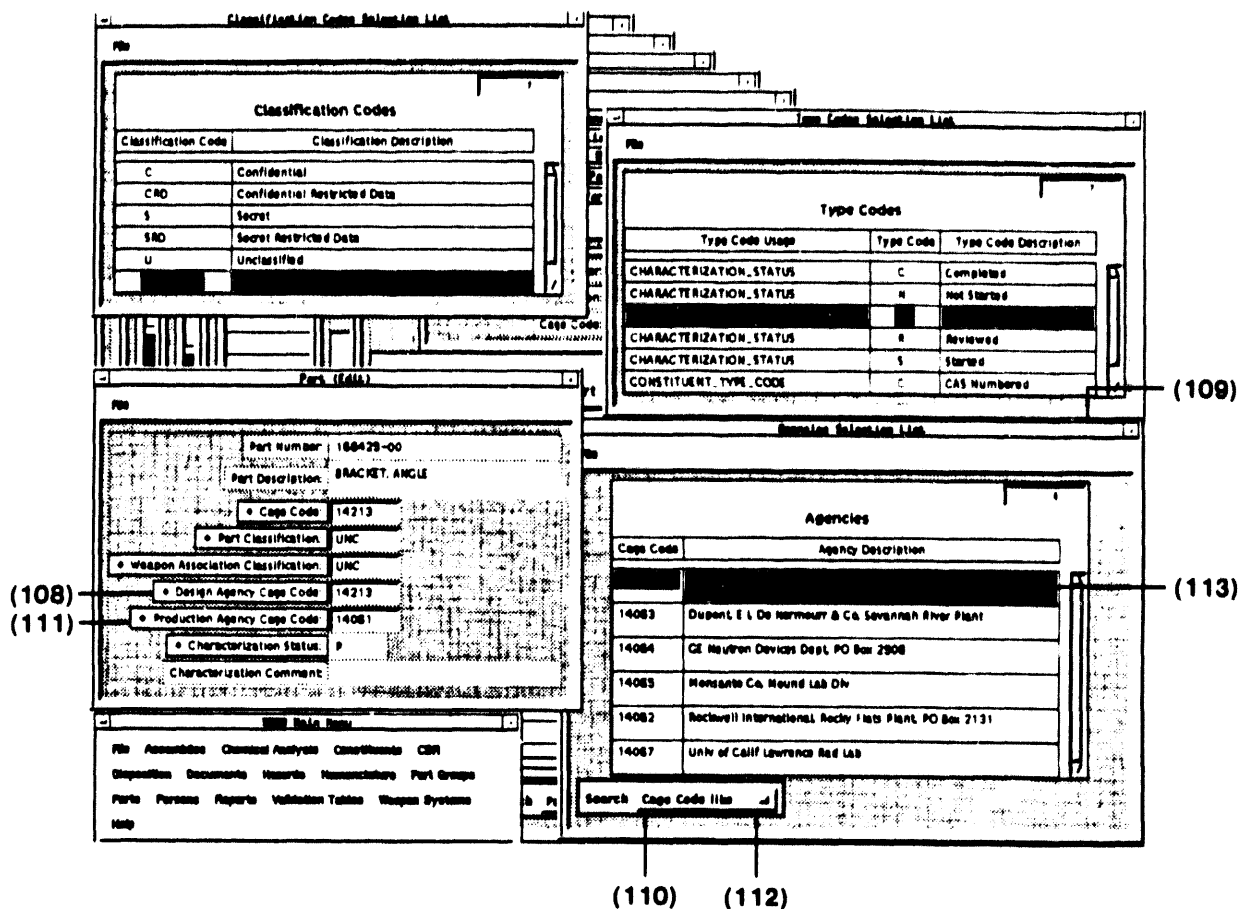
#### Part Number, Description, Cage Code, Part Classification

- Verify information for these text boxes with the document package and modify as appropriate.

**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

#### Weapon Association Classification

- Click on the diamond symbol in the Weapon Association Classification box to activate the **Classification Codes Selection List** window. (104)
- Position the window in a convenient location to be easily accessed. (105)
- Highlight the UNC row for the classification code to transfer the information to the **Part (Edit)** window. (106)
- Select File/Close in the **Classification Codes Selection List** window. (107)

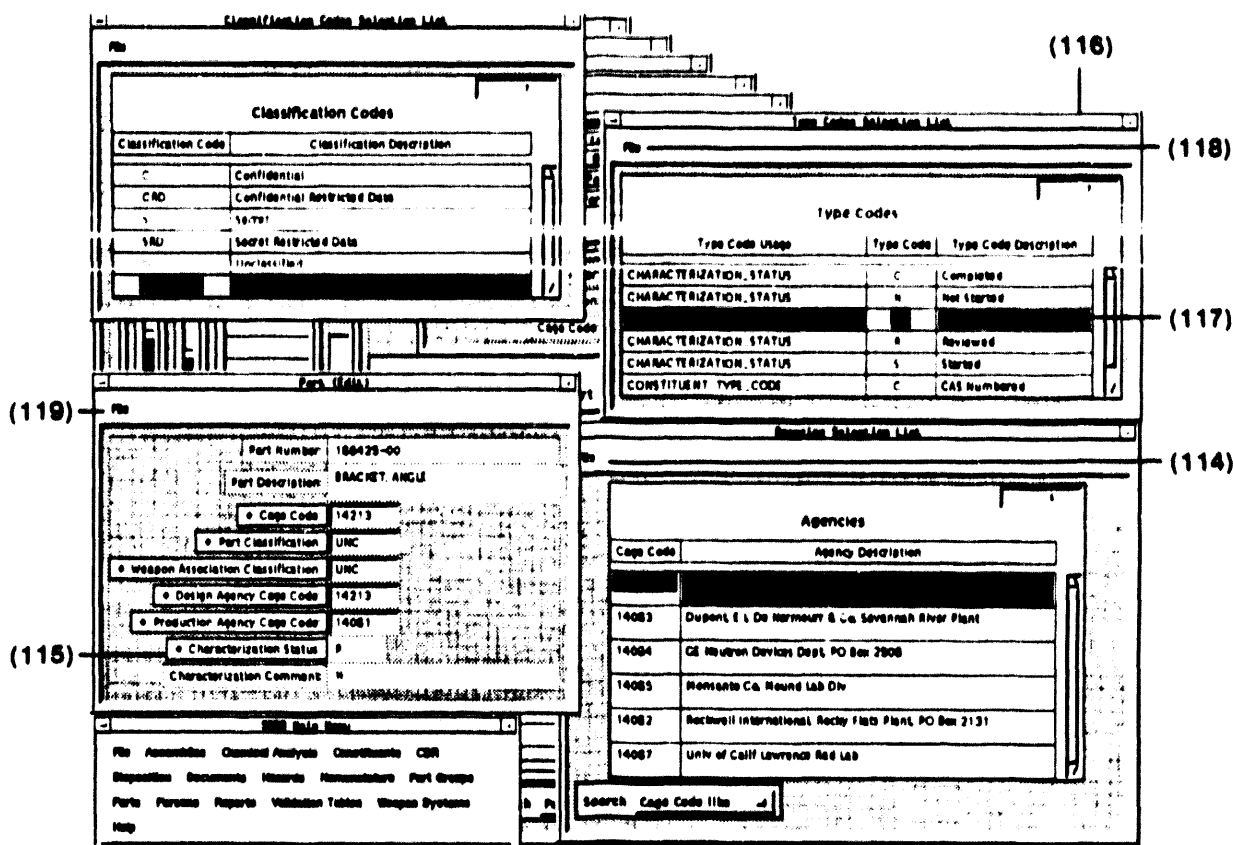


### Design Agency Cage Code

- Click on the diamond symbol in the Design Agency Cage Code box to activate the **Agencies Selection List** window.) (108)
- Position the window in a convenient location to be easily accessed. (109)
- Select Cage Code Like/Cage Code Like to display a text box. (110)
- Type the code identification of the design agency (14213).
- Press the Return key or click the Go button in the window. A Cage Codes and Agency Descriptions list is displayed.
- Highlight the 14213 row to transfer the code number to the **Part (Edit)** window.

### Production Agency Cage Code

- Click on the diamond symbol in the Production Agency Cage Code box to activate the **Agencies Selection List** window. (111)
- Select Cage Code Like/Cage Code Like to display a text box. (112)
- Type the code identification of the production agency (14061).
- Press the Return key or click the Go button in the window. A Cage Codes and Agency Descriptions list is displayed.
- Highlight the 14061 row to transfer the code number to the **Part (Edit)** window. (113)



- Select File/Close in the **Agencies Selection List** window. (114)

#### *Characterization Status*

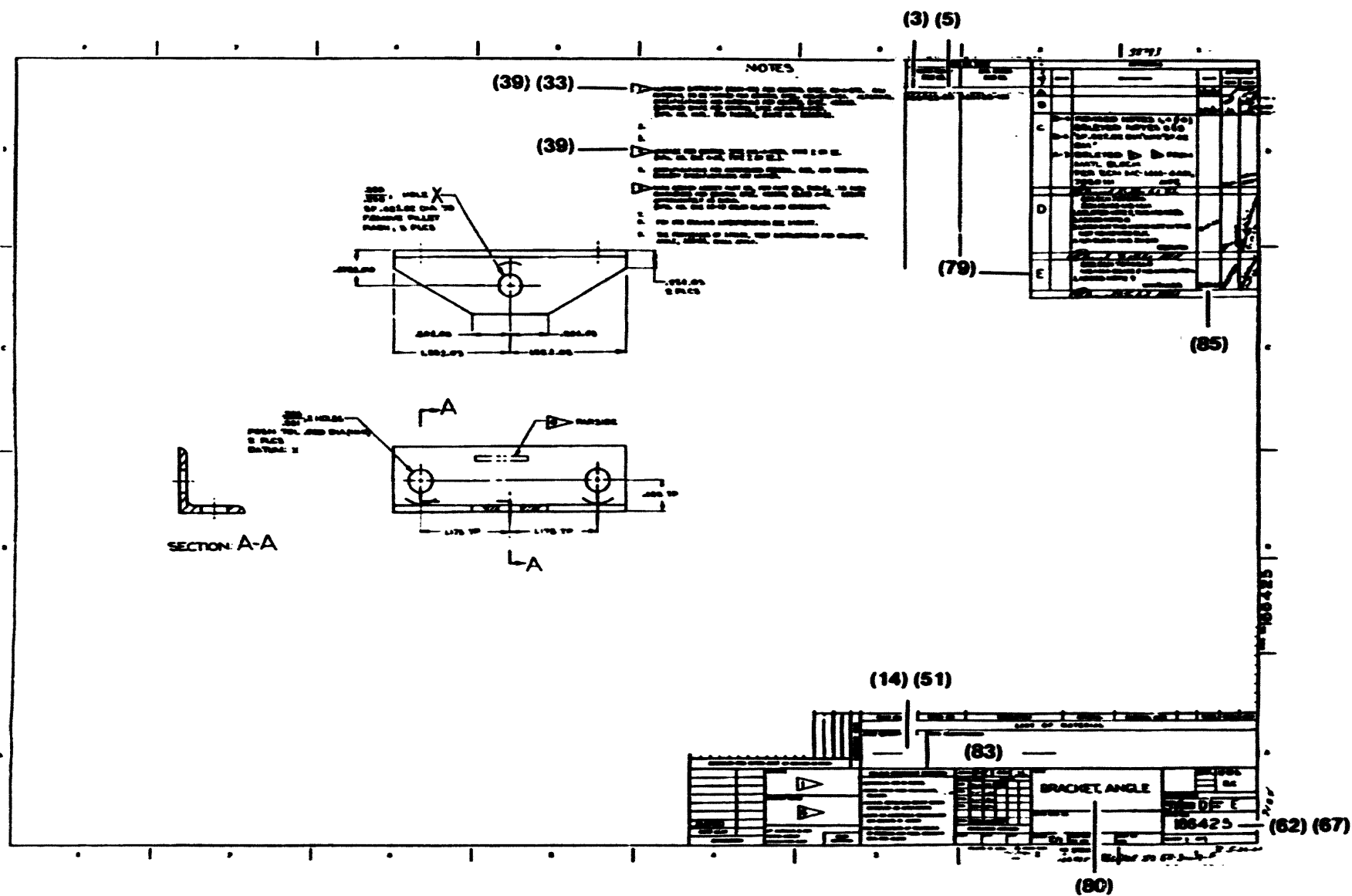
- Click on the diamond symbol in the Characterization Status box to activate the **Type Codes Selection List** window. (115)
- Position this window in a convenient location to be easily accessed. (116)
- Highlight the row labeled P. This code indicates that the characterization is partially complete. It also indicates that the characterization is ready for review and Internal QA/QC. (117)
- Select File/Close in the **Type Codes Selection List** window. (118)

#### *Characterization Comment*

- Click in the Characterization Comment text box. Type N because the part does not need to be returned from DoD custody.

#### *Save Entries*

- Select File/Modify to transfer the information to the **Parts Selection List** window. (119)



# NOTES

- ALUMINUM EXTRUSION (6061-T6) PER CONTROL SPEC. 00-4-270. MAX MATERIAL TO BE MARKED PER CONTROL SPEC. MIL-STD-194. ALTERNATE SPECIFICATIONS AND MATERIALS PER CONTROL SPEC. 400063. EXTRUSION SHAPE PER CONTROL SPEC. 4000133-0702. (MFG. NO. MATL. STD 7420083, SHAPE NO. 3000612).
- MARKING PER CONTROL SPEC MIL-4-8025, TYPE I OR II. (MFG. NO. SEC 4-25, TYPE I OR II.).
- CERTIFICATIONS PER REFERENCED FEDERAL, DOD, AND TECHNICAL SOCIETY SPECIFICATIONS ARE WAIVED.
- MARK DESIGN AGENCY PART NO. PER PART NO. TABLE. .12 INCH CHARACTERISTICS PER CONTROL SPEC. 400079, CLASS A-11. LOCATE APPROPRIATELY AS SHOWN. (MFG. NO. SEC 19-13 COLOR BLACK AND CONFORMANT).
- FOR USE SHOWING INTERPRETATION SEE 1438102.
- THE PROVISIONS OF 173113, REST INSTRUCTIONS PER BRACKET, ANGLE, 166425, SHALL APPLY.

(3) (5)

(39) (33)

(79)

(85)

38793

REV	DATE	BY	APP	DESCRIPTION
1	1/1/74	JH		REVISED NOTES 1, 4 & 6; DELETED NOTES 2 & 3
2	2/1/74	JH		DELETED NOTE 7, THIS ARE REGR CLAIMED OUT THE WORD NOT IN THE NOT REVIEWED BLK A NEW BLOCK WAS 31219 CZERNIA
3	3/1/74	JH		SEE ECN 7070569 MC-1414-22402 / MC-HAITE-17794 LADED NOTE 9 WHITAKER

REV	DATE	BY	APP	DESCRIPTION
1	1/1/74	JH		REVISED NOTES 1, 4 & 6; DELETED NOTES 2 & 3
2	2/1/74	JH		DELETED NOTE 7, THIS ARE REGR CLAIMED OUT THE WORD NOT IN THE NOT REVIEWED BLK A NEW BLOCK WAS 31219 CZERNIA
3	3/1/74	JH		SEE ECN 7070569 MC-1414-22402 / MC-HAITE-17794 LADED NOTE 9 WHITAKER

[illegible]



## **Procedures for Characterization/Data Entry of Simple Parts**

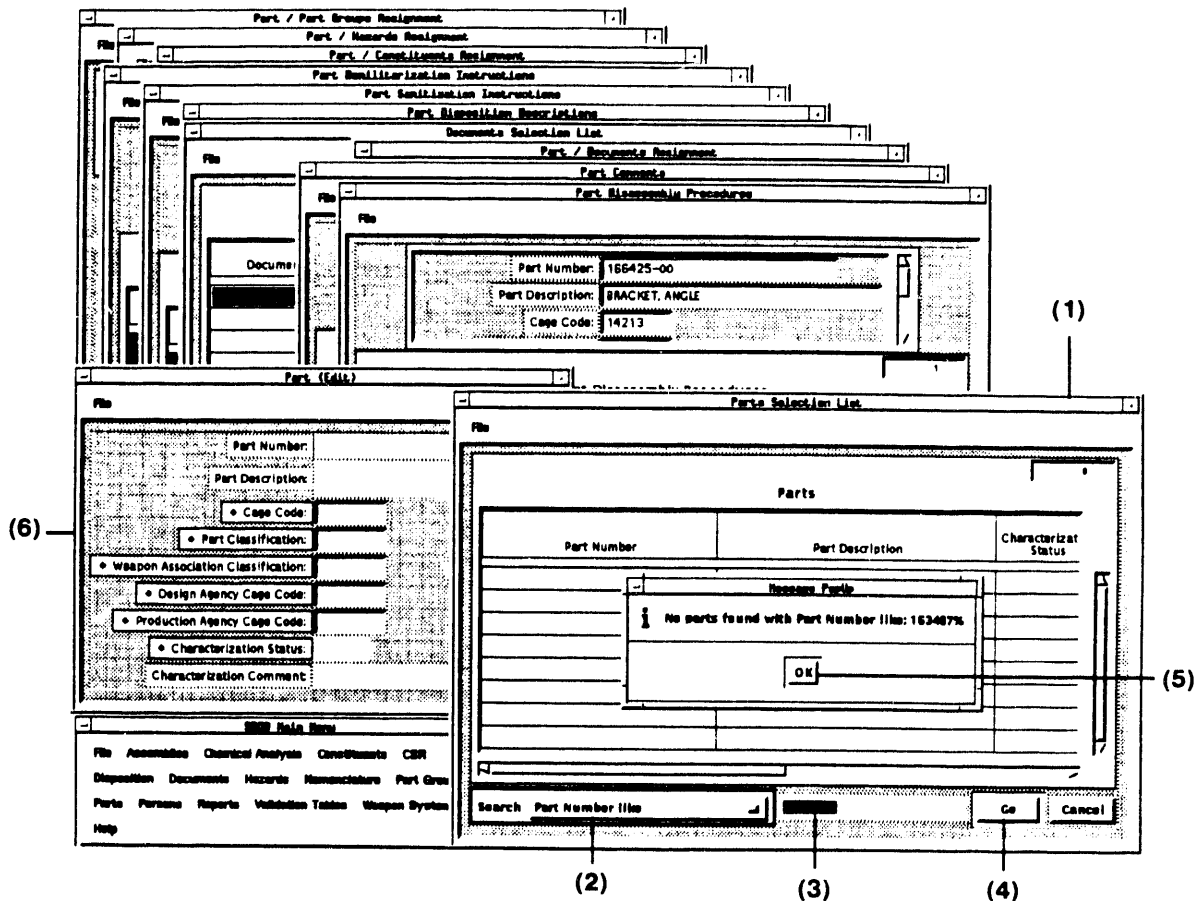
### **Example 2**

Part Number 163407-00 for a rubber seal describes a landfill item. Material List (ML) 163407 is provided, at the end of this section, with corresponding callouts that show where to get the information for data entry.

**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

Refer to the Log-in Procedure in the General Section to log in and to set up the window arrangement from the **SDDB Main Menu**.

**NOTE:** The top bar of the active window is a different color or shade from the inactive windows.

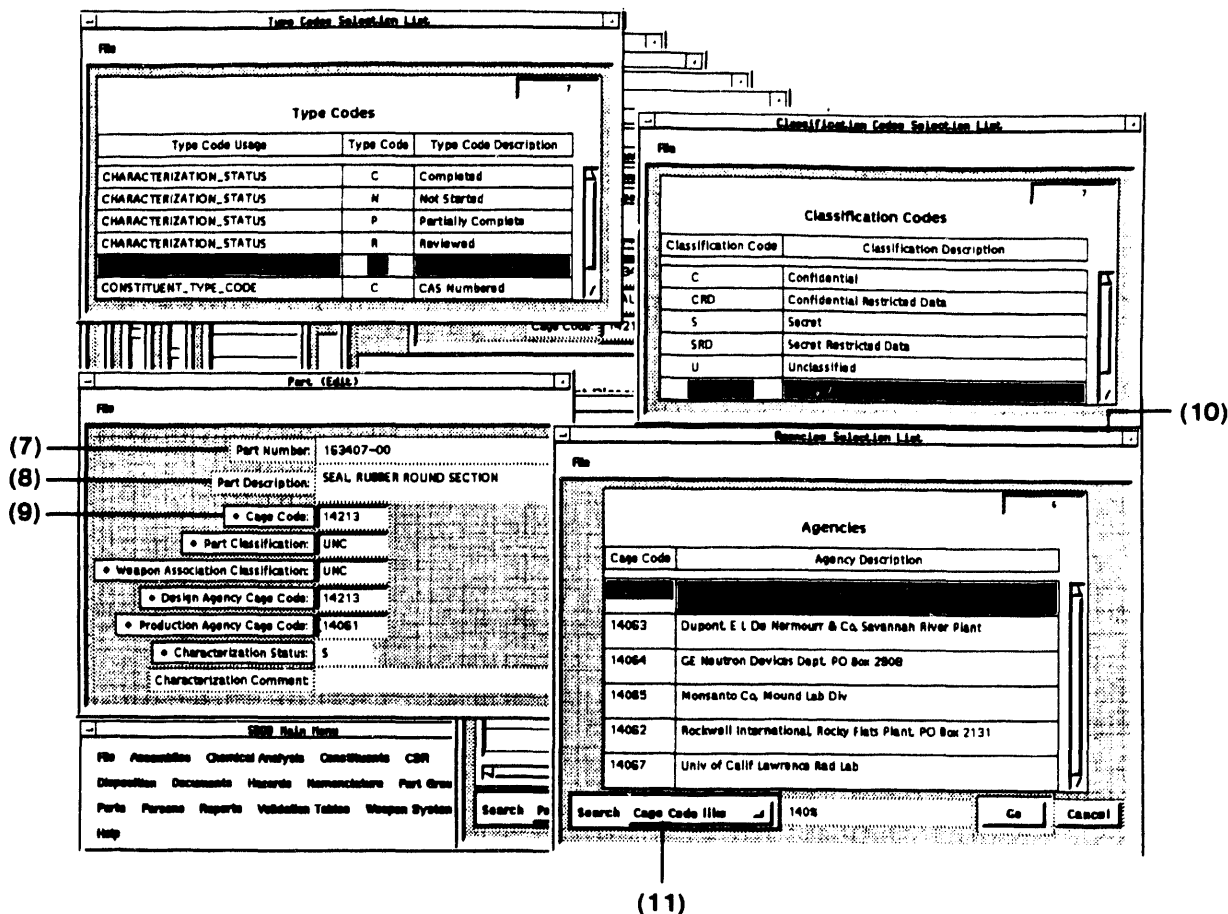


## Parts Selection List

- Activate the **Parts Selection List** window by clicking on the top bar of the window, located at the lower right side of the screen. (1)
- Select Part Number Like/Part Number Like at the bottom of the window to display a text box. (2)
- Type the six-digit portion of the part number to be characterized (163407) as it appears in the Design Agency Part Number column on the ML. (3)
- Press the Return key or click the Go button in the window. A parts list is displayed. (4)
- Click OK to acknowledge that 163407 could not be found. The part needs to be added to the Parts Selection List by following Steps 6 through 32. (5)

## Part (Edit)

- Activate the **Part (Edit)** window by clicking on the outline of the window located above the SDDDB Main Menu. (6)



### Part Number

- Click in the Part Number text box. Type the Design Agency Part Number (163407-00) as it appears on the ML. (7)

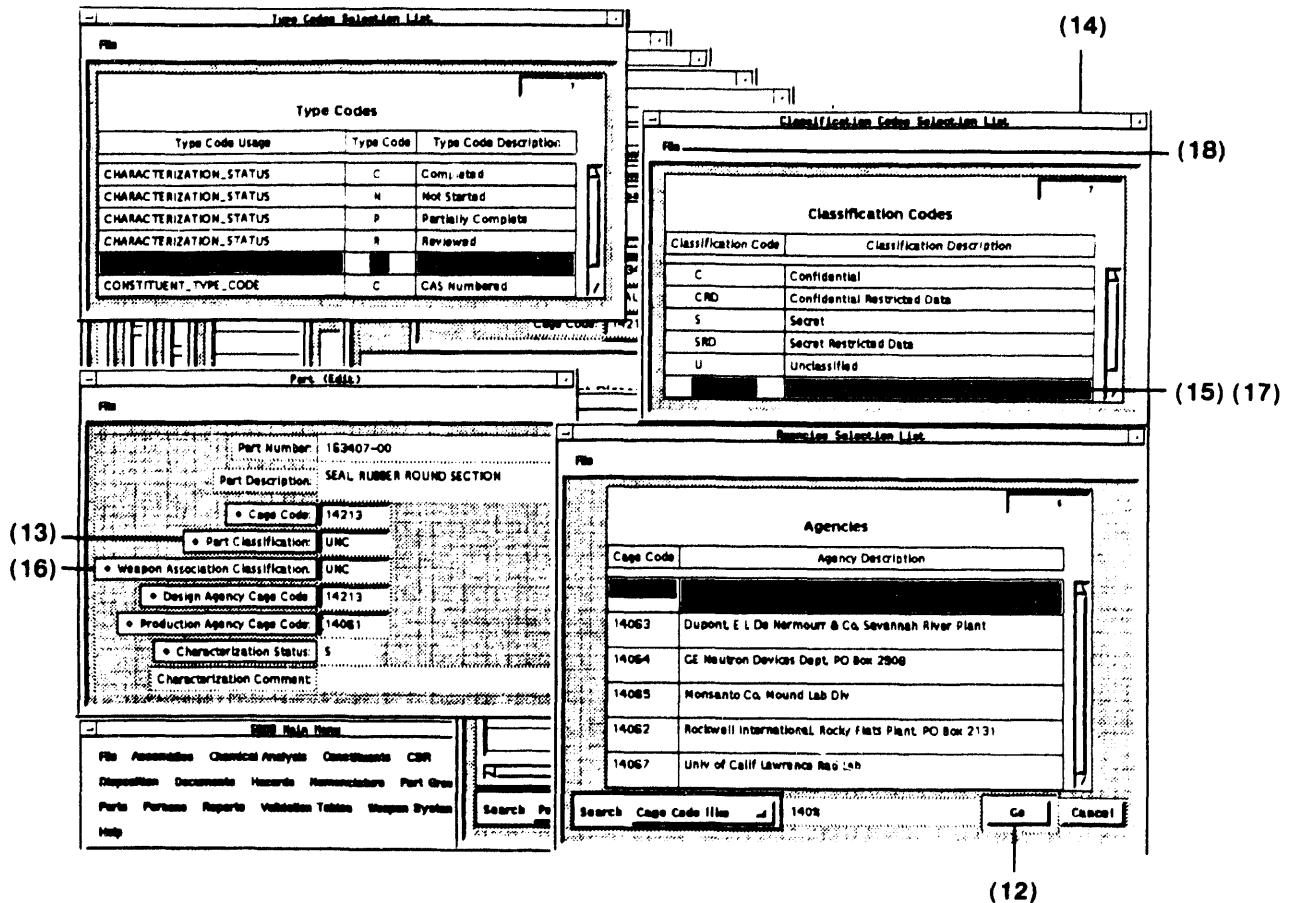
### Part Description

- Click in the Part Description text box. Type the title (SEAL, RUBBER ROUND SECTION) as it appears on the ML. (8)

NOTE: A text box that includes a diamond symbol (◆) indicates that a pick list has to be accessed to enter data into the text box. Access the pick list by clicking on the diamond and making the appropriate selection from the pick list window. A text box without a diamond symbol indicates that information must be typed. For consistency, type the information in capital letters.

### Cage Code

- Click on the diamond symbol in the Cage Code box to activate the **Agencies Selection List** window. (9)
- Position this window in a convenient location to be easily accessed. (10)
- Select Cage Code Like/Cage Code Like to display a text box. (11)
- Type the Design Agency Code Identification (14213) from the ML.



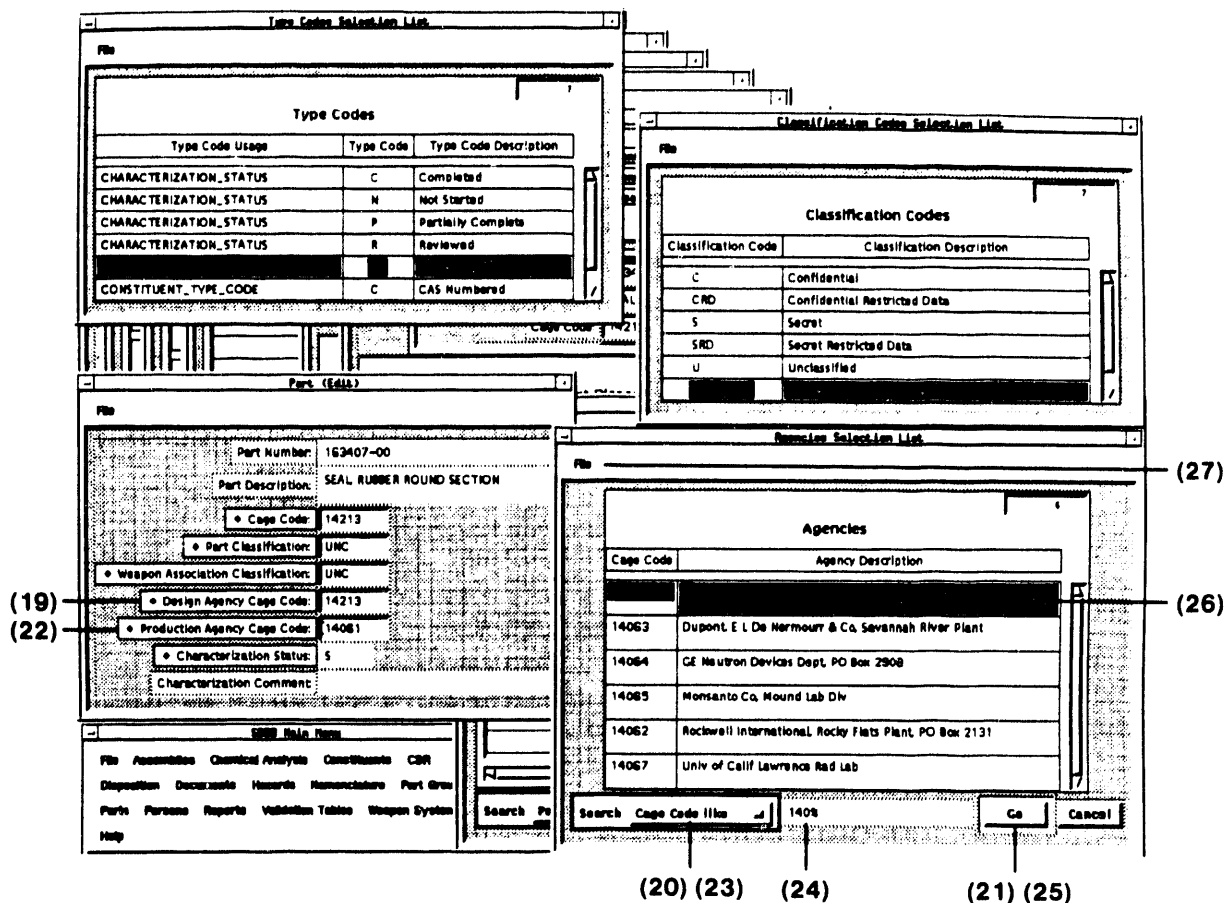
- Press the Return key or click the Go button in the window. A Cage Codes and Agency Descriptions list is displayed. (12)
- Highlight the 14213 row to transfer the code number to the **Part (Edit)** window.

#### Part Classification

- Click the diamond symbol in the Part Classification box to activate the **Classification Codes Selection List** window. (13)
- Position this window in a convenient location to be easily accessed. (14)
- Highlight the UNC row for the classification code to transfer the information to the **Part (Edit)** window. The N in the Part Class column on the ML indicates an unclassified part. (15)

#### Weapon Association Classification

- Click the diamond symbol in the Weapon Association Classification box to indicate where the next highlighted selection should transfer information. (16)
- Rehighlight the UNC row in the **Classification Codes Selection List** window. (It may be necessary to highlight a different row first.) To determine this information, consult with the local classification officer. (17)
- Select File/Close in the **Classification Codes Selection List** window. (18)

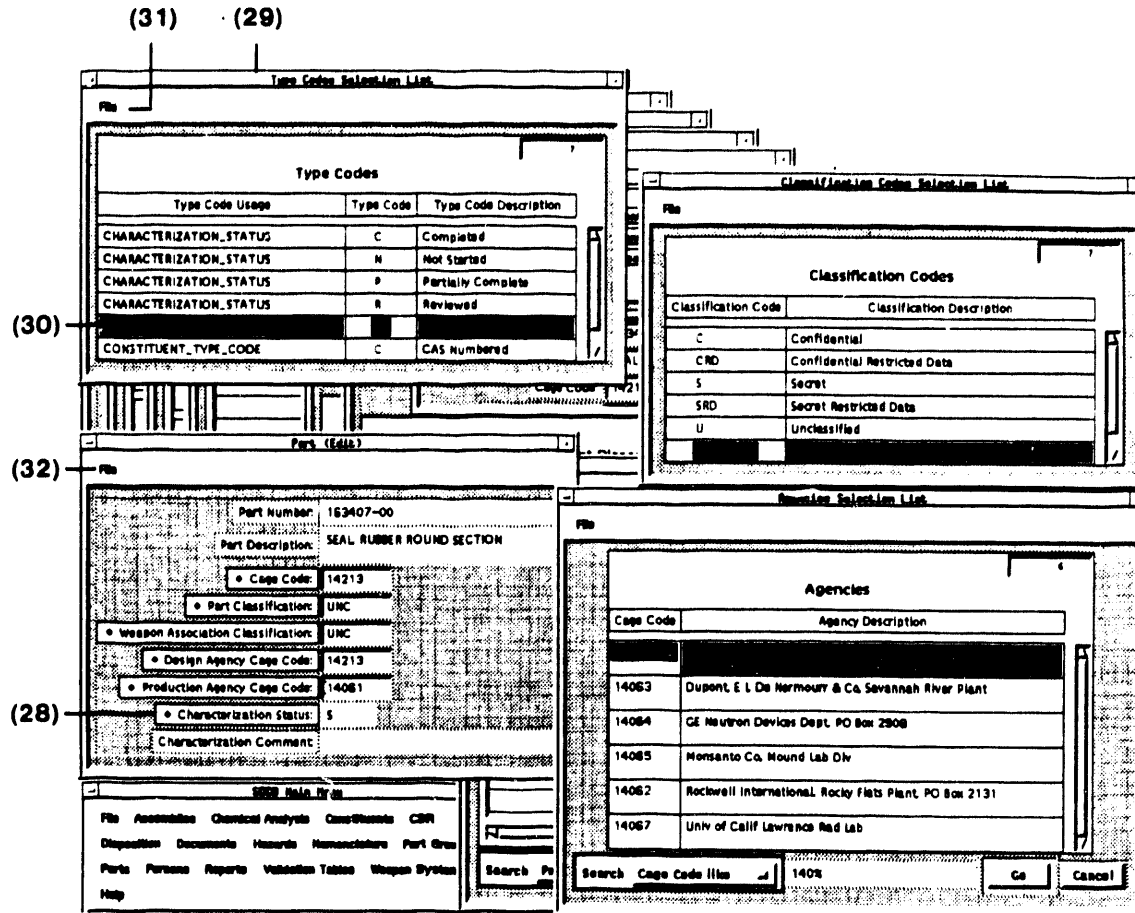


#### *Design Agency Cage Code*

- Click on the diamond symbol in the Design Agency Cage Code box to activate the **Agencies Selection List** window. (19)
- Select Cage Code Like/Cage Code Like to display a text box. (20)
- Verify that 14213 is displayed.
- Press the Return key or click the Go button in the window. (21)
- Highlight the 14213 row to transfer the code number to the **Part (Edit)** window.

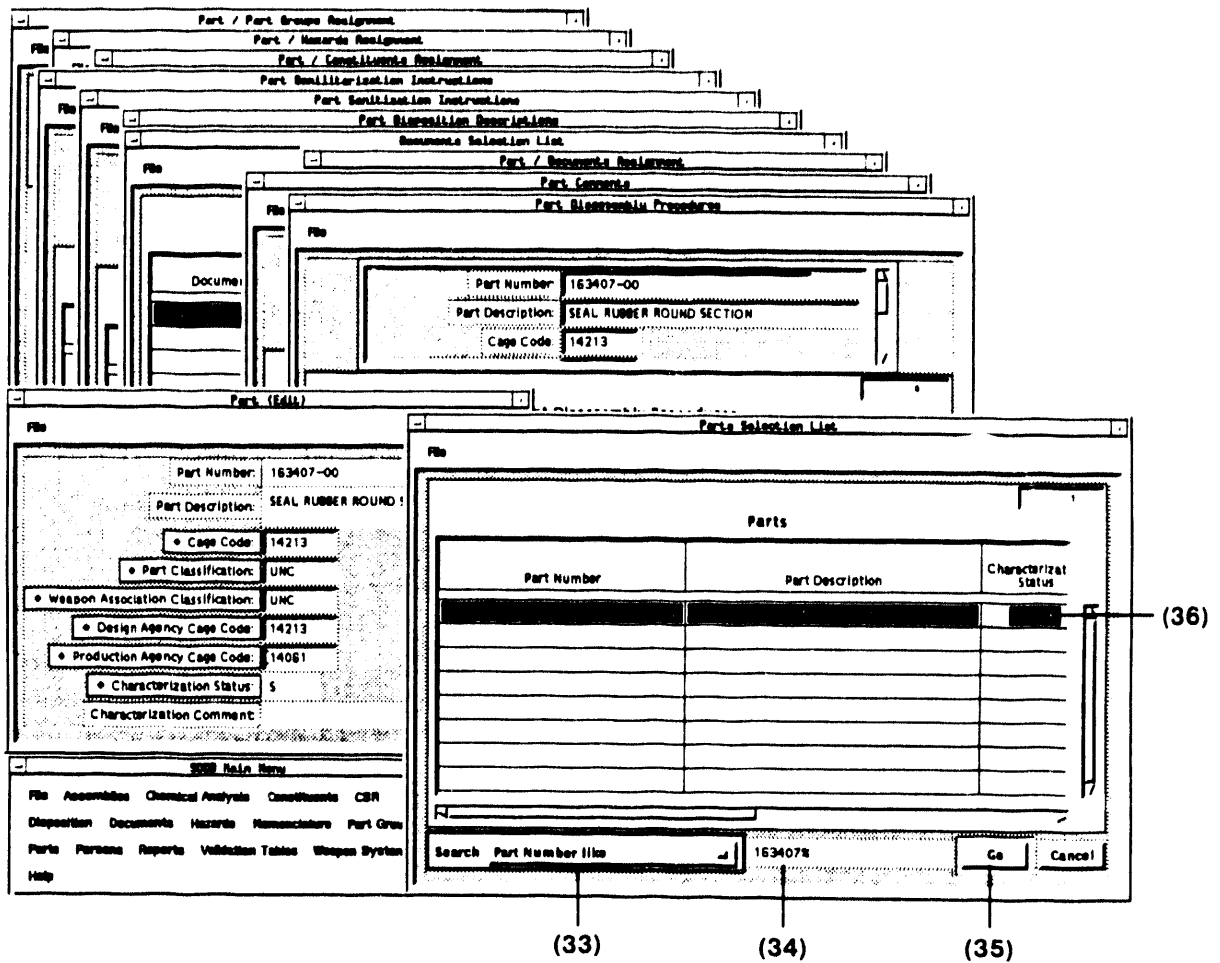
#### *Production Agency Cage Code*

- Click on the diamond symbol in the Production Agency Cage Code box to indicate where the next highlighted selection should transfer information. (22)
- Select Cage Code Like/Cage Code Like to display a text box. (23)
- Type 140 to obtain a list of most production agencies. (24)
- Press the Return key or click the Go button in the window. (25)
- Highlight 14061 for Allied Signal, Kansas City. (26)
- Select File/Close in the **Agencies Selection List** window. (27)



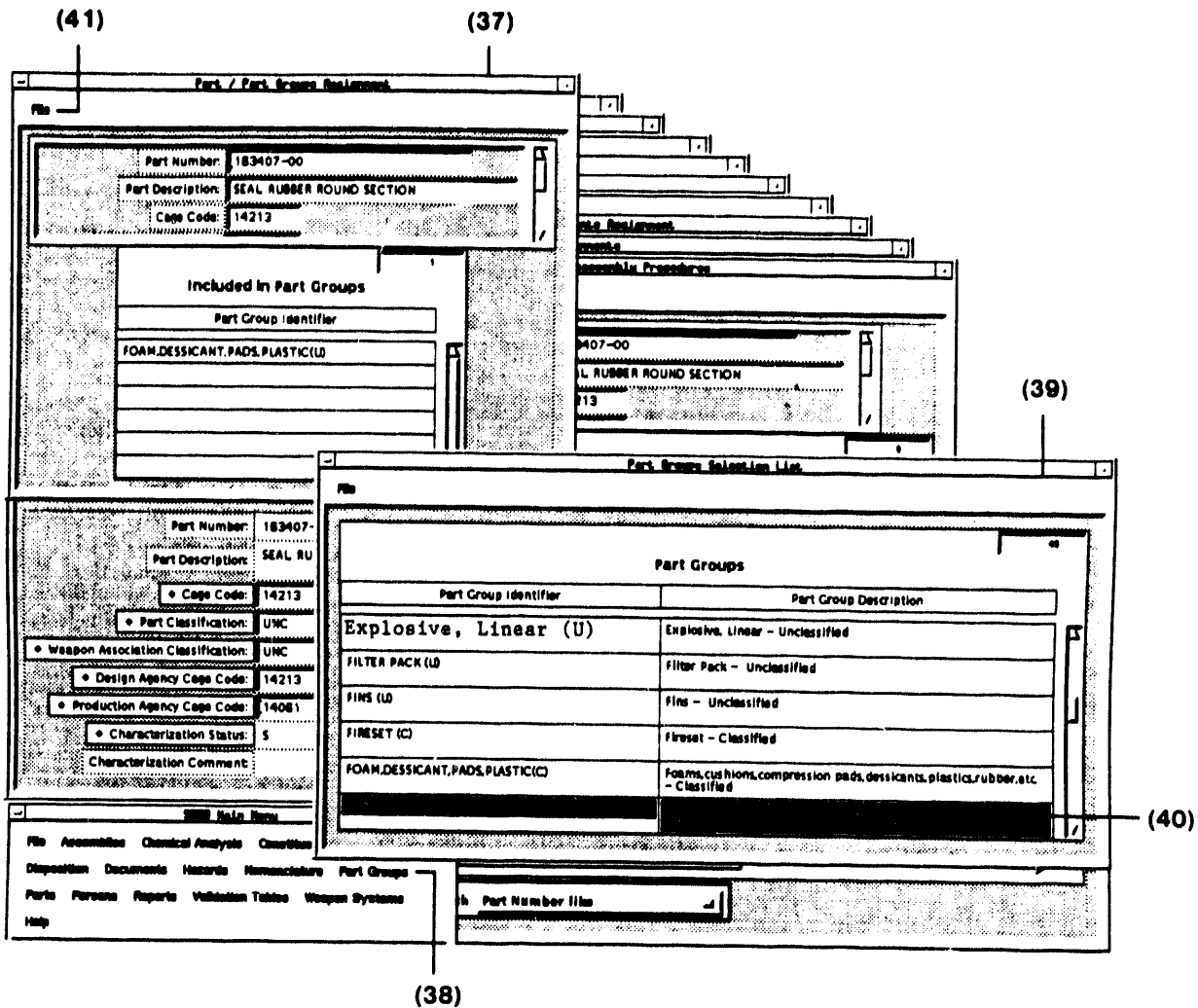
### Characterization Status

- Click the diamond symbol in the Characterization Status box to activate the **Type Codes Selection List** window. (28)
- Position this window in a convenient location to be easily accessed. (29)
- Highlight the row labeled S. This code indicates that the characterization has started. (30)
- Select File/Close in the **Type Codes Selection List** window. (31)
- Select File/Add in the upper left side of the **Part (Edit)** window. These selections add the part to the Parts Selection List. (32)



## Parts Selection List

- Activate the **Parts Selection List** window by clicking on the top bar of the window, located at the lower right side of the screen.
- Select Part Number Like/Part Number Like in the **Parts Selection List** window to display a text box. (33)
- Verify that 163407 is displayed. (34)
- Press the Return key or click the Go button in the window. A parts list is displayed. (35)
- Highlight the appropriate row for the suffix to be characterized (163407-00) from the listing. (36)



## Part/Part Groups Assignment

- Activate the **Part/Part Groups Assignment** window by clicking in the first step of the window arrangement. (37)
- Select Part Groups/Part Groups from the **SDDB Main Menu** on the lower left side of the screen to activate the **Part Groups Selection List** window. (38)
- Position this window in a convenient location to be easily accessed. (39)
- Use the scroll bar at the right side of the window to move through the list of part groups.
- Highlight the FOAM,DESSICANT,PADS,PLASTIC(U) row for the part group according to the Demilitarization and Sanitization for Disposition (DSD) General Guidance Manual (Appendix A). The description shows that this selection includes rubber. (40)
- Select File/Add in the **Part/Part Groups Assignment** window to assign the part group to the part being characterized. These selections transfer the information to the **Part/Part Groups Assignment** window. (41)



(43)

Part / Part Groups Assignment

Part Number: 183407-00  
Part Description: SEAL RUBBER ROUND SECTION  
Cage Code: 14213

Included in Part Groups

Part Group Identifier
FOAM,DESSICANT,PADS,PLASTIC(LD)
RDI

Part Groups Selection List

Part Number: 183407-  
Part Description: SEAL RU  
Cage Code: 14213  
Part Classification: UNC  
Weapon Association Classification: UNC  
Design Agency Cage Code: 14213  
Production Agency Cage Code: 14061  
Characterization Status: S  
Characterization Comment:

Part Group Identifier	Part Group Description
PULLOUT SWITCH (LD)	Pullout Switch - Unclassified
RADAR (C)	Radar - Classified
RADIOACTIVE Part	Parts containing radioactive material
RESERVOIR (C)	Reservoir - Classified
RTG (LD)	Radioisotope Thermoelectric Generator - Unclassified

File Assembly Chemical Analysis Classification  
Disposition Documents Hazards Nomenclature Part Groups  
Parts Persons Reports Validation Tables Weapon Systems  
Help

Part Number Title

(44)

(42)

- Highlight the RDI row in the **Part Groups Selection List** window because this part appears on a Retirement Disposition Instruction List. (42)
- Select File/Add in the **Part/Part Groups Assignment** window. (43)
- Select File/Close in the **Part Groups Selection List** window. (44)

The screenshot shows three overlapping windows from a software application:

- Window (46): Part / Part Groups Assignment**
  - Part Number: 183407-00
  - Part Description: SEAL RUBBER ROUND SECTION
  - Cage Code: 14213
  - Assigned Hazards** table:

Hazard Code	Derived Flag	Location Number
  - Part Classification: UNC
  - Weapon Association Classification: UNC
  - Design Agency Cage Code: 14213
  - Production Agency Cage Code: 14081
  - Characterization Status: S
  - Characterization Comment:
- Window (45): Part / Hazard (Edit)**
  - Part Number: 183407-00
  - Part Description: SEAL RUBBER ROUND SECTION
  - Cage Code: 14213
  - Hazard Code: REVIEWED
  - Hazard Location Number: 0
  - Hazard Derived?: N/A
  - Hazard Location:
  - Last Update Name: Rosemarie Rann
  - Certification Flag:
  - Certification Date:
- Window (47): Hazards Selection List**
  - Hazards** table:

Hazard Code	Hazard Description
MERCURY	Mercury
OIL FILLED COMPONENTS	Oil Filled Components (PCB potential)
OTHER	Other Safety and Health Concerns
RADIOACTIVE	Radioactive Components or Material
REACTIVE METALS	Reactive Metals (Li, Ca, LL, Mg, Na, Zr)

## Part/Hazards Assignment

The input of this information requires activity in three windows: **Part/Hazards Assignment**, **Part/Hazard (Edit)**, and **Hazards Selection List**.

- Activate the **Part/Hazards Assignment** window by clicking in the next step of the window arrangement. (45)

**NOTE:** Personnel entering the data should review the documentation package for hazards. For additional guidance, consult with engineering staff having design knowledge about the part.

- Select File/Edit to activate the **Part/Hazard (Edit)** window. (46)
- Position this window in a convenient location to be easily accessed. (47)

### Hazard Code

- Click on the diamond symbol in the Hazard Code box to activate the **Hazards Selection List** window. (48)
- Position this window in a convenient location to be easily accessed. (49)
- Use the scroll bar on the right side of the window to move through the Hazards list.

Part / Part Groups Assignment  
Part / Hazards Assignment

Part Number: 183407-00  
Part Description: SEAL RUBBER ROUND SECTION  
Cage Code: 14213

Assigned Hazards

Hazard Code	Derived Flag	Location Number

Part / Hazard (Edit)

Part Number: 183407-00  
Part Description: SEAL RUBBER ROUND SECTION  
Cage Code: 14213

Hazard Code: REVIEWED  
Hazard Location Number: 0  
Hazard Derived: N/A  
Hazard Location:  
Last Update Name: Rosemary Henn  
Certification Flag:  
Certification Date:

Part Classifications: UNC  
Weapon Association Classification: UNC  
Design Agency Cage Code: 14213  
Production Agency Cage Code: 14081  
Characterization Status: S  
Characterization Comment:

Hazards

Hazard Code	Hazard Description
MERCURY	Mercury
OIL FILLED COMPONENTS	Oil Filled Components (PCB potential)
OTHER	Other Safety and Health Concern
RADIOACTIVE	Radioactive Components or Material
REACTIVE METALS	Reactive Metals (E. C. A. L. Hg. No. 27)

File Appendices Chemical Analysis Characteristics CBR  
Disposition Documents Hazards Nomenclature Part Grp  
Parts Persons Reports Validation Tables Weapon System  
Help

- Highlight REVIEWED on the Hazards list because no process will be performed on the part (Part/Part Group - DSD General Guidance Manual) and the listed hazards are not applicable for the part being addressed. This selection will show in the Hazard Code box of the **Part/Hazard (Edit)** window. (50)

#### Hazard Derived?

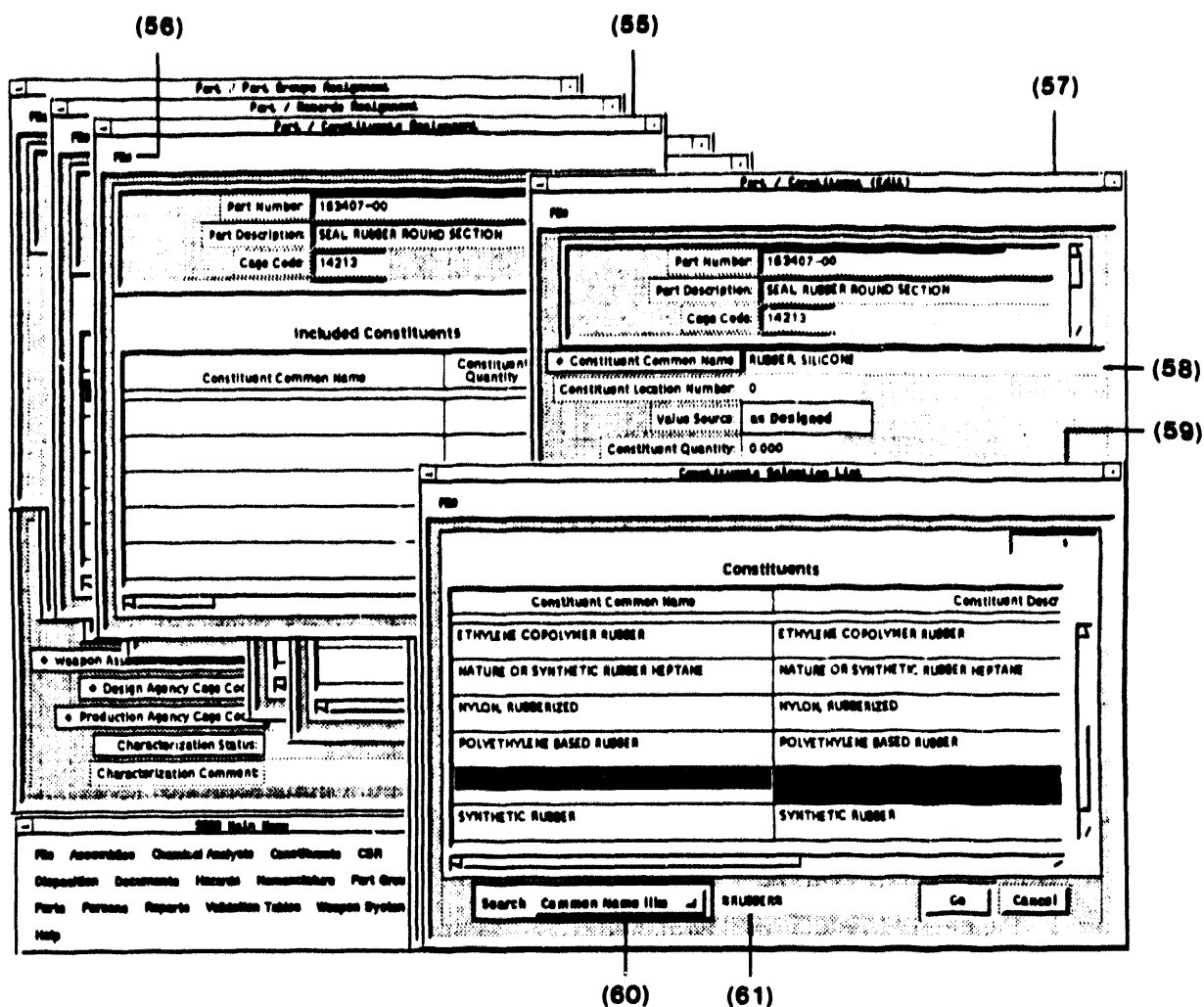
- Click N/A in the Hazard Derived box because no process will be performed and REVIEWED has been selected. (51)

#### Hazard Location

- The Hazard Location text box does not receive an entry when the hazard code is REVIEWED. (52)

#### Save Entries

- Select File/Add in the **Part/Hazard (Edit)** window to assign the part hazards to the part. These selections transfer the information to the **Part/Hazards Assignment** window. (53)
- Select File/Close in the **Part/Hazard (Edit)** window. These selections also close accessed windows. (54)

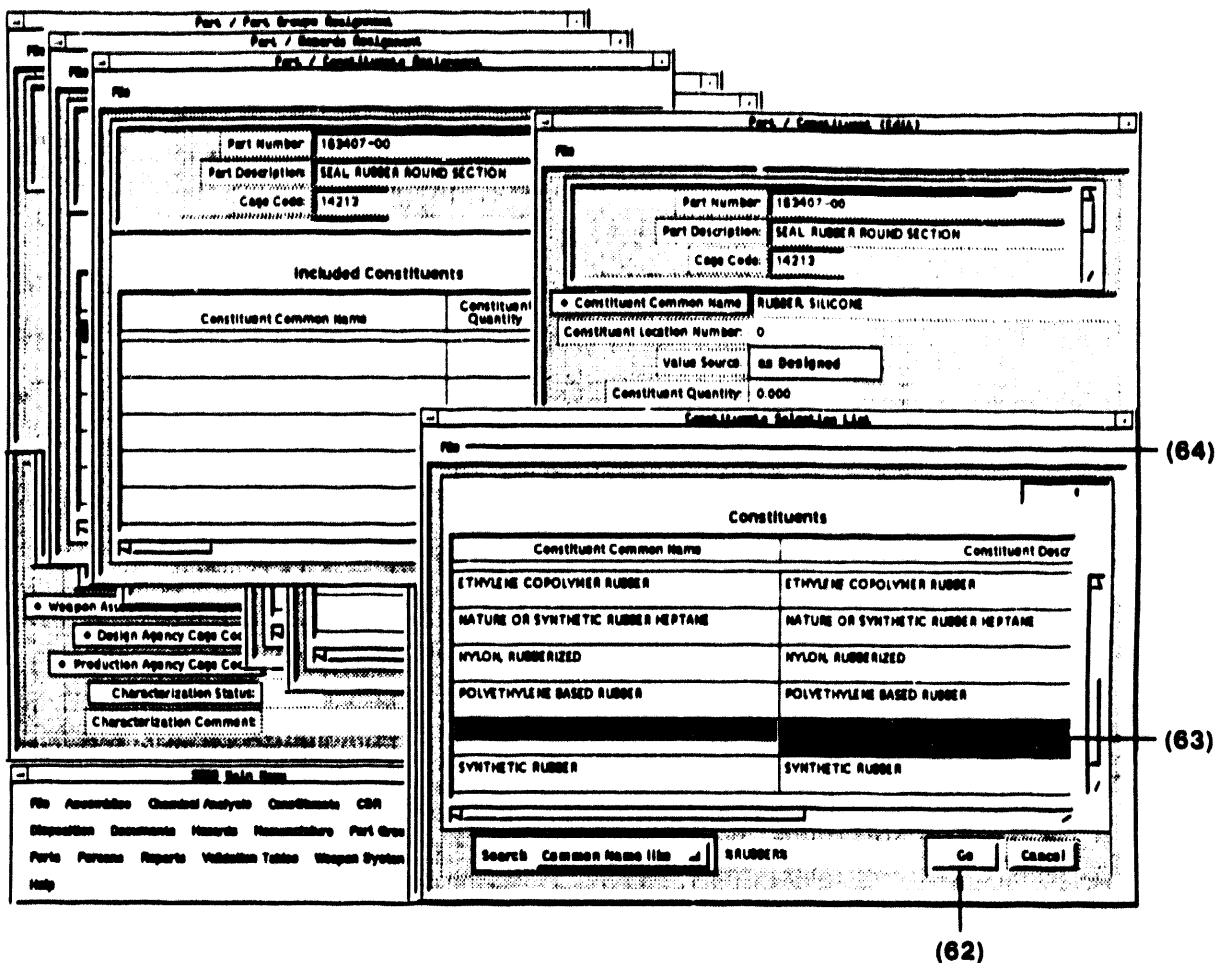


## Part/Constituents Assignment

- Activate the **Part/Constituents Assignment** window by clicking in the next step of the window arrangement. (55)
- Select File/Edit to activate the **Part/Constituent (Edit)** window. (56)
- Position this window in a convenient location to be easily accessed. (57)

### Constituent Common Name

- Click on the diamond symbol in the Constituent Common Name box to activate the **Constituents Selection List** window. (58)
- Position this window in a convenient location to be easily accessed. (59)
- Find materials that make up the part from the documents that describe the part.
- Select Common Name Like/Common Name Like to display a text box. (60)
- Type the constituent common name for the material indicated on the ML (RUBBER). The \* sign is a wild card character that ensures a complete list for the constituent. (61)



- Press the Return key or click the Go button in the window. A constituent list is displayed. (62)
- Use the scroll bar on the right side of the window to move through the constituents list.
- Highlight the RUBBER,SILICONE row to transfer the information to the **Part/Constituent (Edit)** window. (63)
- Select File/Close in the **Constituents Selection List** window. (64)

Part / Part Group Assignment

Part / Materials Assignment

Part / Constituent Assignment

Part / Constituent (Edit)

Part Number: 163407-00

Part Description: SEAL RUBBER ROUND SECTION

Cage Code: 14213

Included Constituents

Constituent Common Name	Constituent Quantity

Constituent Common Name: RUBBER, SILICONE

Constituent Location Number: 0

Value Source: as Designed

Constituent Quantity: 0.000

Units:

Constituent Location:

Part Constituent Comment: PER 4155220

Last Update Name: Rosemary Rahn

Certification Flag:

Certification Date:

Certification Name:

Certify Data for Transmission: ☐

File Assembly Chemical Analysis Constituents CBR

Disposition Documents Materials Remanufacture Part Group

Parts Personnel Reports Validation Tables Weapon System

Help

Search Part Number file

### Constituent Quantity and Units

- Since the quantity of the constituent material is not known, leave the Quantity and Units text boxes blank. (65)

### Constituent Location

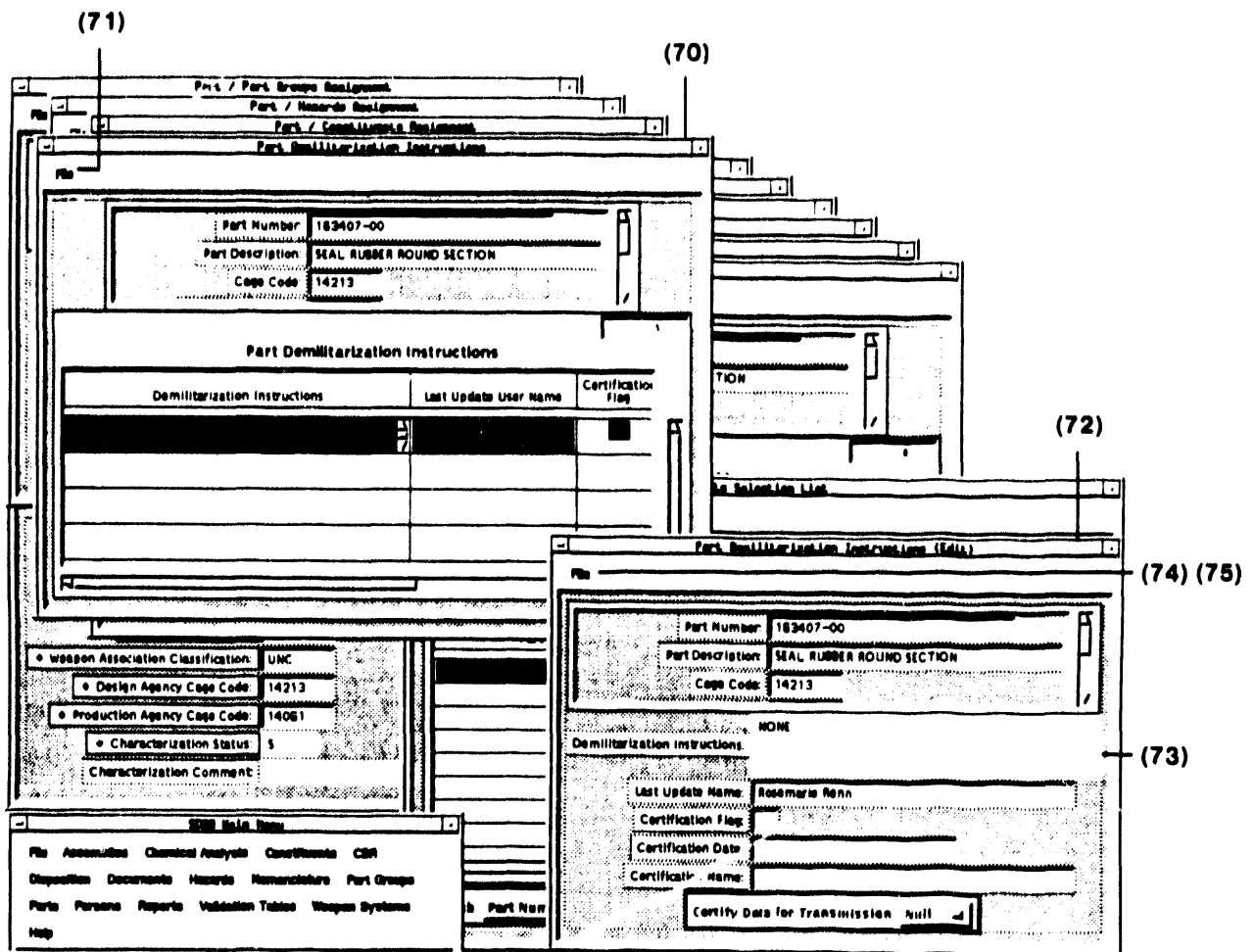
- The Constituent Location text box does not need an entry when the constituent applies to the whole part or a majority of the part. (66)

### Part Constituent Comment

- Click in the Part Constituent Comment text box. Type the material specification from the ML (PER 4155220). (67)

### Save Entries

- Select File/Add to transfer the information to the **Part/Constituents** window. (68)
- Select File/Close in the **Part/Constituent (Edit)** window. (69)



## Part Demilitarization Instructions

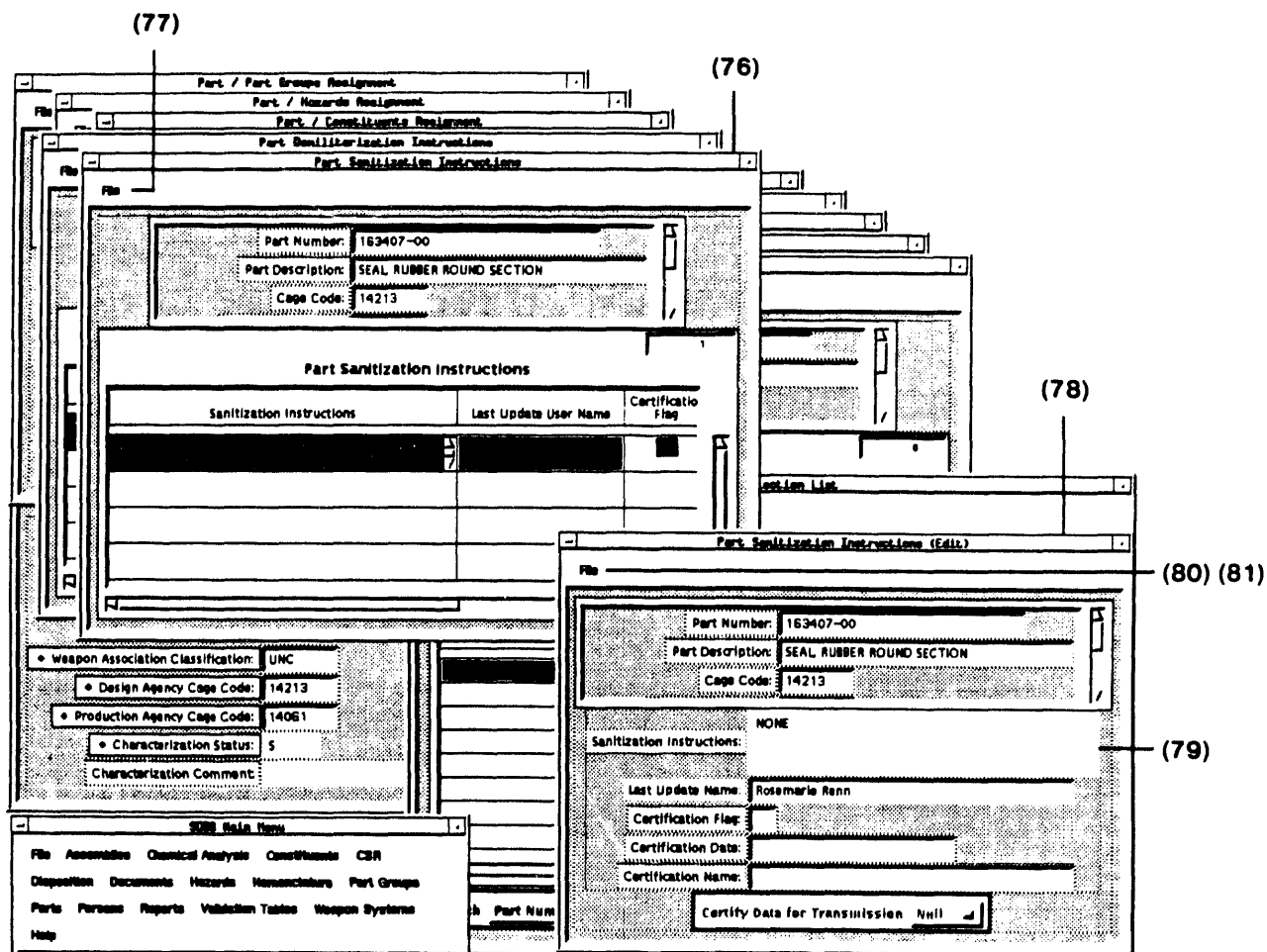
- Activate the **Part Demilitarization Instructions** window by clicking in the next step of the window arrangement. (70)
- Select File/Edit to activate the **Part Demilitarization Instructions (Edit)** window. (71)
- Position this window in a convenient location to be easily accessed. (72)

### Demilitarization Instructions

- Refer to the DSD General Guidance Manual to determine if demilitarization is required for the Part Group that has been assigned to the part being characterized.
- Click in the Demilitarization Instructions text box. Type NONE because demilitarization is not required for this part. (73)

### Save Entries

- Select File/Add to transfer the information to the **Part Demilitarization Instructions** window. (74)
- Select File/Close in the **Part Demilitarization Instructions (Edit)** window. (75)



## Part Sanitization Instructions

- Activate the **Part Sanitization Instructions** window by clicking in the next step of the window arrangement. (76)
- Select File/Edit to activate the **Part Sanitization Instructions (Edit)** window. (77)
- Position this window in a convenient location to be easily accessed. (78)

**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

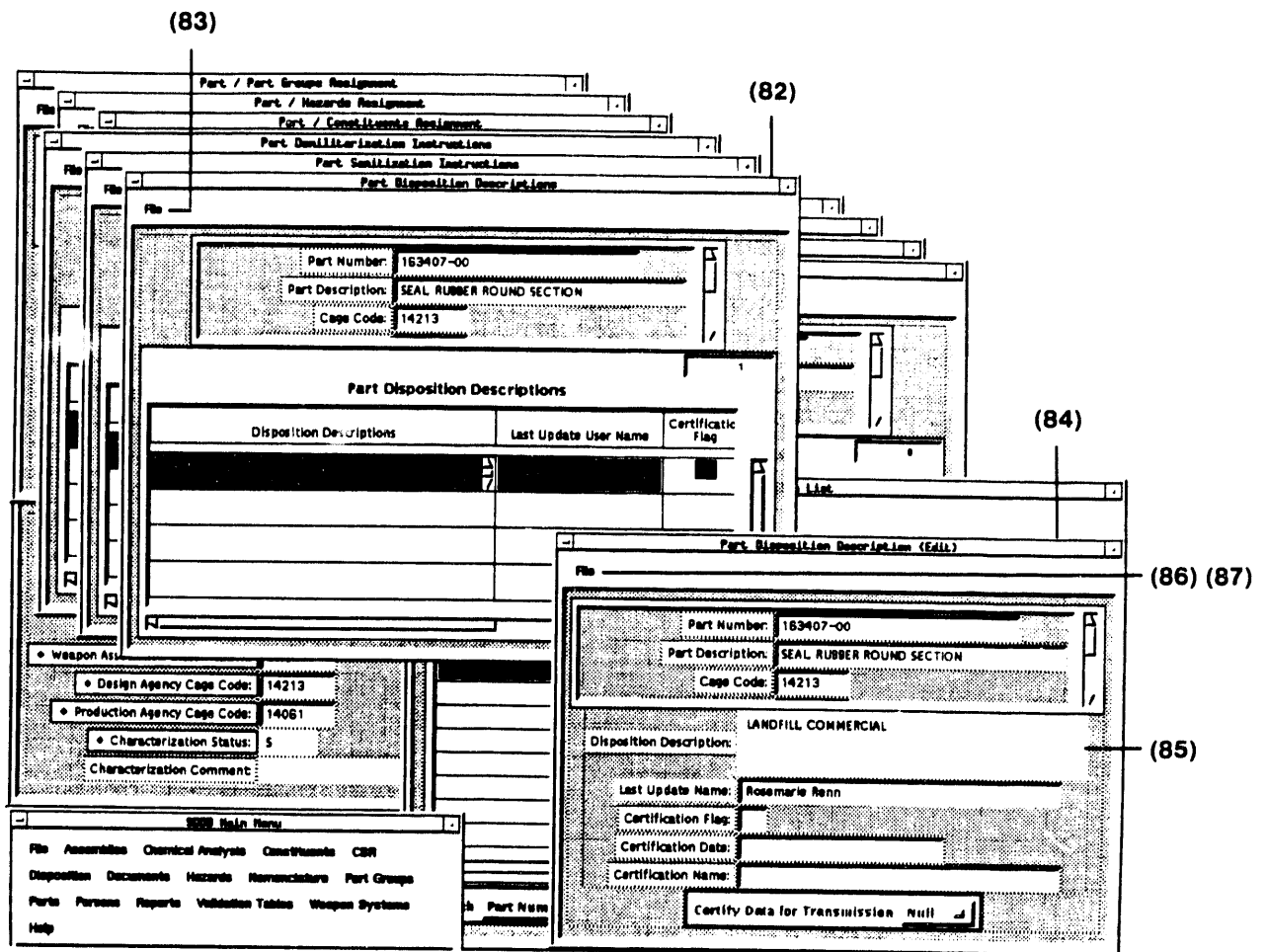
### *Sanitization Instructions*

- Click in the Sanitization Instructions text box. Type NONE because sanitization is not required for this part. (79)

### *Save Entries*

- Select File/Add in the **Part Sanitization Instructions (Edit)** window to transfer the information to the **Part Sanitization Instructions** window. (80)
- Select File/Close in the **Part Sanitization Instructions (Edit)** window. (81)





## Part Disposition Descriptions

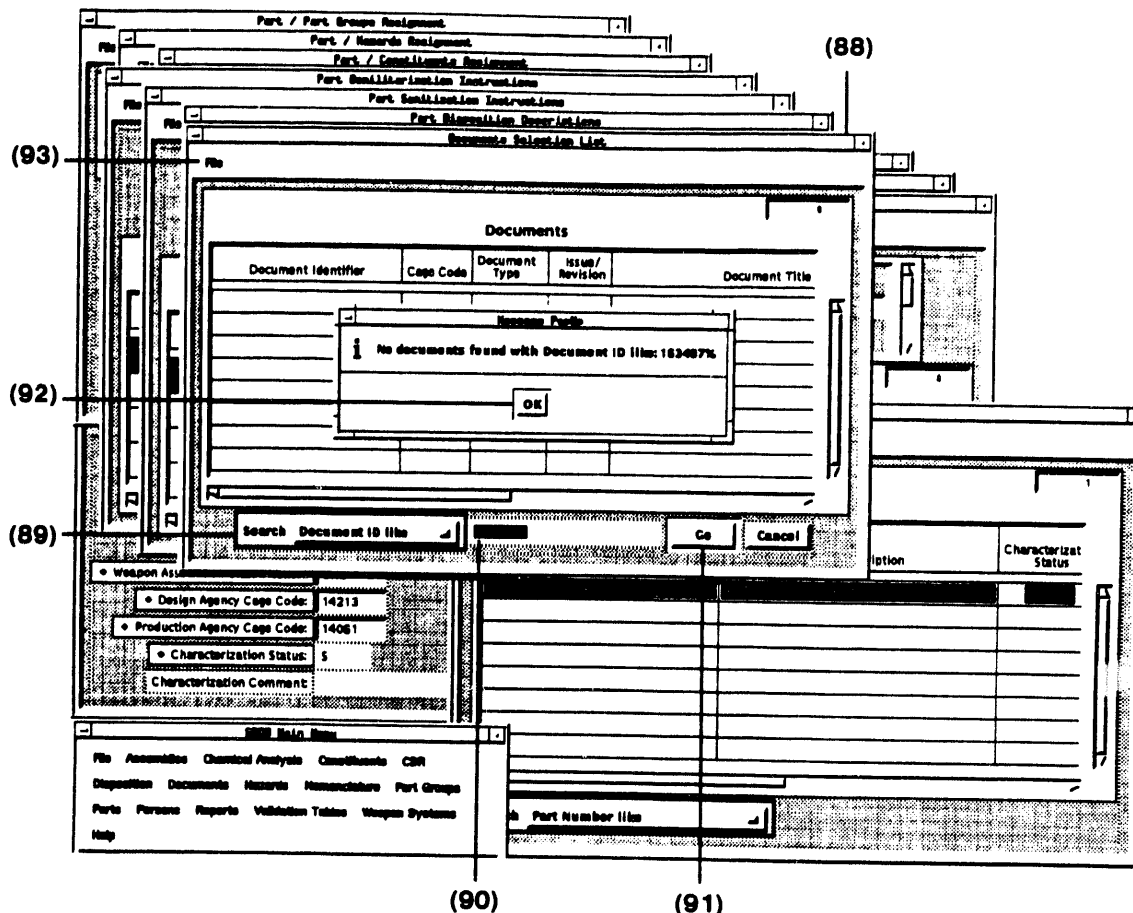
- Activate the **Part Disposition Descriptions** window by clicking in the next step of the window arrangement. (82)
- Select File/Edit to activate the **Part Disposition Description (Edit)** window. (83)
- Position this window in a convenient location to be easily accessed. (84)

### Disposition Description

- Click in the Disposition Description text box.  
Type LANDFILL,COMMERCIAL. (85)

### Save Entries

- Select File/Add to transfer the information to the **Part Disposition Descriptions** window. (86)
- Select File/Close in the **Part Disposition Description (Edit)** window. (87)



## Documents

- Activate the **Documents Selection List** window by clicking in the next step of the file arrangement. (88)

**NOTE:** This is a list of all documents in the database. Add the documents that have provided characterization data to this section. Fill in all information blocks. This input requires activity in several documents windows.

### Document Search

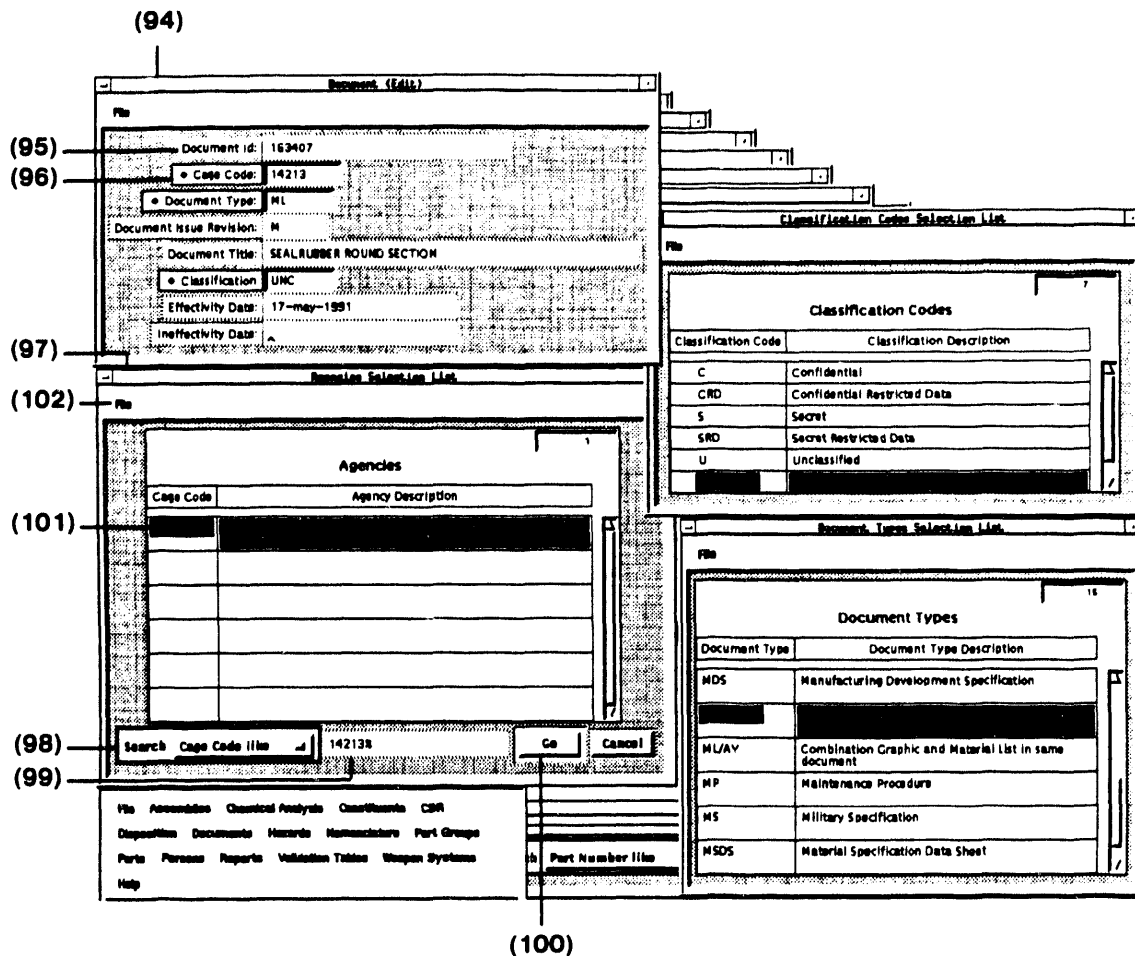
- Select Document ID Like/Document ID Like to display a text box. (89)

**CAUTION:** A document will not appear in the Document Identifier list until it is searched for the first time, even though it may be in the database.

- Type the Drawing Number (163407) from the ML. (90)
- Press the Return key or click the Go button in the window. (91)
- Since the document is not found, click OK. (92)

### Document Entry

- Select File/Edit in the **Documents Selection List** window to activate the **Document (Edit)** window. (93)



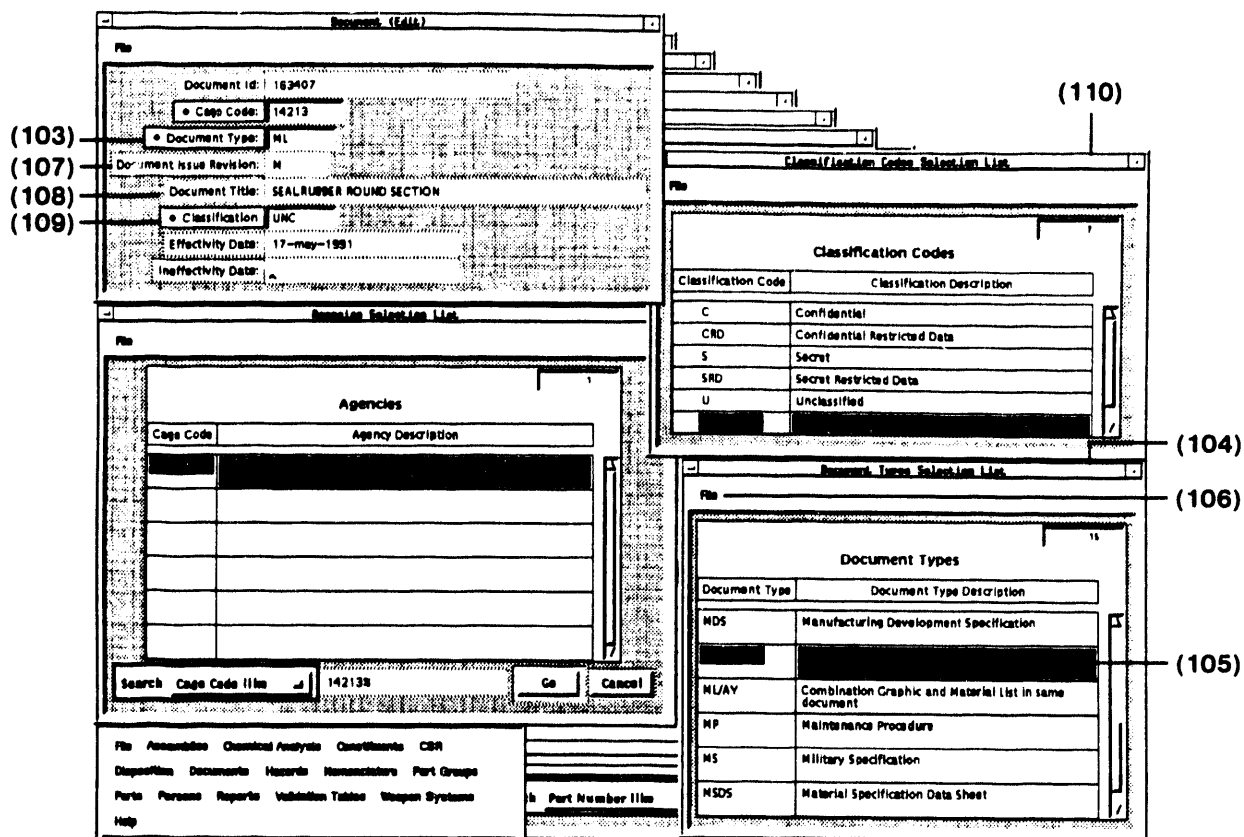
- Position the window in a convenient location to be easily accessed. (94)

#### Document ID

- Click in the Document ID text box in the **Document (Edit)** window. Type the document number (163407) from the ML. (95)

#### Cage Code

- Click on the diamond symbol in the Cage Code box to activate the **Agencies Selection List** window. (96)
- Position this window in a convenient location to be easily accessed. (97)
- Select Cage Code Like/Cage Code Like to display a text box. (98)
- Type the Design Agency Code Ident (14213) from the ML. (99)
- Press the Return key or click the Go button in the window. A Cage Code and Agency Description list is displayed. (100)
- Highlight the 14213 row to transfer the code number to the **Document (Edit)** window. (101)
- Select File/Close in the **Agencies Selection List** window. (102)



### Document Types

- Click the diamond symbol in Document Type box to activate the **Document Types Selection List** window. (103)
- Position this window in a convenient location to be easily accessed. (104)
- Use the scroll bar at the right side of the window to move through the list of document types.
- Highlight the ML row to transfer the information to the **Document (Edit)** window. (105)
- Select File/Close in the **Document Types Selection List** window. (106)

### Document Issue Revision

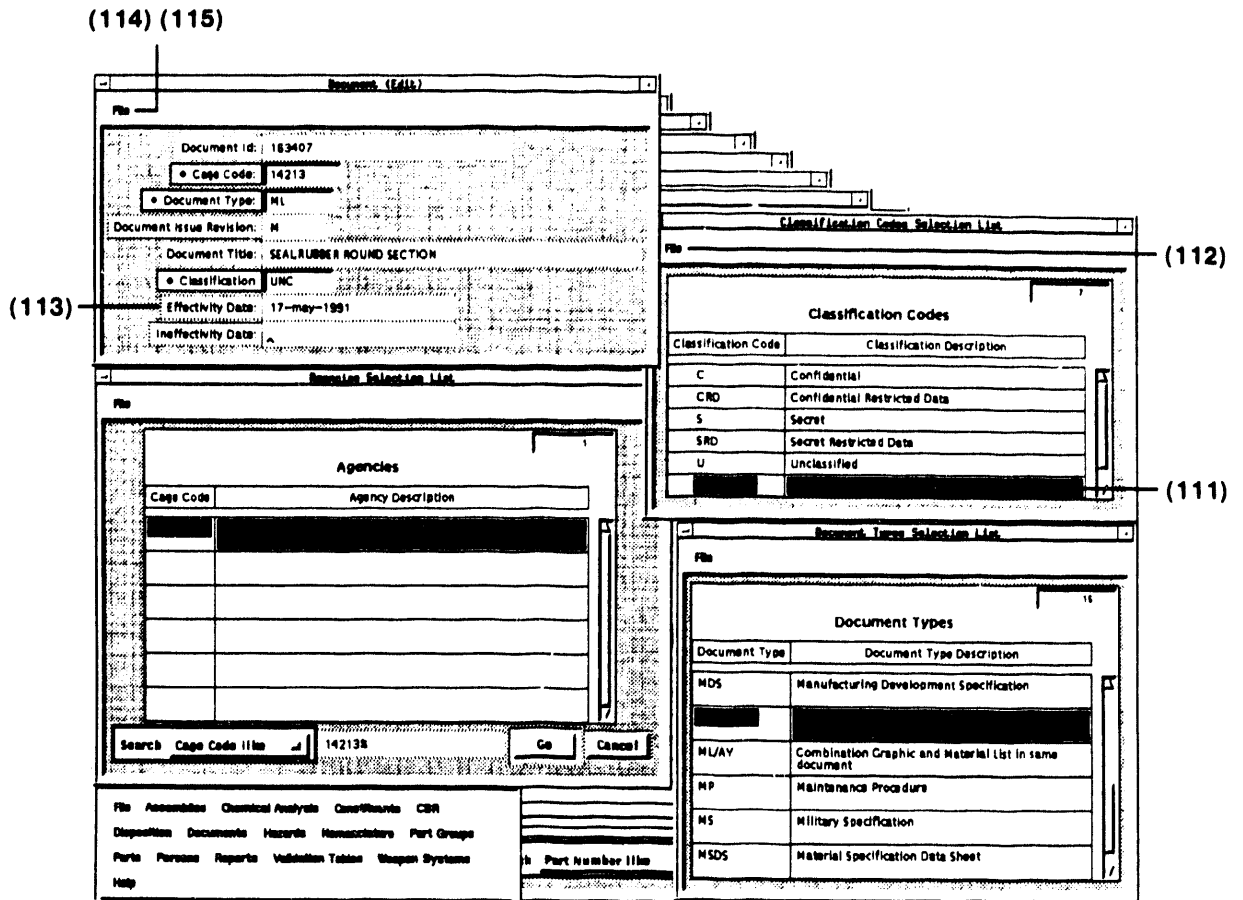
- Click in the Document Issue Revision text box in the **Document (Edit)** window. Type Issue (M) of the ML. (107)

### Document Title

- Click in the Document Title text box. Type the Title (SEAL,RUBBER ROUND SECTION) of the ML. (108)

### Classification

- Click the diamond symbol in Classification box to activate the **Classification Codes Selection List** window. (109)
- Position this window in a convenient location to be easily accessed. (110)



- Determine the document classification from information on the title block of the ML.
- Highlight the UNC row to transfer the information to the **Document (Edit)** window. (111)
- Select File/Close in the **Classification Codes List** window. (112)

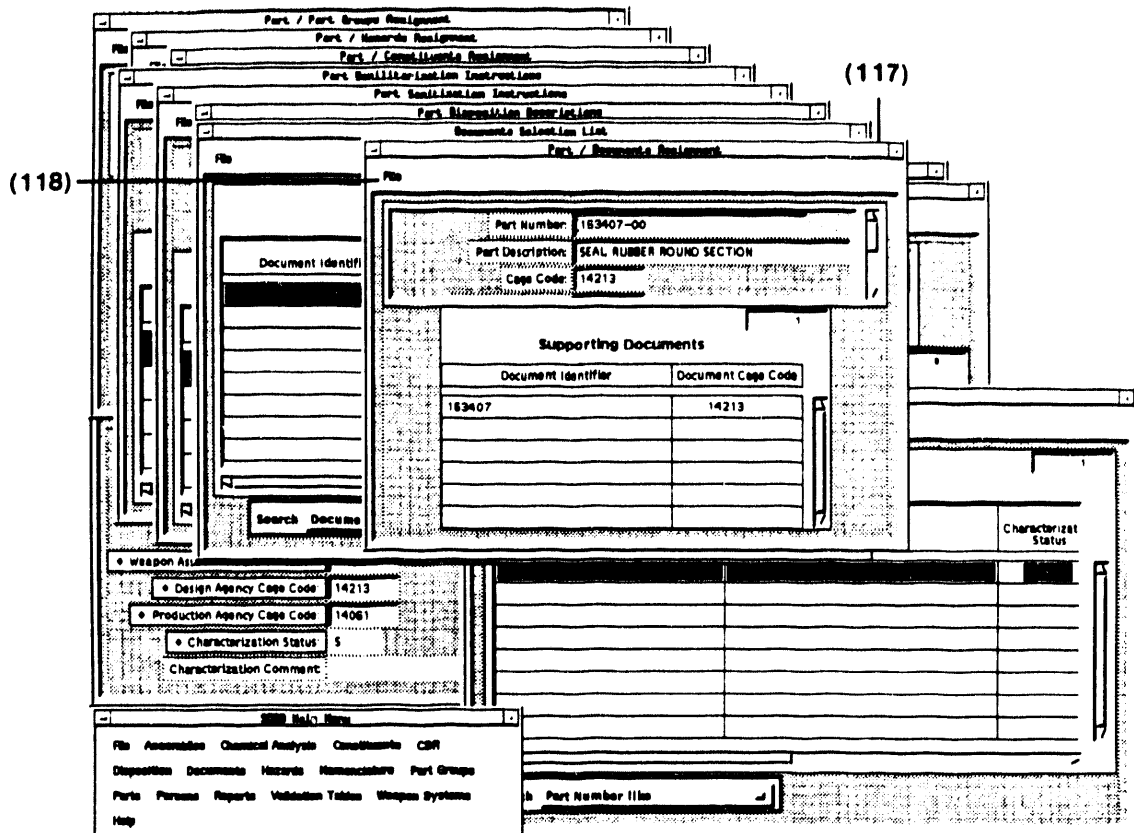
#### *Effectivity Date*

- Click in the Effectivity Date text box. Type the Date (5-17-91 or 5/17/91) of the ML. (113)

#### *Save Entries*

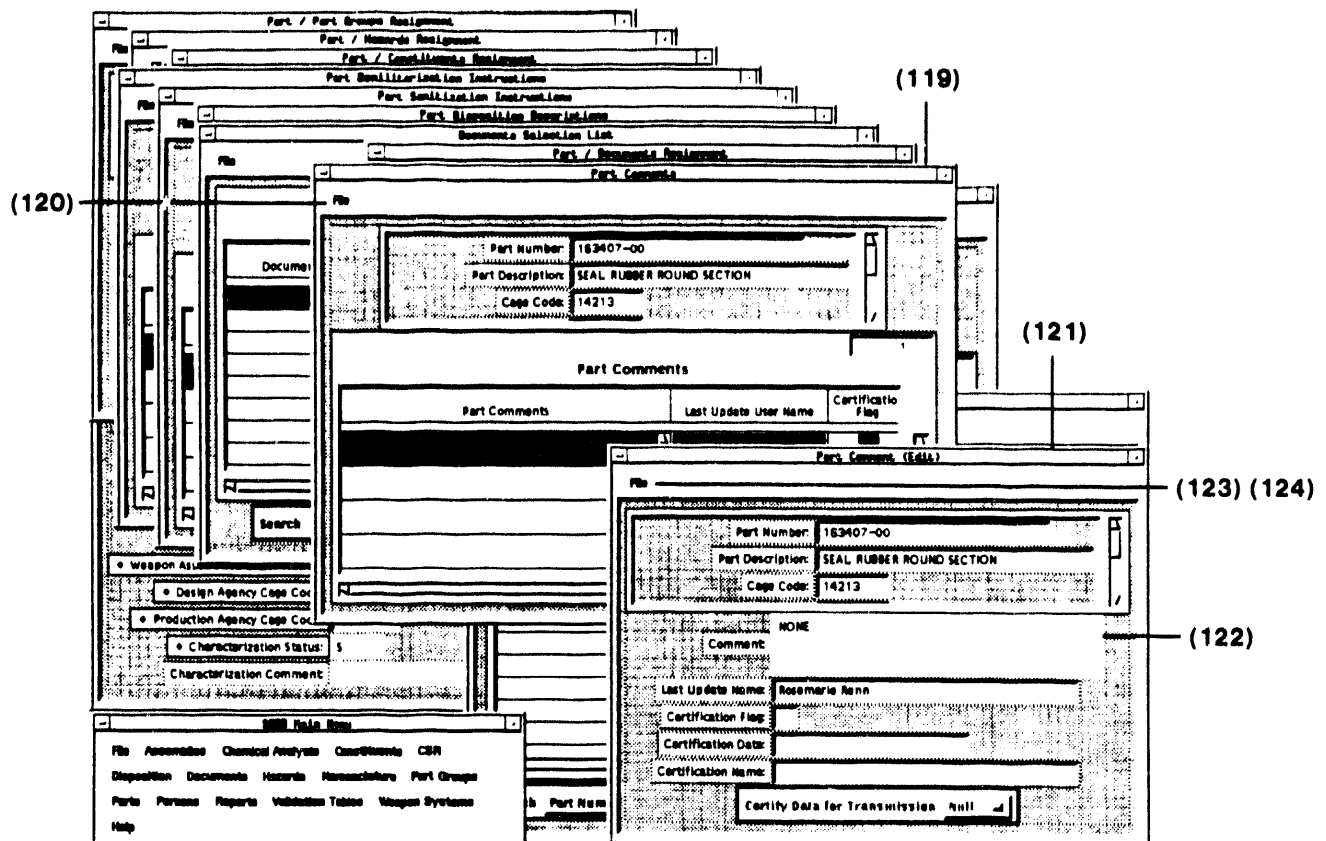
- Select File/Add in the **Document (Edit)** window to transfer the information to the **Documents Selection List** window. (114)
- Select File/Close in the **Document (Edit)** window. (115)





## Part/Documents Assignment

- Activate the **Part/Documents Assignment** window by clicking in the next step of the window arrangement. (117)
- Select File/Add to assign the document highlighted in the **Documents Selection List** window to the part being characterized. The document will be listed in the Supporting Documents list of the **Part/Documents Assignment** window. (118)



## Part Comments

- Activate the **Part Comments** window by clicking in the next step of the window arrangement. (119)
- Select File/Edit to activate the **Part Comment (Edit)** window. (120)
- Position the window in a convenient location to be easily accessed. (121)

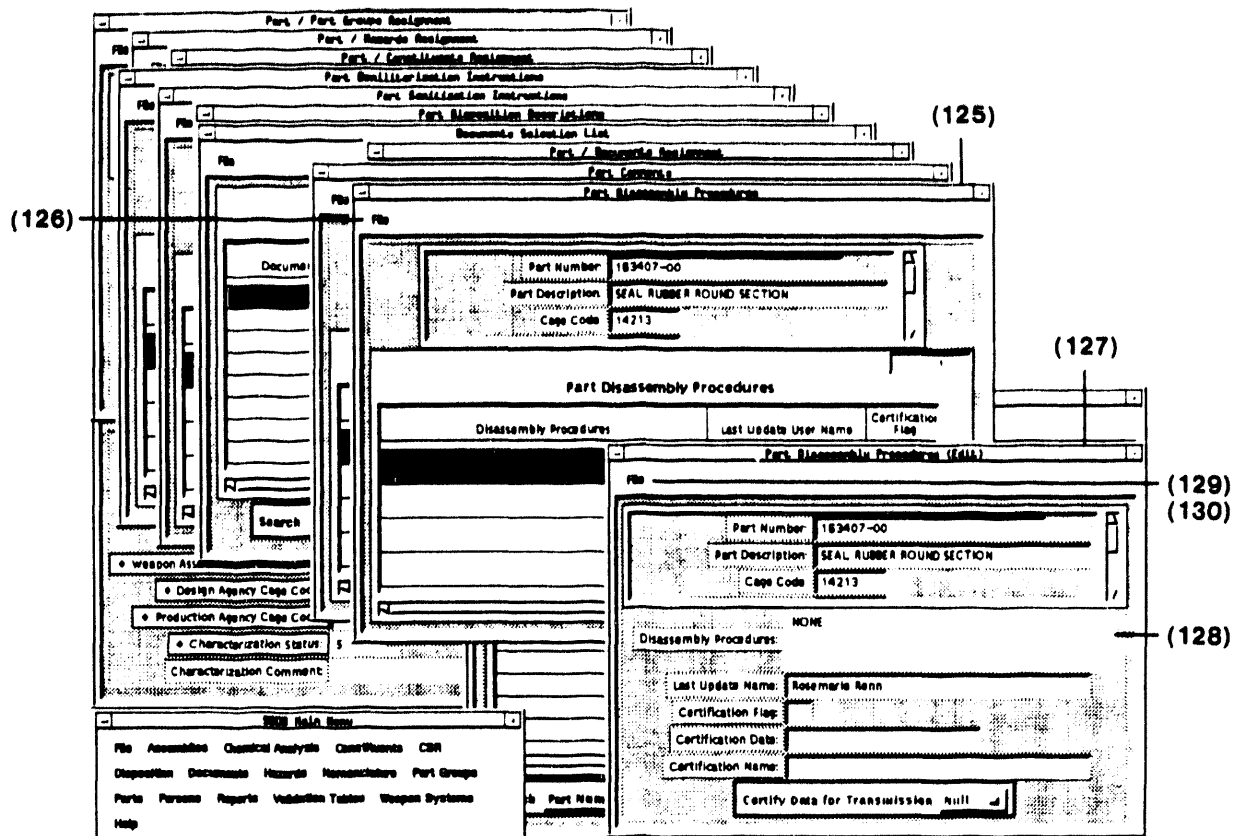
### Comment

- Click in the Comment box. Type NONE. (122)

### Save Entries

- Select File/Add to transfer the information to the **Part Comments** window. (123)
- Select File/Close in the **Part Comment (Edit)** window. (124)





## Part Disassembly Procedures

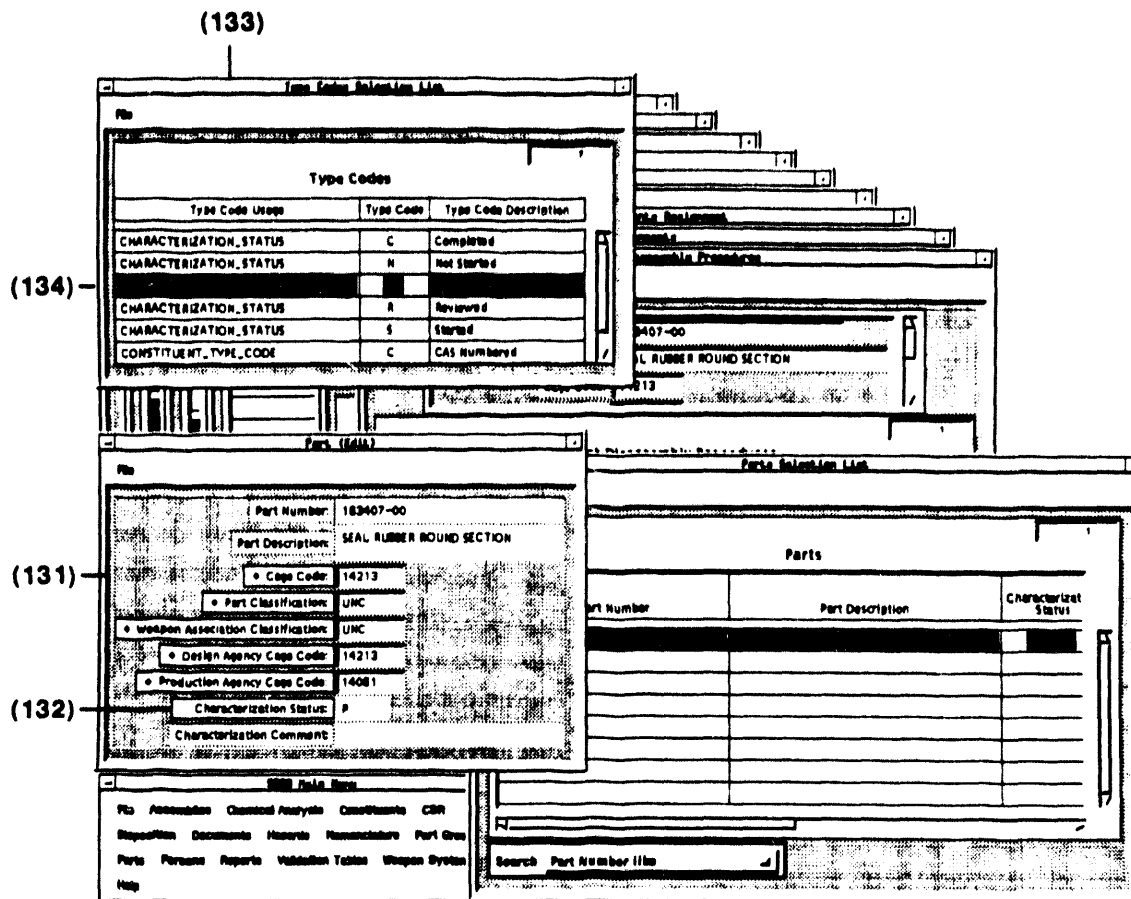
- Activate the **Part Disassembly Procedures** window by clicking in the next step of the window arrangement. (125)
- Select File/Edit to activate the **Part Disassembly Procedures (Edit)** window. (126)
- Position the window in a convenient location to be easily accessed. (127)

### *Disassembly Procedures*

- Click in the Disassembly Procedures text box. Type NONE. (128)

### *Save Entries*

- Select File/Add to transfer the information to the **Part Disassembly Procedures** window. (129)
- Select File/Close in the **Part Disassembly Procedures (Edit)** window. (130)



## Part (Edit)

- Activate the **Part (Edit)** window by clicking on the outline of the window located above the **SDDB Main Menu**. (131)

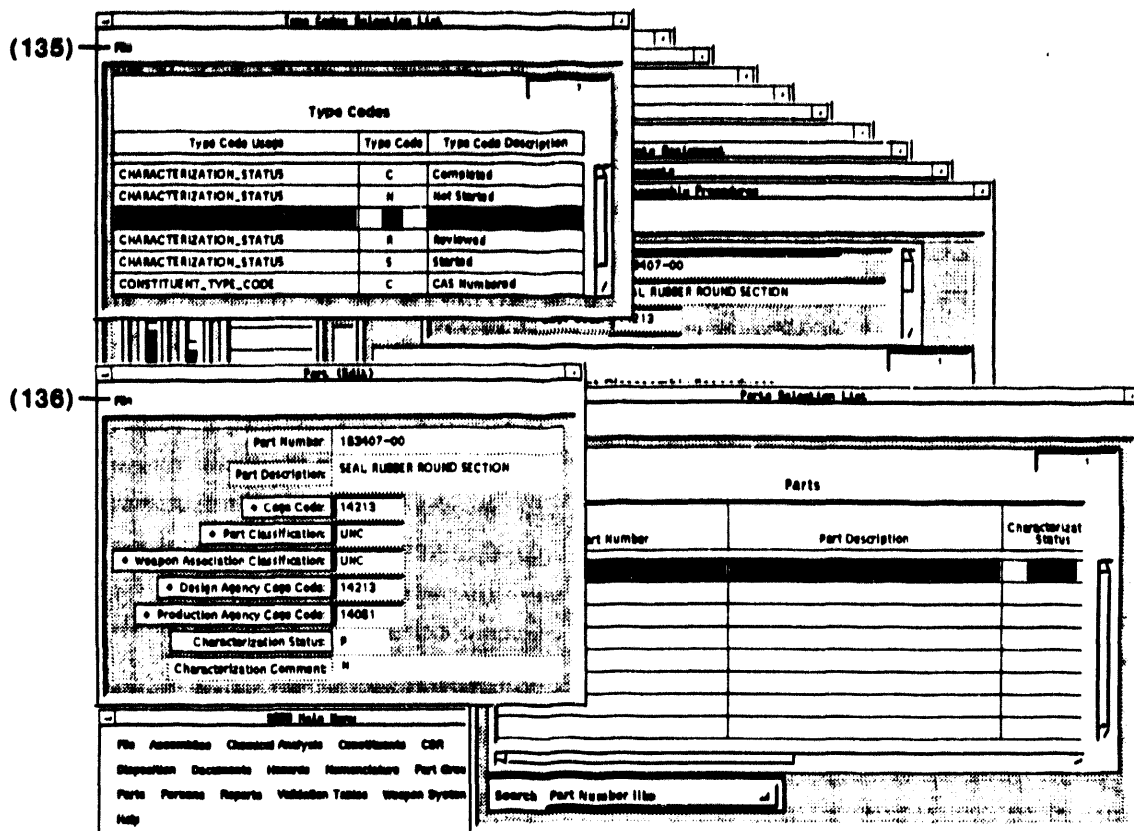
**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

*Part Number, Description, Cage Code, Part Classification, Weapon Association Classification, Design Agency Cage Code, Production Agency Cage Code*

- Verify information for these text boxes with the document package and modify as appropriate.

### Characterization Status

- Click on the diamond symbol in the Characterization Status box to activate the **Type Codes Selection List** window. (132)
- Position this window in a convenient location to be easily accessed. (133)
- Highlight the row labeled P. This code indicates that the characterization is partially complete. It also indicates that the characterization is ready for review and Internal QA/QC. (134)



- Select File/Close in the **Type Codes Selection List** window. (135)

#### *Characterization Comment*

- Click in the Characterization Comment text box. Type N because the part does not need to be returned from DoD custody.

#### *Save Entries*

- Select File/Modify to transfer the information to the **Parts Selection List** window. (136)

(111) (90) (95)

BX-----PRINTED 08/17/81-----U-N-C-L-A-S-E-I-F-I-E-O-----DRAWING NUMBER-----163407  
 TITLE---SEAL,RUBBER ROUND SECTION TIE ---SC/BX/ ORC---2 DESIGN AGENCY CODE IDENT---14313 ISSUE---N--- (107)  
 DRAWING LOCATION---BX DATE---08-17-81--- (113)  
 TITLE CLASSIFICATION: UNCLASSIFIED RELEASED BY PS RELEASED DATE---5-23-91

FOR EXPLANATION OF CODES SEE END OF CALLOUTS SECTION.

\*\*\* OTHER REQUIREMENTS ARE \*\*\*  
 9900000 GENERAL REQUIREMENTS  
 9919100 MARKING, GENERAL METHODS

DAVIS, R F 857/CARTER, G 9114/STUCKEY, L 894 00100  
 911298X B 00101  
 1. DELETED STANDARD 00102  
 911788C C 00103  
 1. CHANGED LINE 90800. 00104

ML CODE	UNIT OF MEASURE	PRODUCTION AGENCY	CODE	DESIGN AGENCY	PART CLASS	LINE
I	I	NUMBER	IDENT	PART NUMBER	I	I
I		/PENTAGON N/			E	NO
-QTY- -QTY- -QTY- -QTY- -QTY- -QTY-	-101	163407-101	(3)	163407-00	(7)	(15)
				PART OR CONTROL NO		DESCRIPTION
	NA	AY163407-000		AY163407-000		SEAL,RUBBER ROUND SECTION 03800
	NA	9943014-01		9943014-01	(61)	PACKAGING OF PREFORMED 02700 PACKING,RUBBER SEALS AND ENR RT081
	ARS	4198220-03	(67)	4198220-03		ELASTOMER,FLUOROSILICONE, (63) 30000 FUEL RESISTANT RT081
	AR	16340781		16340781		OD AND ID OD DIAMETER GAGE 90200
	NA	0116340781		0116340781		OPERATING INSTRUCTION FOR 16340781 90210
	NA	9929008-00		14081 9929008-00		VISUAL INSPECTION GUIDE FOR 90800 ELASTOMERIC O-RINGS AND SEALS RT081

EXPLANATION OF CODES.  
 QUANTITY CODE/S--- AR-AS ROUND ARS-AS ROUND PER ASSY NA-DOCUMENTS PN-PROCESS MATERIEL EN-EXPENSE MATERIEL ALT-ALTERNATE  
 UNIT OF MEASURE CODE/S---IN-INCHES LB-POUNDS OZ-OUNCES AVGIRMMPOIS TZ-OUNCES TROY G-GRAMS PT-PEET PC-PER CENT  
 N-METRE MM-MILLIMETRE KG-KILOGRAM  
 PART CLASSIFICATION CODES: UNCLASSIFIED---N UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION---R

BX-----PRINTED 08/17/81-----U-N-C-L-A-S-E-I-F-I-E-O-----DRAWING NUMBER-----163407  
 ISSUE---N

## **Procedures for Characterization/Data Entry of Simple Parts**

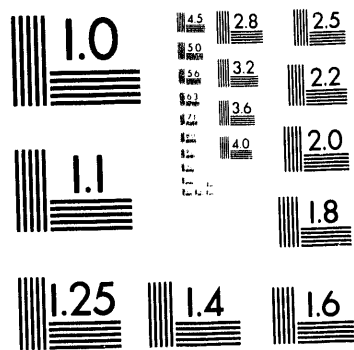
### **Example 3**

Part Number 181211-00 for a flat washer describes a cadmium-plated part that can be recycled. Drawing 181211 refers to MS20002. Both documents are provided, at the end of this section, with corresponding callouts that show where to get the information for data entry.

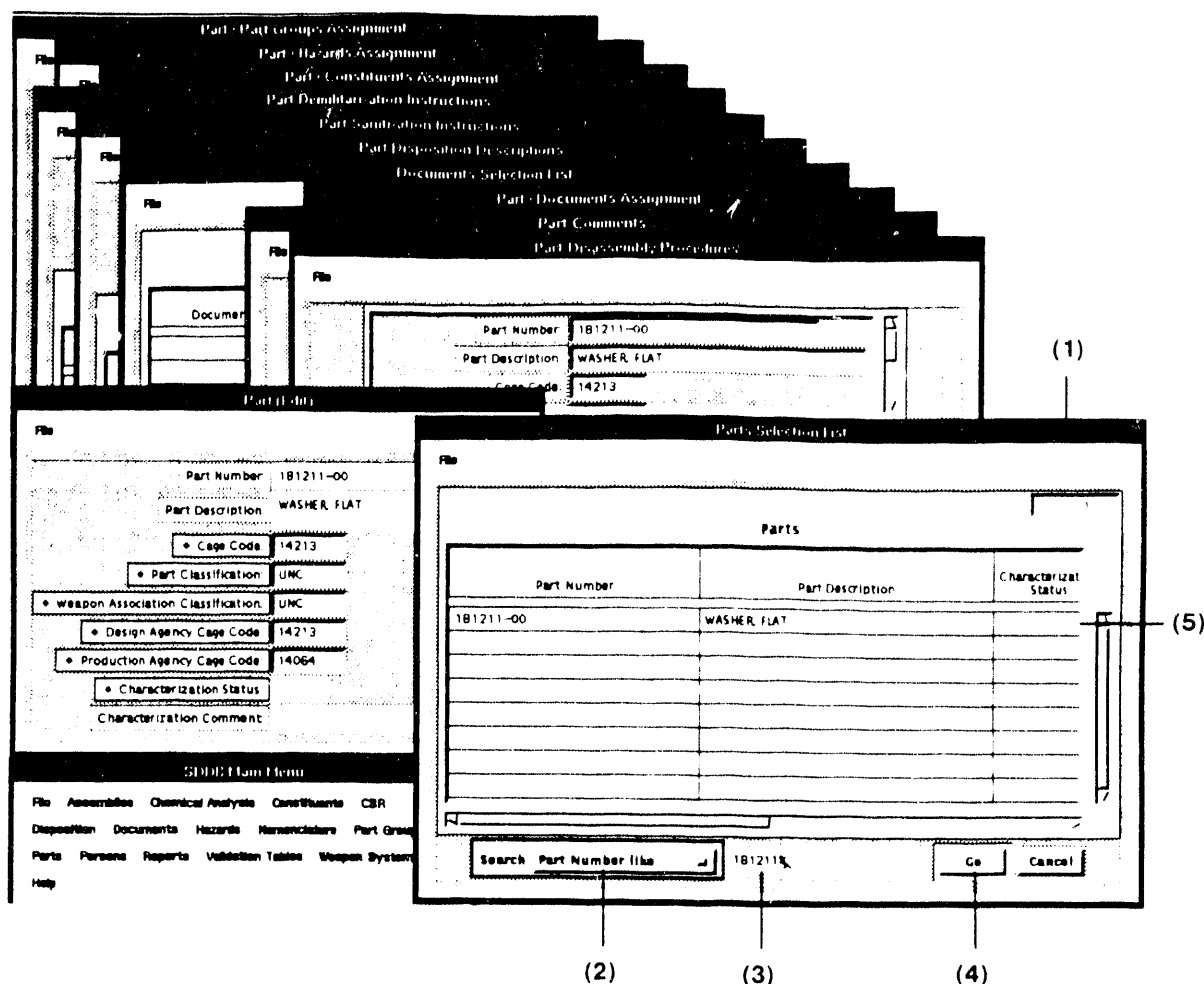
**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

Refer to the Log-in Procedure in the General Section to log in and to set up the window arrangement from the **SDDB Main Menu**.

**NOTE:** The top bar of the active window is a different color or shade from the inactive windows.



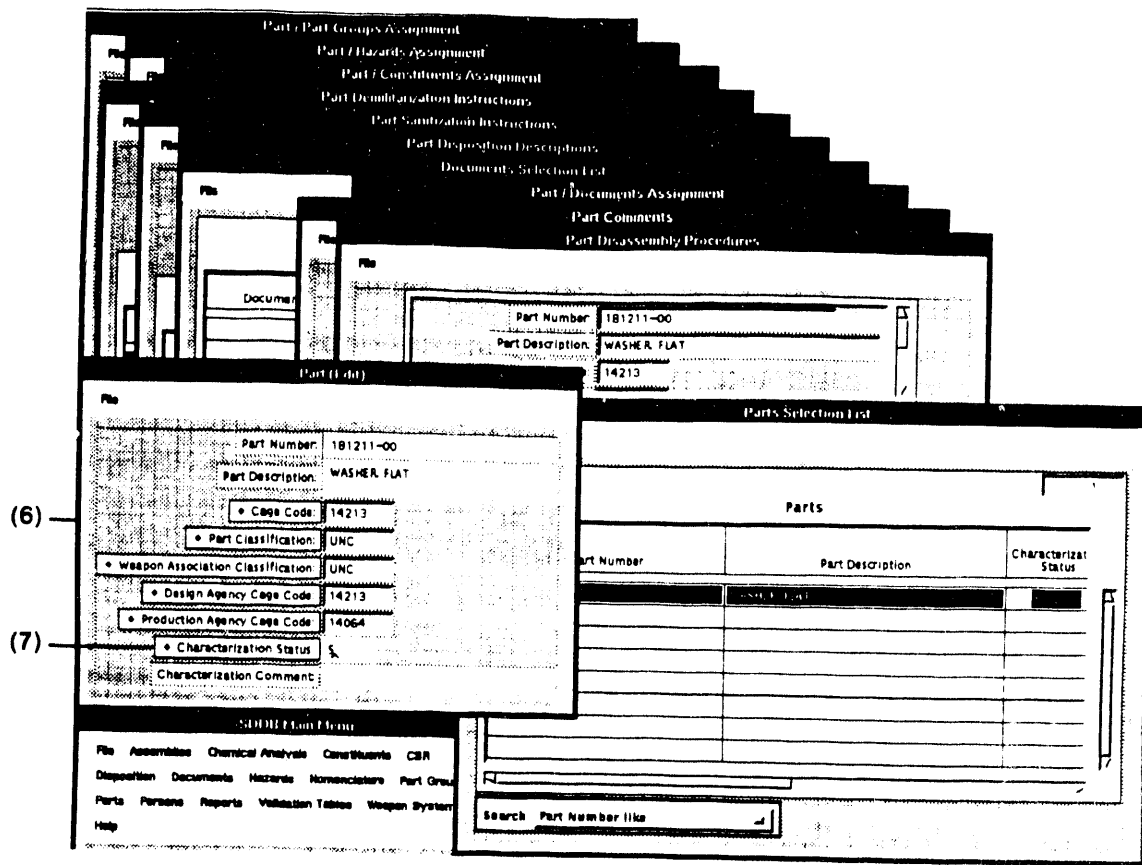
**2 of 4**



## Parts Selection List

- Activate the **Parts Selection List** window by clicking on the top bar of the window, located at the lower right side of the screen. (1)
- Select Part Number Like/Part Number Like at the bottom of the window to display a text box. (2)
- Type the six-digit portion of the part number to be characterized (181211) as it appears in the Design Agency Part Number column on the drawing. (3)
- Press the Return key or click the Go button in the window. A parts list is displayed. (4)
- Highlight the appropriate row for the suffix to be characterized (181211-00) from the listing in the **Parts Selection List** window. (5)





## Part (Edit)

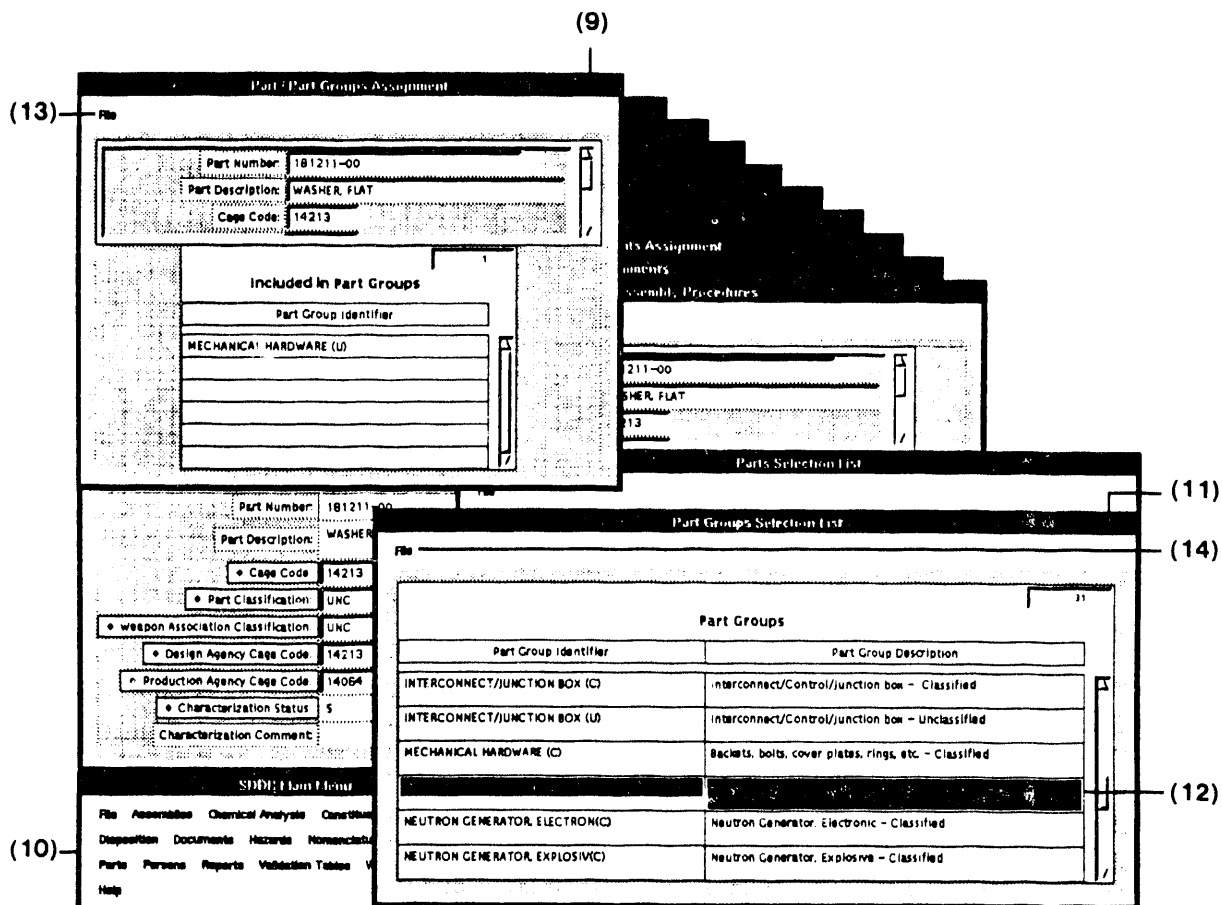
### Characterization Status

- Activate the **Part (Edit)** window by clicking on the outline of the window located above the **SDDB Main Menu**. (6)

NOTE: A text box that includes a diamond symbol (◆) indicates that a pick list has to be accessed to enter data into the text box. Access the pick list by clicking on the diamond and making the appropriate selection from the pick list window. A text box without a diamond symbol indicates that information must be typed. For consistency, type the information in capital letters.

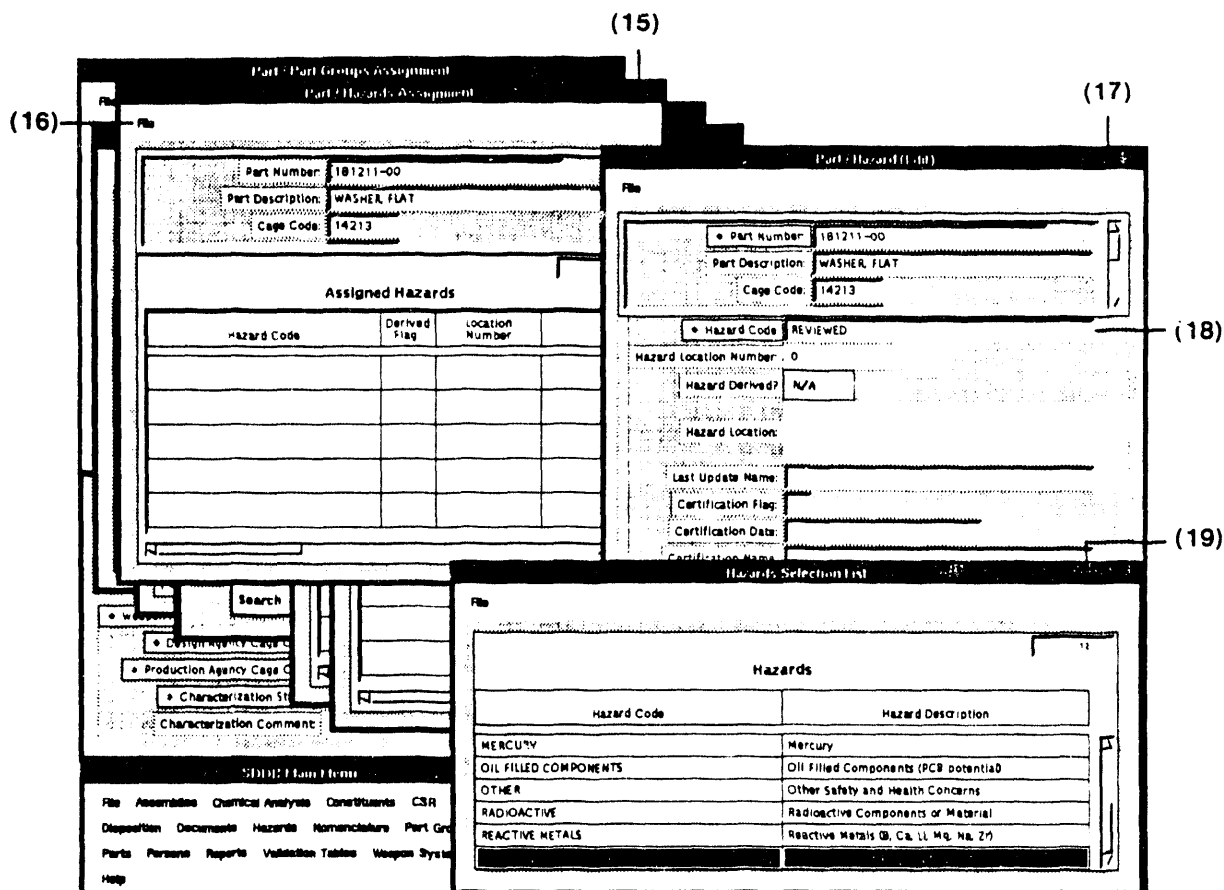
- Click on the diamond symbol in the Characterization Status box to activate the **Type Codes Selection List** window. (7)
- Position this window in a convenient location to be easily accessed.
- Highlight the row labeled S. This code indicates that the characterization has started.
- Select File/Close in the **Type Codes Selection List** window.





## Part/Part Groups Assignment

- Activate the **Part/Part Groups Assignment** window by clicking in the first step of the window arrangement. (9)
- Select Part Groups/Part Groups from the **SDDB Main Menu** on the lower left side of the screen to activate the **Part Groups Selection List** window. (10)
- Position this window in a convenient location to be easily accessed. (11)
- Use the scroll bar at the right side of the window to move through the list of part groups.
- Highlight the Mechanical Hardware (U) row for the part group according to the Demilitarization and Sanitization for Disposition (DSD) General Guidance Manual (Appendix A). A line in the Part Classification of the drawing title block indicates that the classification level is unclassified. (12)
- Select File/Add in the **Part/Part Groups Assignment** window to assign the part group to the part being characterized. These selections transfer the information to the **Part/Part Groups Assignment** window. (13)
- Select File/Close in the **Part Groups Selection List** window. (14)



## Part/Hazards Assignment

The input of this information requires activity in three windows: the **Part/Hazards Assignment**, **Part/Hazard (Edit)**, and the **Hazards Selection List** windows.

- Activate the **Part/Hazards Assignment** window by clicking in the next step of the window arrangement. (15)

**NOTE:** Personnel entering the data should review the documentation package for hazards. For additional guidance, consult with engineering staff having design knowledge about the part.

- Select File/Edit to activate the **Part/Hazard (Edit)** window. (16)
- Position this window in a convenient location to be easily accessed. (17)

### Hazard Code

- Click on the diamond symbol in the Hazard Code box to activate the **Hazards Selection List** window. (18)
- Position this window in a convenient location to be easily accessed. (19)
- Use the scroll bar on the right side of the window to move through the Hazards list.

Part - Part Groups Assignment  
Part - Hazards Assignment

Part Number: 181211-00  
Part Description: WASHER, FLAT  
Cage Code: 14213

Assigned Hazards

Hazard Code	Derived Flag	Location Number

Search

Design Agency Cage Code  
Production Agency Cage Code  
Characterization Status  
Characterization Comment

File Assembly Chemical Analysis Constituents CSR  
Disposition Documents Hazards Nomenclature Part Groups  
Parts Persons Reports Validation Tables Weapon Systems  
Help

Part - Hazard (Edit)

Part Number: 181211-00  
Part Description: WASHER, FLAT  
Cage Code: 14213

Hazard Code: REVIEWED

Hazard Location Number: 0  
Hazard Derived? N/A  
Hazard Location:   
Last Update Name:   
Certification Flag:   
Certification Date:   
Certification Name:

Hazards Selection List

Hazards	
Hazard Code	Hazard Description
MERCURY	Mercury
OIL FILLED COMPONENTS	Oil Filled Components (PCB potential)
OTHER	Other Safety and Health Concerns
RADIOACTIVE	Radioactive Components or Material
REACTIVE METALS	Reactive Metals (B, Ca, Li, Mg, Na, Zr)

(20)

- Highlight REVIEWED on the Hazards list because no process will be performed on the part (Part/Part Group – DSD General Guidance Manual) and the listed hazards are not applicable for the part being addressed. This selection will show in the Hazard Code box of the **Part/Hazard (Edit)** window. (20)

**Part: Part Groups Assignment**

Part Number: 181211-00  
 Part Description: WASHER, FLAT  
 Cage Code: 14213

**Assigned Hazards**

Hazard Code	Derived Flag	Location Number

• Weapon Association Classification: UMC  
 • Design Agency Cage Code: 14213  
 • Production Agency Cage Code: 14064  
 • Characterization Status: S  
 Characterization Comment:

**Part: Hazard (Edit)**

Part Number: 181211-00  
 Part Description: WASHER, FLAT  
 Cage Code: 14213

• Hazard Code: REVIEWED  
 Hazard Location Number: 0  
 Hazard Derived?: N/A  
 Hazard Location:   
 Last Update Name: Rosemarie Renn  
 Certification Flag:   
 Certification Date:   
 Certification Name:   
 Certify Data for Transmission: Null

Search Part Number like

#### *Hazard Derived?*

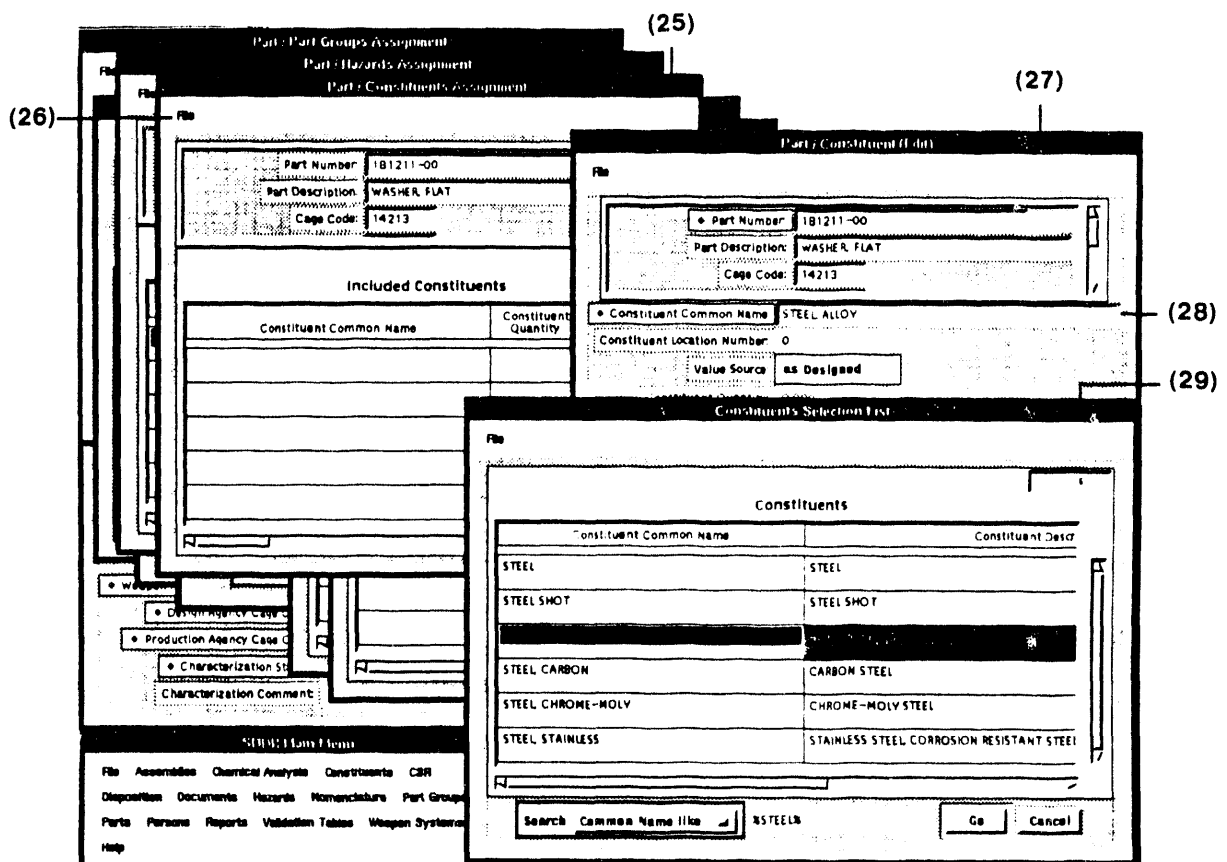
- Click N/A in the Hazard Derived box because no process will be performed and REVIEWED has been selected. (21)

#### *Hazard Location*

- The Hazard Location text box does not receive an entry when the hazard code is REVIEWED. (22)

#### *Save Entries*

- Select File/Add in the **Part/Hazard (Edit)** window to assign the part hazards to the part. These selections transfer the information to the **Part/Hazards Assignment** window. (23)
- Select File/Close in the **Part/Hazard (Edit)** window. These selections also close accessed windows. (24)

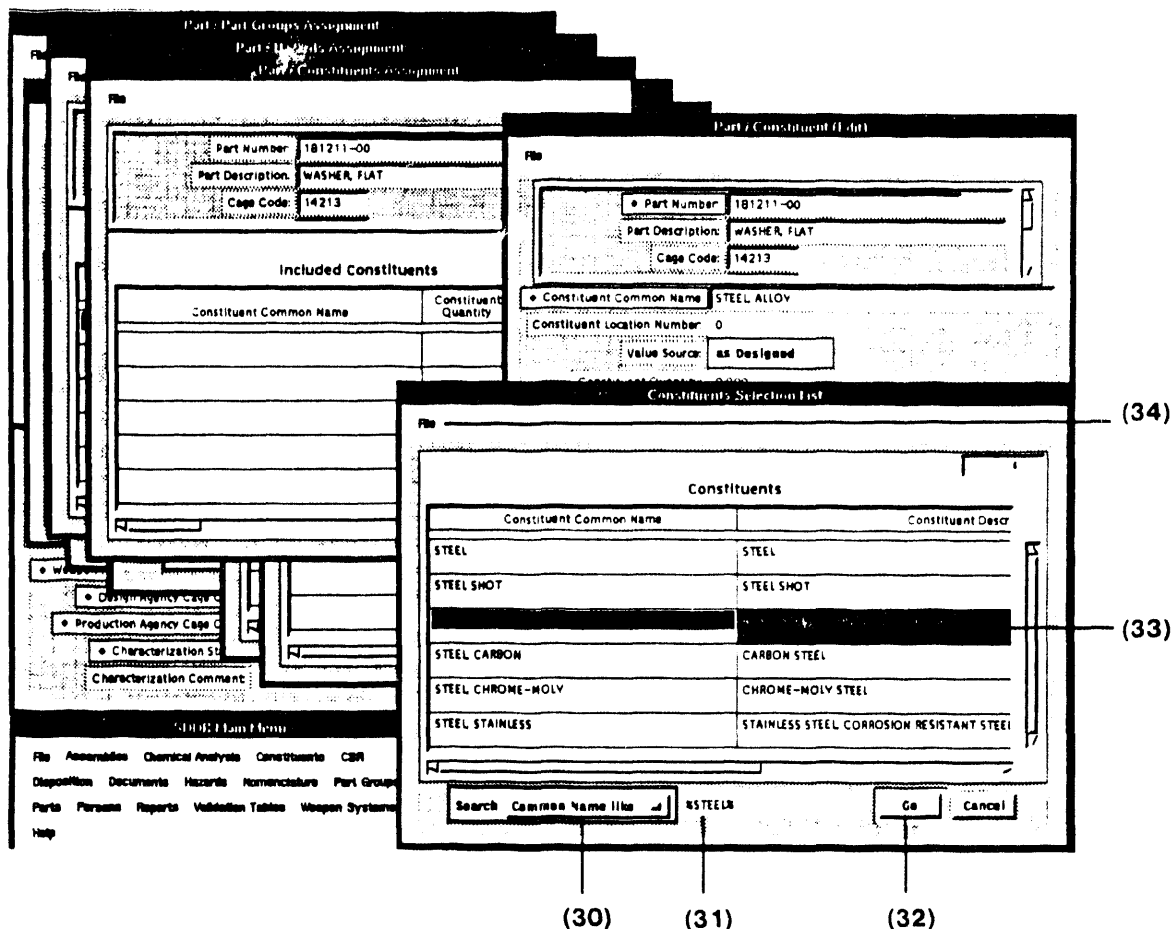


## Part/Constituents Assignment

- Activate the **Part/Constituents Assignment** window by clicking in the next step of the window arrangement. (25)
- Select File/Edit to activate the **Part/Constituent (Edit)** window. (26)
- Position this window in a convenient location to be easily accessed. (27)

### *Constituent Common Name*

- Click on the diamond symbol in the Constituent Common Name box to activate the **Constituents Selection List** window. (28)
- Position this window in a convenient location to be easily accessed. (29)
- Find materials that make up the part from the documents that describe the part. Note 1 on Drawing 181211 refers to document MS20002. C4 indicates a counter-sunk washer for a 1/4 thread size. The material and finish are found on document MS20002.



- Select Common Name Like/Common Name Like to display a text box. (30)
- Type the constituent common name for the material indicated on MS20002 (% STEEL). The % sign is a wild card character that ensures a complete list for the constituent. (31)
- Press the Return key or click the Go button in the window. A constituent list is displayed. (32)
- Use the scroll bar on the right side of the window to move through the constituents list.
- Highlight the STEEL, ALLOY row to transfer the information to the **Part/Constituent (Edit)** window. (33)
- Select File/Close in the **Constituents Selection List** window. (34)



Part: Part Groups Assignment  
Part: Hazards Assignment  
Part: Constituents Assignment

File

Part Number: 181211-00  
Part Description: WASHER, FLAT  
Cage Code: 14213

Included Constituents

Constituent Common Name	Constituent Quantity

• Design Agency Cage Code  
• Production Agency Cage Code  
• Characterization Statement  
Characterization Comment

Part: Constituent (1 of 1)

• Part Number: 181211-00  
Part Description: WASHER, FLAT  
Cage Code: 14213

• Constituent Common Name: STEEL ALLOY

Constituent Location Number: 0

Value Source: as Designed

Constituent Quantity: 0.000

Units

Constituent Location: 1330 or 4130

Part Constituent Comment

Last Update Name: Rosemarie Renn

Certification Flag

Certification Data

Certification Name

Certify Data for Transmission: Null

Search: Part Number like

File Assembly Chemical Analysis Constituents CSR  
Disposition Documents Hazards Nomenclature Part Groups  
Parts Persons Reports Validation Tables Weapon Systems  
Help

**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

### *Constituent Quantity and Units*

- Since the quantity of the constituent material is not readily available, leave the Quantity and Units text boxes blank. (35)

### *Constituent Location*

- The Constituent Location text box does not need an entry when the constituent applies to the whole part or a majority of the part. (36)

### *Part Constituent Comment*

- Click in the Part Constituent Comment text box. Type the material specification from MS20002 (1330 or 4130). (37)

### *Save Entries*

- Select File/Add to transfer the information to the **Part/Constituents** window. (38)

Part - Part Groups Assignment  
Part - Hazard Assignment  
Part - Constituents Assignment

Part Number: 181211-00  
Part Description: WASHER, FLAT  
Cage Code: 14213

Included Constituents

Constituent Common Name	Constituent Quantity

Design Agency Cage Code  
Production Agency Cage Code  
Characterization Status  
Characterization Comment

SDDP: Main Menu

File Assembly Chemical Analysis Constituents CBR  
Disposition Documents Hazards Nomenclature Part Groups  
Parts Persons Reports Validation Tables Weapon Systems  
Help

Part - Constituent (Edit)

Part Number: 181211-00  
Part Description: WASHER, FLAT  
Cage Code: 14213

Constituent Common Name: CADMIUM  
Constituent Location Number: 0  
Value Source: as Designed  
Constituent Quantity: 0.000

Constituents Selection List

Constituents

Constituent Common Name	Constituent Desc
01-CADMIUM MERCURY SULFIDE, BARIUM SULFA	01-CADMIUM MERCURY SULFIDE, BARIUM SULF.
CADMIUM CHLORIDE, HYDRATED	CADMIUM CHLORIDE, HYDRATED
CADMIUM NITRATE	CADMIUM NITRATE
CADMIUM OXIDE FUME	CADMIUM OXIDE FUME
CADMIUM SALT	CADMIUM SALT

Search Common Name like CADMIUMS

Go Cancel

(39)

- Repeat Steps 28 through 34 for cadmium finish from MS20002. (39)

Part: Part Groups Assignment  
Part: Hazards Assignment  
Part: Constituents Assignment

File

Part Number: 181211-00  
Part Description: WASHER, FLAT  
Cage Code: 14213

Included Constituents

Constituent Common Name	Constituent Quantity
STEEL ALLOY	0.000

• Design Agency Cage Code  
• Production Agency Cage Code  
• Characterization Statement  
Characterization Comment:

Part: Constituent (Edit)

• Part Number: 181211-00  
Part Description: WASHER, FLAT  
Cage Code: 14213

• Constituent Common Name: CADMIUM

Constituent Location Number: 0

Value Source: as Designed

Constituent Quantity: 0.000

• Units:

Constituent Location:

Part Constituent Comment: PLATED PER QQ-P-416, TYPE II CLASS 2 OR CLASS 3

Last Update Name: Rosemarie Renn

Certification Flag:

Certification Date:

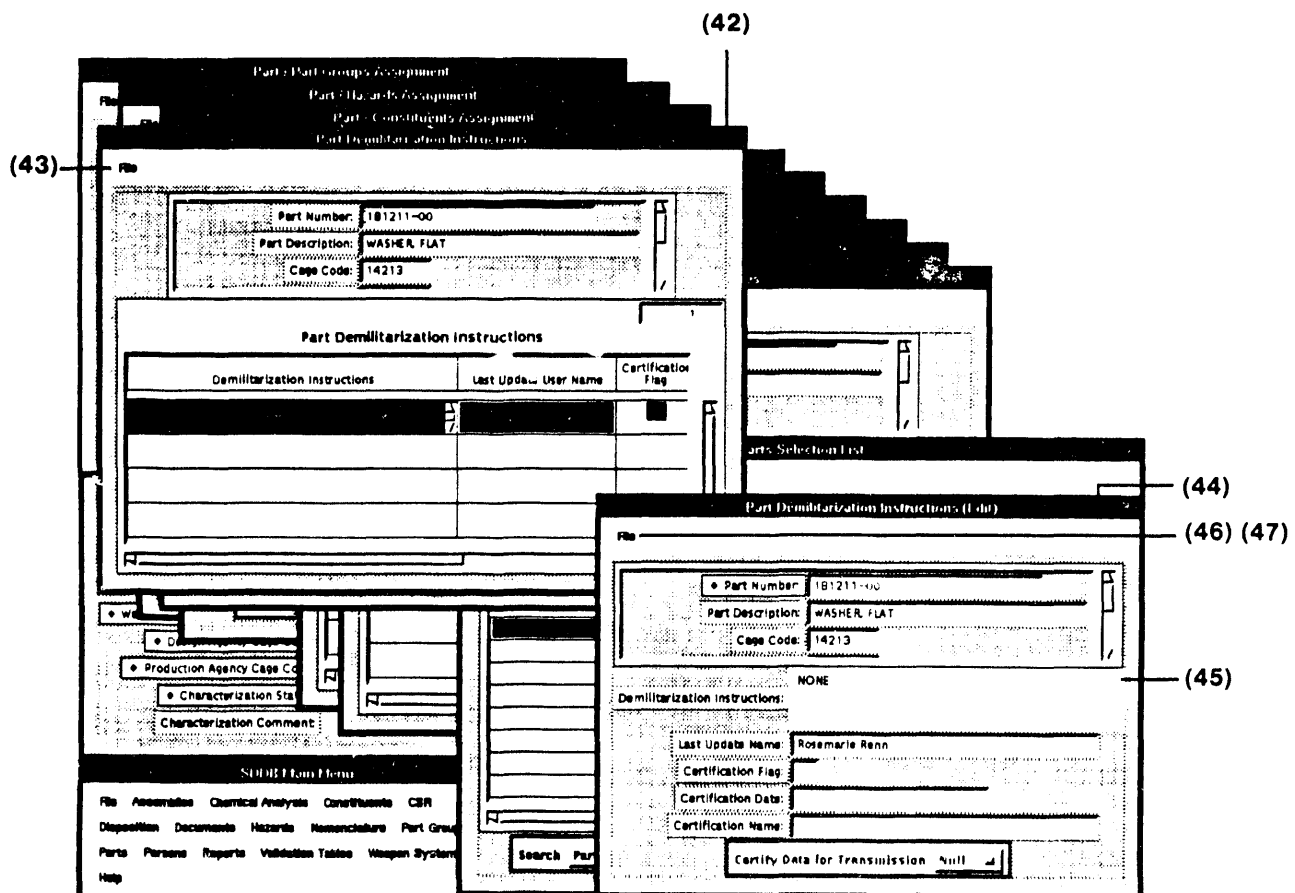
Certification Name:

Certify Data for Transmission: Null

Search: Part Number (like)

File Assembly Chemical Analysis Constituents CSR  
Disposition Documents Hazards Nomenclature Part Groups  
Parts Persons Reports Validation Tables Weapon Systems  
Help

- Repeat Steps 35 through 38 for cadmium finish from MS20002. (40)
- Select File/Close in the **Part/Constituent (Edit)** window. (41)



## Part Demilitarization Instructions

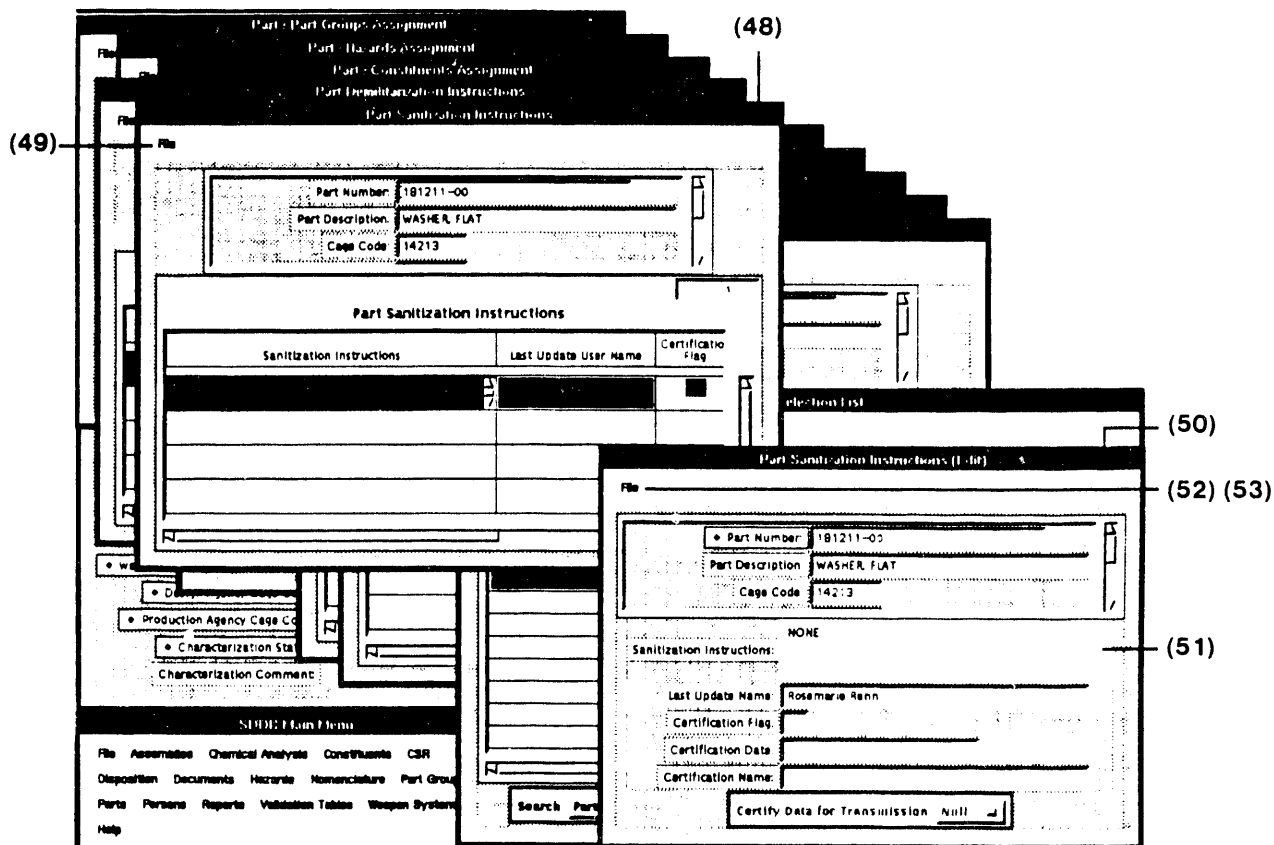
- Activate the **Part Demilitarization Instructions** window by clicking in the next step of the window arrangement. (42)
- Select File/Edit to activate the **Part Demilitarization Instructions (Edit)** window. (43)
- Position this window in a convenient location to be easily accessed. (44)

### *Demilitarization Instructions*

- Refer to the DSD General Guidance Manual to determine if demilitarization is required for the Part Group that has been assigned to the part being characterized.
- Click in the **Demilitarization Instructions** text box. Type NONE because demilitarization is not required for mechanical hardware. (45)

### *Save Entries*

- Select File/Add to transfer the information to the **Part Demilitarization Instructions** window. (46)
- Select File/Close in the **Part Demilitarization Instructions (Edit)** window. (47)



## Part Sanitization Instructions

- Activate the **Part Sanitization Instructions** window by clicking in the next step of the window arrangement. (48)
- Select File/Edit to activate the **Part Sanitization Instructions (Edit)** window. (49)
- Position this window in a convenient location to be easily accessed. (50)

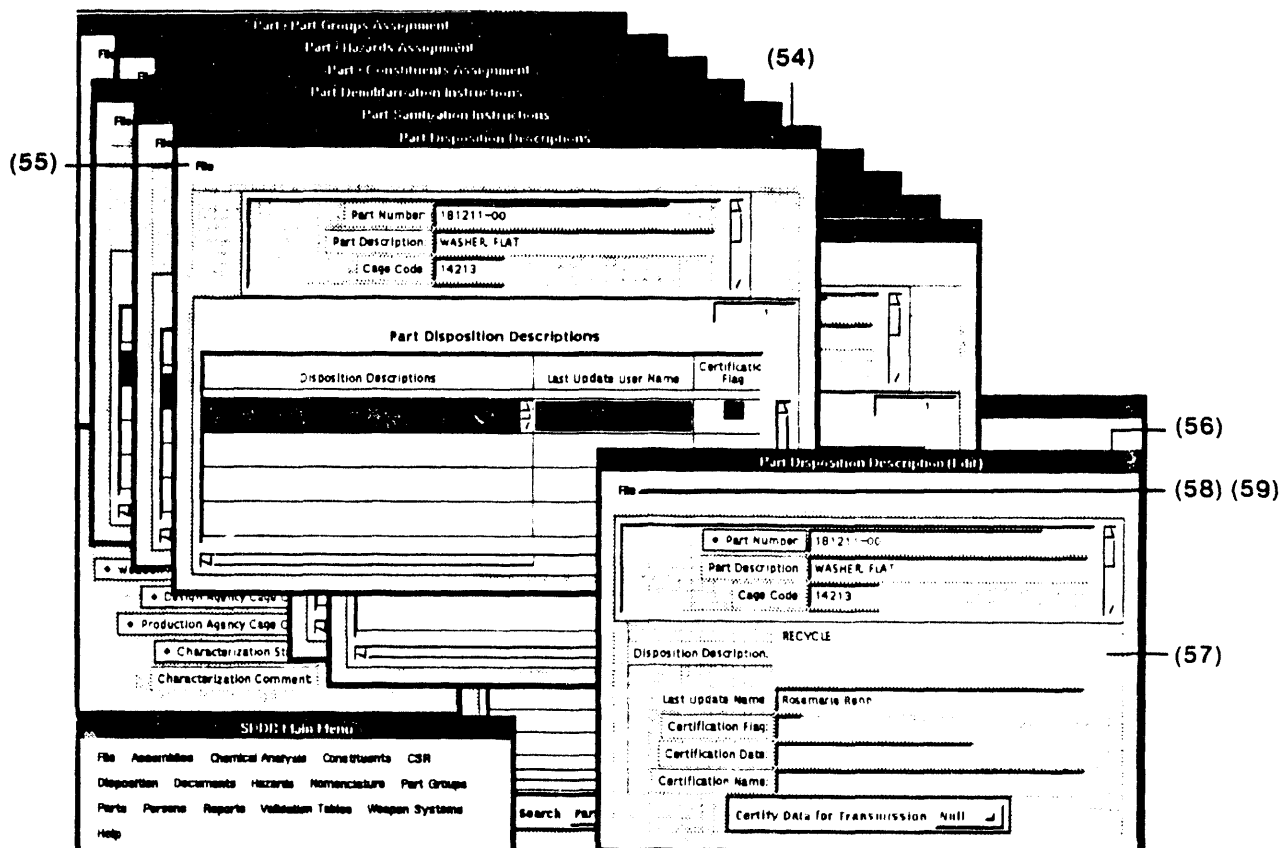
**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

### *Sanitization Instructions*

- Click in the Sanitization Instructions text box. Type NONE because a line in the part classification of the title block for drawing 181211 indicates that the classification level is unclassified. (51)

### *Save Entries*

- Select File/Add in the **Part Sanitization Instructions (Edit)** window to transfer the information to the **Part Sanitization Instructions** window. (52)
- Select File/Close in the **Part Sanitization Instructions (Edit)** window. (53)



## Part Disposition Descriptions

- Activate the **Part Disposition Descriptions** window by clicking in the next step of the window arrangement. (54)
- Select File/Edit to activate the **Part Disposition Description (Edit)** window. (55)
- Position this window in a convenient location to be easily accessed. (56)

### *Disposition Descriptions*

Recycling of metal parts, when possible, meets waste minimization criteria.

- Click in the Disposition Description text box. Type RECYCLE. (57)

### *Save Entries*

- Select File/Add to transfer the information to the **Part Disposition Descriptions** window. (58)
- Select File/Close in the **Part Disposition Description (Edit)** window. (59)

## Documents

- Activate the **Documents Selection List** window by clicking in the next step of the file arrangement.

**NOTE:** This is a list of all documents in the database. Add the documents that have provided characterization data to this section. Fill in all information blocks. This input requires activity in several documents windows.

### *Document Search*

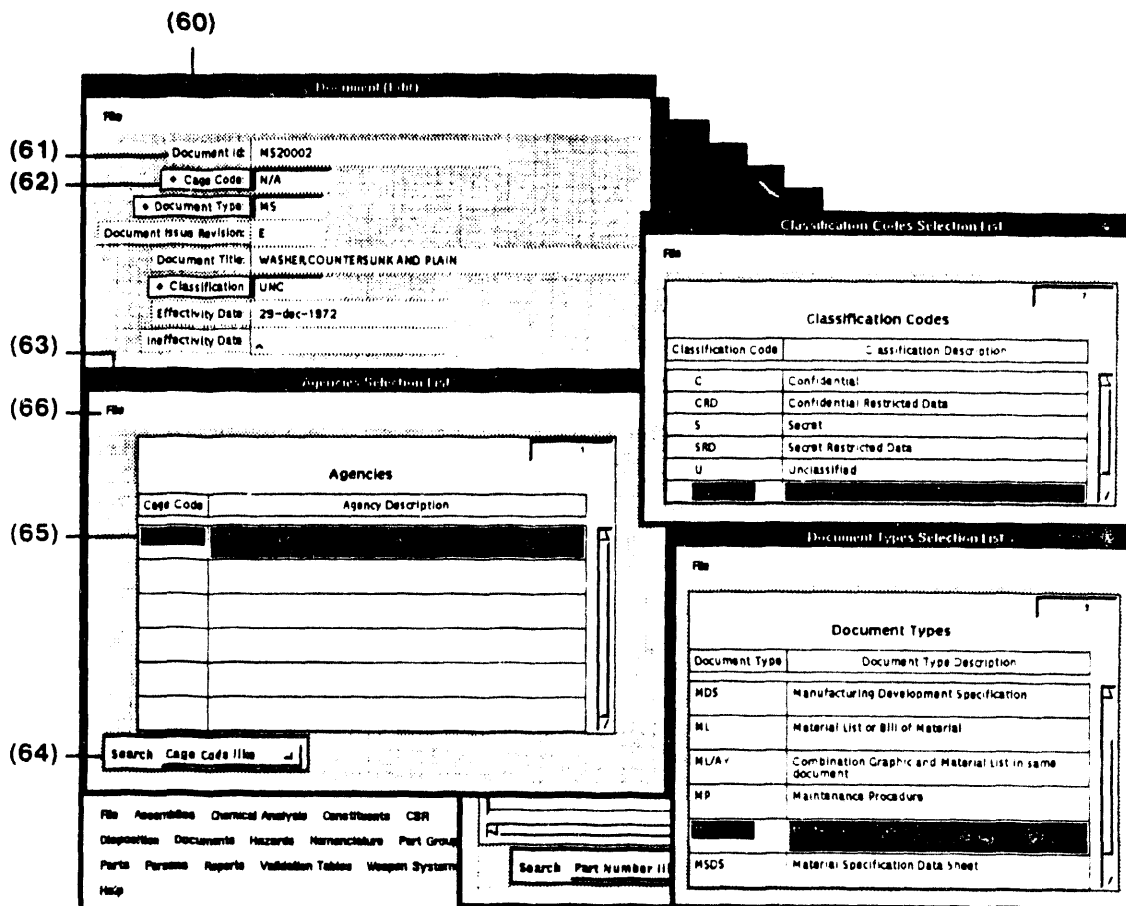
- Select Document ID Like/Document ID Like to display a text box.

**CAUTION:** A document will not appear in the Document Identifier list until it is searched for the first time, even though it may be in the database.

- Type Document Identifier/Drawing Number from the document package.
- Press the Return key or click the Go button in the window.
- If the document is found, highlight the appropriate row and proceed directly to Step 80.
- If the document is not found, click OK.

### *Document Entry*

- Select File/Edit in the **Documents Selection List** window to activate the **Document (Edit)** window.



- Position the window in a convenient location to be easily accessed. (60)

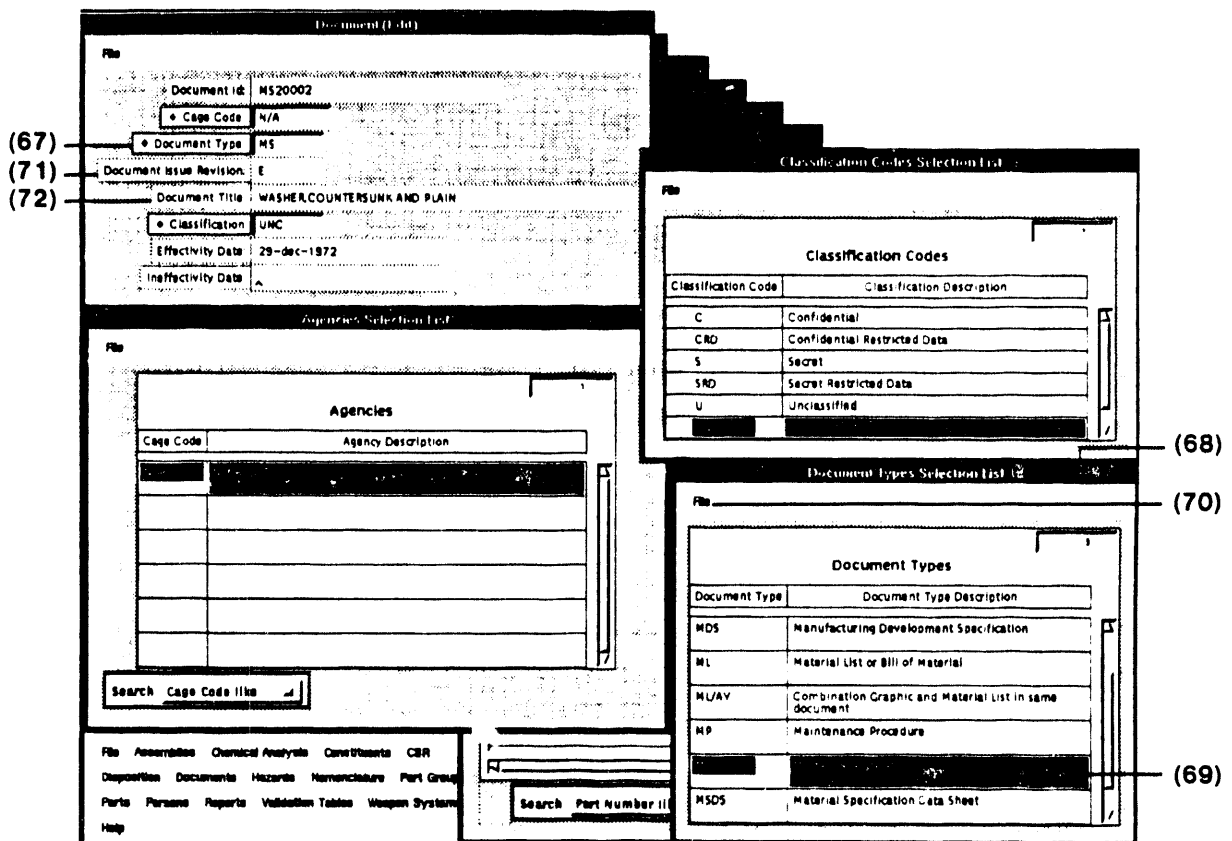
#### Document ID

- Click in the Document ID text box in the Document (Edit) window. Type MS20002 from the document title block. (61)

#### Cage Code

- Click on the diamond symbol in the Cage Code box to activate the Agencies Selection List window. (62)
- Position this window in a convenient location to be easily accessed. (63)
- Select Cage Code Like/Cage Code Like to display a text box. (64)
- Type N/A.
- Press the Return key or click the Go button in the window. A Cage Codes and Agency Descriptions list is displayed.
- Highlight the appropriate row to transfer the code number to the Document (Edit) window. (65)
- Select File/Close in the Agencies Selection List window. (66)





### Document Types

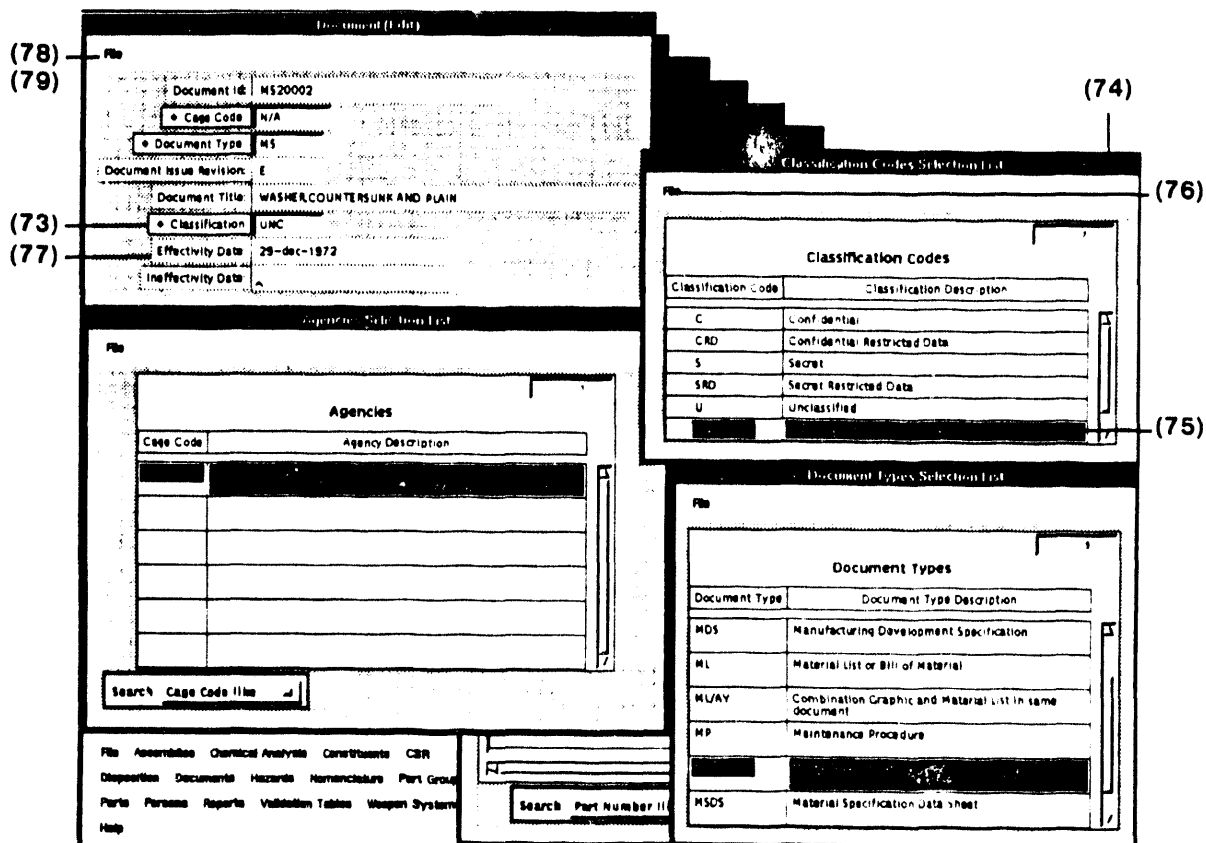
- Click the diamond symbol in Document Types box to activate the **Document Types Selection List** window. (67)
- Position this window in a convenient location to be easily accessed. (68)
- Use the scroll bar at the right side of the window to move through the list of document types.
- Highlight the MS row for military standards. This selection transfers the information to the **Document (Edit)** window. (69)
- Select File/Close in the **Document Types Selection List** window. (70)

### Document Issue Revision

- Click in the Document Issue Revision text box in the **Document (Edit)** window. Type the latest issue (E) from the REVISED line on MS20002. (71)

### Document Title

- Click in the Document Title text box. Type as much of the title as will fit from the title block on MS20002 (WASHER,COUNTERSUNK AND PLAIN). (72)



### Classification

- Click the diamond symbol in Classification box to activate the **Classification Codes Selection List** window. (73)
- Position this window in a convenient location to be easily accessed. (74)
- Determine the document classification from information on the title block of the document.
- Highlight the UNC row for the classification code to transfer the information to the **Document (Edit)** window. (75)
- Select File/Close in the **Classification Codes List** window. (76)

### Effectivity Date

- Click in the Effectivity Date text box. Type 12-29-72 or 12/29/72. (77)

### Save Entries

- Select File/Add in the **Document (Edit)** window to transfer the information to the **Documents Selection List** window. (78)
- Select File/Close in the **Document (Edit)** window. (79)

Part: Part Groups Assignment  
 Part: Hazards Assignment  
 Part: Production Agency Assignment  
 Part: Documentation Instructions  
 Part: Sanitization Instructions  
 Part: Disposition Description  
 Documents Selection List

(80)

Document Identifier	Cage Code	Document Type	Issue/Revision	Document Title
MS20002	N/A	MS	E	WASHER, COUNTERSUNK & PLAIN

Search Document ID like MS20002

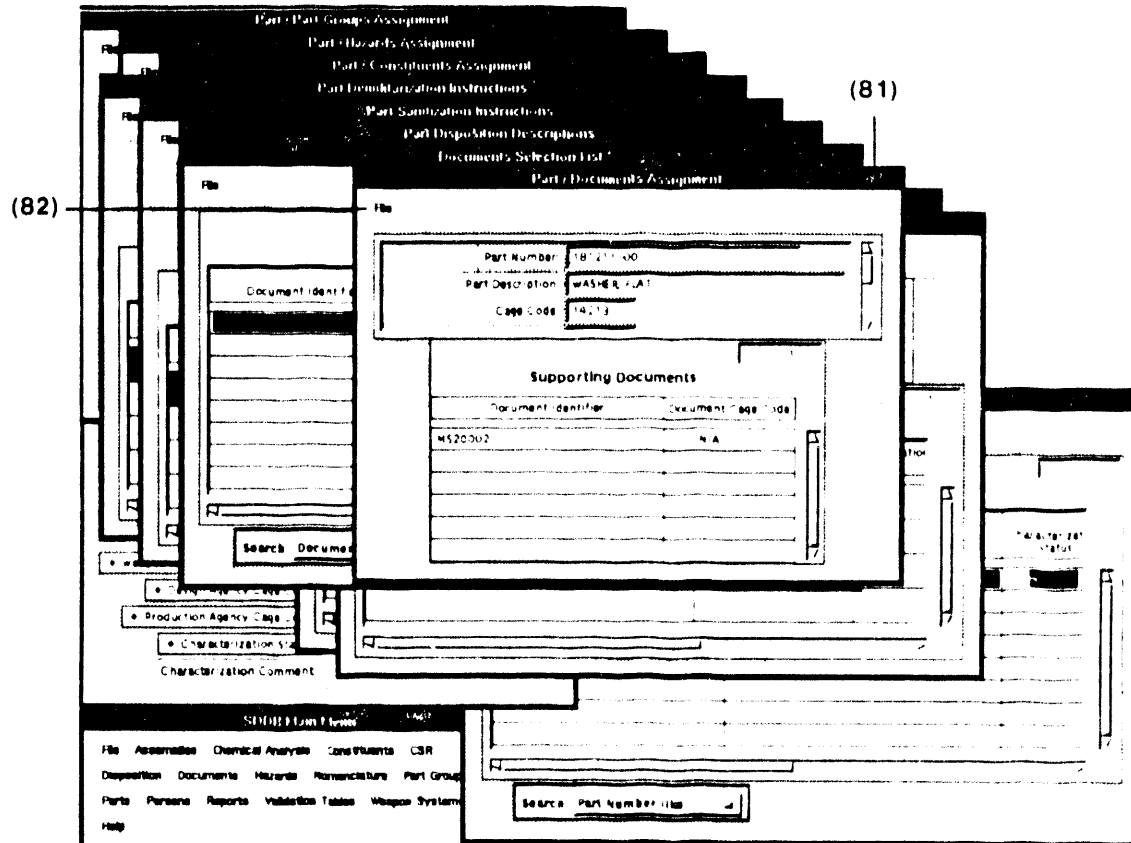
Document (1 of 1)

Document ID: MS20002  
 Cage Code: N/A  
 Document Type: MS  
 Document Issue Revision: E  
 Document Title: WASHER, COUNTERSUNK & PLAIN  
 Classification: URC  
 Effectivity Date: 29-dec-1972  
 Ineffectivity Date:  

Search

File Assembly Chemical Analysis Characteristics CSR  
 Disposition Documents Hazards Nomenclature Part Group  
 Parts Persons Reports Validation Tables Weapon Systems  
 Help

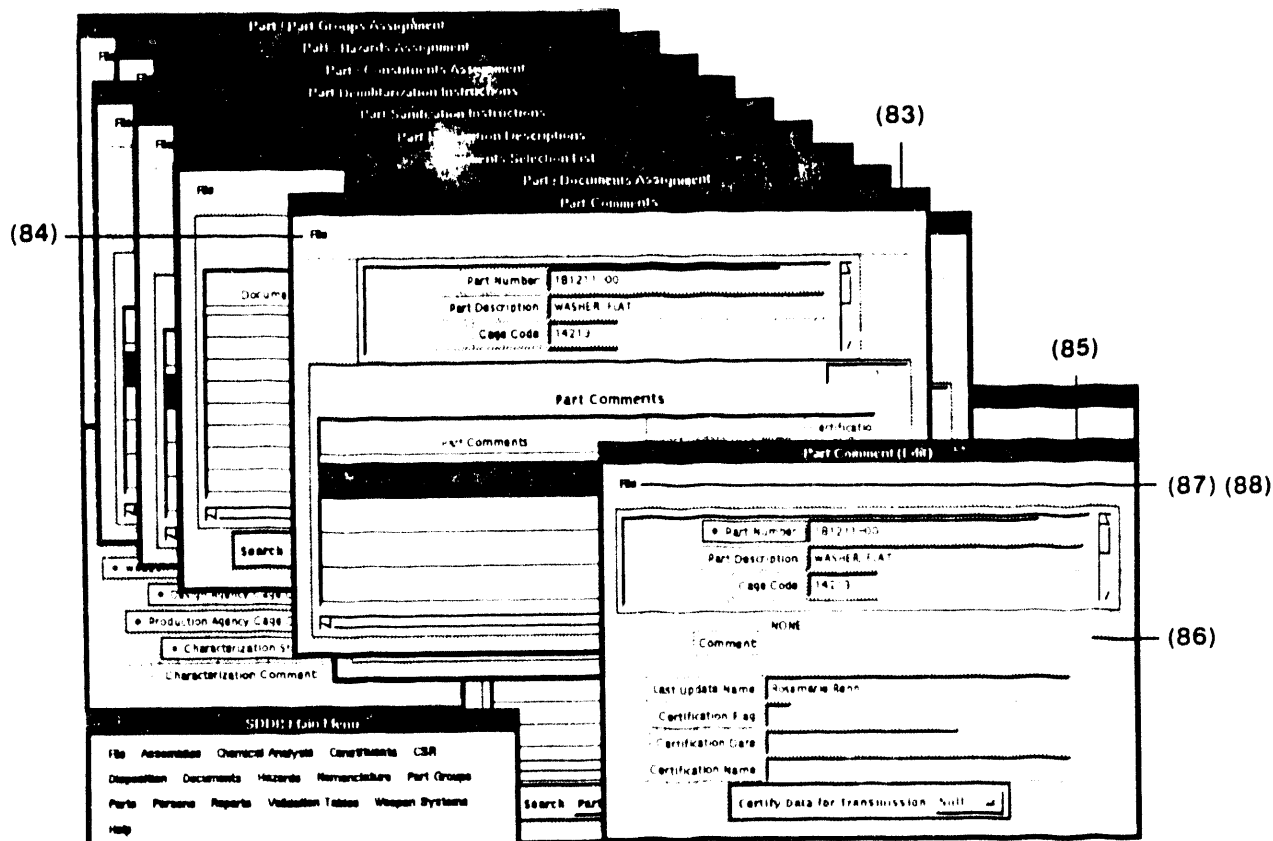
- Highlight the appropriate row in the **Documents Selection List** window. (80)



## Part/Documents Assignment

- Activate the **Part/Documents Assignment** window by clicking in the next step of the window arrangement. (81)
- Select **File/Add** to assign the document highlighted in the **Documents Selection List** window to the part being characterized. The document will be listed in the Supporting Documents list of the **Part/Documents Assignment** window. (82)

**NOTE:** Only documents that provide actual constituent or process information get associated with the part.



## Part Comments

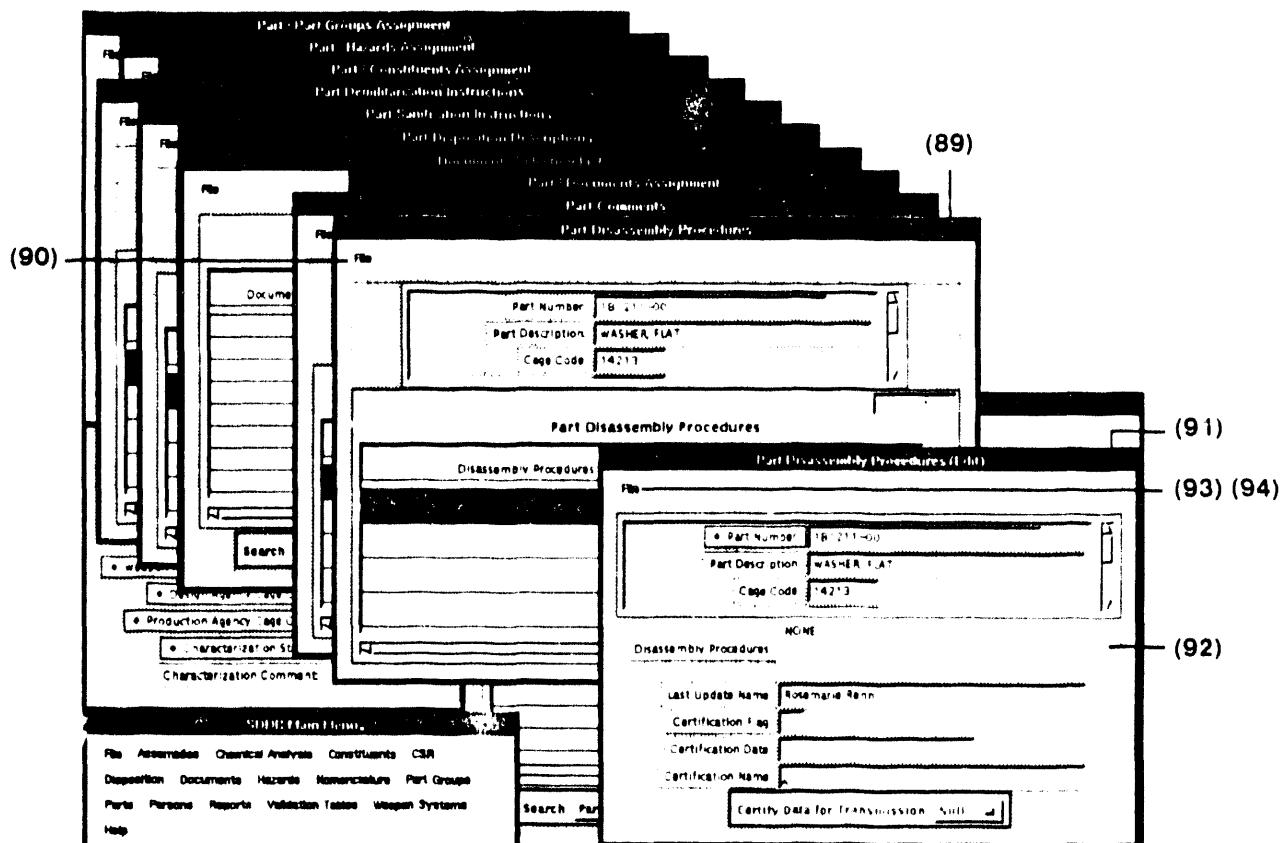
- Activate the **Part Comments** window by clicking in the next step of the window arrangement. (83)
- Select File/Edit to activate the **Part Comment (Edit)** window. (84)
- Position the window in a convenient location to be easily accessed. (85)

### Comment

- Click in the Comment box. Type NONE. (86)

### Save Entries

- Select File/Add to transfer the information to the **Part Comments** window. (87)
- Select File/Close in the **Part Comment (Edit)** window. (88)



## Part Disassembly Procedures

- Activate the **Part Disassembly Procedures** window by clicking in the next step of the window arrangement. (89)
- Select File/Edit to activate the **Part Disassembly Procedures (Edit)** window. (90)
- Position the window in a convenient location to be easily accessed. (91)

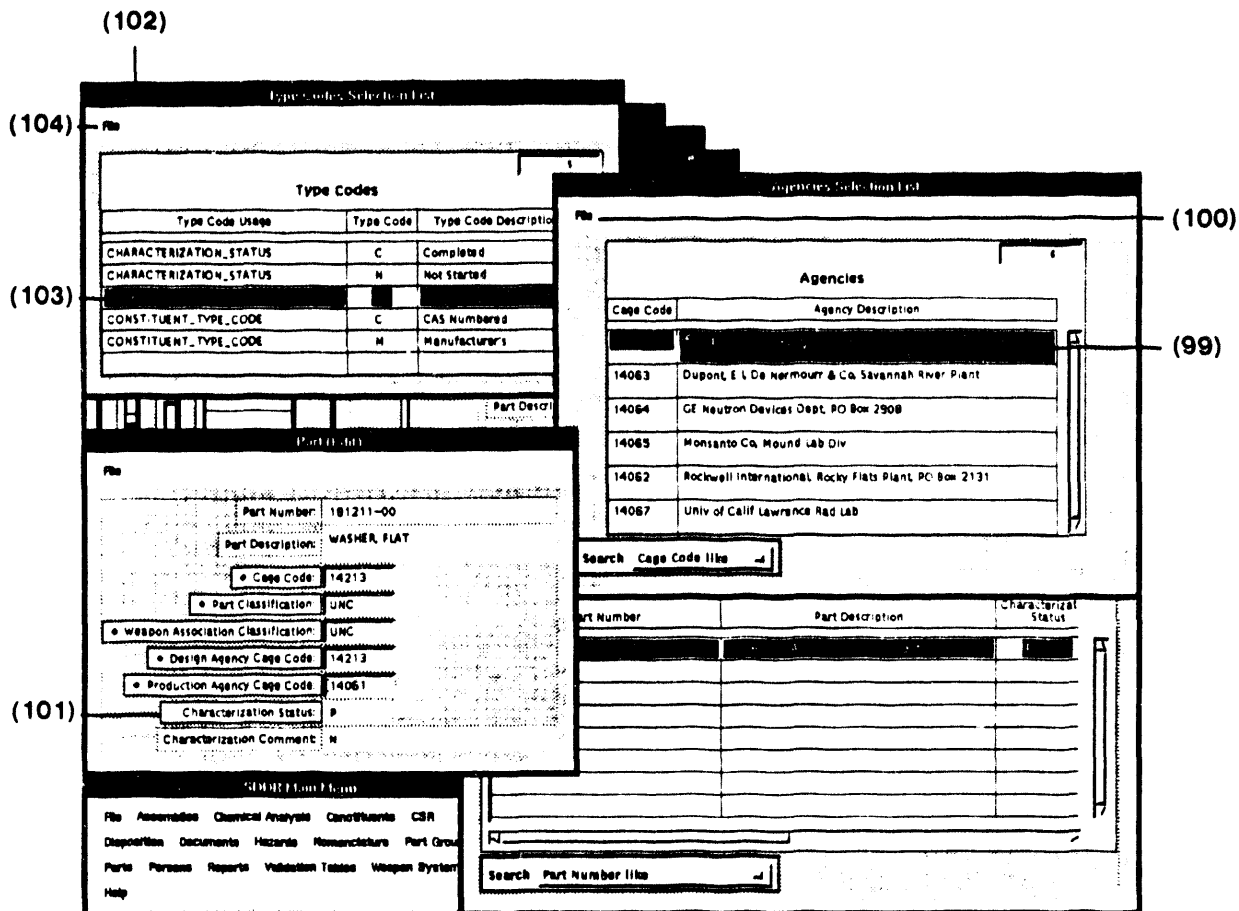
### Disassembly Procedures

- Click in the Disassembly Procedures text box. Type NONE. (92)

### Save Entries

- Select File/Add to transfer the information to the **Part Disassembly Procedures** window. (93)
- Select File/Close in the **Part Disassembly Procedures (Edit)** window. (94)





- Type 140 to get a list of most production agencies.
- Press the Return key or click the Go button in the window. A Cage Codes and Agency Descriptions list is displayed.
- Highlight the 14061 row to transfer the code number to the **Document (Edit)** window. (99)
- Select File/Close in the **Agencies Selection List** window. (100)

#### Characterization Status

- Click on the diamond symbol in the Characterization Status box to activate the **Type Codes Selection List** window. (101)
- Position this window in a convenient location to be easily accessed. (102)
- Highlight the row labeled P. This code indicates that the characterization is partially complete. It also indicates that the characterization is ready for review and Internal QA/QC. (103)
- Select File/Close in the **Type Codes Selection List** window. (104)

#### Characterization Comment

- Click in the Characterization Comment text box. Type N because the part does not need to be returned from DoD custody.



(105)

**Type Codes Selection List**

Type Code Usage	Type Code	Type Code Description
CHARACTERIZATION_STATUS	C	Completed
CHARACTERIZATION_STATUS	N	Not Started
CONSTITUENT_TYPE_CODE	C	CAS Numbered
CONSTITUENT_TYPE_CODE	M	Manufacturer's

**Agencies Selection List**

Cage Code	Agency Description
14063	Dupont E L De Nemours & Co Savannah River Plant
14064	GE Neutron Devices Dept. PO Box 2908
14065	Monsanto Co. Mound Lab Div
14062	Rockwell International Rocky Flats Plant PO Box 2131
14067	Univ of Calif Lawrence Rad Lab

**Part (1 of 1)**

Part Number: 181211-00  
Part Description: WASHER, FLAT  
Cage Code: 14213  
Part Classification: UNC  
Weapon Association Classification: UNC  
Design Agency Cage Code: 14213  
Production Agency Cage Code: 14061  
Characterization Status: P  
Characterization Comment: N

**SEARCH Part Menu**

File Assemblies Chemical Analysis Constituents CSR  
Disposition Documents Hazards Nomenclature Part Group  
Parts Persons Reports Validation Tables Weapon System  
Help

**Agencies**

Cage Code	Agency Description
14063	Dupont E L De Nemours & Co Savannah River Plant
14064	GE Neutron Devices Dept. PO Box 2908
14065	Monsanto Co. Mound Lab Div
14062	Rockwell International Rocky Flats Plant PO Box 2131
14067	Univ of Calif Lawrence Rad Lab

Search: Cage Code like

Part Number	Part Description	Characterization Status

Search: Part Number like

### Save Entries

- Select File/Modify to transfer the information to the Part Selection List window. (105)

## NOTES

1. MAKE FROM HB000024 (B51629-00 REF) EXCEPT AS NOTED. ORIGINAL REQUIREMENTS OF HB000024 (B51629-00 REF) MUST BE MET UNLESS QUALIFIED HEREON.
2. FOR LBS DRAWING INTERPRETATION, SEE 1456102.
3. CHARACTERISTICS CONTROLLED BY THE MANUFACTURING AGENCY UNLY ARE DESIGNATED BY THE MUTATION (M)
4. CERTIFICATIONS PER REFERENCED, FEDERAL, DOD AND TECHNICAL SOCIETY SPECIFICATIONS ARE WAIVED.
5. LIMITS OF ACCEPTABLE WORKMANSHIP ARE DEFINED IN NQ0021.

PART NO. TABLE		REVISIONS			
DESIGN AGENCY PART NO.	MFG AGENCY PART NO.	REV	DESCRIPTION	DATE	CHKD
181211-00	181211-101	A	E A KOCISCH	12/30/44	WCF
(3)	(5)				

(12) (51)

DWS CLASSIFICATION LEVEL		PART CLASSIFICATION		SHEET INDEX												
CLASSIFICATION CATEGORY		ORD	DATE	INITIALS	SHEET 1 OF 1											
		7124	12/30/44	WCF	<div style="display: flex; justify-content: space-between;"> <div> <b>TITLE</b>  WASHER, FLAT </div> <div> <b>POST APPLICATION</b>  UD BX </div> </div>											
		7125	12/30/44	WCF												
		7126	12/30/44	WCF												
		7127	12/30/44	WCF												
		7128	12/30/44	WCF												
					<b>MFG AGENCY DWS NO.</b> 181211											
					<b>SCALE</b> 4/1 <b>DWG NO.</b> 181211 <b>SHEET</b> 1 OF 1											

FED. SUP CLASS-  
5310

COUNTERSUNK WASHER  
(FOR USE UNDER BOLT HEAD)

PLAIN WASHER  
(FOR USE UNDER NUT)

THREAD SIZE	MS PART NO.		A DIA	B DIA		C DIA		D	FLATNESS TOLERANCE MAX
	COUNTERSUNK	PLAIN		MAX	MIN	MAX	MIN		
1/4	MS20002C4	MS20002-4	.531	.260	.292	.344	.334		
5/16	MS20002C5	MS20002-5	.593	.324	.315	.406	.396	.078	.007
3/8	MS20002C6	MS20002-6	.687	.388	.378	.495	.483		
7/16	MS20002C7	MS20002-7	.781	.451	.441	.557	.543		.007
1/2	MS20002C8	MS20002-8	.875	.515	.504	.620	.604	.078	.007
9/16	MS20002C9	MS20002-9	.968	.579	.568	.667	.667		.010
5/8	MS20002C10	MS20002-10	1.062	.643	.631	.765	.765		
3/4	MS20002C12	MS20002-12	1.250	.770	.757	.910	.890	.078	.010
7/8	MS20002C14	MS20002-14	1.437	.897	.884	1.035	1.015		
1	MS20002C16	MS20002-16	1.625	1.025	1.010	1.160	1.140	.078	
1-1/8	MS20002C18	MS20002-18	1.875	1.150	1.135	1.285	1.265	.078	.010
1-1/4	MS20002C20	MS20002-20	2.125	1.275	1.260	1.447	1.427	.094	
1-3/8	MS20002C22	MS20002-22	2.313	1.400	1.385	1.572	1.552		
1-1/2	MS20002C24	MS20002-24	2.500	1.525	1.510	1.697	1.677	.094	.015

(31)

(37)

(39) (40) (2) MATERIAL: ALLOY STEEL, FEDERAL STANDARD NO. 66, STEEL NO. 1330, OR 4130.  
 HEAT TREAT: 125,000 TO 145,000 PSI, SPECIFICATION MIL-H-6875.  
 FINISH: CADMIUM PLATING PER QQ-P-416, TYPE II, CLASS 2. PARTS WITH CLASS 3 PLATING MAY BE FURNISHED FROM SUPPLIER'S STOCK UNTIL 1 JANUARY 1975

WASHERS SHALL BE FREE FROM ALL HANGING BURRS AND SLIVERS WHICH MIGHT BECOME DISLODGED UNDER USAGE.

WASHER FACES SHALL BE PARALLEL WITHIN .002 INCH.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS  $\pm .010$ , ANGLES  $\pm 1^\circ$ .

THESE WASHERS ARE PRIMARILY FOR USE WITH THE 160,000-PSI INTERNAL WRENCHING BOLTS SHOWN ON MS20004 THROUGH MS20024.

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

P.A. Navy - AS  
Other Cost  
Army - MC  
USAF - 69

TITLE  
WASHER, COUNTERSUNK AND PLAIN, HIGH STRENGTH

MILITARY STANDARD (69)  
**MS20002** (61)  
SHEET 1 OF 2

PROCUREMENT SPECIFICATION NONE

SUPERSEDES: HAS143

(72)

(77)

(71)

(69)

(61)

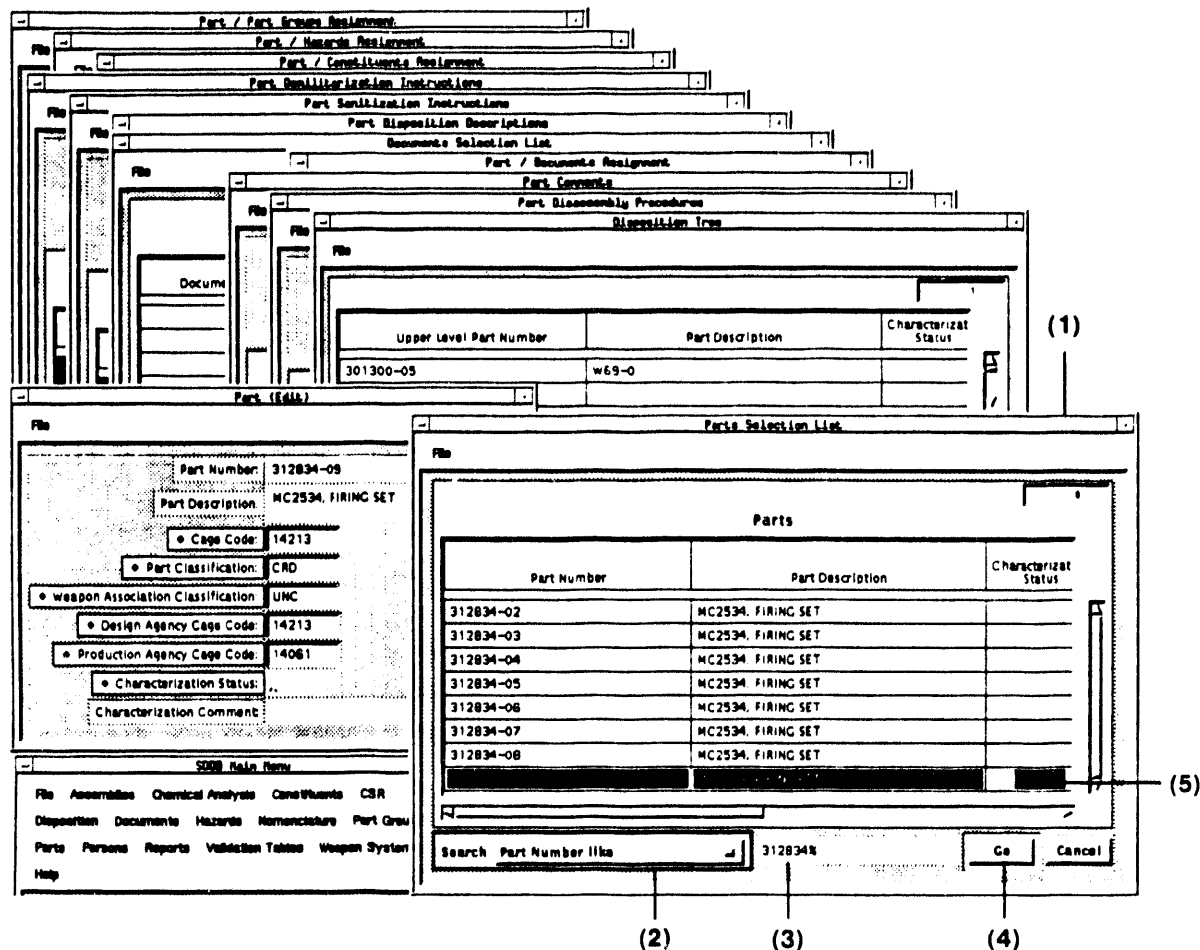
## Procedures for Characterization/Data Entry of Complex Parts

Research, prepare, and organize the documentation package before beginning characterization and data entry of a part.

**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

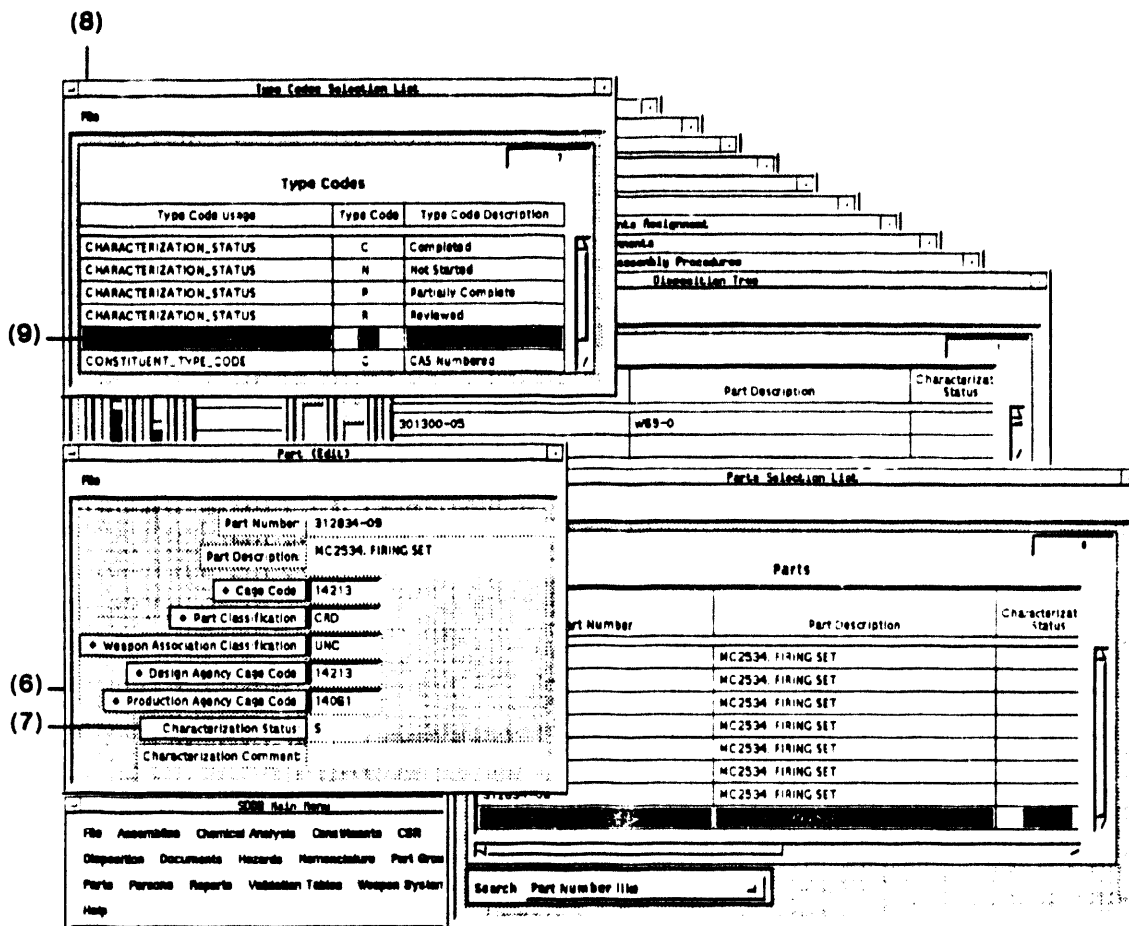
Refer to the Log-in Procedure in the General Section to log in and to set up the window arrangement from the **SDDB Main Menu**.

**NOTE:** The top bar of the active window is a different color or shade from the inactive windows.



## Parts Selection List

- Activate the **Parts Selection List** window by clicking on the top bar of the window, located at the lower right side of the screen. (1)
- Select Part Number Like/Part Number Like at the bottom of the window to display a text box. (2)
- Type the part number to be characterized as it appears in the documentation. (3)
- Press the Return key or click the Go button in the window. A parts list is displayed. (4)
- Highlight the appropriate row for the suffix to be characterized from the listing in the **Parts Selection List** window. (5)



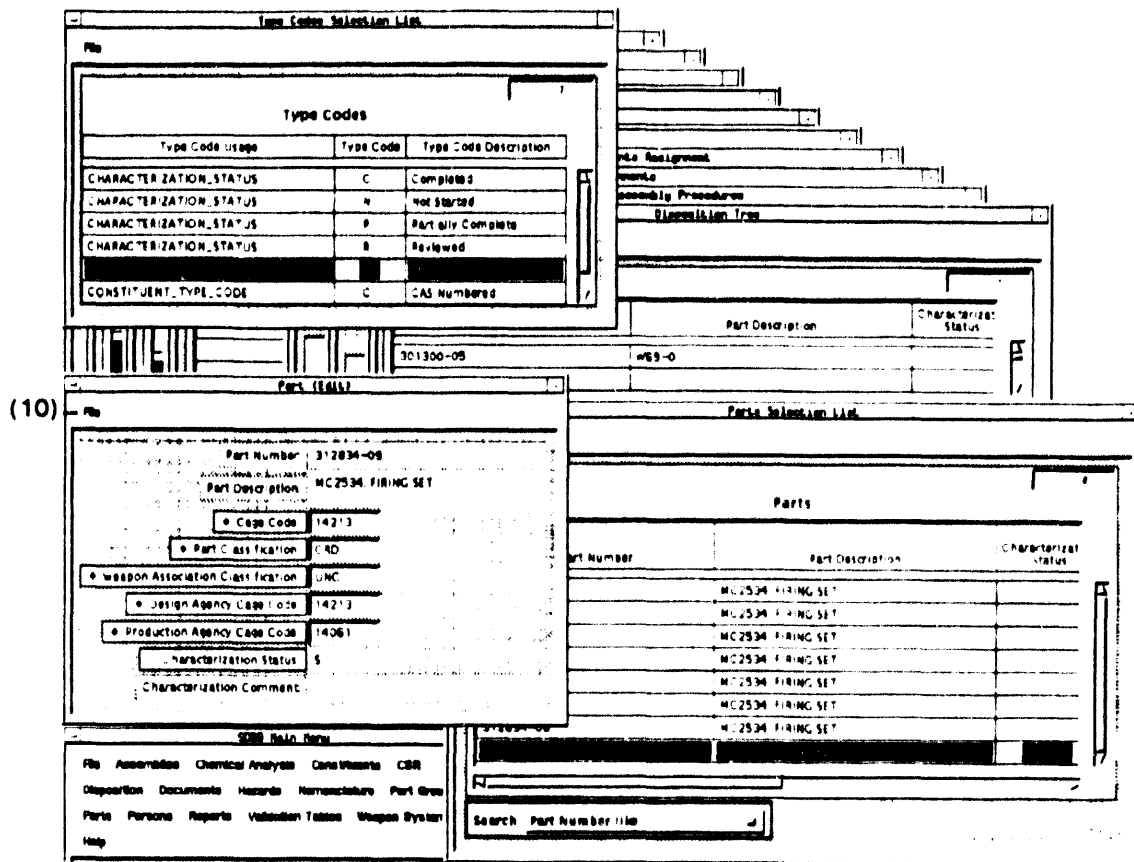
## Part (Edit)

### Characterization Status

- Activate the **Part (Edit)** window by clicking on the outline of the window located above the **SDDB Main Menu**. (6)

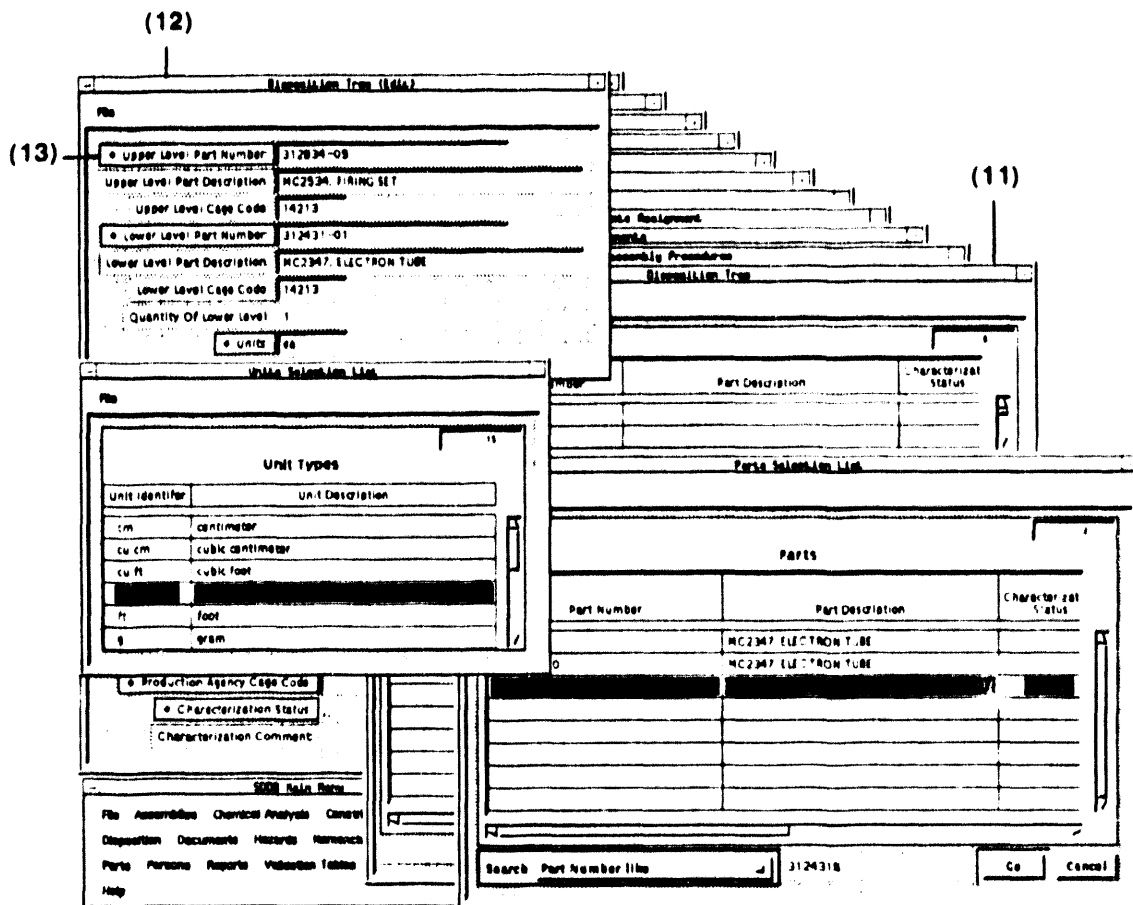
**NOTE:** A text box that includes a diamond symbol (◆) indicates that a pick list has to be accessed to enter data into the text box. Access the pick list by clicking on the diamond and making the appropriate selection from the pick list window. A text box without a diamond symbol indicates that information must be typed. For consistency, type the information in capital letters.

- Click on the diamond symbol in the Characterization Status box to activate the **Type Codes Selection List** window. (7)
- Position this window in a convenient location to be easily accessed. (8)
- Highlight the row labeled S. This code indicates that the characterization has started. (9)
- Select File/Close in the **Type Codes Selection List** window.



- Select File/Modify in the upper left side of the **Part (Edit)** window. These selections transfer an S to the Characterization Status column in the **Part Selection List** window. (10)

**NOTE:** If more than one part number/suffix is listed, it may be necessary to repeat Step 5.



## Disposition Tree

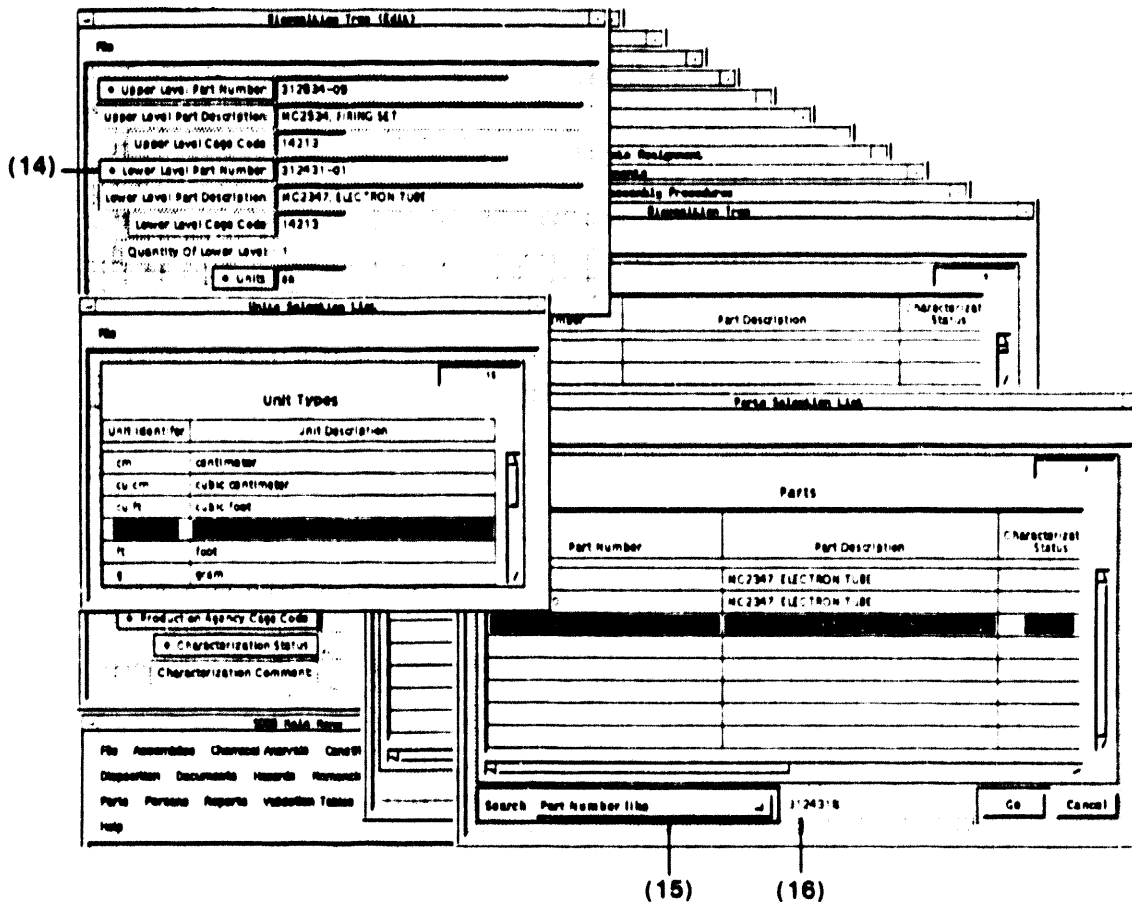
- Activate the **Disposition Tree** window by clicking on the last step of the window arrangement. (11)
- Select File/Edit to activate the **Disposition Tree (Edit)** window.
- Position this window in a convenient location to be easily accessed. (12)

**NOTE:** The Upper Level Part Number in the **Disposition Tree (Edit)** window does not always correspond to the Upper Level Part Number section in the Disposition Tree window; and the Lower Level Part Number in the **Disposition Tree (Edit)** window does not always correspond to the Lower Level Part Number section in the **Disposition Tree** window during the editing process.

*Upper Level Part Number, Upper Level Part Description, and Upper Level Cage Code*

- Click on the diamond symbol in the Upper Level Part Number box to activate the **Parts Selection List** window in the lower right side of the screen. (13)



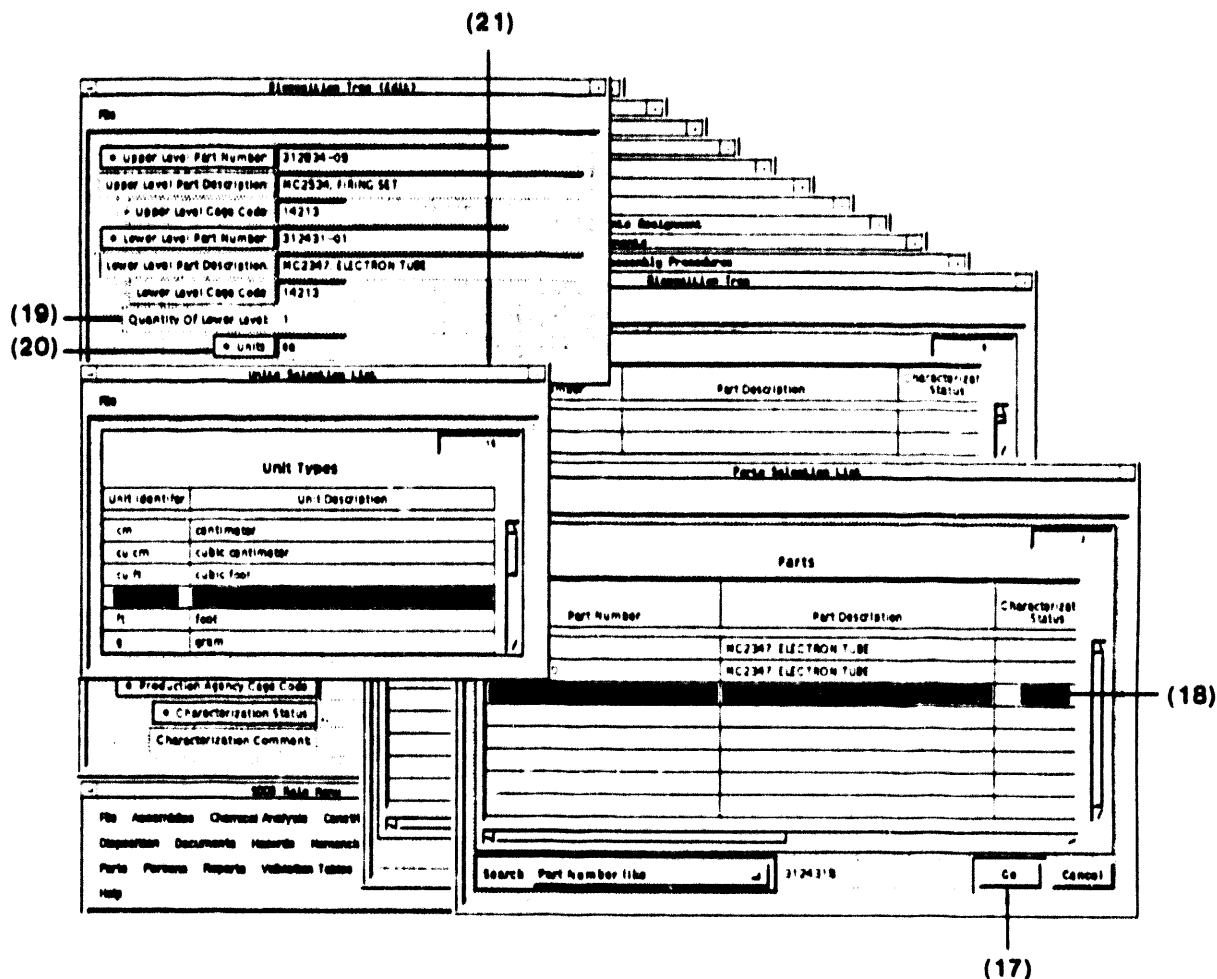


**NOTE:** The diamond symbol selections for upper and lower level part numbers are required steps to transfer the information correctly from the **Parts Selection List** window to the appropriate location in the **Disposition Tree (Edit)** window.

- Select Part Number Like/Part Number Like to display a text box.
- Verify the part number that is displayed.
- Press the return key or click the Go button in the window. A parts list is displayed.
- Highlight the appropriate row for the suffix of the upper level part.

*Lower Level Part Number, Lower Level Part Description, and Lower Level Cage Code*

- Click on the diamond symbol in the Lower Level Part Number box to activate the **Parts Selection List** window in the lower right side of the screen. (14)
- Select Part Number Like/Part Number Like to display a text box. (15)
- Type the part number of the lower level part. Lower level parts are parts removed and dispositioned separately. (16)



**NOTE:** Consultation with an experienced disassembly group may be necessary before deciding which pieces are disassembled.

- Press the Return key or click the Go button in the window. A parts list is displayed. (17)
- Highlight the appropriate row for the suffix of the lower level part. (18)

**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

#### *Quantity of Lower Level*

- Click in the Quantity of Lower Level text box and type a numeric value. (19)

#### *Units*

- Click on the diamond symbol in the Units box to activate the **Units Selection List** window. (20)
- Position this window in a convenient location to be easily accessed. (21)

(23) (24)

**Disposition Tree (Edit)**

File

• Upper Level Part Number 312634-08  
 Upper Level Part Description MC2334 FIRING SET  
 • Upper Level Code Code 14213  
 • Lower Level Part Number 312431-01  
 Lower Level Part Description MC2347 ELECTRON TUBE  
 Lower Level Code Code 14213  
 Quantity Of Lower Level 1  
 • Units 08

**Unit Selection List**

Unit Types

UNIT Identifier	UNIT Description
cm	centimeter
cu cm	cubic centimeter
cu ft	cubic foot
ft	foot
g	gram

• Production Agency Code Code  
 • Characterization Status  
 Characterization Comment

**Parts Selection List**

Parts

Part Number	Part Description	Characterization Status
	MC2347 ELECTRON TUBE	
	MC2347 ELECTRON TUBE	

Search Part Number like 3124318 Go Cancel

- Highlight the appropriate row for the Unit Identifier to transfer the information to the **Disposition Tree (Edit)** window. (22)

#### Save Entries

- Select File/Add in the **Disposition Tree (Edit)** window to transfer the information to the **Disposition Tree** window. (23)

**NOTE:** For multiple entries to the Disposition Tree, repeat Steps 13 through 23 of the data entry procedures.

- Select File/Close in the **Disposition Tree (Edit)** window. These selections also close the **Units Selection List** window. (24)

(25)

**Part (Edit)**

Part Number: 31203  
 Part Description: MC25  
 • Cage Code: 14213  
 • Part Classification: CRO  
 • Weapon Association Classification: UNC  
 • Design Agency Cage Code: 14213  
 • Production Agency Cage Code: 14081  
 • Characterization Status: S  
 Characterization Comment:

**Disposition Tree**

Upper Level Part Number	Part Description	Characterization Status
301300-05	w65-0	

Current Part Number	Current Part Description	Characterization Status

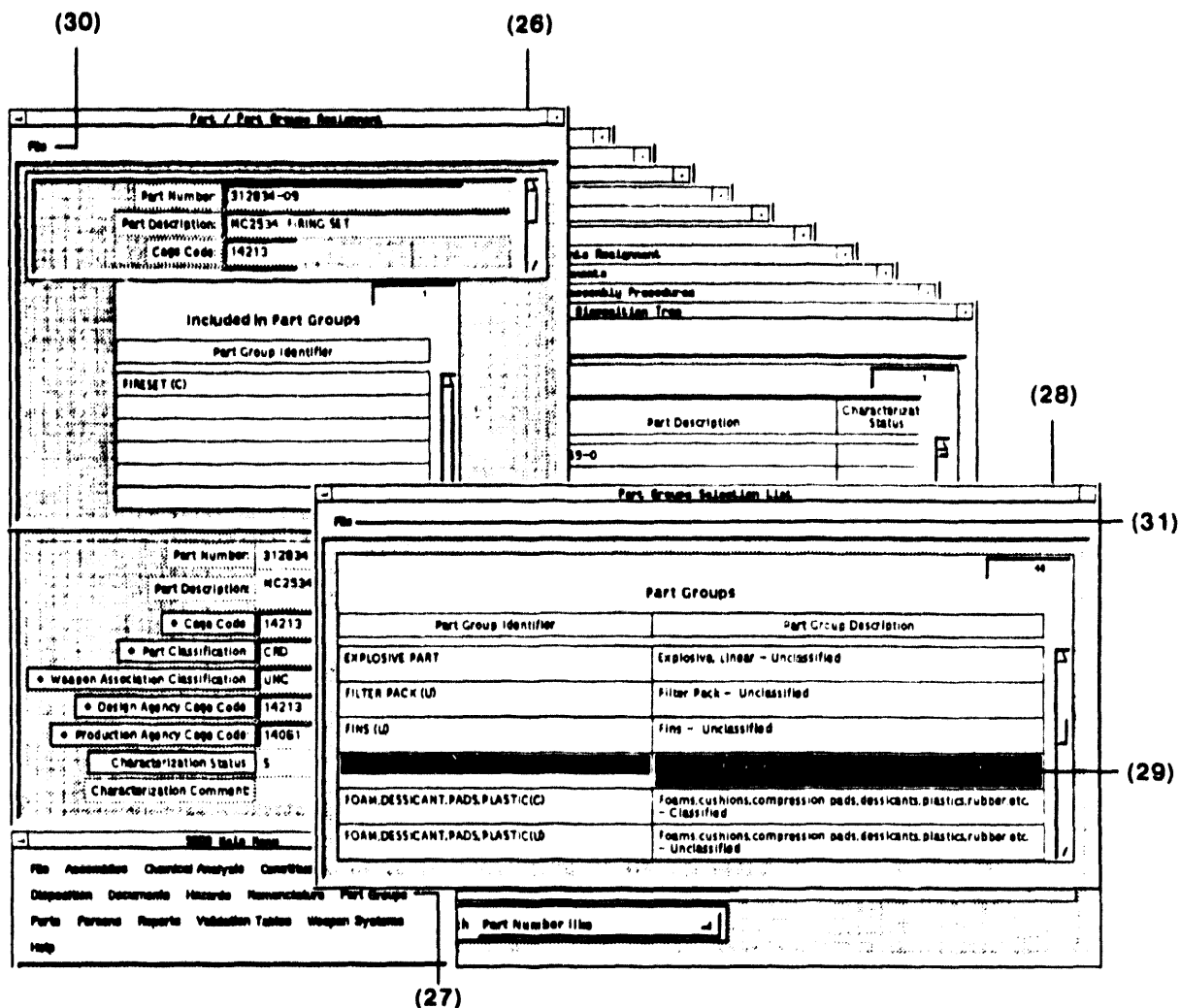
Lower Level Part Number	Part Description	Characterization Status
312431-01	MC2347. ELECTRON TUBE	
358570-01	CF203B CABLE ASSEMBLY SPECIAL	

Next Level

**Main Menu**

File Assembly Character Analysis Control  
 Disposition Documents History Network  
 Parts Reports Reports Validation Tables  
 Help

- Repeat Steps 2 through 5 in the **Parts Selection List** window.
- Activate the **Disposition Tree** window by clicking in the last step of the window arrangement. The results of the disposition tree structure will be displayed. (25)



## Part/Part Groups Assignment

- Activate the **Part/Part Groups Assignment** window by clicking in the first step of the window arrangement. (26)
- Select **Part Groups/Part Groups** from the **SDDB Main Menu** on the lower left side of the screen to activate the **Part Groups Selection List** window. (27)
- Position this window in a convenient location to be easily accessed. (28)
- Use the scroll bar at the right side of the window to move through the list of part groups.
- Highlight the appropriate row for the part group according to the Demilitarization and Sanitization for Disposition (DSD) General Guidance Manual (Appendix A). (29)
- Select **File/Add** in the **Part/Part Groups Assignment** window to assign the part group to the part being characterized. These selections transfer the information to the **Part/Part Groups Assignment** window. (30)
- Select **File/Close** in the **Part Groups Selection List** window. (31)

(33) (32) (34)

Part / Part Group Assignment

Part / Hazard Assignment

Part / Hazard (Edit)

Part Number: 312834-09  
Part Description: MC2534, FIRING SET  
Cage Code: 14213

Assigned Hazards

Hazard Code	Derived Flag	Location Number

Hazard Code: RADIOACTIVE  
Hazard Location Number: 0  
Hazard Derived? Yes  
Hazard Location: SEE DP312834, PARAGRAPH 3.3 AND ATTACHMENT A' CUTLINE DIAGRAM FOR LOCATION DESCRIPTION OF THE MC2534 (312831) RADIOACTIVE ELECTRON TUBE. THIS TUBE GETS REMOVED PER DP312834  
Last Update Name: Rosemarie Renn  
Certification Flag:  
Certification Date:

Part Classification: CAD  
Weapon Association Classification: UNC  
Design Agency Cage Code: 14213  
Production Agency Cage Code: 14061  
Characterization Status: 312431-359570-  
Characterization Comment:

Hazards Selection List

Hazard Code	Hazard Description
MERCURY	Mercury
OIL FILLED COMPONENTS	Oil Filled Components (PCB potential)
OTHER	Other safety and health concerns
REACTIVE METALS	Reactive Metals (B, Ca, Li, Mg, Na, Zn)
REVIEWED	Reviewed hazard description list

File Assembly Chemical Analysis Core Materials CSR  
Disposition Documents Hazards Manufacturing Part Gro  
Parts Persons Reports Validation Tables Weapon System  
Help

## Part/Hazards Assignment

The input of this information requires activity in three windows: **Part/Hazards Assignment**, **Part/Hazard (Edit)**, and **Hazards Selection List**.

- Activate the **Part/Hazards Assignment** window by clicking in the next step of the window arrangement. (32)

**NOTE:** Personnel entering the data should review the documentation package for hazards. For additional guidance, consult with engineering staff having design knowledge about the part.

- Select File/Edit to activate the **Part/Hazard (Edit)** window. (33)
- Position this window in a convenient location to be easily accessed. (34)

### Hazard Code

- Click on the diamond symbol in the Hazard Code box to activate the **Hazards Selection List** window. (35)
- Position this window in a convenient location to be easily accessed. (36)
- Use the scroll bar on the right side of the window to move through the Hazards list.

The screenshot displays three overlapping windows from the Hazmat Data Entry software:

- Part / Groups Assignment Window:** Shows fields for Part Number (312834-09), Part Description (MC2534, FIRING SET), and Cage Code (14213). Below these is a table titled "Assigned Hazards" with columns for Hazard Code, Derived Flag, and Location Number.
- Part / Hazard (Edit) Window:** Contains the same part information as the first window. It also includes fields for Hazard Code (RADIOACTIVE), Hazard Location Number (0), Hazard Derived? (Yes), Hazard Location (SEE DP312834, PARAGRAPH 3.3 AND ATTACHMENT 'A' OUTLINE DIAGRAM, FOR LOCATION DESCRIPTION OF THE MC2347 (312431) RADIOACTIVE ELECTRON TUBE. THIS TUBE GETS REMOVED PER DP312834), Last Update Name (Rosemarie Rann), Certification Flag, and Certification Date.
- Hazards Selection List Window:** Displays a table of hazards with columns for Hazard Code and Hazard Description. The visible entries are MERCURY, OIL FILLED COMPONENTS, OTHER, REACTIVE METALS, and REVIEWED.

Navigation elements include a menu bar at the top (File, Edit, View, Options, Reports, Help) and a status bar at the bottom (File Assembly Chemical Analysis Contaminants CBR Disposition Documents Hazards Nomenclature Part Group Parts Persons Reports Validation Tables Weapon System Help).

- Highlight the appropriate row in the Hazards list to transfer the information to the appropriate text box in the **Part/Hazard (Edit)** window. (37)

**NOTE: Select and highlight REVIEWED on the Hazards list if no process will be performed on the part (Part/Part Group – DSD general guidance) and the listed hazards are not applicable for the part being addressed. This selection will show in the Hazard Code box of the **Part/Hazard (Edit)** window.**

*Hazard Derived?* (38)

- Click Yes in the Hazard Derived box if the hazardous portion is being disassembled and dispositioned separately from the part being characterized.
- Click No in the Hazard Derived box if the hazardous portion cannot be disassembled and dispositioned separately from the part being characterized.
- Click N/A in the Hazard Derived box if no process will be performed and REVIEWED has been selected.

### Hazard Location

- Click in the Hazard Location text box if the Hazard Derived is Yes. The location of hazardous parts/materials can be identified by a specifically worded description, reference to a graphic drawing(s), or reference to a Disassembly Procedure (DP) document. Type the appropriate information. (39)

Part / Part Groups Assignment

Part / Hazards Assignment

Part / Hazard (Edit)

Part Number: 312834-09  
Part Description: MC2534, FIRING SET  
Cage Code: 14213

Assigned Hazards

Hazard Code	Derived Flag	Location Number

Hazard Code: RADIOACTIVE  
Hazard Location Number: 0  
Hazard Derived?: Yes  
Hazard Location: SEE DP312834, PARAGRAPH 3.3 AND ATTACHMENT 'A' CUTLINE DIAGRAM, FOR LOCATION DESCRIPTION OF THE MC2534 (312834) RADIOACTIVE ELECTRON TUBE. THIS TUBE GETS REMOVED PER DP312834  
Last Update Name: Rosamaria Renn  
Certification Flag:  
Certification Date:

Part Classification: CRD  
Weapon Association Classification: UMC  
Design Agency Cage Code: 14213  
Production Agency Cage Code: 14061  
Characterization Status: S  
Characterization Comment:

Hazards Selection List

Hazard Code	Hazard Description
MERCURY	Mercury
OIL FILLED COMPONENTS	Oil Filled Components (PCB potential)
OTHER	Other Safety and Health Concerns
REACTIVE METALS	Reactive Metals (B, Ca, Li, Mg, Na, Zn)
REVIEWED	Reviewed hazard description list

312431-  
359570-

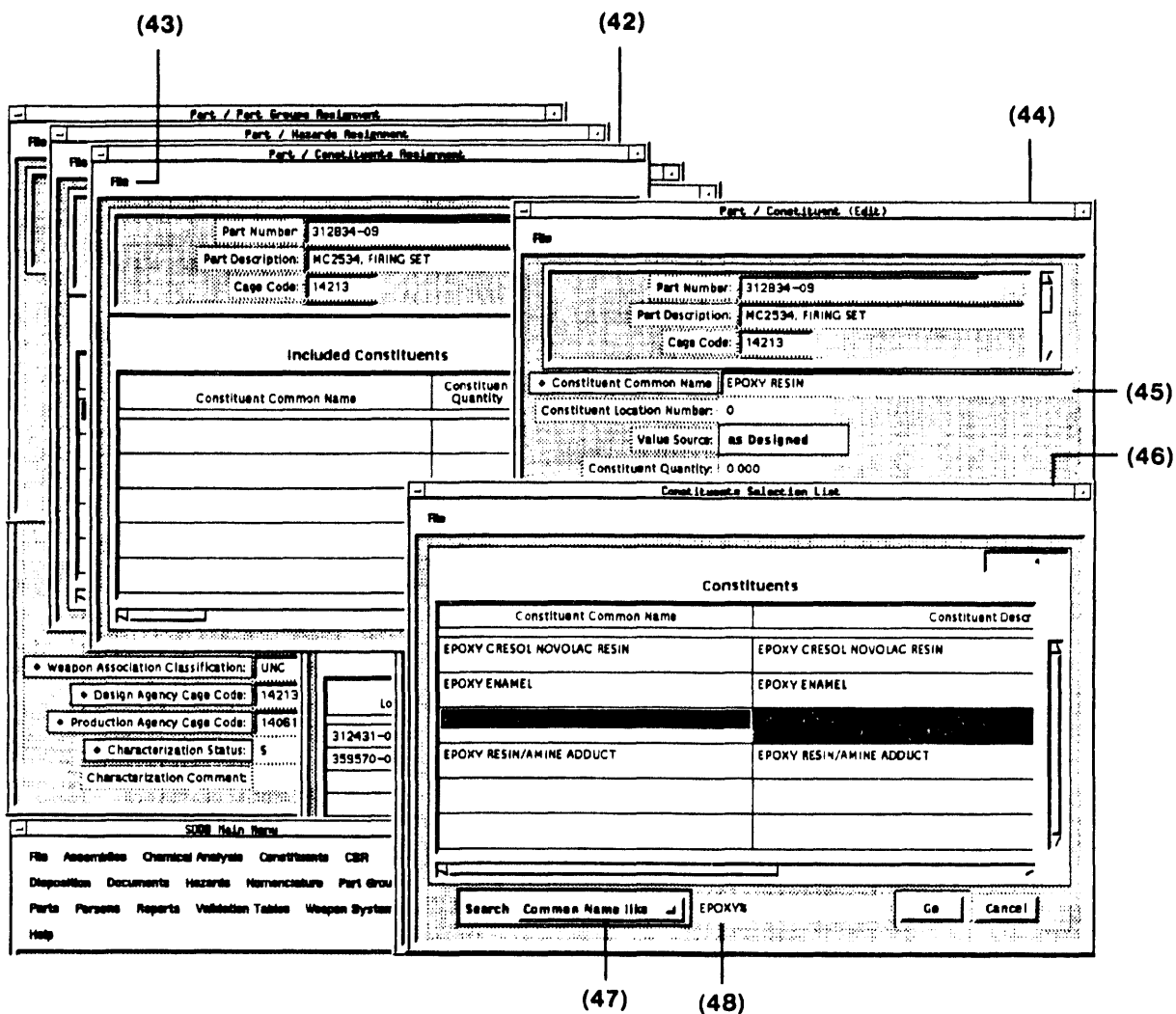
5008 Main Menu

File Assemblies Chemical Analysis Constituents CSR  
Disposition Documents Hazards Nomenclature Part Groups  
Parts Persons Reports Validation Tables Weapon System  
Help

### Save Entries

- Select File/Add in the **Part/Hazard (Edit)** window to assign the part hazards to the part. These selections transfer the information to the **Part/Hazards Assignment** window. (40)
- Select File/Close in the **Part/Hazard (Edit)** window. These selections also close accessed windows. (41)



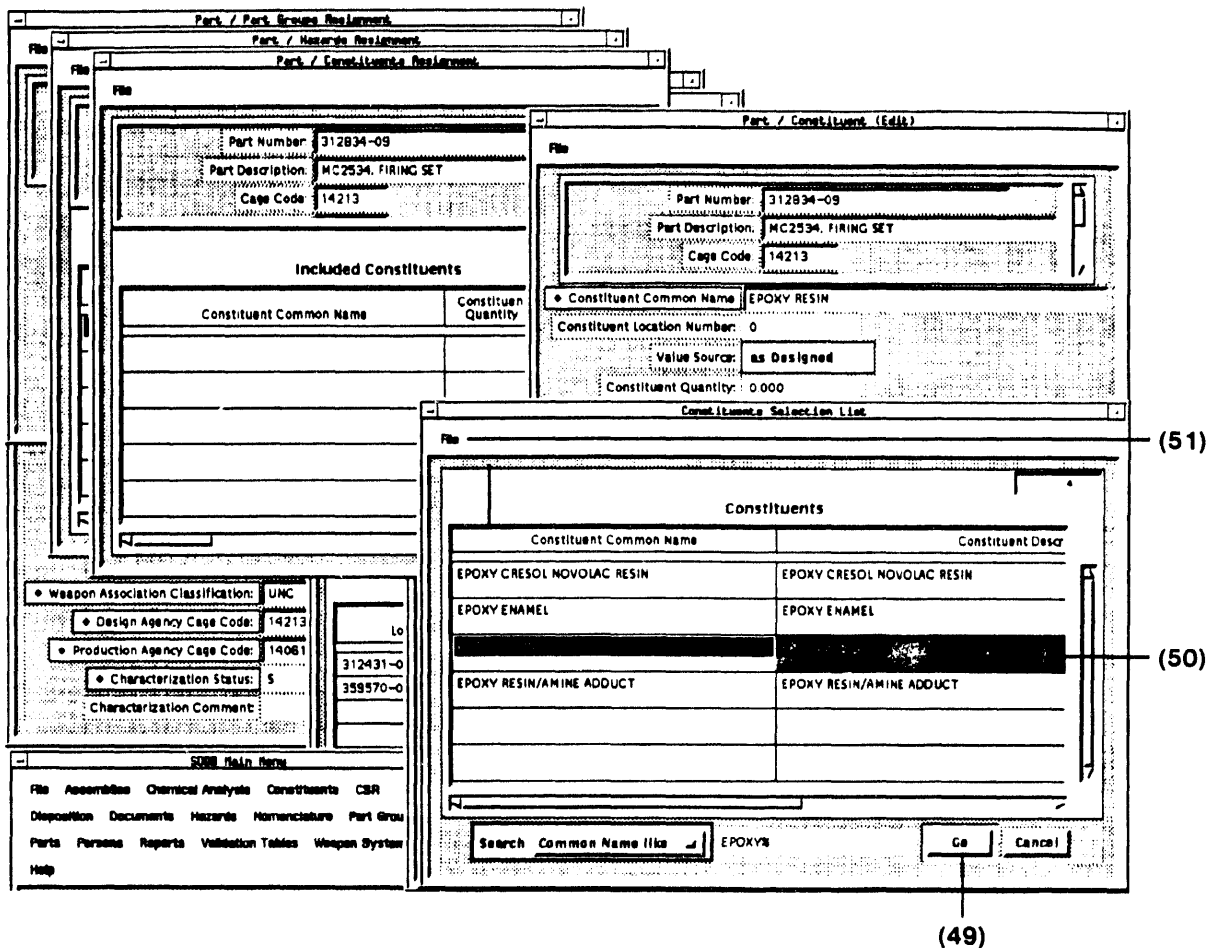


## Part/Constituents Assignment

- Activate the **Part/Constituents Assignment** window by clicking in the next step of the window arrangement. (42)
- Select File/Edit to activate the **Part/Constituent (Edit)** window. (43)
- Position this window in a convenient location to be easily accessed. (44)

### Constituent Common Name

- Click on the diamond symbol in the Constituent Common Name box to activate the **Constituents Selection List** window. (45)
- Position this window in a convenient location to be easily accessed. (46)
- Find materials that make up the part from the documents that describe the part.
- Select Common Name Like/Common Name Like to display a text box. (47)
- Type the constituent common name (material). Start with a % sign as the first character to get a complete list for the constituent. (A % sign is a wild card character.) (48)



- Press the Return key or click the Go button in the window. A constituent list is displayed. (49)
- Use the scroll bar on the right side of the window to move through the constituents list.
- Highlight the appropriate constituent common name row to transfer the information to the **Part/Constituent (Edit)** window. (50)
- Select File/Close in the **Constituents Selection List** window. (51)

Part / Part Issues Assignment

Part / Hazardous Assignment

Part / Constituents Assignment

Part / Constituent (Edit)

Part Number: 312834-09  
Part Description: MC2534, FIRING SET  
Cage Code: 14213

Included Constituents

Constituent Common Name	Constituent Quantity

• Weapon Association Classification: UNC

• Design Agency Cage Code: 14213

• Production Agency Cage Code: 14061

• Characterization Status: 5

Characterization Comment:  

LO

312431-0

359570-0

312834-02

312834-03

312834-04

312834-05

312834-06

312834-07

312834-08

MC2534, FIRING SET

• Constituent Common Name: EPOXY RESIN

Constituent Location Number: 0

Value Source: as Designed

Constituent Quantity: 0.000

• Units

ENCAPSULATION

Constituent Location:  

Part Constituent Comment: GLASS MICROSPHERE FILLED PER 9927086, 9927085, 9927066, OR 9927003. CONTAINS ELECTRICAL ASSEMBLIES - SEE CHEMICAL ANALYSIS.

Last Update Name: Rosemarie Renn

Certification Flag:  

Certification Date:  

Certification Name:  

Certify Data for Transmission: Null

Search Part Number like

SOON Main Menu

File Assemblies Chemical Analysis Constituents CSR

Disposition Documents Hazardous Nomenclature Part Grou

Parts Personnel Reports Validation Tables Weapon System

Help

**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

#### Constituent Quantity and Units

- If the material and quantities are known, enter the information in the Quantity and Units text boxes in the **Part/Constituent (Edit)** window. (52)
- If the material and quantities are not known, leave the text boxes blank.

#### Constituent Location (53)

- Click in the Constituent Location text box, if it is needed. Type specific and descriptive part locations, not necessarily drawing titles.
- Use a numbered list in the Constituent Location text box that corresponds to a numbered list in the Part Constituent Comment text box if the Constituent Location has multiple parts with multiple material specifications. An example of this is as follows:

Constituent Common Name  
STEEL

Constituent Location  
1) HANDLE  
2) SHOULDERED STUD

Part Constituent Comment  
1) 1015 PER 7305808  
2) 4130H PER 7330024 (ALTERNATE FOR STAINLESS STEEL)

Part / Part Group Resolutions  
Part / Hazardous Resolutions  
Part / Constituents Resolutions

Part Number: 312834-09  
Part Description: MC2534, FIRING SET  
Cage Code: 14213

Included Constituents

Constituent Common Name	Constituent Quantity

• Weapon Association Classification: UNC  
• Design Agency Cage Code: 14213  
• Production Agency Cage Code: 14061  
• Characterization Status: S  
Characterization Comment:  

312834-02  
312834-03  
312834-04  
312834-05  
312834-06  
312834-07  
312834-08 MC2534, FIRING SET

File Assemblies Chemical Analysis Constituents CBR  
Disposition Documents Hazards Nomenclature Part Group  
Parts Persons Reports Validation Tables Weapon System  
Help

Part / Constituent (Edit)

Part Number: 312834-09  
Part Description: MC2534, FIRING SET  
Cage Code: 14213

• Constituent Common Name: EPOXY RESIN  
Constituent Location Number: 0  
Value Source: as Designed  
Constituent Quantity: 0.000  
• units  
Constituent Location: ENCAPSULATION

Part Constituent Comment: CLASS MICROSPHERE FILLED PER 9927086, 9927085, 9927086, OR 9927003. CONTAINS ELECTRICAL ASSEMBLIES - SEE CHEMICAL ANALYSIS

Last Update Name: Rasmussen, Renn  
Certification Flag:    
Certification Date:    
Certification Name:    
Certify Data for Transmission: Null

Search Part Number like

(55) (56)

(54)

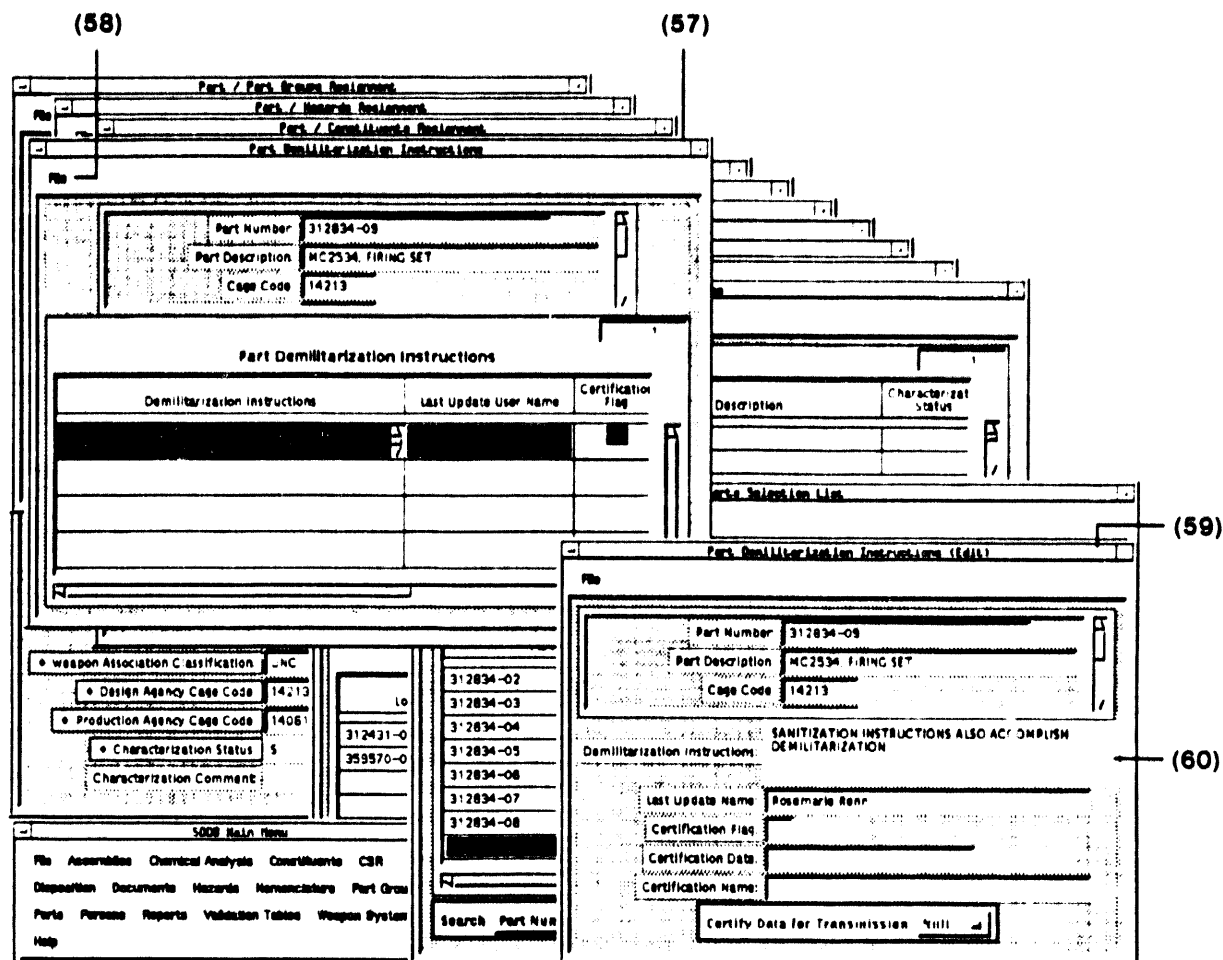
### Part Constituent Comment

- Click in the Part Constituent Comment text box. Type additional information, such as material specifications, from the document package notes. Chemical processes and applicable specifications can be found in the notes or in related documents referred to in the notes. Use the word PER to indicate a document with more information, not where the information originated. (54)

### Save Entries

- Select File/Add to transfer the information to the **Part/Constituents** window. (55)
- Select File/Close in the **Part/Constituent (Edit)** window. (56)

**NOTE:** Repeat Steps 45 through 55 as many times as necessary to list all constituents for the part being characterized.



## Part Demilitarization Instructions

- Activate the **Part Demilitarization Instructions** window by clicking in the next step of the window arrangement. (57)
- Select File/Edit to activate the **Part Demilitarization Instructions (Edit)** window. (58)
- Position this window in a convenient location to be easily accessed. (59)

### Demilitarization Instructions (60)

- Refer to the DSD Manual to determine if demilitarization is required for the Part Group that has been assigned to the part being characterized.
- Click in the Demilitarization Instructions text box. Type the instructions for the part being characterized.
- If demilitarization is not required, type NONE in the text box.
- If demilitarization is required, consult with the local classification officer to determine the requirements for preparing the part so that it can no longer be used for military purposes. Information can also be found in the DP, if the document has been generated for the part being characterized.

Part / Part Group Requirement  
Part / Hazard Requirement  
Part / Compliance Requirement  
Part Demilitarization Instructions

Part Number: 312834-09  
Part Description: MC2534 FIRING SET  
Cage Code: 14213

Part Demilitarization Instructions

Demilitarization Instructions	Last Update User Name	Certification Flag

Part Demilitarization Instructions (Edit)

Part Number: 312834-09  
Part Description: MC2534 FIRING SET  
Cage Code: 14213

SANITIZATION INSTRUCTIONS ALSO ACCOMPLISH DEMILITARIZATION

Demilitarization Instructions

Last Update Name: Rosemarie Renn  
Certification Flag: ☐  
Certification Date:   
Certification Name:

Certify Data for Transmission: Null

File Assembly Chemical Analysis Constituents CSR  
Disposition Documents Hazards Nomenclature Part Group  
Parts Persons Reports Validation Tables Weapon System  
Help

312834-02  
312834-03  
312834-04  
312834-05  
312834-06  
312834-07  
312834-08

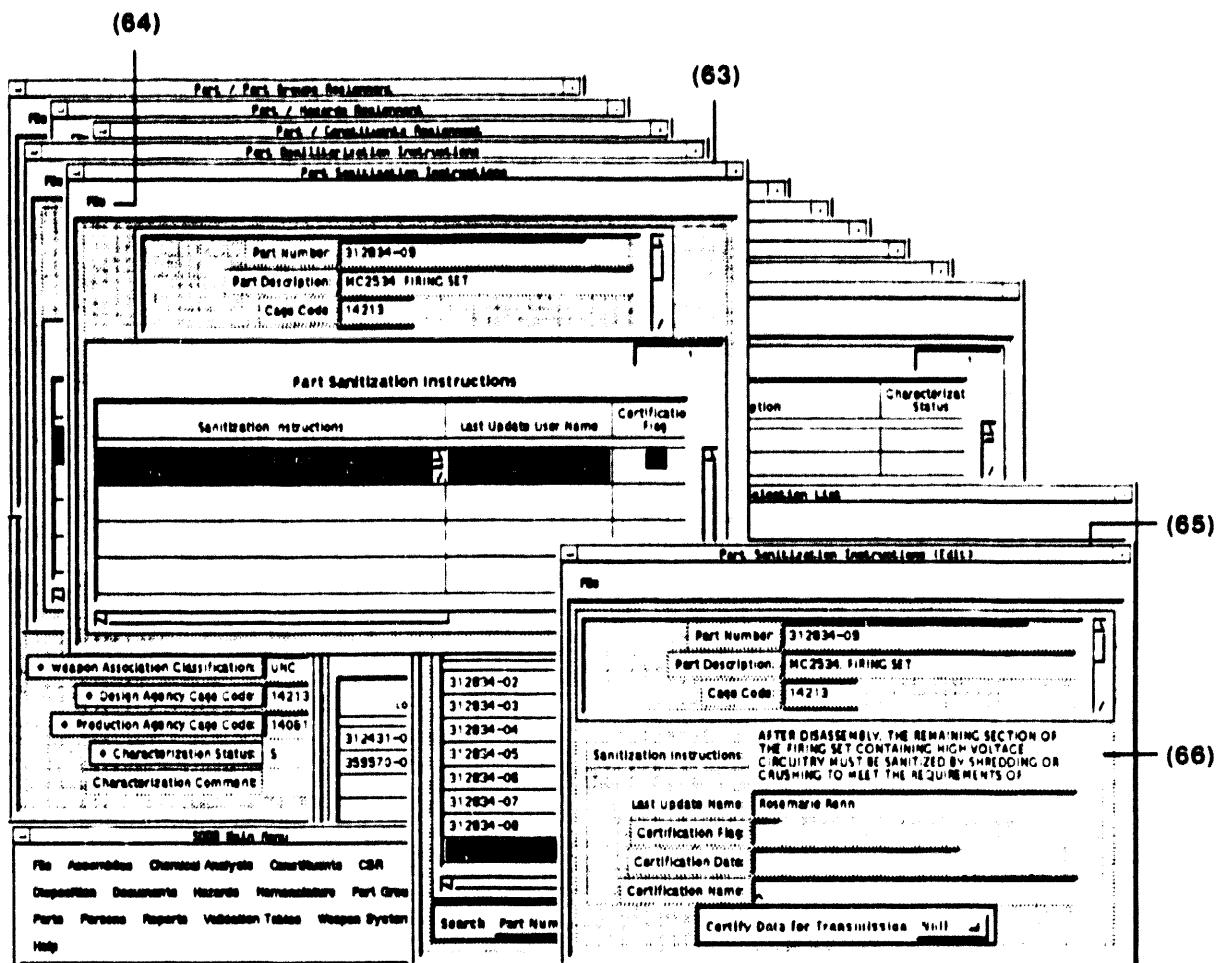
312431-0  
353573-0

Search Part Num

(61) (62)

### Save Entries

- Select File/Add to transfer the information to the **Part Demilitarization Instructions** window. (61)
- Select File/Close in the **Part Demilitarization Instructions (Edit)** window. (62)



## Part Sanitization Instructions

- Activate the **Part Sanitization Instructions** window by clicking in the next step of the window arrangement. (63)
- Select File/Edit to activate the **Part Sanitization Instructions (Edit)** window. (64)
- Position this window in a convenient location to be easily accessed. (65)

**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

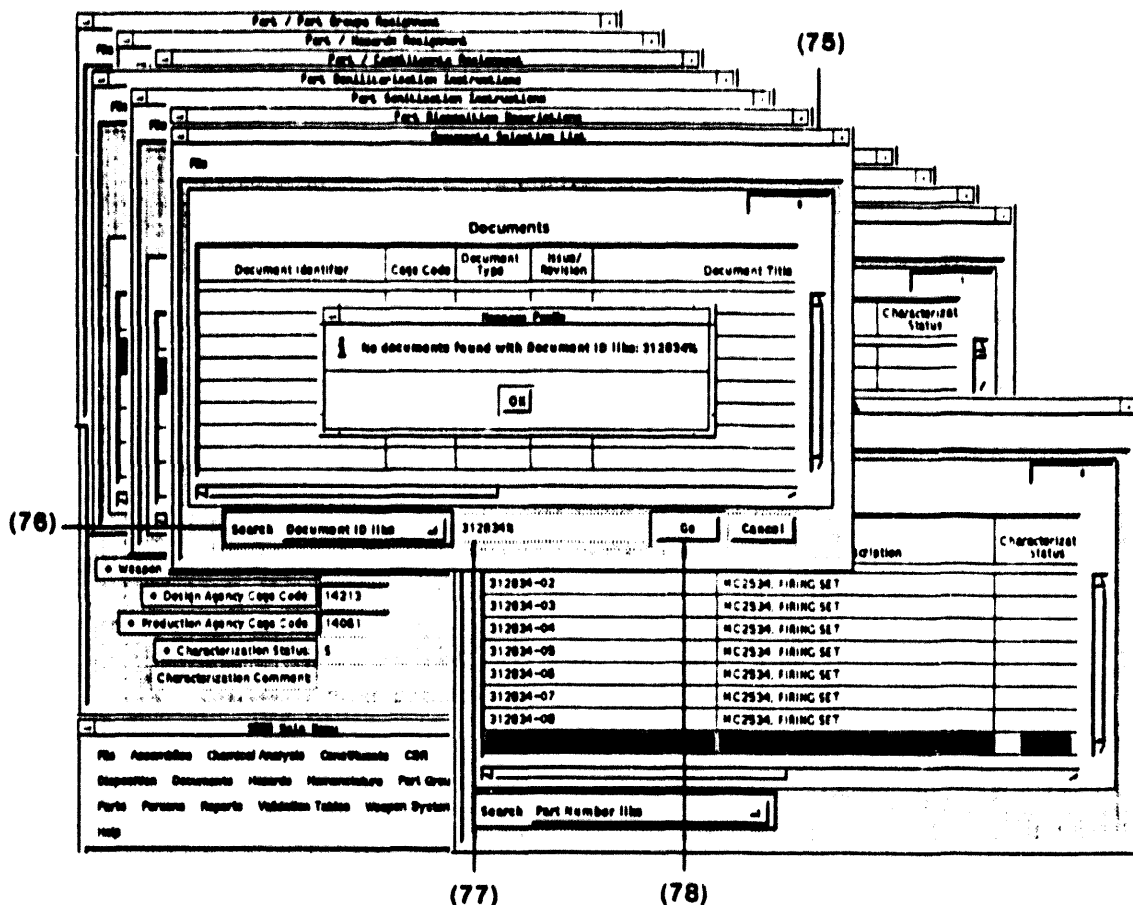
### *Sanitization Instructions (66)*

- Click in the Sanitization Instructions text box. Type the instructions for the part being characterized.
- If sanitization is not required, type NONE in the text box.
- If the part is classified, request sanitization instructions from the local classification officer. Information can also be found in the LP Document, if a document has been generated for the part being characterized.









## Documents

- Activate the **Documents Selection List** window by clicking in the next step of the file arrangement. (75)

**NOTE:** This is a list of all documents in the database. Add the documents that have provided characterization data to this section. Fill in all information blocks. This input requires activity in several documents windows.

### Document Search

- Select Document ID Like/Document ID Like to display a text box. (76)

**CAUTION:** A document will not appear in the Document Identifier list until it is searched for the first time, even though it may be in the database.

- Type Document Identifier/Drawing Number from the document package. (77)
- Press the Return key or click the Go button in the window. (78)

(80)

(79)

Document Identifier	Code Code	Document Type	Issue/Revision	Document Title
No documents found with Document ID file: 3128346				

Search Document ID file: 3128346 Go Cancel

Weapon

Origin Agency Code Code: 14213

Production Agency Code Code: 14081

Characterization Status: S

Characterization Comment:

SMB Data Base

P/B Assembly Chemical Analysis Core/Fluents CSR Disposition Documents Hazards Homologues Part Group Parts Persons Reports Validation Tables Weapon System Help

Document ID	Document Title
312834-02	MC2934, FIRING SET
312834-03	MC2934, FIRING SET
312834-04	MC2934, FIRING SET
312834-05	MC2934, FIRING SET
312834-06	MC2934, FIRING SET
312834-07	MC2934, FIRING SET
312834-08	MC2934, FIRING SET

Search Part Number file:

- If the document is found, highlight the appropriate row and proceed directly to Step 101.
- If the document is not found, click OK. (79)

#### Document Entry

- Select File/Edit in the **Documents Selection List** window to activate the **Document (Edit)** window. (80)

- Type the code identification from the document package.

NOTE: The appropriate cage code for MS and NAS numbers is N/A.

- Select Cage Code Like/Cage Code Like to display a text box. (85)
- Position this window in a convenient location to be easily accessed. (84)
- Click on the diamond symbol in the Cage Code box to activate the Agencies Selection List window. (83)

### Cage Code

- Click in the Document ID text box in the Document (Edit) window. Type the Document Identifier from the document package. (82)

### Document ID

- Position the window in a convenient location to be easily accessed. (81)

(85) Search Cage Code Like

Agency Code	Agency Description
14214	SNL Inventory

(82) Document ID

Document ID: 112834  
 Cage Code: 14213  
 Document Type: M1  
 Document Title: MC2334  
 Classification: UMC  
 Document Date: 28-Jun-1978  
 Document Date Range: 28-Jun-1978

(84) Classification Codes

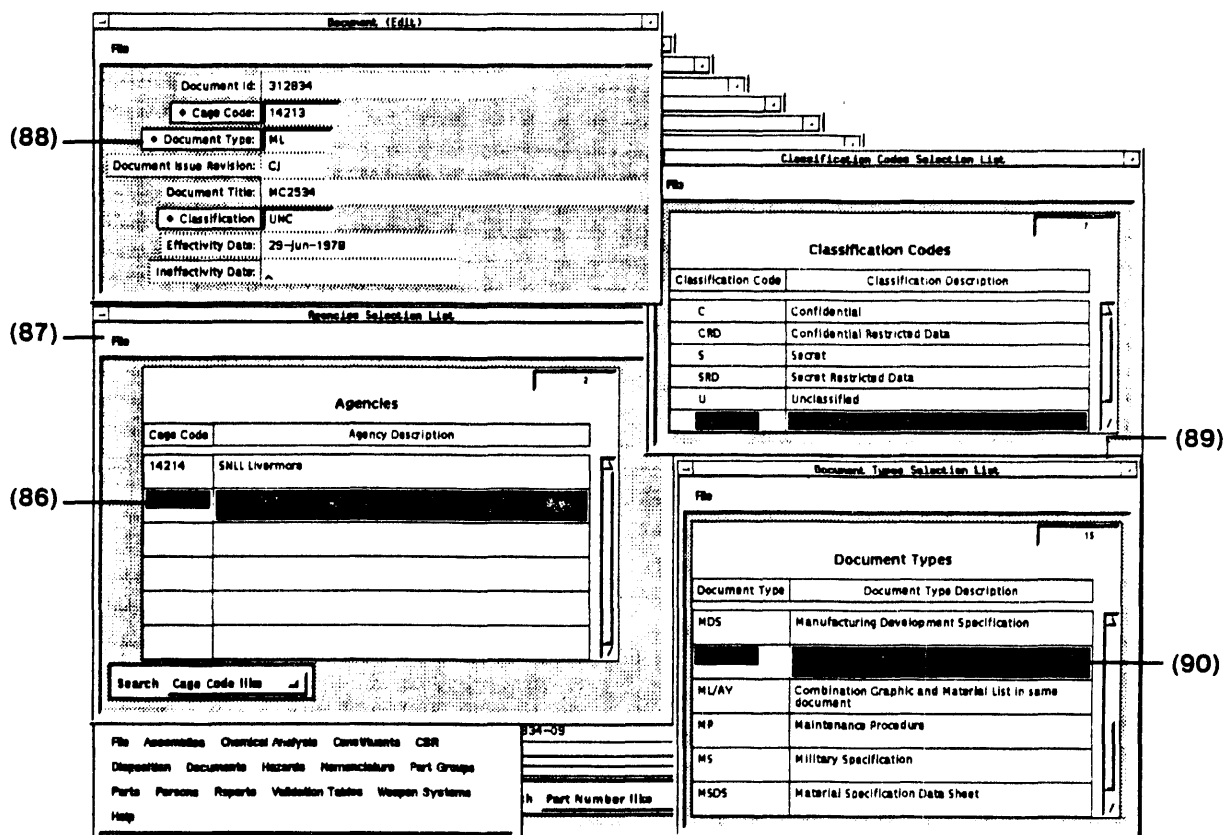
Classification Code	Classification Description
U	Unclassified
S	Secret Restricted Data
C	Confidential Restricted Data
CONF	Confidential

(83) Document Types

Document Type	Document Description
M1	Manufacturing Development Specification
M2	Combination Graphic and Material List in same document
M3	Manufacturing Procedure
M4	Material Specification
M5	Material Specification Data Sheet

(81) Document Date Range

Document Date Range	Document Date Range Description
28-Jun-1978	28-Jun-1978



- Press the Return key or click the Go button in the window. A Cage Codes and Agency Descriptions list is displayed.
- Highlight the appropriate row to transfer the code number to the **Document (Edit)** window. (86)
- Select File/Close in the **Agencies Selection List** window. (87)

#### Document Types

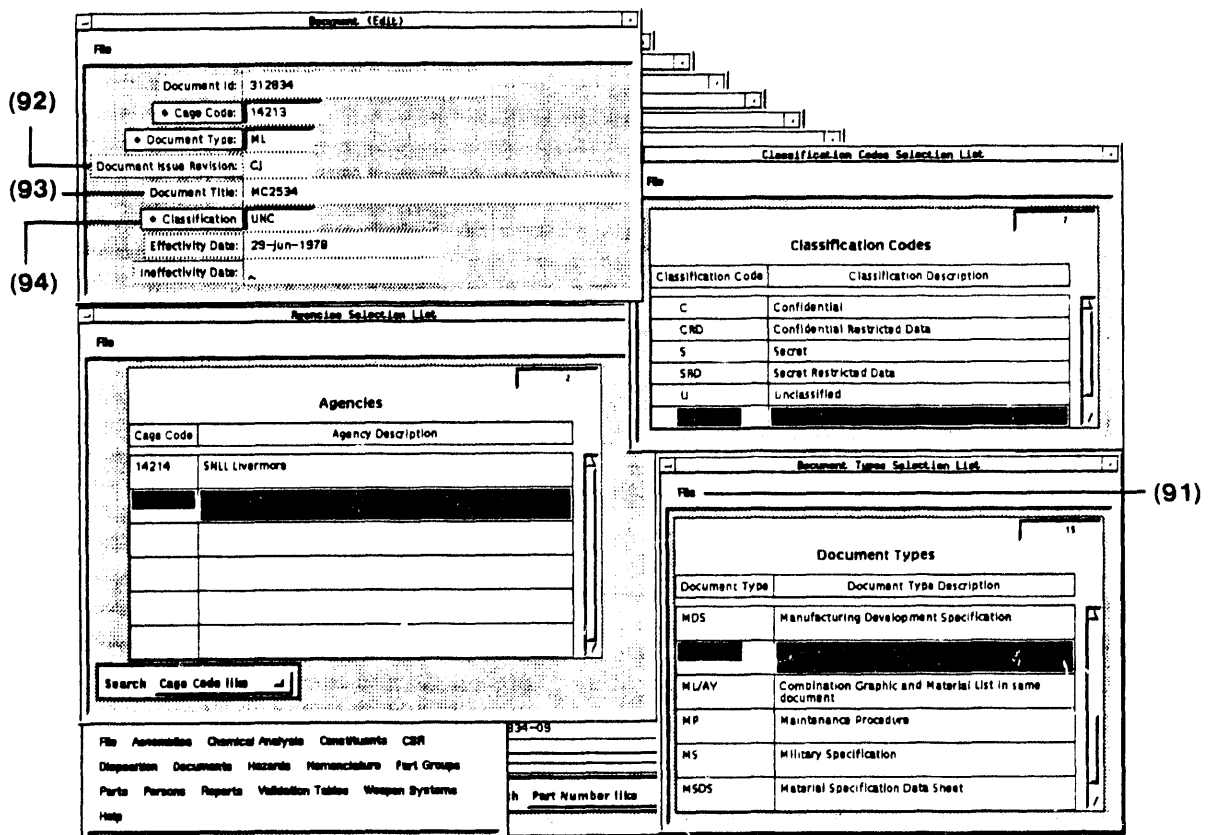
- Click the diamond symbol in Document Type box to activate the **Document Types Selection List** window. (88)
- Position this window in a convenient location to be easily accessed. (89)
- Use the scroll bar at the right side of the window to move through the list of document types.
- Highlight the appropriate row for the document being described to transfer the information to the **Document (Edit)** window. Several commonly used document types are as follows: (90)

ML/AY – Any drawing that has a combination of graphic and material information, including note forms.

MS – Applies to all military standards, including National Aerospace (NAS numbers).

SG – General Specifications.

SS – Specific specifications for specific use; otherwise, use SG for specifications.



- Select File/Close in the **Document Types Selection List** window. (91)

#### *Document Issue Revision*

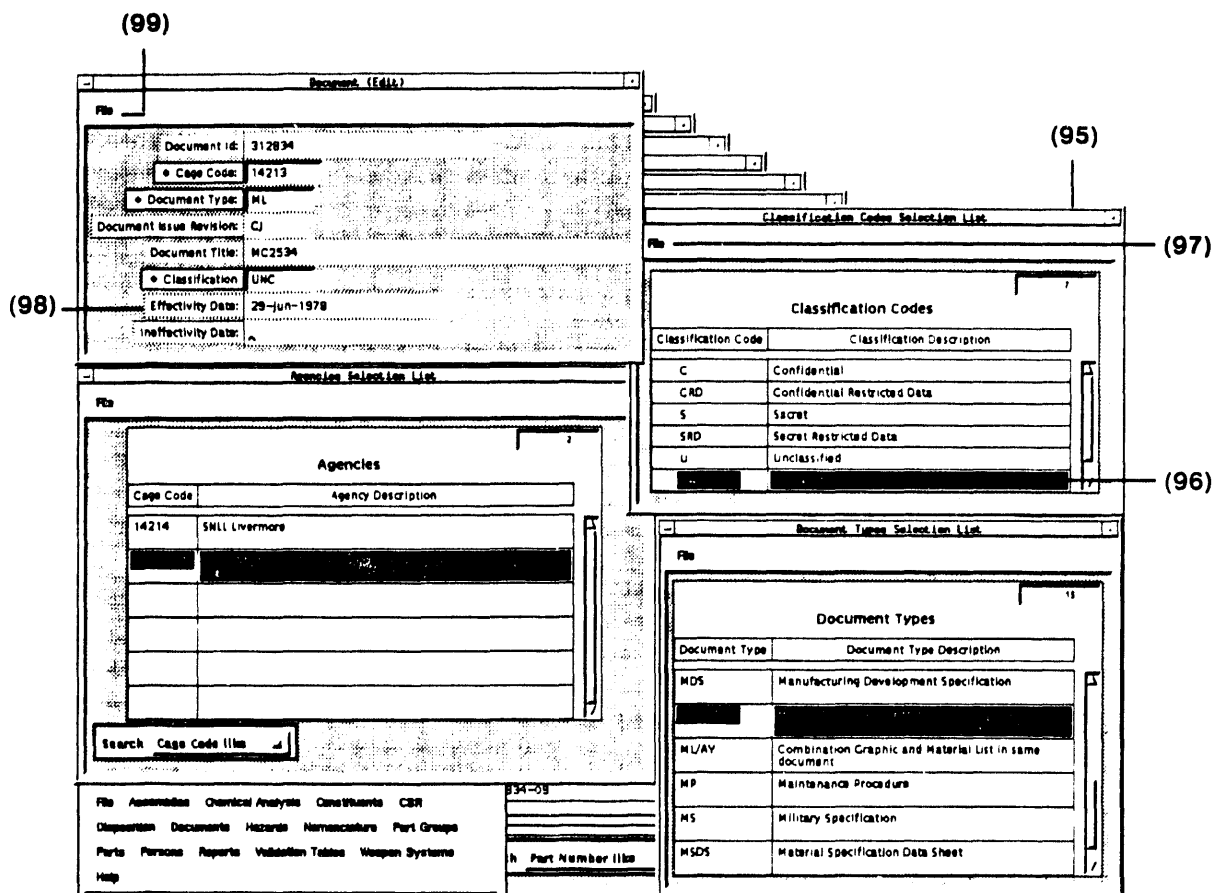
- Click in the Document Issue Revision text box in the **Document (Edit)** window. Type the information from the document. (92)

#### *Document Title*

- Click in the Document Title text box. Type the title from the title block on the document. (93)

#### *Classification*

- Click the diamond symbol in Classification box to activate the **Classification Codes Selection List** window. (94)



- Position this window in a convenient location to be easily accessed. (95)
- Determine the document classification from information on the title block of the document.
- Highlight the appropriate row for the classification code to transfer the information to the **Document (Edit)** window. (96)
- Select File/Close in the **Classification Codes Selection List** window. (97)

#### **Effectivity Date**

- Click in the Effectivity Date text box. Type the information from the document. (98)

#### **Save Entries**

- Select File/Add in the **Document (Edit)** window to transfer the information to the **Documents Selection List** window. (99)

(100)

The screenshot displays a software interface with several overlapping windows. The primary window, titled "Document (Edit)", contains a form with the following fields: Document Id: 312834, Cage Code: 14213, Document Type: ML, Document Issue Revision: CJ, Document Title: MC2534, Classification: UMC, Effectivity Date: 29-Jun-1978, and Ineffectivity Date: . Below this form is a "Revision Selection List" window showing a table of Agencies. To the right, a "Classification Codes Selection List" window displays a table of Classification Codes. At the bottom right, a "Document Types Selection List" window shows a table of Document Types. The main window also features a menu bar with options: File, Assembly, Chemical Analysis, Construction, CBR, Disposition, Documents, Hazards, Nomenclature, Part Groups, Parts, Persons, Reports, Validation Tables, Weapon Systems, and Help. A search bar labeled "Search Cage Code (list)" is located below the Agencies table.

**Document (Edit)**

Document Id: 312834  
Cage Code: 14213  
Document Type: ML  
Document Issue Revision: CJ  
Document Title: MC2534  
Classification: UMC  
Effectivity Date: 29-Jun-1978  
Ineffectivity Date: .

**Revision Selection List**

Cage Code	Agency Description
14214	SNLL Livermore

Search Cage Code (list)

**Classification Codes Selection List**

Classification Code	Classification Description
C	Confidential
CRO	Confidential Restricted Data
S	Secret
SRO	Secret Restricted Data
U	Unclassified

**Document Types Selection List**

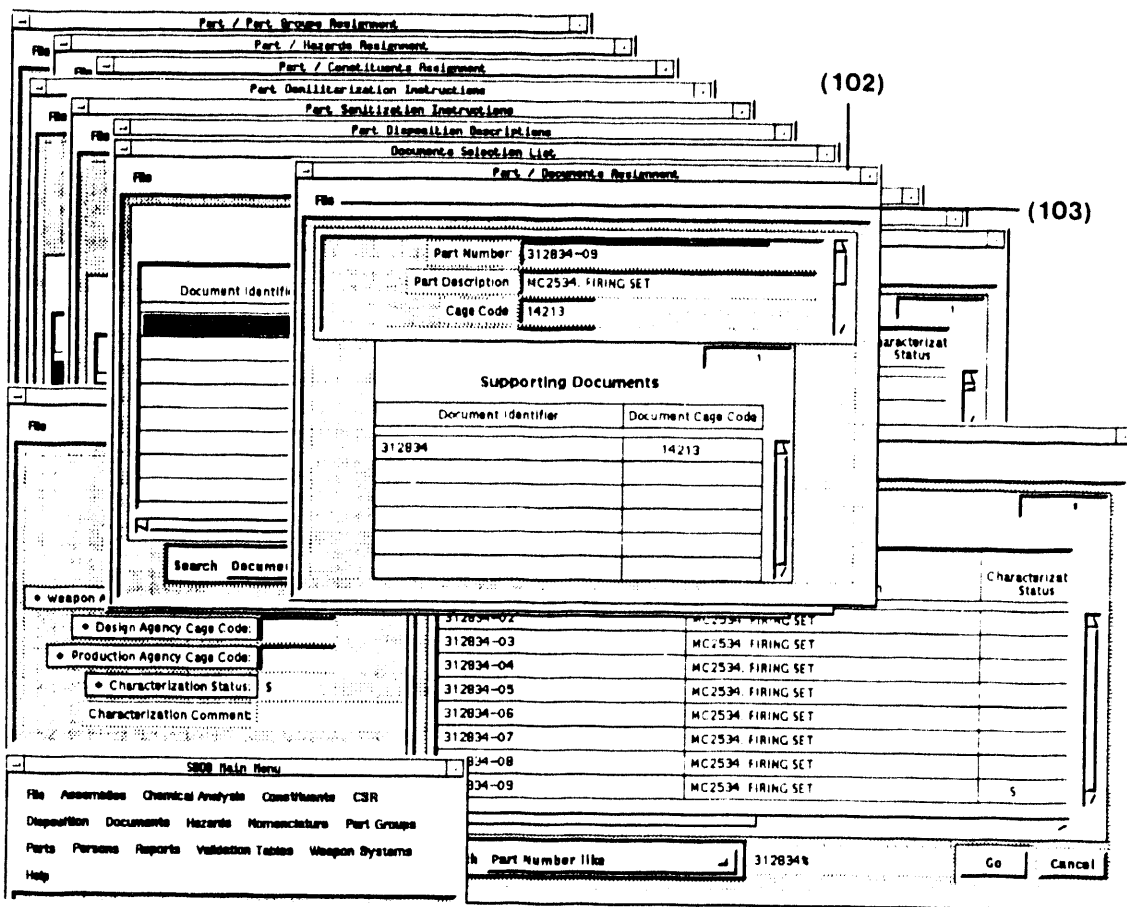
Document Type	Document Type Description
MDS	Manufacturing Development Specification
ML/AY	Combination Graphic and Material List in same document
MP	Maintenance Procedure
MS	Military Specification
MSDS	Material Specification Data Sheet

File Assembly Chemical Analysis Construction CBR  
Disposition Documents Hazards Nomenclature Part Groups  
Parts Persons Reports Validation Tables Weapon Systems  
Help

- Select File/Close in the **Document (Edit)** window. (100)



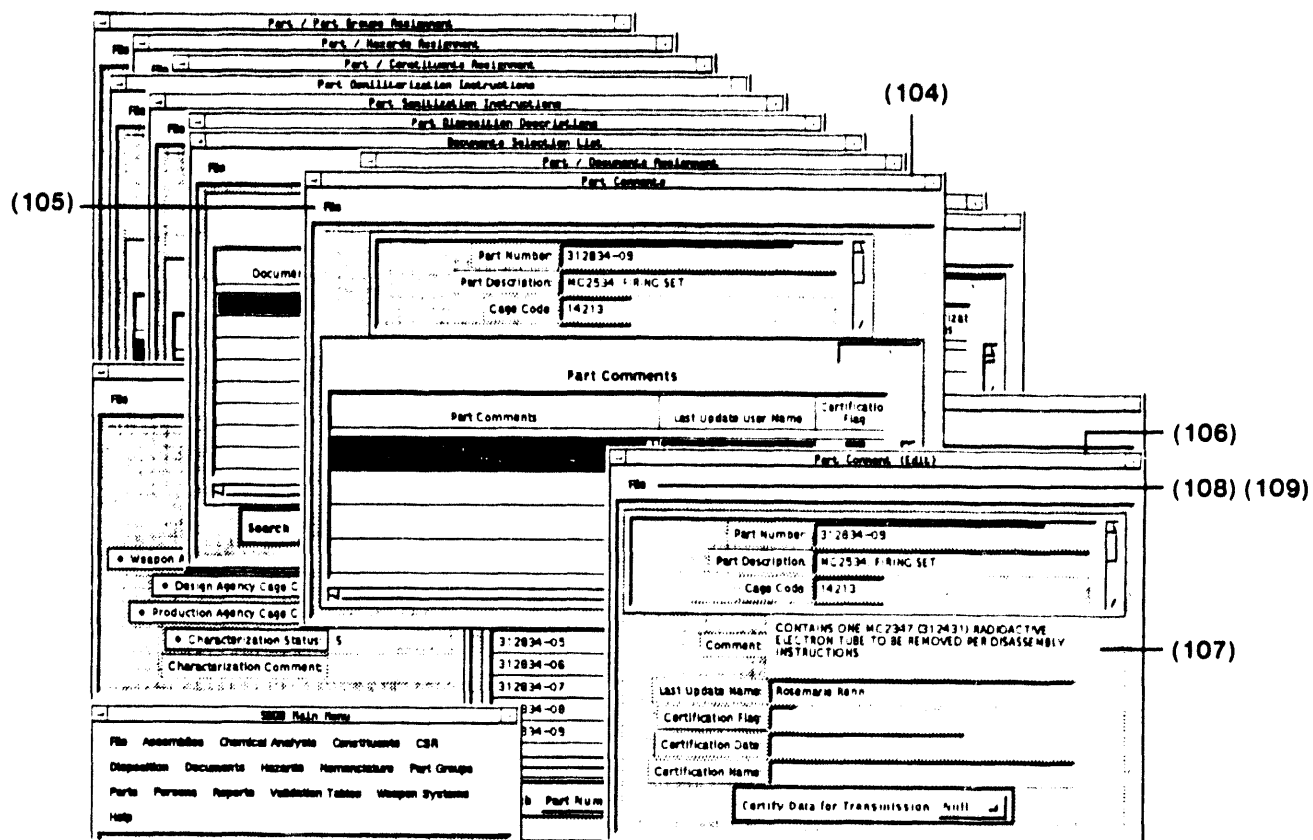




## Part/Documents Assignment

- Activate the **Part/Documents Assignment** window by clicking in the next step of the window arrangement. (102)
- Select File/Add to assign the document highlighted in the **Documents Selection List** window to the part being characterized. The document will be listed in the Supporting Documents list of the **Part/Documents Assignment** window. (103)

Repeat Steps 76 through 103 as many times as necessary to list all documents that provided characterization data.



## Part Comments

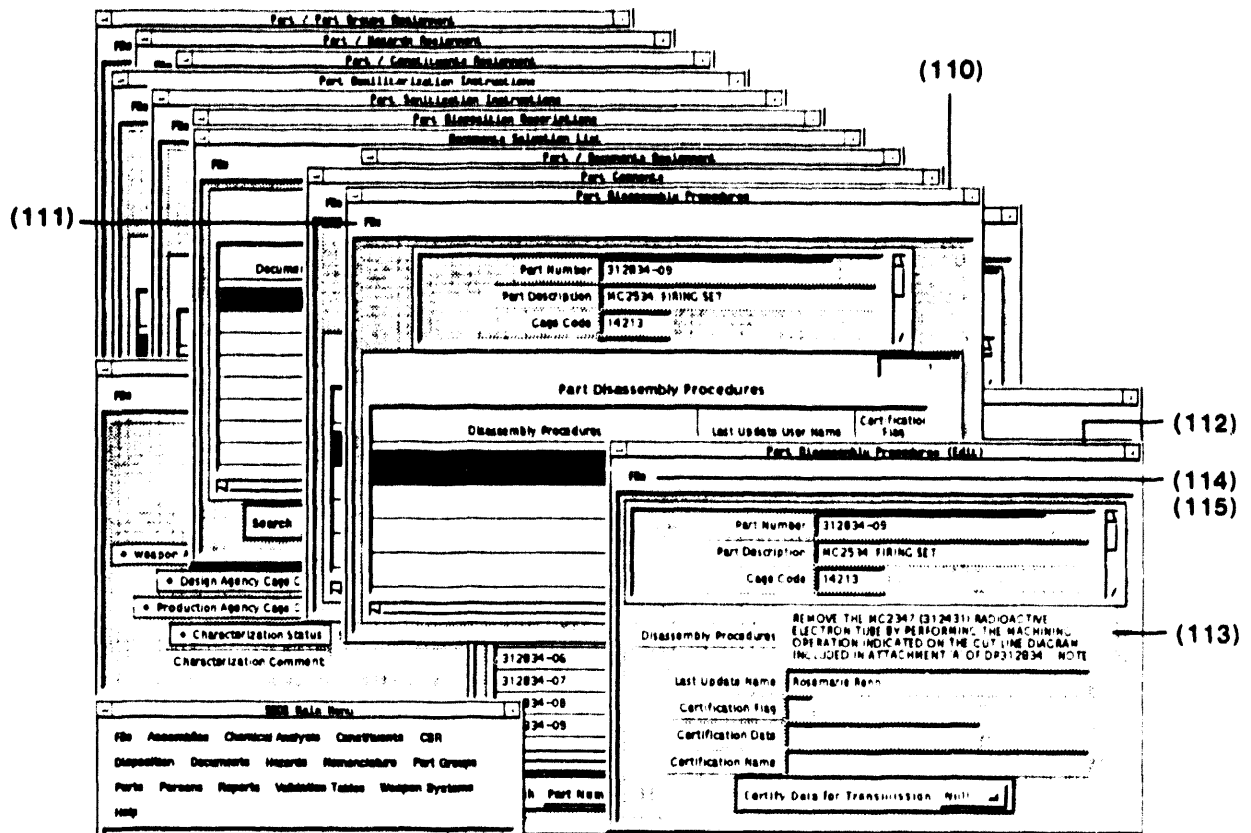
- Activate the **Part Comments** window by clicking in the next step of the window arrangement. (104)
- Select File/Edit to activate the **Part Comment (Edit)** window. (105)
- Position the window in a convenient location to be easily accessed. (106)

### Comment

- Click in the Comment box. Type a comment or NONE in the text box. (107)

### Save Entries

- Select File/Add to transfer the information to the **Part Comments** window. (108)
- Select File/Close in the **Part Comment (Edit)** window. (109)



## Part Disassembly Procedures

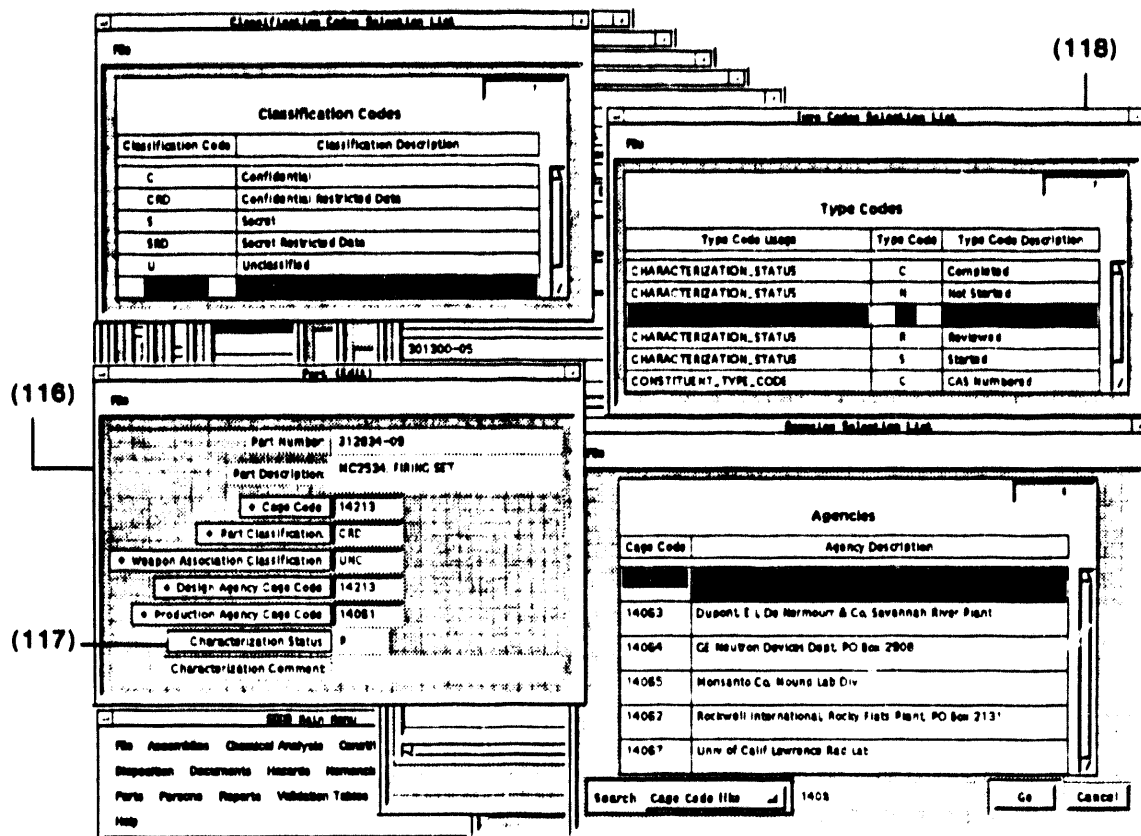
- Activate the **Part Disassembly Procedures** window by clicking in the next step of the window arrangement. (110)
- Select File/Edit to activate the **Part Disassembly Procedures (Edit)** window. (111)
- Position the window in a convenient location to be easily accessed. (112)

### Disassembly Procedures

- Click in the Disassembly Procedures text box. Type procedures for disassembling the items identified in the Disposition Tree. This information can also be found in the DP Document, if a document has been generated for the part being characterized. If disassembly is not required, type NONE in the text box. (113)

### Save Entries

- Select File/Add to transfer the information to the **Part Disassembly Procedures** window. (114)
- Select File/Close in the **Part Disassembly Procedures (Edit)** window. (115)



## Part (Edit)

- Activate the Part (Edit) window by clicking on the outline of the window, located above the **SDDB Main Menu**. (116)

**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

*Part Number, Description, Cage Code, Part Classification, Weapon Association Classification, Design Agency Cage Code, Production Agency Cage Code*

- Verify information for these text boxes with the document package and modify as appropriate.
- Refer to Simple Parts, Example 1, if information is missing or if discrepancies are found.

### Characterization Status

- Click on the diamond symbol in the Characterization Status box to activate the **Type Codes Selection List** window. (117)
- Position this window in a convenient location to be easily accessed. (118)

The screenshot displays a software interface with four overlapping windows. Callouts (119), (120), and (121) point to specific elements in the windows.

**Classification Codes Window:**

Classification Code	Classification Description
C	Confidential
CRD	Confidential Restricted Data
S	Secret
SRD	Secret Restricted Data
U	Unclassified

**Type Codes Window (120):**

Type Code Usage	Type Code	Type Code Description
CHARACTERIZATION STATUS	C	Completed
CHARACTERIZATION STATUS	R	Not Started
CHARACTERIZATION STATUS	B	Reviewed
CHARACTERIZATION STATUS	S	Started
CONSTITUENT TYPE CODE	C	CAS Numbered

**Part Selection List Window (121):**

Part Number: 312824-05  
 Part Description: HC2534 FIRE INC SET

• Cage Code: 14213  
 • Part Classification: CRD  
 • Weapon Association Classification: UNC  
 • Design Agency Cage Code: 14213  
 • Production Agency Cage Code: 14081  
 Characterization Status: P  
 Characterization Comment: Y

**Agencies Window:**

Cage Code	Agency Description
14083	Dupont E I De Nemours & Co Savannah River Plant
14084	FD Nuclear Device Dept PO Box 2908
14085	Monsanto Co Mound Lab Div
14082	Rockwell International Rocky Flats Plant PO Box 213
14087	Univ of Calif Lawrence Rad Lab

Search: Cage Code like 1408 Go Cancel

- Highlight the row labeled P. This code indicates that the characterization is partially complete. It also indicates that the characterization is ready for review and internal QA/QC. (119)
- Select File/Close in the **Type Codes Selection List** window. (120)

#### Characterization Comment

- Click in the Characterization Comment text box.
- Type Y if the part needs to be returned from DoD custody to the DOE production agency for disposition.
- Type N if the part does not need to be returned from DoD custody.

#### Save Entries

- Select File/Modify to transfer the information to the **Part Selection List** window. (121)

## **Procedures for Characterization/Data Entry of Complex Parts**

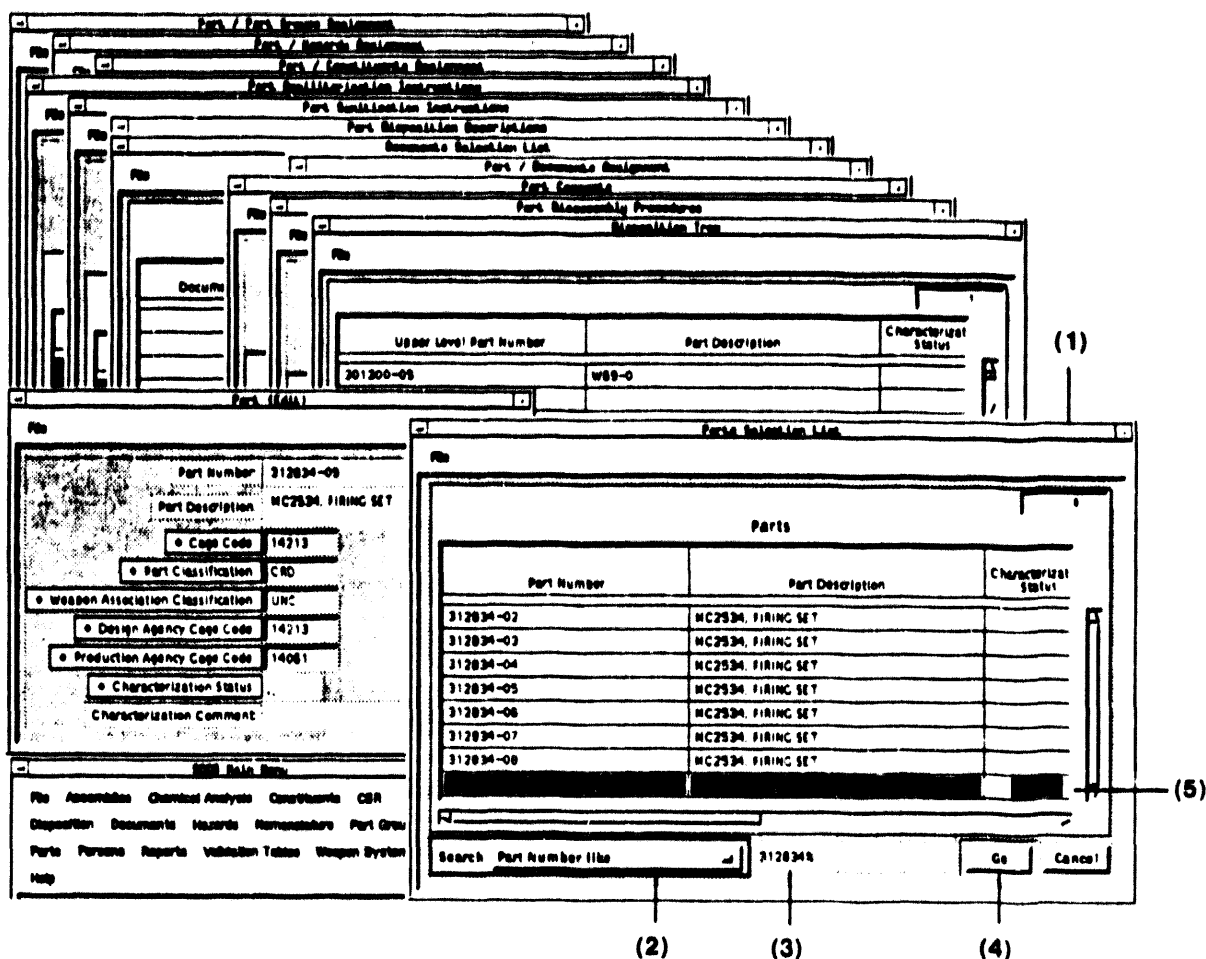
### **Example**

Part Number 312834-09 describes a firing set. Material List (ML) 312834 and Disassembly Procedure (DP) DP312834 are provided at the end of this section with corresponding callouts that show where to get the information for data entry.

**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

Refer to the Log-in Procedure in the General Section to log in and to set up the window arrangement from the **SDDB Main Menu**.

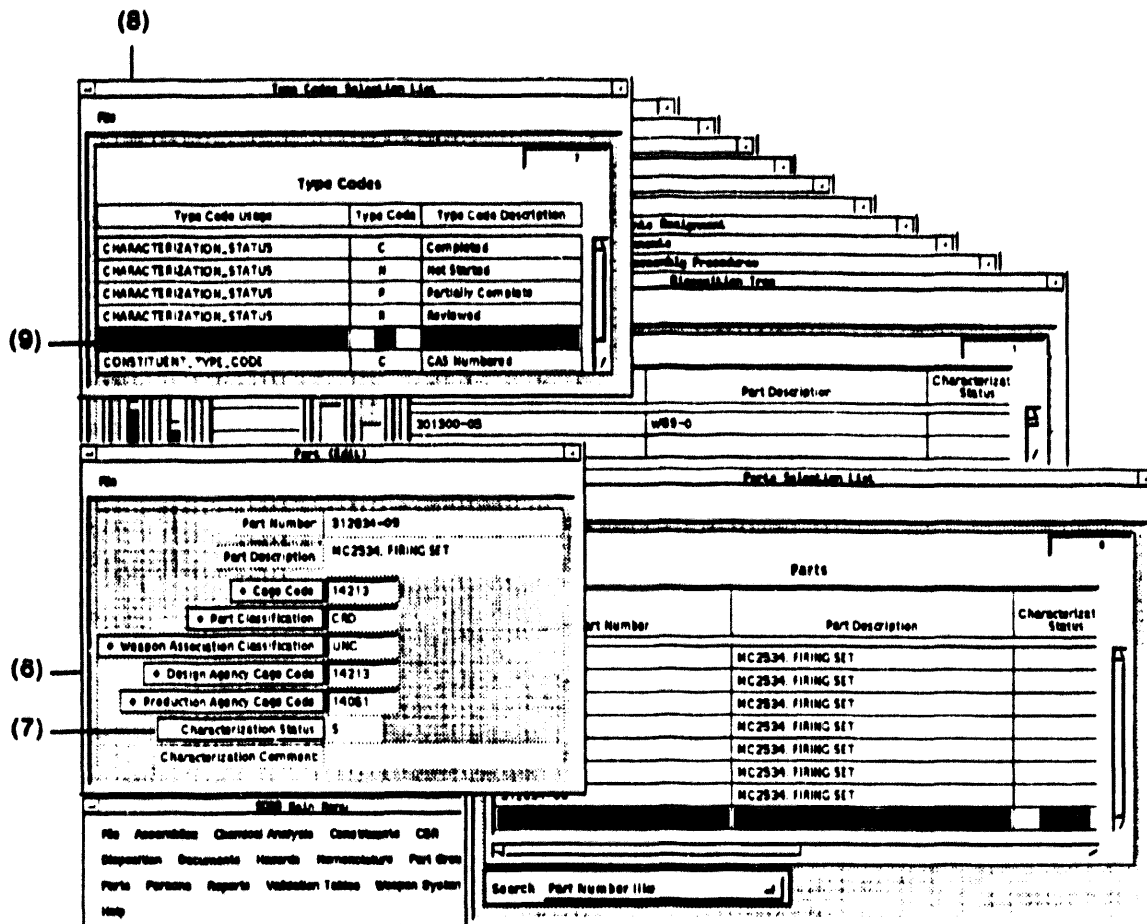
**NOTE:** The top bar of the active window is a different color or shade from the inactive windows.



## Parts Selection List

- Activate the **Parts Selection List** window by clicking on the top bar of the window, located at the lower right side of the screen. (1)
- Select **Part Number Like/Part Number Like** at the bottom of the window to display a text box. (2)
- Type the six-digit portion of the part number to be characterized (312834) as it appears in the **Design Agency Part Number** column of the ML. (3)
- Press the **Return** key or click the **Go** button in the window. A parts list is displayed. (4)
- Highlight the appropriate row for the suffix to be characterized (312834-09) from the listing in the **Parts Selection List** window. (5)





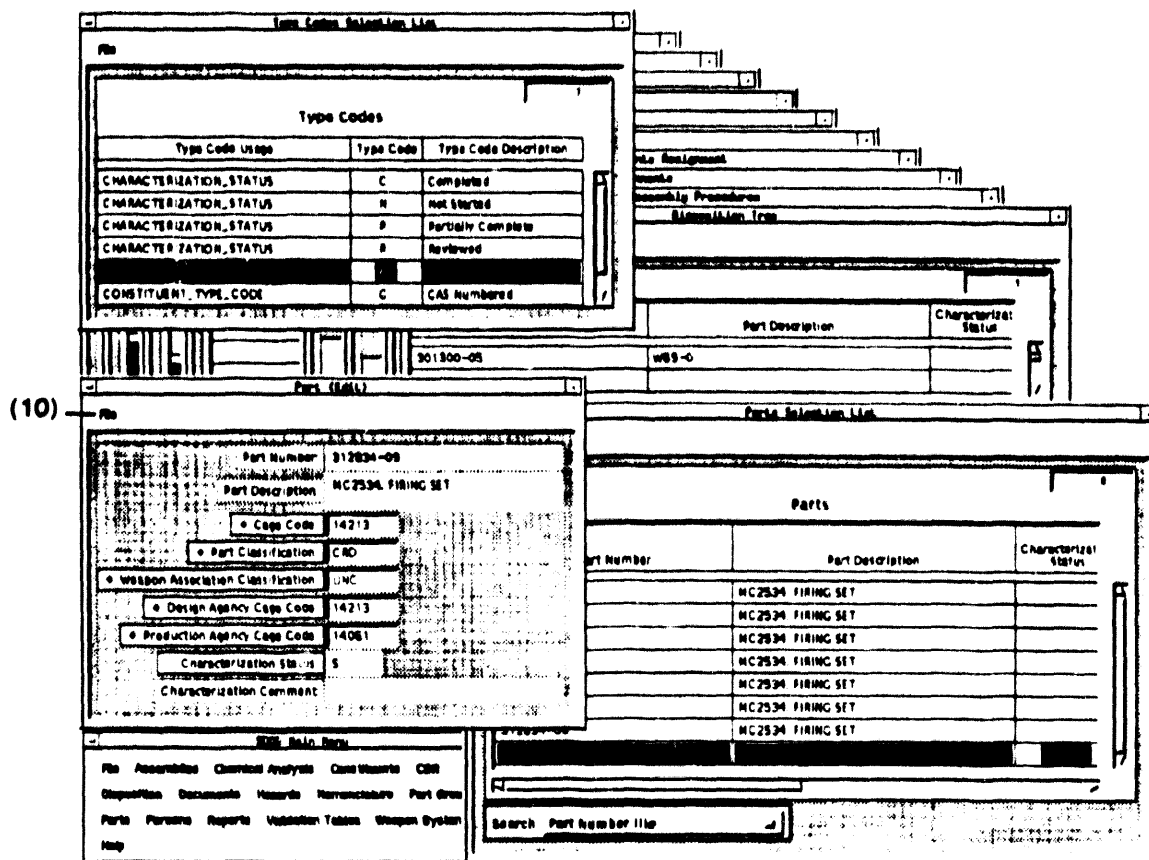
## Part (Edit)

### Characterization Status

- Activate the **Part (Edit)** window by clicking on the outline of the window located above the **SDDB Main Menu**. (6)

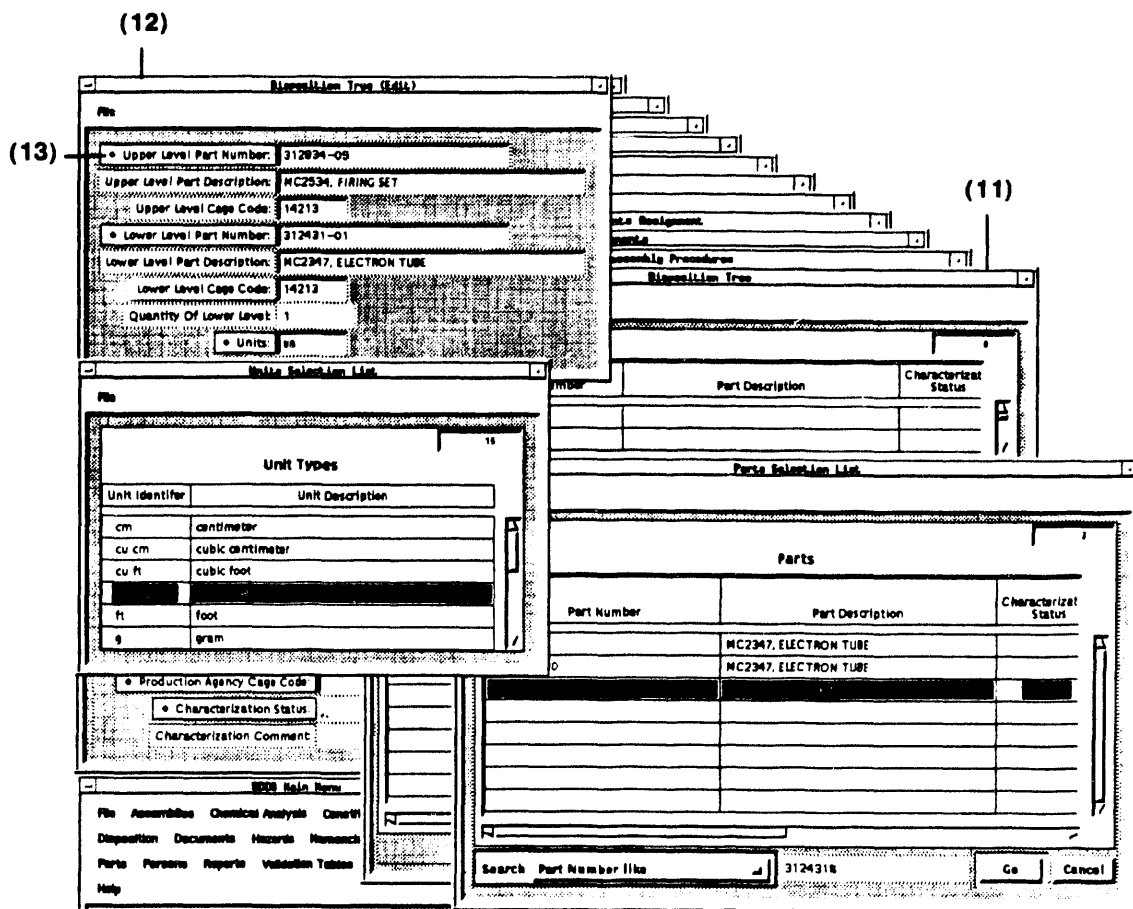
NOTE: A text box that includes a diamond symbol (◆) indicates that a pick list has to be accessed to enter data into the text box. Access the pick list by clicking on the diamond and making the appropriate selection from the pick list window. A text box without a diamond symbol indicates that information must be typed. For consistency, type the information in capital letters.

- Click on the diamond symbol in the Characterization Status box to activate the **Type Codes Selection List** window. (7)
- Position this window in a convenient location to be easily accessed. (8)
- Highlight the row labeled S. This code indicates that the characterization has started. (9)
- Select File/Close in the **Type Codes Selection List** window.



- Select File/Modify in the upper left side of the **Part (Edit)** window. These selections transfer an S to the Characterization Status column in the **Part Selection List** window. (10)

**NOTE:** If more than one part number/suffix is listed, it may be necessary to repeat Step 5.



## Disposition Tree

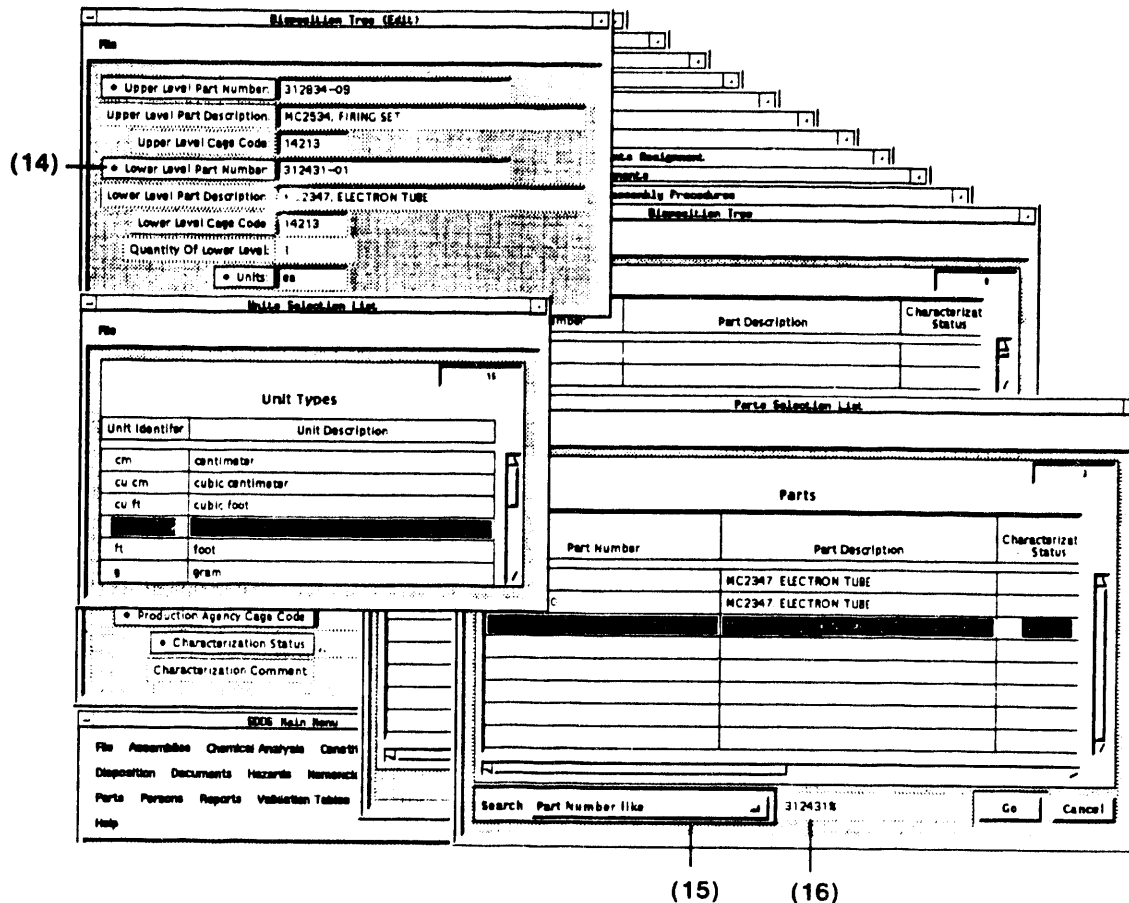
- Activate the **Disposition Tree** window by clicking on the last step of the window arrangement. (11)
- Select File/Edit to activate the **Disposition Tree (Edit)** window.
- Position this window in a convenient location to be easily accessed. (12)

**CAUTION:** The Upper Level Part Number in the **Disposition Tree (Edit)** window does not always correspond to the Upper Level Part Number section in the **Disposition Tree** window; and the Lower Level Part Number in the **Disposition Tree (Edit)** window does not always correspond to the Lower Level Part Number section in the **Disposition Tree** window during the editing process.

*Upper Level Part Number, Upper Level Part Description, and Upper Level Cage Code*

- Click on the diamond symbol in the Upper Level Part Number box to activate the **Parts Selection List** window in the lower right side of the screen. (13)

**NOTE:** The diamond symbol selections (◆) for upper and lower level part numbers are required steps to transfer the information correctly from the **Parts Selection List** window to the appropriate location in the **Disposition Tree (Edit)** window.

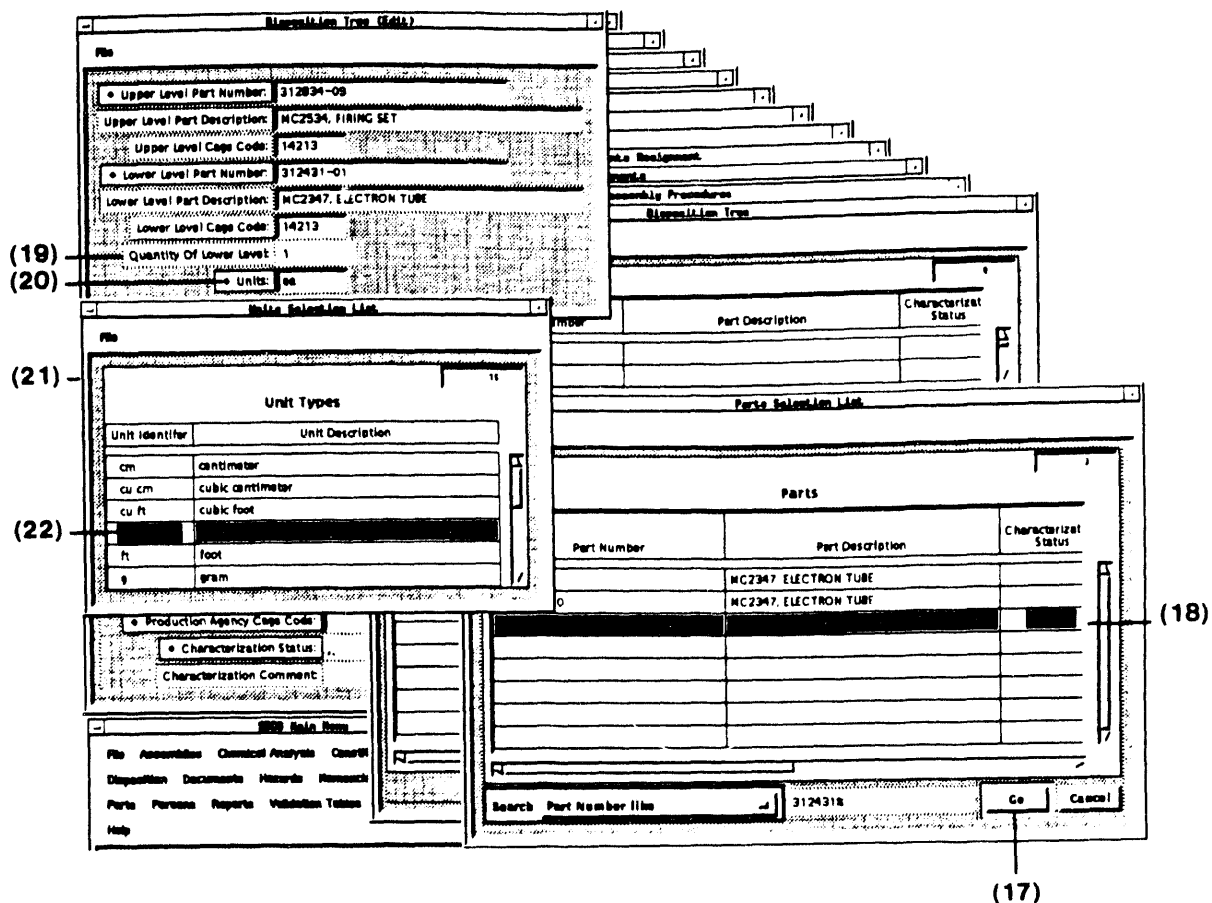


- Select Part Number Like/Part Number Like to display a text box.
- Verify the part number (312834) that is displayed.
- Press the return key or click the Go button in the window. A parts list is displayed.
- Highlight the appropriate row for the suffix (312834-09) of the upper level part.

*Lower Level Part Number, Lower Level Part Description, and Lower Level Cage Code*

- Click on the diamond symbol in the Lower Level Part Number box to activate the **Parts Selection List** window in the lower right side of the screen. (14)
- Select Part Number Like/Part Number Like to display a text box. (15)
- Type the part number (312431) of the lower level part. This number is for a Krytron tube that needs to be removed and dispositioned separately. The number is listed as V1 on the Electrical Parts List for MC2534, AL312834 (not provided) or can be obtained from the electrical subassemblies (not provided). (16)

NOTE: Consultation with an experienced disassembly group was performed before deciding which pieces should be disassembled.



- Press the Return key or click the Go button in the window. A parts list is displayed. (17)
- Highlight the appropriate row for the suffix (312431-01) of the lower level part. All lower level parts are characterized separately. (18)

**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

#### *Quantity of Lower Level*

- Click in the Quantity of Lower Level text box and type 1. This information can be obtained from the electrical parts list or subassemblies. (19)

#### *Units*

- Click on the diamond symbol in the Units box to activate the **Unit Selection List** window. (20)
- Position this window in a convenient location to be easily accessed. (21)
- Highlight the row for the Unit Identifier (ea) to transfer to the **Disposition Tree (Edit)** window. (22)



(25)

Part / Part Group Assignment

Part / Hazards Assignment

Part / Comments Assignment

Part Demilitarization Instructions

Part Sanitization Instructions

Part Disposition Descriptions

Documents Selection List

Part / Documents Assignment

Part Comments

Part Assembly Procedure

Disposition Tree

Upper Level Part Number	Part Description	Characterization Status
301300-05	W69-0	

Current Part Number	Current Part Description	Characterization Status

Lower Level Part Number	Part Description	Characterization Status
312431-01	MC2347, ELECTRON TUBE	
359570-01	CF2036, CABLE ASSEMBLY, SPECIAL	

Part (Edit)

Part Number: 31283

Part Description: MC25

Cage Code: 14213

Part Classification: CRD

Weapon Association Classification: UNC

Design Agency Cage Code: 14213

Production Agency Cage Code: 14061

Characterization Status: 3

Characterization Comment:

2008 Main Menu

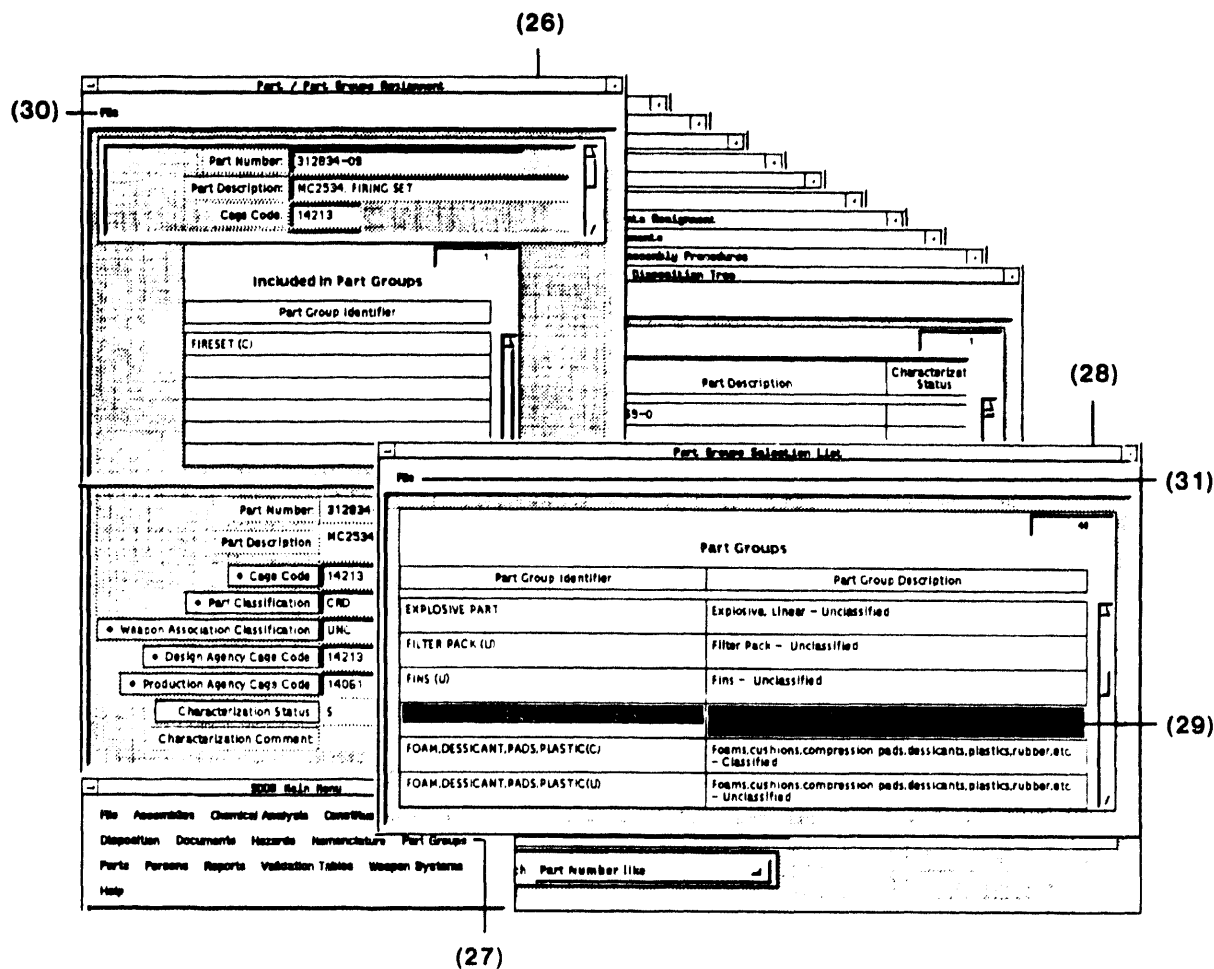
File Assemblies Chemical Analysis Comments

Disposition Documents Hazards Remarks

Parts Persons Reports Validation Tables

Help

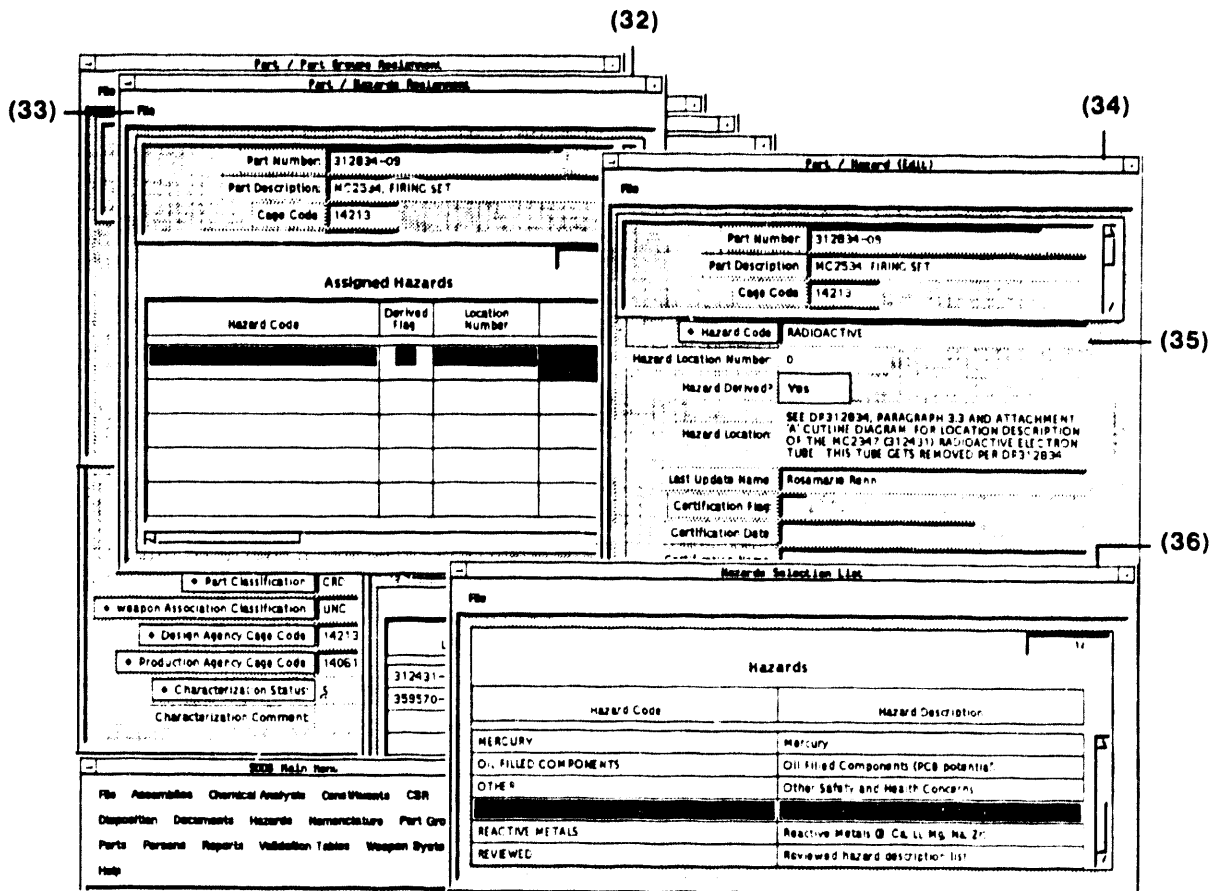
- Activate the **Disposition Tree** window by clicking in the last step of the window arrangement. The results of the disposition tree structure will be displayed. (25)



## Part/Part Groups Assignment

- Activate the **Part/Part Groups Assignment** window by clicking in the first step of the window arrangement. (26)
- Select Part Groups/Part Groups from the **SDDB Main Menu** on the lower left side of the screen to activate the **Part Groups Selection List** window. (27)
- Position this window in a convenient location to be easily accessed. (28)
- Use the scroll bar at the right side of the window to move through the list of part groups.
- Highlight the FIRESET (C) row for the part group according to the Demilitarization and Sanitization for Disposition (DSD) General Guidance Manual (Appendix A). The E in the Part Class column on the ML indicates the part classification level is Confidential Restricted Data. (29)
- Select File/Add in the **Part/Part Groups Assignment** window to assign the part group to the part being characterized. These selections transfer the information to the **Part/Part Groups Assignment** window. (30)
- Select File/Close in the **Part Groups Selection List** window. (31)





## Part/Hazards Assignment

The input of this information requires activity in three windows: the **Part/Hazards Assignment**, **Part/Hazard (Edit)**, and the **Hazards Selection List** windows.

- Activate the **Part/Hazards Assignment** window by clicking in the next step of the window arrangement. (32)

**NOTE:** Personnel entering the data should review the documentation package for hazards. For additional guidance, consult with engineering staff having design knowledge about the part.

- Select File/Edit to activate the **Part/Hazard (Edit)** window. (33)
- Position this window in a convenient location to be easily accessed. (34)

### Hazard Code

- Click on the diamond symbol in the Hazard Code box to activate the **Hazards Selection List** window. (35)
- Position this window in a convenient location to be easily accessed. (36)
- Use the scroll bar on the right side of the window to move through the Hazards list.



Part / Part Hazard Assignment  
Part / Hazard Assignment

Part Number: 312834-09  
Part Description: MC2834 FIRING SET  
Cage Code: 14213

Assigned Hazards

Hazard Code	Derived Flag	Location Number

Part / Hazard (Edit)

Part Number: 312834-09  
Part Description: MC2834 FIRING SET  
Cage Code: 14213

Hazard Code: RADIOACTIVE

Hazard Location Number: 0

Hazard Derived: Yes

Hazard Location: A CUTLINE DIAGRAM FOR LOCATION DESCRIPTION OF THE MC2834 C3124311 RADIOACTIVE ELECTRON TUBE THIS TUBE GETS REMOVED PER DP312834 INSTRUCTIONS

Last Update Name: Rosemarie Renn

Certification Flag: ☐

Certification Date:

Hazards Selection List

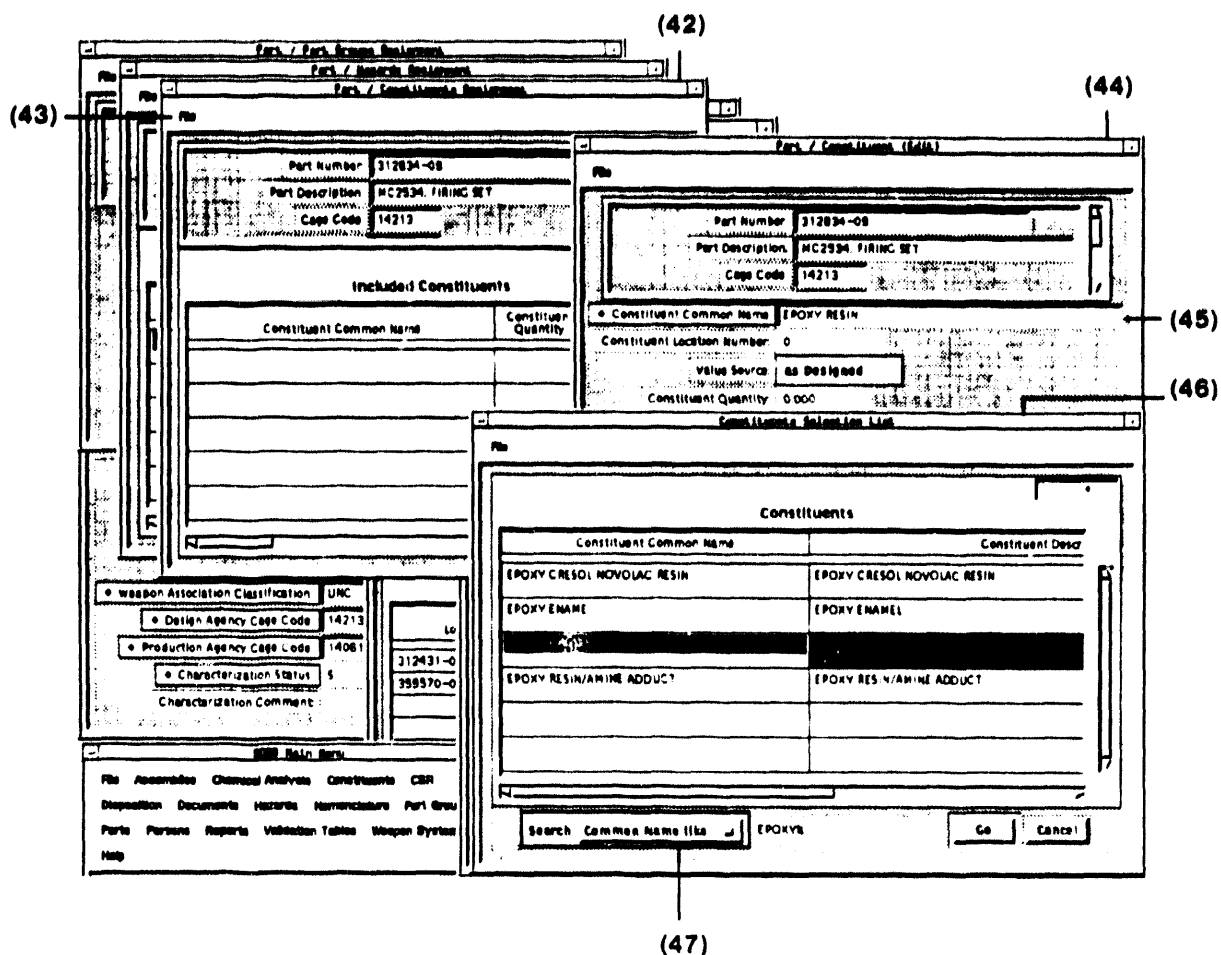
Hazards	
Hazard Code	Hazard Description
MERCURY	Mercury
OIL FILLED COMPONENTS	Oil Filled Components (PCB potential)
OTHER	Other Safety and Health Concerns
REACTIVE METALS	Reactive Metals (Ca, Li, Mg, Na, Zn)
REVIEWED	Reviewed hazard description list

Part Classification: CRD  
Weapon Association Classification: UNC  
Design Agency Cage Code: 14213  
Production Agency Cage Code: 14061  
Characterization Status: 3  
Characterization Comment: 312431-358570-

File Assembly Chemical Analysis Construction CSB  
Disposition Documentation Hazards Remanufacture Part Gen  
Parts Persons Reports Validation Tables Weapon Cycle  
Help

### Save Entries

- Select File/Add in the **Part/Hazard (Edit)** window to assign the part hazards to the part. These selections transfer the information to the **Part/Hazards Assignment** window. (40)
- Select File/Close in the **Part/Hazard (Edit)** window. These selections also close accessed windows. (41)

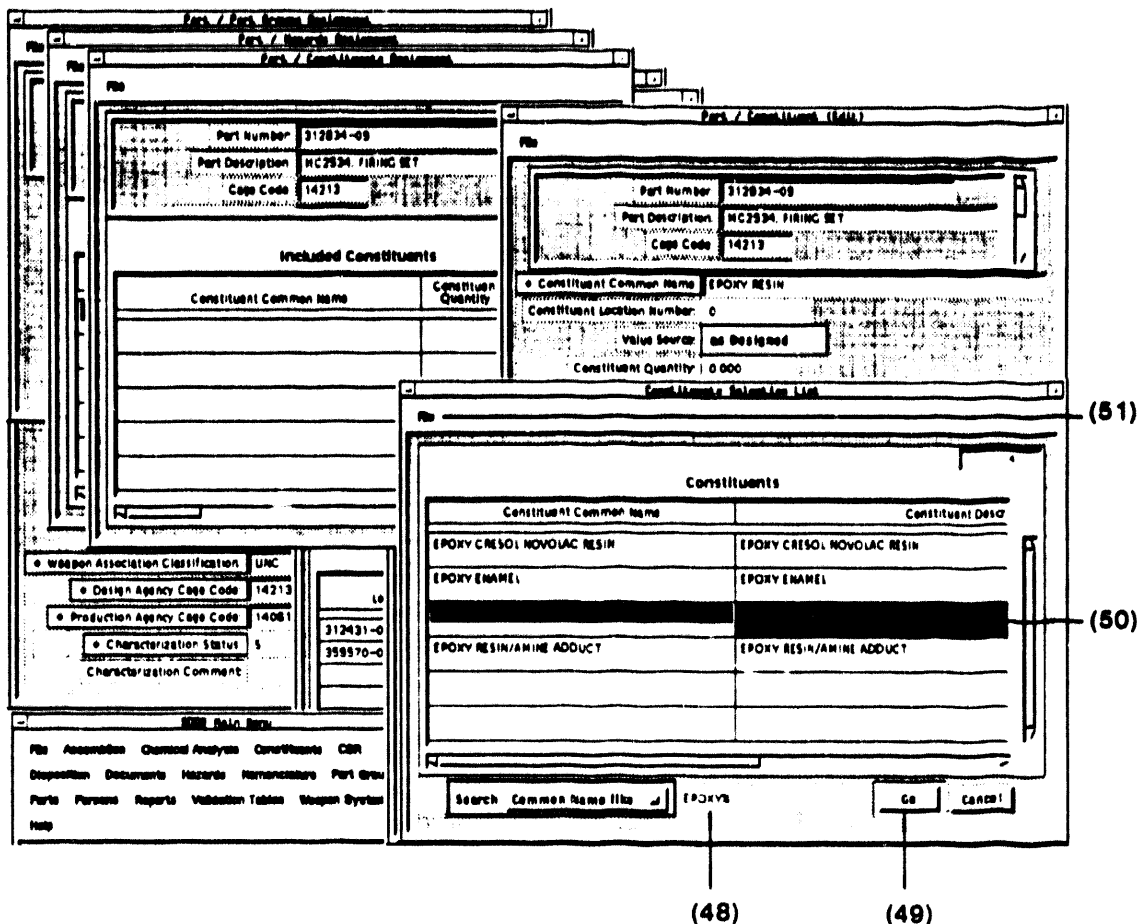


## Part/Constituents Assignment

- Activate the **Part/Constituents Assignment** window by clicking in the next step of the window arrangement. (42)
- Select File/Edit to activate the **Part/Constituent (Edit)** window. (43)
- Position this window in a convenient location to be easily accessed. (44)

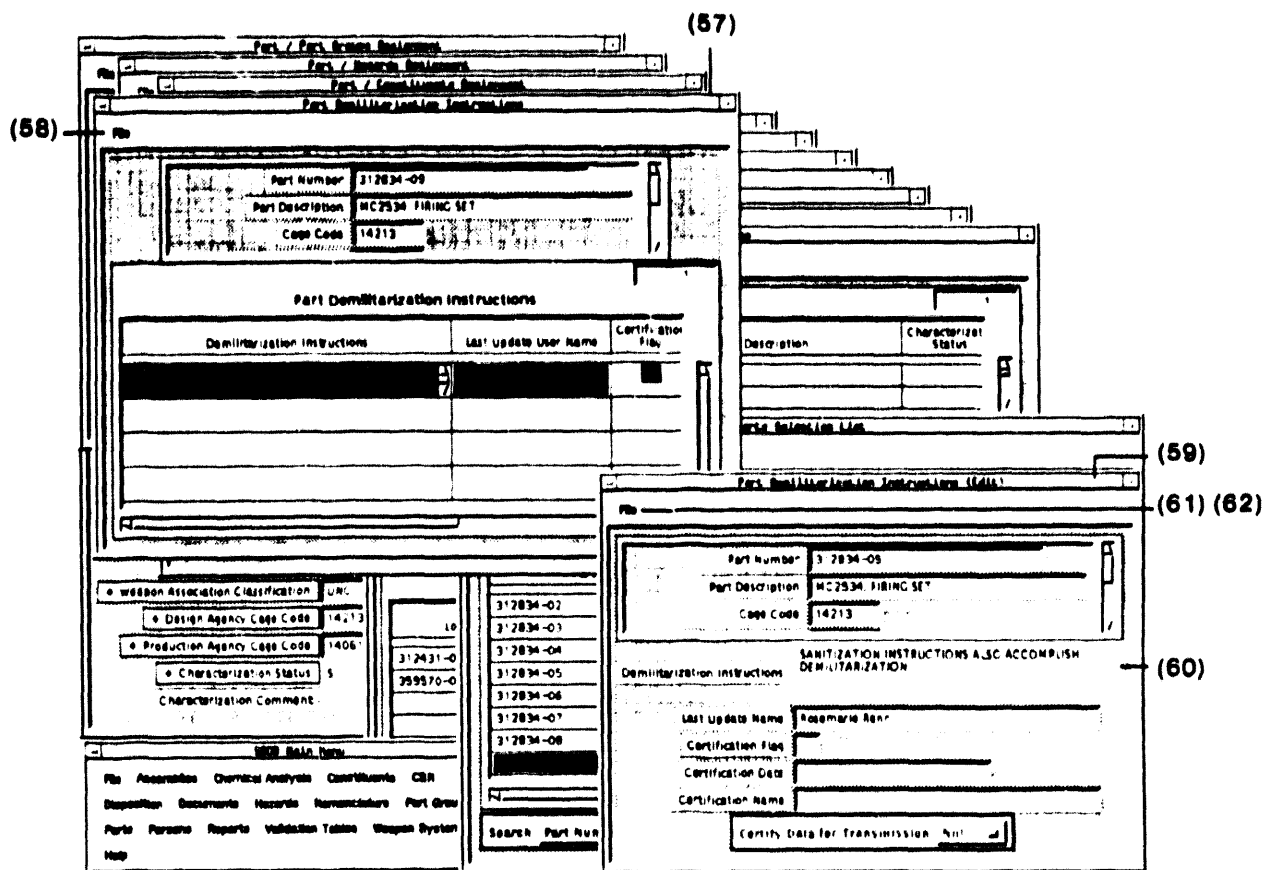
### Constituent Common Name

- Click on the diamond symbol in the Constituent Common Name box to activate the **Constituents Selection List** window. (45)
- Position this window in a convenient location to be easily accessed. (46)
- Find materials that make up the part from the documents that describe the part. After the Krytron tube is removed, an encapsulated electrical assembly that fails the Toxicity Characteristic Leaching Procedure (TCLP) remains to be characterized. The encapsulation material is generally used as the constituent for encapsulated electrical assemblies. See the ML.
- Select Common Name Like/Common Name Like to display a text box. (47)



- Type the constituent common name for the encapsulation material (EPOXY) indicated on the ML. (In this case, use of the  $\odot$  sign brings up a very long list.) (48)
- Press the Return key or click the Go button in the window. A constituent list is displayed. (49)
- Use the scroll bar on the right side of the window to move through the constituents list.
- Highlight the EPOXY RESIN row to transfer the information to the Part/Constituent (Edit) window. (50)
- Select File/Close in the **Constituents Selection List** window. (51)





## Part Demilitarization Instructions

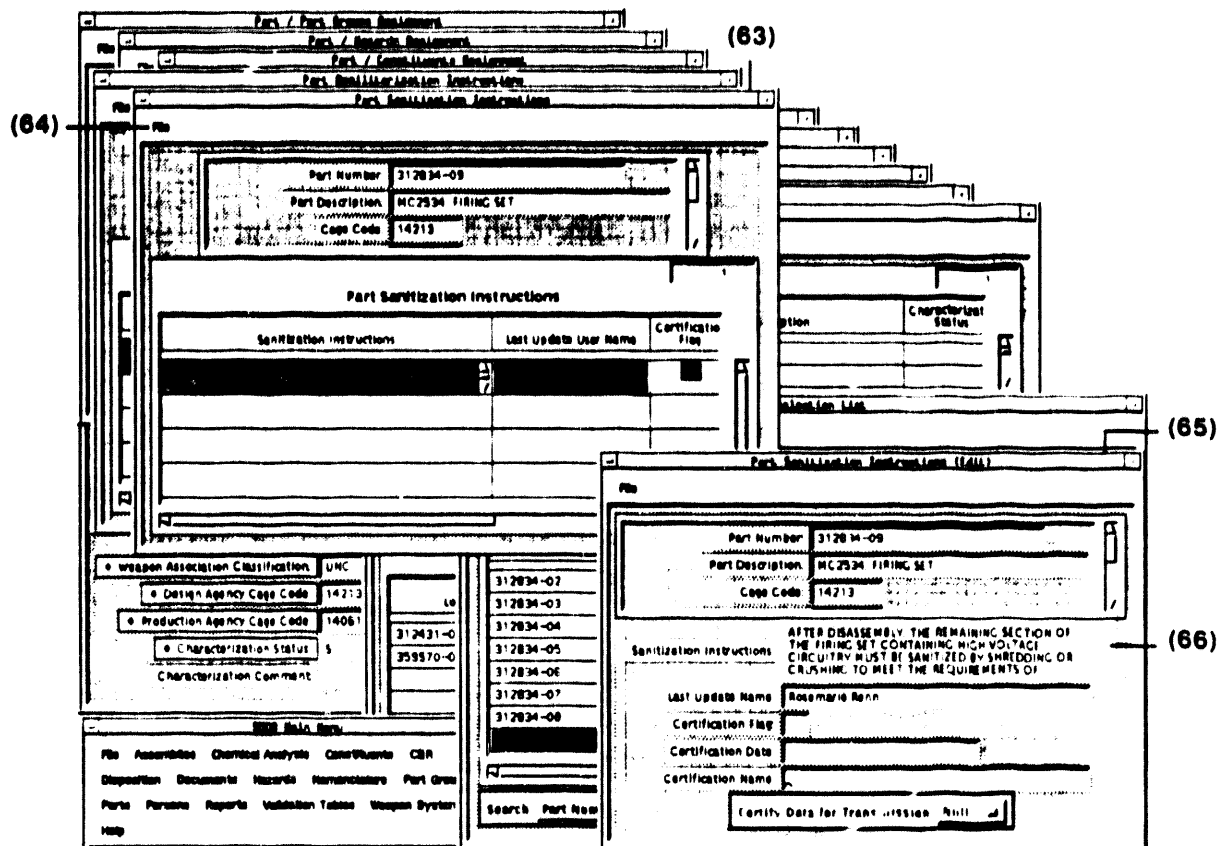
- Activate the **Part Demilitarization Instructions** window by clicking in the next step of the window arrangement. (57)
- Select File/Edit to activate the **Part Demilitarization Instructions (Edit)** window. (58)
- Position this window in a convenient location to be easily accessed. (59)

### Demilitarization Instructions

- Refer to the DSD Manual to determine if demilitarization is required for the Part Group that has been assigned to the part being characterized.
- Click in the Demilitarization Instructions text box. For this example, type: SANITIZATION INSTRUCTIONS ALSO ACCOMPLISH DEMILITARIZATION. (60)

### Save Entries

- Select File/Add to transfer the information to the **Part Demilitarization Instructions** window. (61)
- Select File/Close in the **Part Demilitarization Instructions (Edit)** window. (62)



## Part Sanitization Instructions

- Activate the **Part Sanitization Instructions** window by clicking in the next step of the window arrangement. (63)
- Select File/Edit to activate the **Part Sanitization Instructions (Edit)** window. (64)
- Position this window in a convenient location to be easily accessed. (65)

**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

### Sanitization Instructions

- Click in the Sanitization Instructions text box. Page 3, paragraph 3.14 and page 5 of the DP give sanitization instructions for this fireset. Type the information displayed in the two window arrangements showing this step. (66)



Part / Part Group Assignment  
 Part / Hazard Assignment  
 Part / Component Assignment  
 Part Sanitization Instructions  
 Part Sanitization Instructions

Part Number: 312834-09  
 Part Description: MC2534, FIRING SET  
 Cage Code: 14213

Part Sanitization Instructions

Sanitization Instructions	Last Update User Name	Certification Flag

Characterization Status

Selection List

Part Sanitization Instructions (Edit)

Part Number: 312834-09  
 Part Description: MC2534, FIRING SET  
 Cage Code: 14213

Sanitization Instructions: THE FIRING SET CONTAINING HIGH VOLTAGE CIRCUITRY MUST BE SANITIZED BY SHREDDING OR CRUSHING TO MEET THE REQUIREMENTS OF ATTACHMENT B OF DP312834

Last Update Name: Rosemarie Renn  
 Certification Flag:  
 Certification Data:  
 Certification Name:

Certify Data for Transmission: Null

3009 Main Menu

File Assemblies Chemical Analysis Components CBR  
 Disposition Documents Hazards Manufacturing Part Group  
 Parts Persons Reports Validation Tables Weapon System  
 Help

312834-02  
 312834-03  
 312834-04  
 312834-05  
 312834-06  
 312834-07  
 312834-08

312431-0  
 359570-0

Design Agency Cage Code: 14213  
 Production Agency Cage Code: 14061  
 Characterization Status: S  
 Characterization Comment:

Weapon Association Classification: UNC

Lo

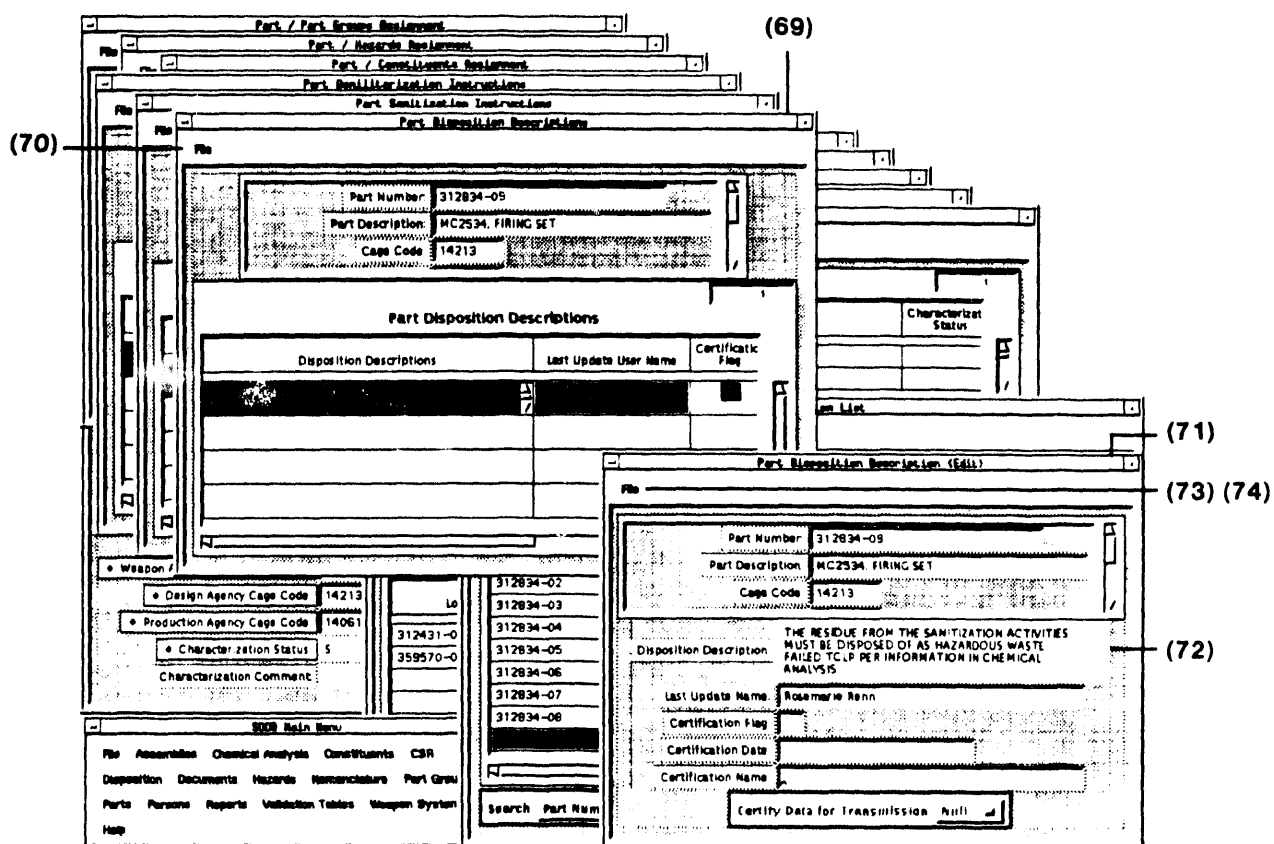
Search Part Num

(67) (68)

(66)

### Save Entries

- Select File/Add in the **Part Sanitization Instructions (Edit)** window to transfer the information to the **Part Sanitization Instructions** window. (67)
- Select File/Close in the **Part Sanitization Instructions (Edit)** window. (68)



## Part Disposition Description

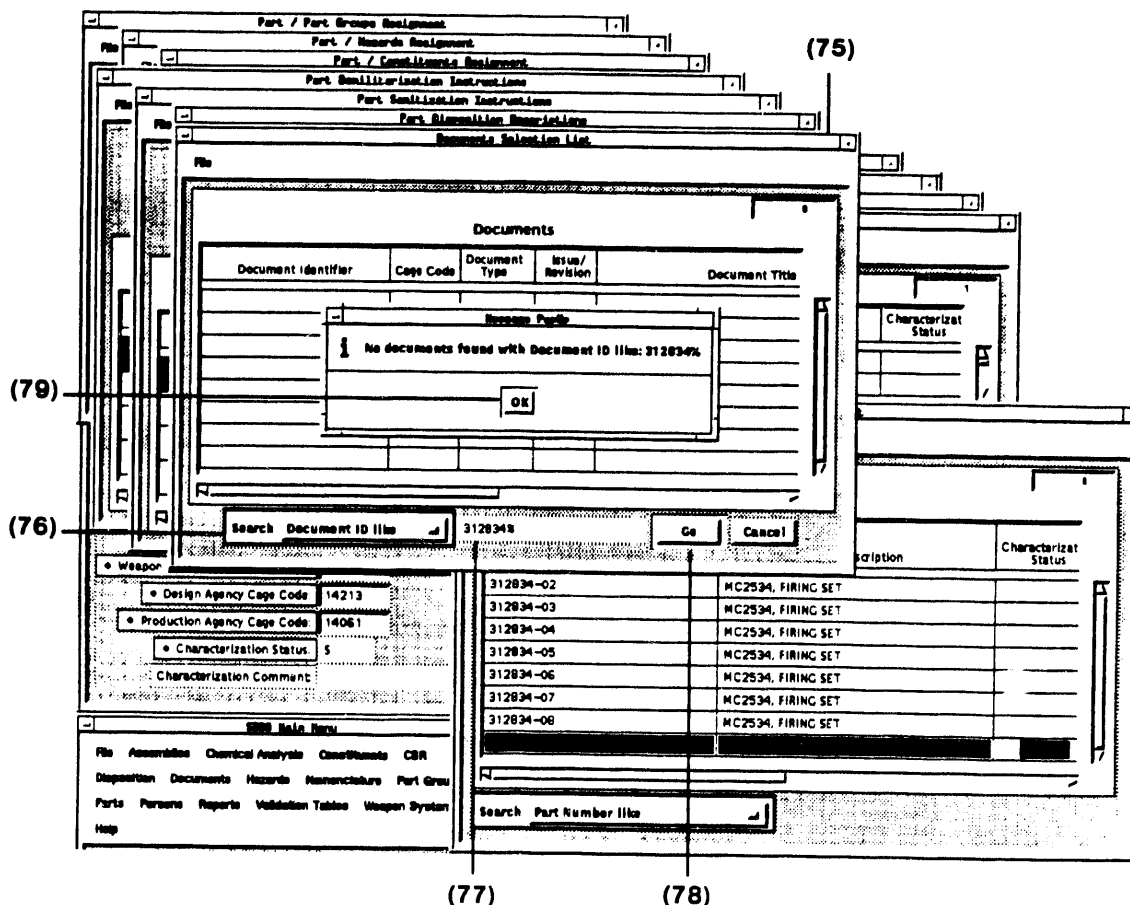
- Activate the **Part Disposition Description** window by clicking in the next step of the window arrangement. (69)
- Select File/Edit to activate the **Part Disposition Description (Edit)** window. (70)
- Position this window in a convenient location to be easily accessed. (71)

### Disposition Descriptions

- Click in the Disposition Description text box. Page 3, paragraph 3.15 of the DP describes disposition of the residue from the sanitization activities on the fireset. Type the description displayed in the window arrangement. (72)

### Save Entries

- Select File/Add to transfer the information to the **Part Disposition Descriptions** window. (73)
- Select File/Close in the **Part Disposition Descriptions (Edit)** window. (74)



## Documents

- Activate the **Documents Selection List** window by clicking in the next step of the file arrangement. (75)

**NOTE:** This is a list of all documents in the database. Add the documents that have provided characterization data to this section. Fill in all information blocks. This input requires activity in several documents windows.

### Document Search

- Select Document ID Like/Document ID Like to display a text box. (76)

**CAUTION:** A document will not appear in the Document Identifier list until it is searched for the first time, even though it may be in the database.

- Type the Drawing Number (312834) from the ML. (77)
- Press the Return key or click the Go button in the window. (78)
- If the document is found, highlight the appropriate row and proceed directly to Step 101.
- If the document is not found, click OK. (79)

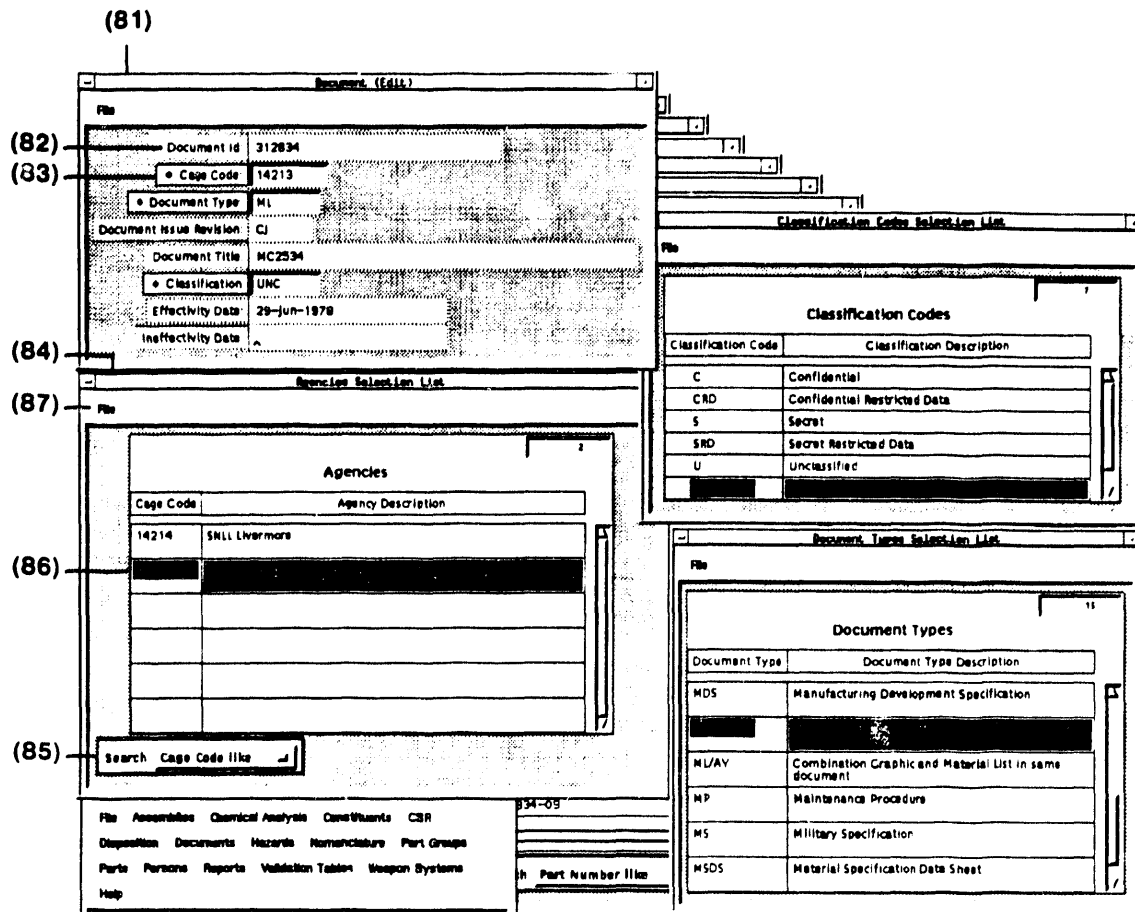
(80)

The screenshot shows a software interface with multiple overlapping windows. The 'Documents' window is the primary focus, displaying a search result message: 'No documents found with Document ID like: 312834%'. Below this message is an 'OK' button. The window also features a table with columns for 'Document Identifier', 'Cage Code', 'Document Type', 'Issue/Revision', and 'Document Title'. The table contains several rows of data, including '312834-02' through '312834-08', all with the title 'MC2534, FIRING SET'. A search bar at the bottom of the window shows the text '312834%'. To the left of the 'Documents' window, there is a 'Weapon' window with fields for 'Design Agency Cage Code' (14213), 'Production Agency Cage Code' (14061), and 'Characterization Status' (5). At the bottom of the interface is a 'Main Menu' with options like 'File', 'Assemblies', 'Chemical Analysis', 'Characteristics', 'CBR', 'Disposition', 'Documents', 'Hazards', 'Nomenclature', 'Part Group', 'Parts', 'Persons', 'Reports', 'Validation Tables', 'Weapon System', and 'Help'.

Document Identifier	Cage Code	Document Type	Issue/Revision	Document Title
312834-02				MC2534, FIRING SET
312834-03				MC2534, FIRING SET
312834-04				MC2534, FIRING SET
312834-05				MC2534, FIRING SET
312834-06				MC2534, FIRING SET
312834-07				MC2534, FIRING SET
312834-08				MC2534, FIRING SET

### Document Entry

- Select File/Edit in the **Documents Selection List** window to activate the **Document (Edit)** window. (80)



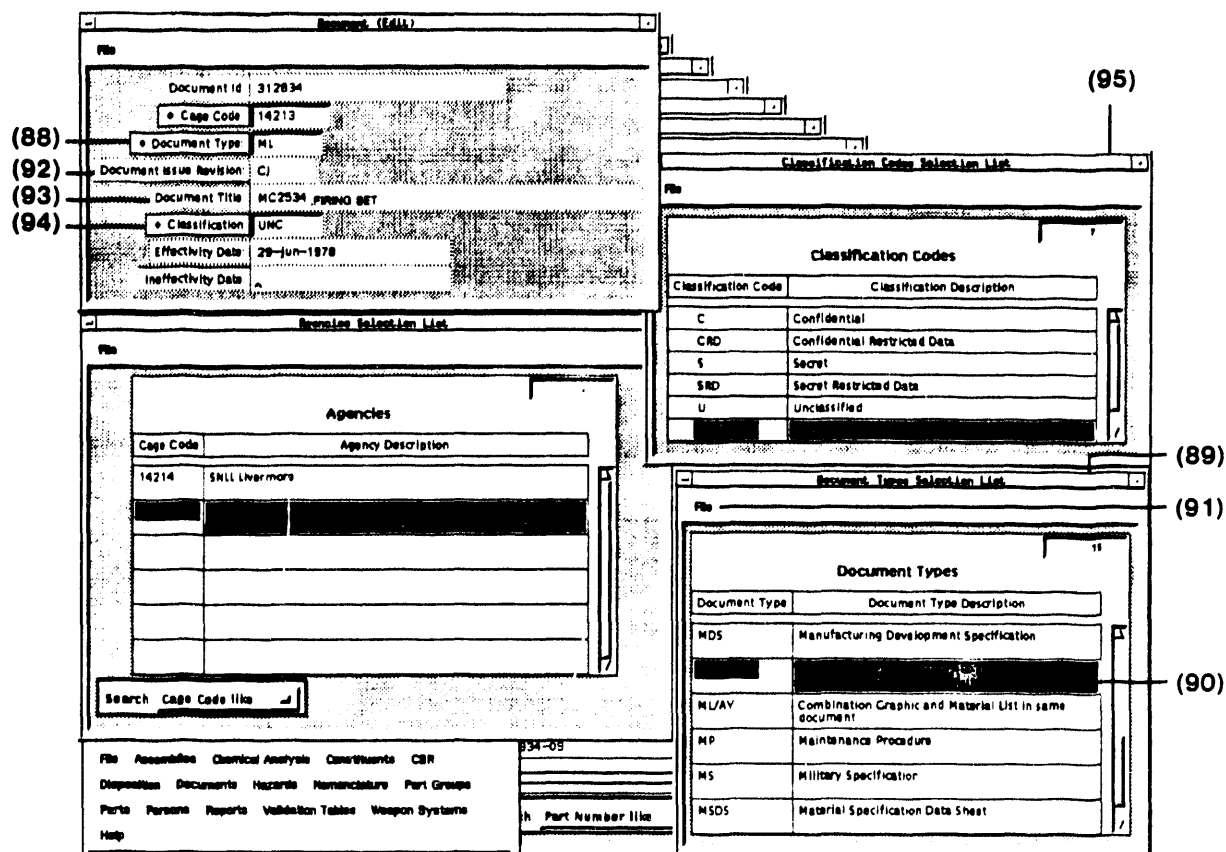
- Position the window in a convenient location to be easily accessed. (81)

#### Document ID

- Click in the Document ID text box in the **Document (Edit)** window. Type the Drawing Number (312834) from the ML. (82)

#### Cage Code

- Click on the diamond symbol in the Cage Code box to activate the **Agencies Selection List** window. (83)
- Position this window in a convenient location to be easily accessed. (84)
- Select Cage Code Like/Cage Code Like to display a text box. (85)
- Type the Design Agency Code Identification (14213) from the ML.
- Press the Return key or click the Go button in the window. A Cage Codes and Agency Descriptions list is displayed.
- Highlight the 14213 row to transfer the code number to the **Document (Edit)** window. (86)
- Select File/Close in the **Agencies Selection List** window. (87)



### Document Types

- Click the diamond symbol in Document Types box to activate the **Document Types Selection List** window. (88)
- Position this window in a convenient location to be easily accessed. (89)
- Use the scroll bar at the right side of the window to move through the list of document types.
- Highlight the ML row to transfer the information to the **Document (Edit)** window. (90)
- Select File/Close in the **Document Types Selection List** window. (91)

### Document Issue Revision

- Click in the Document Issue Revision text box in the **Document (Edit)** window. Type Issue (CJ) of the ML. (92)

### Document Title

- Click in the Document Title text box. Type the title (MC2534, FIRING SET) of the ML. (93)

### Classification

- Click the diamond symbol in Classification box to activate the **Classification Codes Selection List** window. (94)
- Position this window in a convenient location to be easily accessed. (95)

(99) (100)

**Document (Edit)**

Document id: 312834

Cage Code: 14213

Document Type: ML

Document Issue Revision: CJ

Document Title: HC2534

Classification: UNC

Effectivity Date: 28-Jun-1978

Ineffectivity Date:

**Classification Codes Selection List**

Classification Code	Classification Description
C	Confidential
CRD	Confidential Restricted Data
S	Secret
SRD	Secret Restricted Data
U	Unclassified

**Agencies Selection List**

Cage Code	Agency Description
14214	SNLL Livermore

**Document Types Selection List**

Document Type	Document Type Description
MDS	Manufacturing Development Specification
MJAY	Combination Graphic and Material List in same document
MP	Maintenance Procedure
MS	Military Specification
MSDS	Material Specification Data Sheet

File Assemblies Chemical Analysis Constituents CIR  
Disposition Documents Hazards Nomenclature Part Groups  
Parts Persons Reports Validation Tables Weapon Systems  
Help

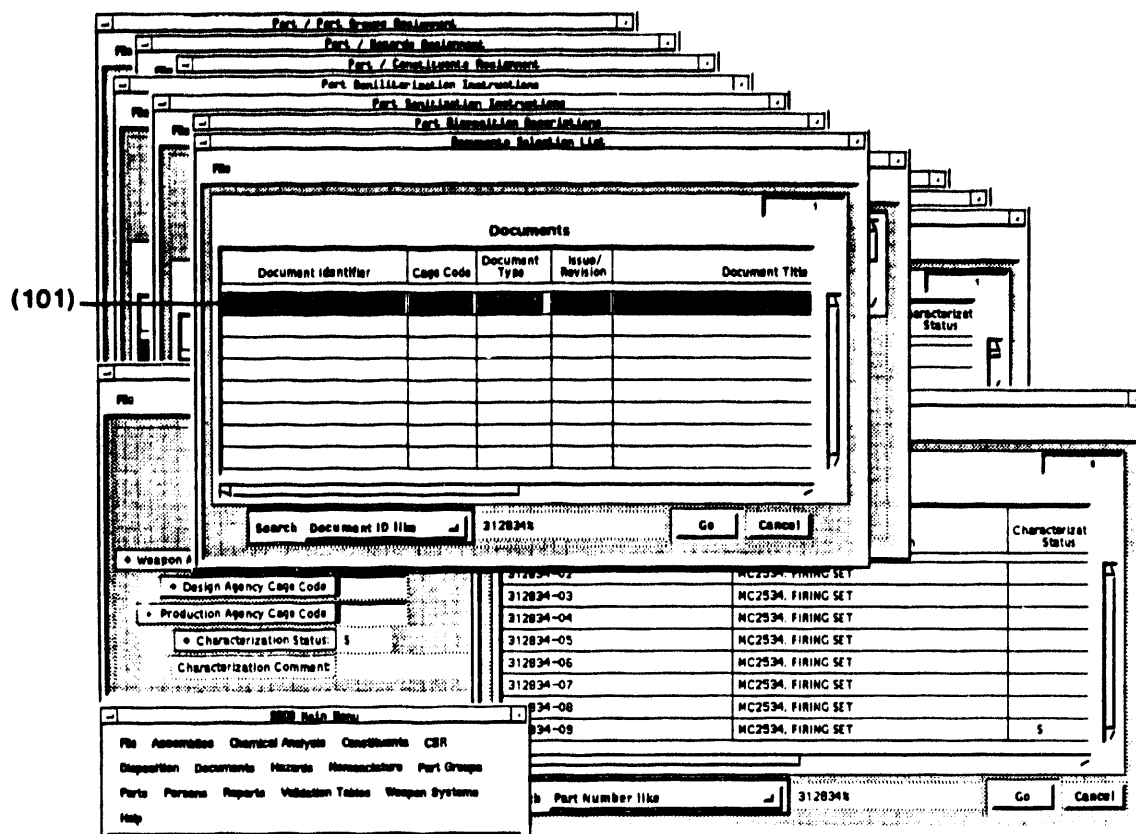
- Determine the document classification from information on the title block of the ML.
- Highlight the UNC row to transfer the information to the **Document (Edit)** window. (96)
- Select File/Close in the **Classification Codes List** window. (97)

#### *Effectivity Date*

- Click in the Effectivity Date text box. Type the Date (6-29-78 or 6/29/78) of the ML. (98)

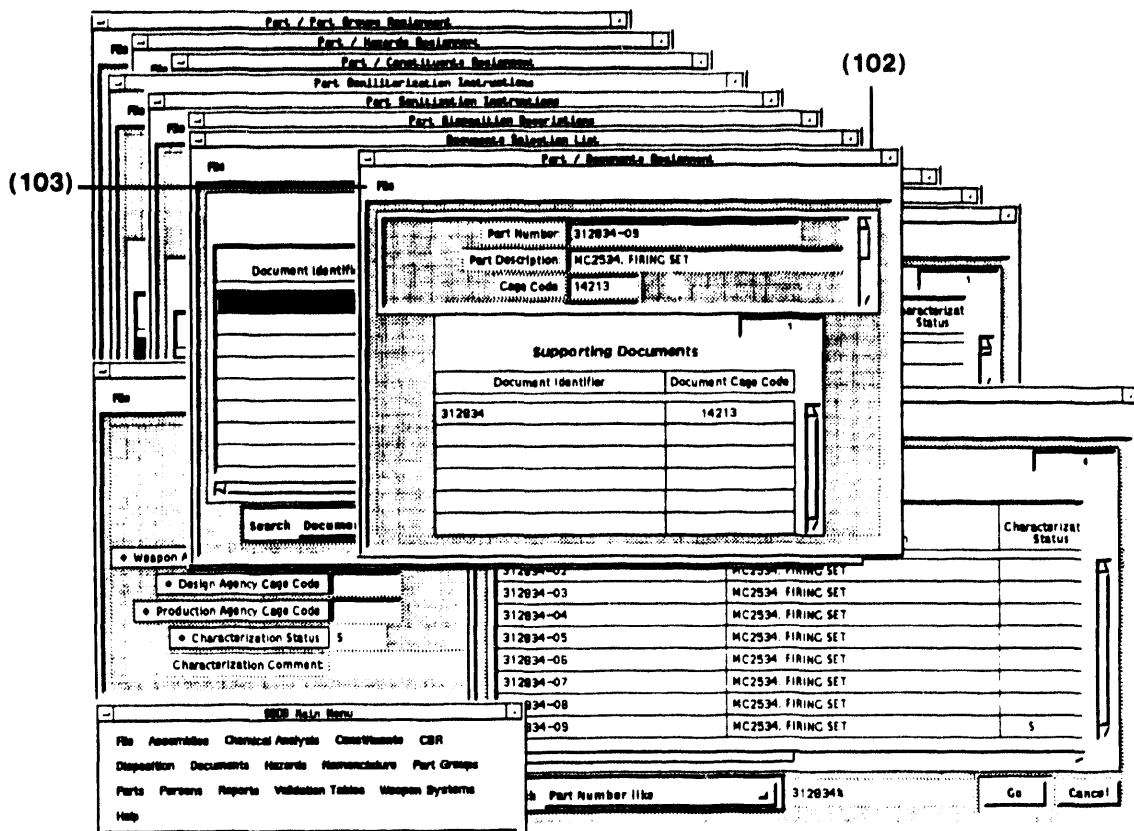
#### *Save Entries*

- Select File/Add in the **Document (Edit)** window to transfer the information to the Documents Selection List window. (99)
- Select File/Close in the **Document (Edit)** window. (100)



- Highlight the 312834 row in the Documents Selection List window. (101)





## Part/Documents Assignment

- Activate the **Part/Documents Assignment** window by clicking in the next step of the window arrangement. (102)
- Select File/Add to assign the document highlighted in the **Documents Selection List** window to the part being characterized. The document will be listed in the Supporting Documents list of the **Part/Documents Assignment** window. (103)

(104)

Part / Parts Group Requirement  
Part / Hazard Requirement  
Part / Configuration Requirement  
Part Identification Instructions  
Part Identification Instructions  
Part Identification Instructions  
Document Selection List  
Part / Document Requirement

Document Identifier

Part Number: 312834-03  
Part Description: MC2534, FIRING SET  
Cage Code: 14213

Supporting Documents

Document Identifier	Document Cage Code
312834	14213

Search Document

Weapon A

Design Agency Cage Code  
Production Agency Cage Code  
Characterization Status: S  
Characterization Comment

312834-02 MC2534, FIRING SET  
312834-03 MC2534, FIRING SET  
312834-04 MC2534, FIRING SET  
312834-05 MC2534, FIRING SET  
312834-06 MC2534, FIRING SET  
312834-07 MC2534, FIRING SET  
312834-08 MC2534, FIRING SET  
312834-09 MC2534, FIRING SET

Characterization Status

Characterization Status

312834-02 MC2534, FIRING SET  
312834-03 MC2534, FIRING SET  
312834-04 MC2534, FIRING SET  
312834-05 MC2534, FIRING SET  
312834-06 MC2534, FIRING SET  
312834-07 MC2534, FIRING SET  
312834-08 MC2534, FIRING SET  
312834-09 MC2534, FIRING SET

Part Number like 312834% Go Cancel

- Repeat Steps 76 through 79 for DP312834. (104)

(105)

Document (Edit)

Document ID: DP212834

Cage Code: 14213

Document Type: DP

Document Issue Revision: A

Document Title: DISASSEMBLY PROCEDURE HC2834

Classification: UMC

Effectivity Date: 02-Aug-1983

Classification Code Selection List

Classification Code	Classification Description
C	Confidential
CRO	Confidential Restricted Data
S	Secret
SRO	Secret Restricted Data
U	Unclassified

Agencies

Cage Code	Agency Description

Search Cage Code like 14213

Go Cancel

Document Type Selection List

Document Type	Document Type Description
DI	Design Layout
DN	Network Diagram
DR	Data Requirements
DS	Development Specification
EP	Engineering Procedure

File Assembly Chemical Analysis Characteristics CSR

Disposition Documents Hazards Identification Part Group

Parts Persons Reports Validation Tables Weapon System

Help

Search Part Number like

- Repeat Steps 80 through 100 with information from the DP. For step 90 remember to highlight the DP row rather than the ML row. (105)

(106)

Part / Part Group Definition  
Part / Source Definition  
Part / Configuration Definition  
Part Identification Instructions  
Part Identification Instructions  
Part Identification Instructions  
Part Identification Instructions  
Part Identification Instructions  
Part Identification Instructions

**Documents**

Document Identifier	Cage Code	Document Type	Issue/Revision	Document Title
312834	14213	MI	CJ	MC2834

Search Document ID like  Go Cancel

Weapon

Design Agency Cage Code: 14213  
Production Agency Cage Code: 14081  
Characterization Status: S  
Characterization Comment:

312831-0  
359570-0

312834-02 MC2834 FIRING SET  
312834-03 MC2834 FIRING SET  
312834-04 MC2834 FIRING SET  
312834-05 MC2834 FIRING SET  
312834-06 MC2834 FIRING SET  
312834-07 MC2834 FIRING SET  
312834-08 MC2834 FIRING SET

File Assembly Chemical Analysis Characteristics CBR  
Disposition Documents Hazards Nomenclature Part Group  
Parts Persons Reports Validation Tables Weapon System  
Help

Search Part Number like

- Repeat Step 101 to highlight DP312834. (106)

(107)

Part / Part Break Statement  
Part / Research Statement  
Part / Simulation Statement  
Part Simulation Instructions  
Part Simulation Instructions  
Part Simulation Instructions  
Document Selection List  
Part / Research Statement

Document Identifier  
312834

Search Document

Part Number 312834-09  
Part Description MC2534, FIRING SET  
Cage Code 14213

Supporting Documents

Document Identifier	Document Cage Code
312834	14213
DP312834	14213

Weapon

Design Agency Cage Code 14213  
Production Agency Cage Code 14081  
Characterization Status 5  
Characterization Comment

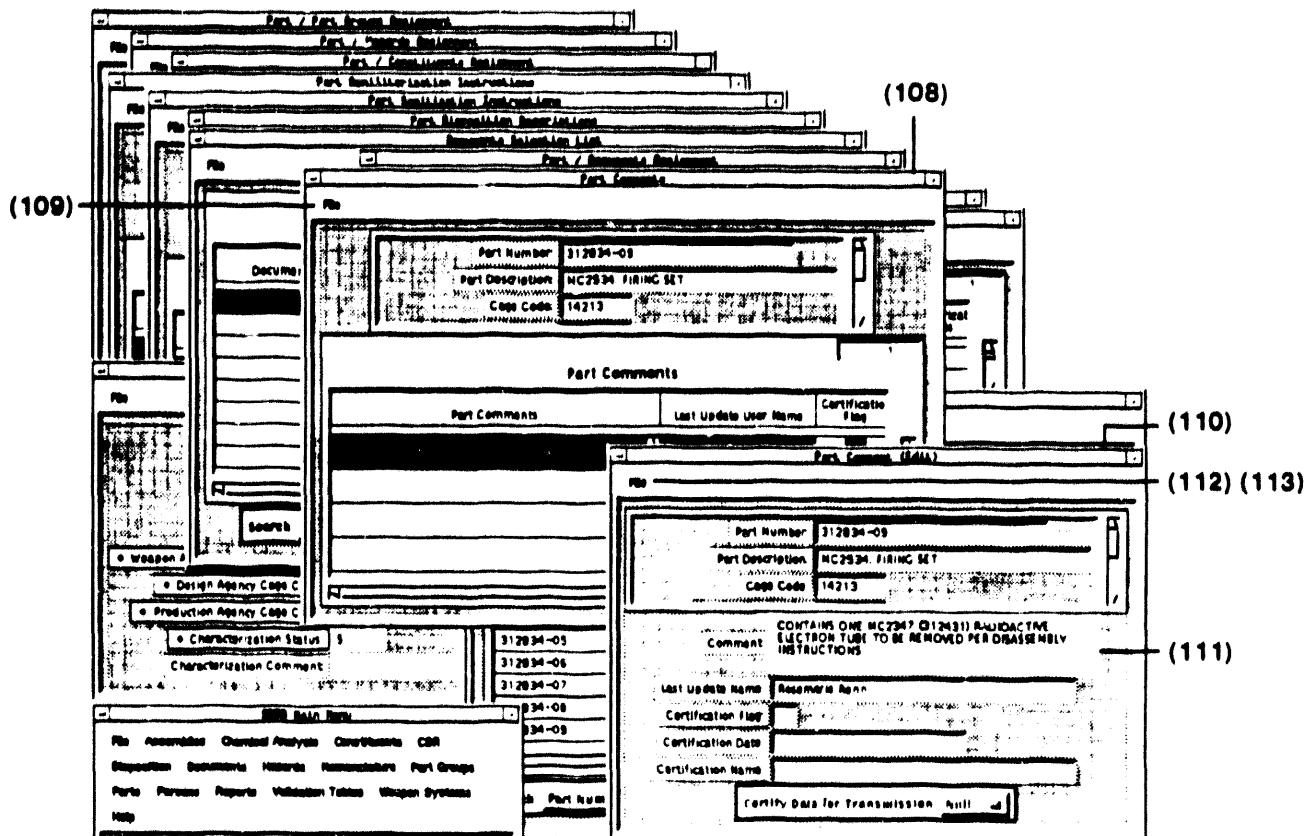
312431-0  
359570-0

Part Number	Part Description	Characterization Status
312834-02	MC2534, FIRING SET	
312834-03	MC2534, FIRING SET	
312834-04	MC2534, FIRING SET	
312834-05	MC2534, FIRING SET	
312834-06	MC2534, FIRING SET	
312834-07	MC2534, FIRING SET	
312834-08	MC2534, FIRING SET	

File Assemblies Chemical Analysis Characteristics CBR  
Disposition Documents Hazards Nomenclature Part Group  
Parts Persons Reports Validation Tables Weapon System  
Help

Search Part Number like

- Repeat Steps 102 and 103 to assign the DP as a supporting document of Part Number 312834-09. (107)



## Part Comments

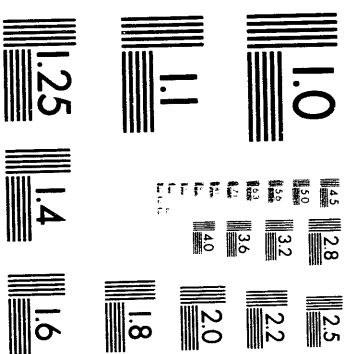
- Activate the **Part Comments** window by clicking in the next step of the window arrangement. (108)
- Select File/Edit to activate the **Part Comment (Edit)** window. (109)
- Position the window in a convenient location to be easily accessed. (110)

*Comment*

- Click in the **Comment** box. Type the comment displayed in the window arrangement. In this example, the **Part Comment** is used as an alert field. (111)

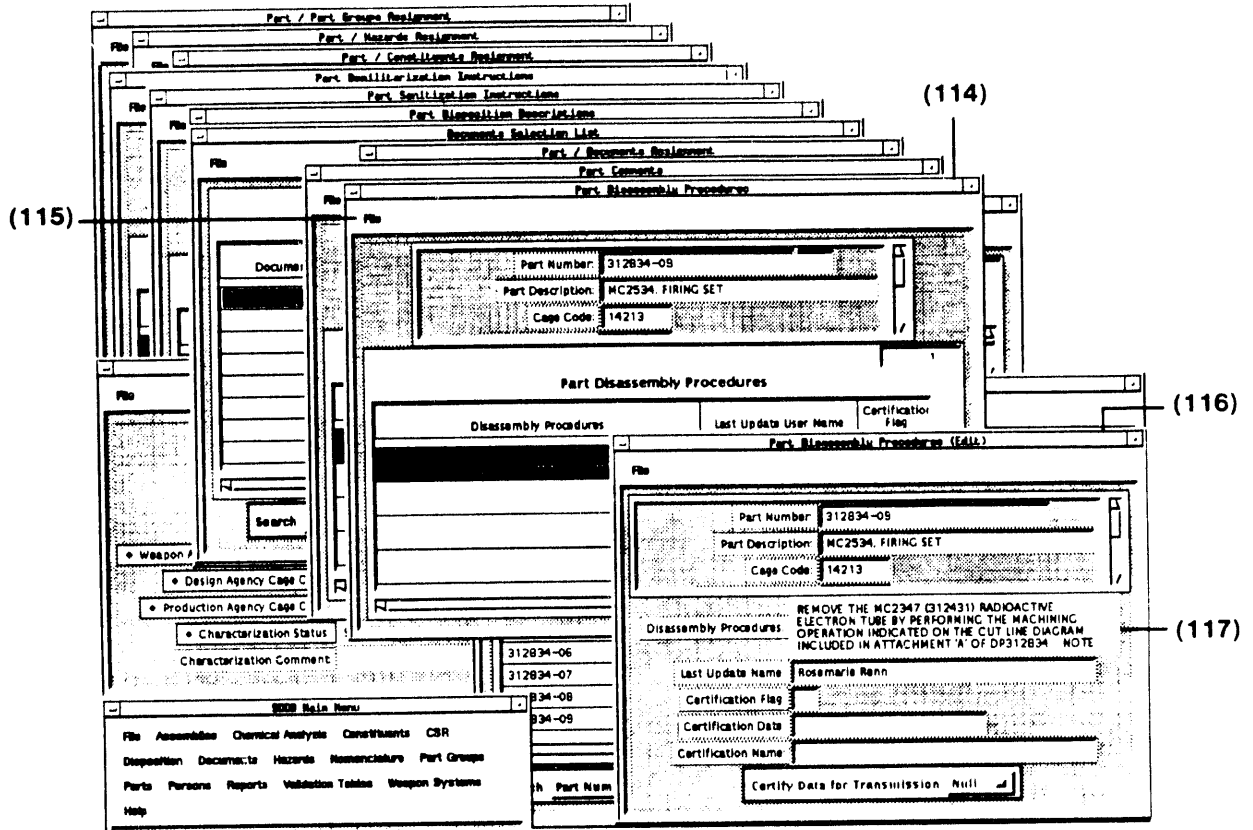
### Save Entries

- Select **File/Add** to transfer the information to the **Part Comments** window. (112)
- Select **File/Close** in the **Part Comment (Edit)** window. (113)



**3 of 4**





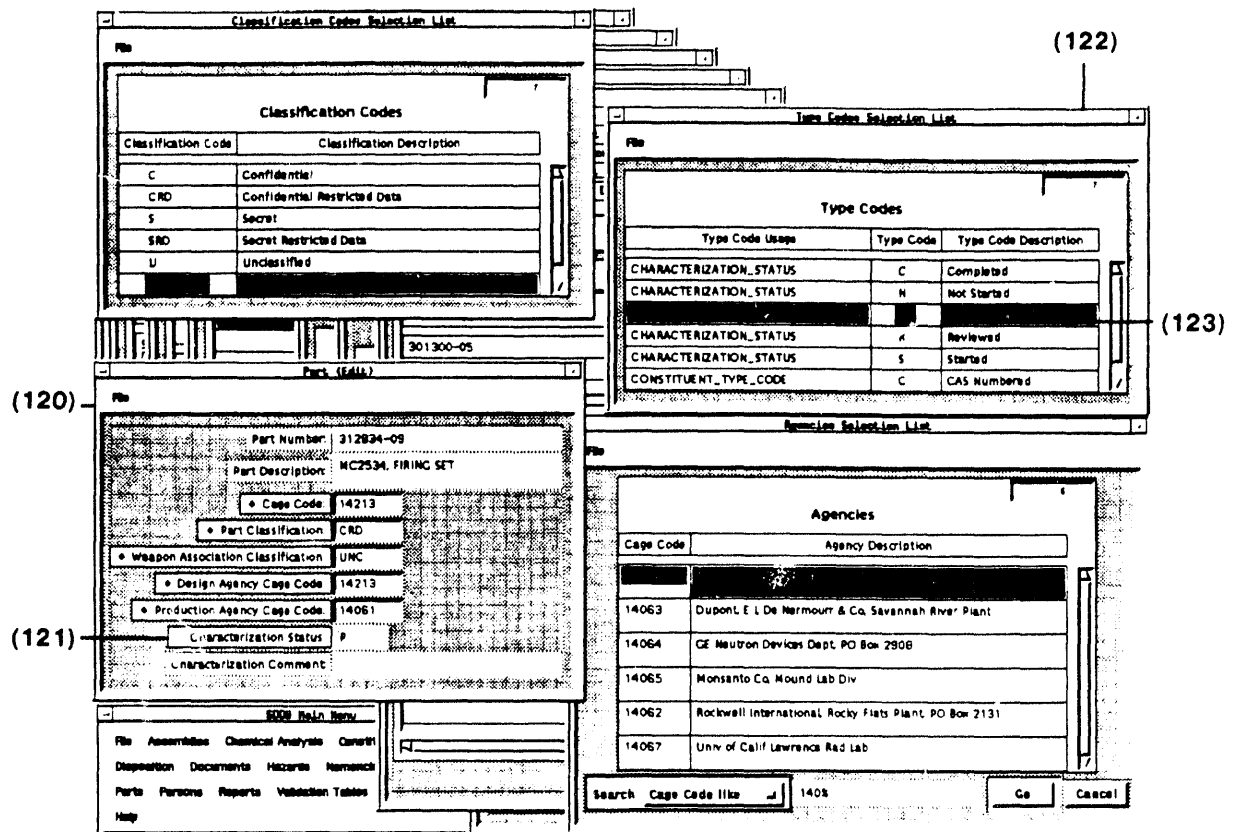
## Part Disassembly Procedures

- Activate the **Part Disassembly Procedures** window by clicking in the next step of the window arrangement. (114)
- Select File/Edit to activate the **Part Disassembly Procedures (Edit)** window. (115)
- Position the window in a convenient location to be easily accessed. (116)

### Disassembly Procedures

- Click in the Disassembly Procedures text box. Type procedures for disassembling the items identified in the Disposition Tree. Refer to information from the DP, as displayed in the window arrangements showing this step. (117)





## Part (Edit)

- Activate the **Part (Edit)** window by clicking on the outline of the window, located above the **SDDB Main Menu**. (120)

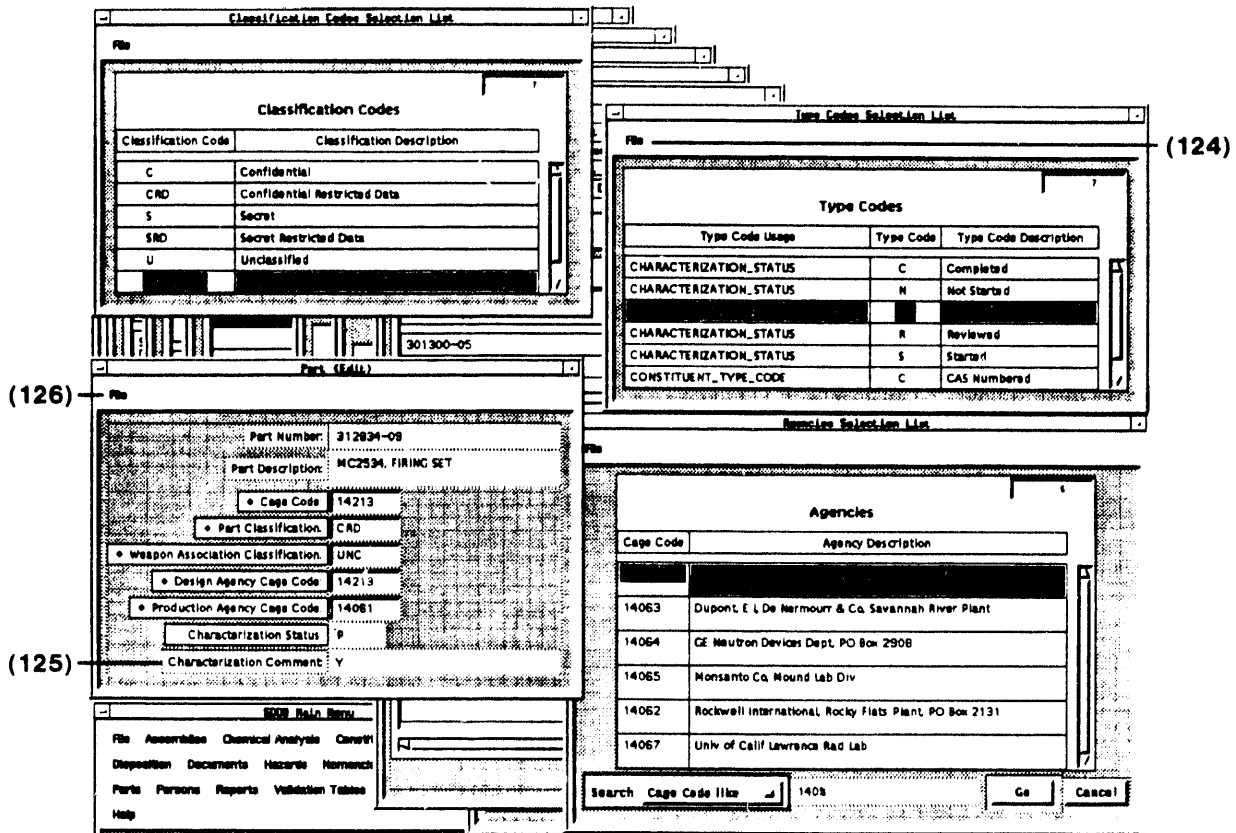
**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

*Part Number, Description, Cage Code, Part Classification, Weapon Association Classification, Design Agency Cage Code, Production Agency Cage Code*

- Verify information for these text boxes with the document package and modify as appropriate.
- Refer to Example 1 for Simple Parts if information is missing or if discrepancies are found.

## Characterization Status

- Click on the diamond symbol in the Characterization Status box to activate the **Type Codes Selection List** window. (121)
- Position this window in a convenient location to be easily accessed. (122)
- Highlight the row labeled P. This code indicates that the characterization is partially complete. It also indicates that the characterization is ready for review and internal QA/QC. (123)



- Select File/Close in the **Type Codes Selection List** window. (124)

#### *Characterization Comment*

- Click in the Characterization Comment text box. (125)
- Type Y because the part needs to be returned from DoD custody to the DOE production agency for disposition.

#### *Save Entries*

- Select File/Modify to transfer the information to the Part Selection List window. (126)

**(77) (82) (86)**

FOR EXPLANATION OF CODES SEE END OF CALLOUTS SECTION.

WARREN, J.D. 557/YEAROUT, D.A. 2312/LIPPERT, R.L. 846 00100  
782450X C 00101  
1. CHANGED LINE 90111 AND 90065. 00102

DATE \_\_\_\_\_

722467DX	B ISSUE BU, ADDED -110/-07.	6-23-72
72A491DX	B ISSUE ME, ADDED -111/-08.	7-31-72
731451DX	B ISSUE OV, ADDED -112/-09.	8-2-73

00401  
00902  
J0903

1. /PENTAGON M/ABSENCE OF A SUFFIX AFTER A DRAWING NUMBER IN THE PRODUCTION AGENCY COLUMN INDICATES THE DRAWING HAS NOT BEEN RELEASED AT BENDIA.

A. HIGHEST PART NUMBER USED SO FAR, 312934-112.

3. NOT APPLICABLE FOR NEW PRODUCTION.

4. NOTED DRAWING NOT FOR FABRICATION OR ACCEPTANCE PURPOSES. DISTRIBUTION TO THE CONTRACTOR WILL BE AT THE DISCRETION OF THE DESIGN AGENCY.

LINE CODE	UNIT OF MEASURE	PRODUCTION AGENCY NUMBER /PENTAGON MV	CAGE IDENT	DESIGN AGENCY PART NUMBER	PART CLASS	Line NO
-111-	-111-	312834-111	(3)	312834-08	E	2600
-112-	-112-	312834-112	(3)	312834-09	E	2600
-113-	-113-			PART OR CONTROL NO		
-114-	-114-			DESCRIPTION		

## SUPPORT DOCUMENTS

NA	NA	AY312834-003	AY312834-003	GRAPHIC, MC2534
NA	NA	AL312834-007	AL312834-007	ELECTRICAL PARTS LIST, MC2534
	NA	CK312834-006	CK312834-006	SCHEMATIC, MC2534
NA		CK312834-007	CK312834-007	SCHEMATIC, MC2534
NA	NA	WD312834-006	WD312834-006	WIRING DIAGRAM, MC2534
NA	NA	SS196779-000	SS196779-000	QUALITY CONTROL REQUIREMENTS FOR ELECTRONIC COMPONENTS

0X-----PRINTED 06/29/78-----J-4-C-L-A-S-S-I-F-I-E-D-----UNKNOWN NUMBER--J12834 ISSUE--CJ

PRINTED 06/29/78										J-N-C-L-A-S-S-I-F-I-E-D										DRAWING NUMBER--J12834										ISSUE--CJ																																							
ML CODE										UNIT OF MEASURE										PRODUCTION AGENCY										CODE										DESIGN AGENCY										PART CLASS										T LINE									
-QTY- -QTY- -QTY- -QTY- -QTY- -QTY-										-112 -111 -110 -109 -108 -107-										/PENTAGON W/										IDENT										PART OR CONTROL NO										DESCRIPTION										I E NO									
										NA NA										9927006-00										9927C06-00										ENCAPSULATION, GLASS MICROSPHERE-FILLED EPOXY, AUTOMATIC METERING										02900 RT061																			
										ALT ALT										9927005-03										9927C05-00										(48) ENCAPSULATION, GLASS MICROSPHERE-FILLED EPOXY /ALTERNATE FOR 9927006/										02990 RT061 RT062																			
										ALT ALT										9927006-01										9927C06-01										ENCAPSULATION, GLASS MICROBALLOON FILLED EPOXY, AUTOMATIC METERING /ALTERNATE FOR 9927006/										03000 RT061 RT062																			
										ALT ALT										9927003-01										9927003-01										ENCAPSULATION, GLASS MICROBALLOON FILLED EPOXY /ALTERNATE FOR 9927006/										03100 RT061 RT062																			
										NA NA										SS306378-000										SS306378-000										CLEANING AND HANDLING, FIRESETS										03200 RT061																			
										NA NA										1324123																				FIRESET HIGH VOLTAGE CABLE CERTIFICATION/RE-CERTIFICATION REQUIREMENTS										03250 RT062 RT063 RT064																			
										EM EM										4115970-32										4115970-02										ADHESIVE-SEALER, SILICONE ELASTOMER, RTV										03300 RT061																			
																																								INTERFACE DRAWINGS THESE DRAWINGS ARE FOR DESIGN AGENCY USE ONLY										23061 RT062 RT063 RT064 RT065																			
										NA NA																				00312834-038										MC2534 COMPATIBILITY REFERENCE DOCUMENTS MECHANICAL COMPATIBILITY, MC2534 SB27d259 ELECTRICAL COMPATIBILITY, MC2534 SB27d260 PHYSICAL ENVIRONMENT, MC2534 SB28d293 /SEE NOTE 4/										23100 RT061 RT062 RT063 RT064 RT065 RT066 RT067 RT068 RT069																			
										NA NA																				00312834-000										DESIGN LAYOUT, MC2534										23200																			
																																								PARTS AND MATERIAL										30031 RT045 RT046																			

DA-----PRINTED 06/24/78-----UNCLASIFIED-----DRAWING NUMBER---312834-----ISSUE---CJ									
CODE IDENT---14213---SHEET---03 OF 05									
ML CODE	UNIT OF MEASURE		PRODUCTION AGENCY		CODE	DESIGN AGENCY	DESCRIPTION	PART CLASS	T LINE
1	-112	-111	NUMBER	PENTAGON M	IDENT	PART OR CONTROL NO		I E	NU
-QTY-	-QTY-	-QTY-	-QTY-	-QTY-	-QTY-			-M-	
	1	1	275321-103		275321-00		BRACKET	N 2	30200
	ALT	ALT	275321-102		275321-00		BRACKET ALTERNATE FOR ITEM 2		30200 RT005
	1	1	1444007-1		08516 421679-00		COVER, TERMINAL BLOCK	N 5	30300
	1	1	279447-101		279447-00		PLATE, TEST DATA	17	30400
	2	2	071879-00		071879-00		SCREW, SELF-LOCKING 6-32 X .250 LG.	N 9	30500 RT001
	IALT	IALT	076306-00		076306-00		SCREW, SELF-LOCKING 6-32UNC-2A X .312 LG. /IALT FOR 077341-00/	N 10	30600 RT001 RT006
	4	4	077341-00		077341-00		SCREW, SELF-LOCKING 6-32 UNC-2A X .312 LG.		30610 RT005
	1	1	421677-101		08516 421677-00		SCREW, COVER 6-32NC X 3/8 LG.	N 13	30600 RT001
	0	0	NA3020C6L		08044 NA5620C6L		WASHER, FLAT .143 I.D. X .267 O.D.	N 15	31000 RT001
		1	275396-112		275396-C9		ELECTRONIC COMPONENTS ASSY	10	31125
	1		275396-113		275396-10		ELECTRONIC COMPONENTS ASSY	10	31130
	1	1	039400-00		039400-00		INSERT, SCREW THREAD 4-4UNC X .344 LG.	21	31200 RT005
	2	2	070346-00		070346-00		INSERT, SCREW THREAD 6-32 X .344 LG.	18	31300 RT005
	EM	EM	5040400-01		5040400-01		LACQUER, AEROSOL SPRAY	19	31400
	-	-					ACCEPTANCE EQUIPMENT		90002 RT005 RT006
	NA	NA	PS312834-000		PS312834-000		PRODUCT ACCEPTANCE SPECIFICATION. MC2534		90013 RT001
	NA	NA	DR312834-003		DR312834-003		DATA REQUIREMENTS FOR THE MC2534		90020
	AR	AR	DF312834-002		DF312834-002		DATA TRANSMITTAL FORM REFERENCE DOCUMENTS DF20371 FIRING RECORD AND CAPACITANCE		90030 RT005 RT006 RT007

DA-----PRINTED 06/24/78-----UNCLASIFIED-----DRAWING NUMBER---312834-----ISSUE---CJ

DA-----PRINTED 06/24/78-----U-N-C-L-A-S-S-I-F-I-E-D-----DRAWING NUMBER---J12934-----ISSUE---CJ									
-----CODE IDENT---14213---SHEET---04 OF 35-----									
CODE	UNIT OF MEASURE		PRODUCTION AGENCY		CODE	DESIGN AGENCY		DESCRIPTION	PART CLASS
1	-112	-111	NUMBER	IDENT	IDENT	PART OR CONTROL NO			I
-QTY-	-QTY-	-QTY-	/PENTAGON M						-M-
								UF203372 SERIAL NO. A.W LOT SUMMARY	RT000
			AR	AM	DF1521589-1			JATA FURN,MC2371 ACTUATION TEST	90035 RT003
			AR	AR	RF312034-006	RF312034-006		RECORD OF ASSEMBLY/DISASSEMBLY	90042
			AR	AR	DF1521137-1			DATA FURN,RECORD OF FIRINGS /SHEET 1 ONLY/	90045 RT005 RT006
			NA	NA	AS205406-00J	AS205406-000		REPROCESSING SPECIFICATION,MC2534 /SEE NOTE 3/	90053 RT005
			NA	NA	S0278020-012	S0278020-012		SUPPLEMENTAL REQUIREMENTS,MC2534	90063
			NA	NA	SS247268-000	SS247268-000		REQUIREMENTS AND USAGE,U7608	90074
			NA	NA	SS247806-000	SS247806-000		MONITORING,FIRING SET OUTPUT PULSE	90076
			NA	NA	9958000-03	9958000-03		INSTRUMENTATION AND EQUIPMENT, TEMPERATURE TEST	90081 RT001
			NA	NA	9958001-03	9958001-03		INSTRUMENTATION AND EQUIPMENT, STEADY-STATE ACCELERATION TEST	90082 RT001
			NA	NA	9958002-03	9958002-03		INSTRUMENTATION AND EQUIPMENT, SINUSOIDAL VIBRATION TEST	90083 RT001
			NA	NA	9958003-04	9958003-04		INSTRUMENTATION AND EQUIPMENT, MECHANICAL SHOCK TEST	90084 RT001
			NA	NA	9958004-02	9958004-02		INSTRUMENTATION AND EQUIPMENT, COMPLEX-VIBRATION TEST	90085 RT001
			-	-				CONTINUITY AND HI-POT TEST	90101 RT005 RT006
			AR	AA	291702-000	291702-000		ACCEPTANCE EQUIPMENT SYSTEM,PT2200/ MC2534	90111 RT001
			AR	AM	280025-006	280025-006		ACCEPTANCE EQUIPMENT SYSTEM,MC2534 /312034/ /PT1349/	90002 RT001 RT005
			-	-				FUNCTIONAL TEST	91001 RT005 RT006

DA-----PRINTED 06/24/78-----U-N-C-L-A-S-S-I-F-I-E-D-----DRAWING NUMBER---J12034-----ISSUE---CJ



9A-----PRINTED 06/29/78-----U-N-C-L-A-S-S-I-F-I-E-D-----DRAWING NUMBER---312834-----ISSUE---CJ									
-----CODE IDENT---14213---SHEET---05 OF 05-----									
ML CODE	UNIT OF MEASURE		PRODUCTION AGENCY		CODE	DESIGN AGENCY	DESCRIPTION	PART CLASS	LINE
I	-112	-111	I	NUMBER	IDENT	PART OR CONTROL NO		I	NO
I	-QTY-	-QTY-	-QTY-	/PENTAGON A/				E	
	AR	AR		280579-021		280579-021	ACCEPTANCE EQUIPMENT SYSTEM, PT1404A/MC2534	-M-	91011 RT001
	-	-					ESD OPERATION		94001 RT001 RT000
	AR	AR		280009-002		280009-002	ACCEPTANCE EQUIPMENT SYSTEM, TE3201, MC2534/312834/		94010 RT001
	AR	AR		0F1521509-1			DATA FURN		94020 RT001
	-	-					ENVIRONMENTAL MONITOR		93001 RT001 RT000
	AR	AR		280019-005		280019-005	ACCEPTANCE EQUIPMENT SYSTEM, MC2534 /PT1503/		93055 RT001
	-	-					MECHANICAL COMPATIBILITY		94001 RT001 RT000
	AR	AR		277229-000		277229-000	ACCEPTANCE EQUIPMENT SYSTEM, MC2534 /G0J93/		94010 RT001

-----END OF CALLOUT SECTION-----

EXPLANATION OF CODES.  
 QUANTITY CODE/S--- AK-AS REQUIRED ARS-AS REQUIRED PER ASSY NA-DOCUMENTS PM-PROCESS MATERIEL EM-EXPENSE MATERIEL ALT-ALTERNATE ITEM  
 UNIT OF MEASURE CODE/S--- IN-INCHES LB-POUNDS OZ-OUNCES AVOIRDUPOIS TZ-OUNCES TRUY G-GRAMS FT-FEET PC-PER CENT  
 M-METRE MM-MILLIMETRE KG-KILOGRAM  
 PART CLASSIFICATION CODES UNCLASSIFIED---N  
 SECRET-----F RESTRICTED DATA J-FORMERLY RESTRICTED DATA S-NATIONAL SECURITY INFORMATION  
 CONFIDENTIAL---E RESTRICTED DATA H-FORMERLY RESTRICTED DATA C-NATIONAL SECURITY INFORMATION

8/2/93 — (98)  
CAGE CODE: 14213 — (86)  
E. Graff, 5115

(77) (82) — DP312834  
(92) — Issue A  
Page 1

DISASSEMBLY PROCEDURE, MC2534 — (93)

Page	1	2	3	4	5	6
Issue	A	A	A	A	A	A

DESIGN AGENCY CONTROL NUMBER	ISSUE	RELEASE/CHANGE NO.	DATE
DP312834-000	A	IER 930976SA	7/93

1. GENERAL

1.1 Scope. This disassembly procedure provides instructions for processing the MC2534 firing set for disposition. Waste minimization opportunities and sanitization requirements are addressed.

1.2 Definitions.

a. Toxicity Characteristic Leaching Procedure (TCLP)—A Resource Conservation and Recovery Act (RCRA) defined test procedure used to determine whether leachable quantities of lead, barium, silver, arsenic, selenium, cadmium, chromium, and mercury above a preset concentration are present in a representative material sample.

b. Stockpile Dismantlement Data Base (SDDB)—The Sandia developed data base that stores the characterization data for disposition of components and hardware from weapon systems being dismantled throughout the Nuclear Weapon Complex.

1.3 Intent. The intent of this procedure is to provide information about personnel hazards in the MC2534 that must be removed prior to disposition. In addition, opportunities for waste reduction are identified, such as parts that may be removed from the component for reuse, recycling or recovery of precious materials. Sanitization requirements are also included.

2. Documents.

The following documents form a part of this instruction to the extent specified herein.

312834	MC2534, Firing Set
AY312834	Graphic, MC2534

(117)

3. Instructions.

3.1 Remove cables.

(39)

3.2 Perform the machining operations indicated on the Cut Line Diagram included in Attachment A.

3.3 The MC2347 tube is located approximately 1/16 inch from the MC2371 Inertial Switch S2 between the first two printed circuit (PC) boards (from the top or flat surface) of the firing set.

3.4 The tube is encased in a soft "rubber" jacket and lies parallel to the PC boards and is soldered to the top (toward the flat surface) of the second PC board.

3.5 Separate the potting & first PC board (from the flat surface) from the cutout section using a hammer and chisel.

3.6 Separate the potting from the bottom of the second PC board.

3.7 Separate the MC2371 Inertial Switch S2 from the cutout section using a hammer and chisel. Do not chisel or pry in the area between the first two PC boards. Work from the outside edge of the

firing set and remove potting until the switch is loose. Use screwdrivers and wire cutters as needed to remove hardware and wires as the potting is removed.

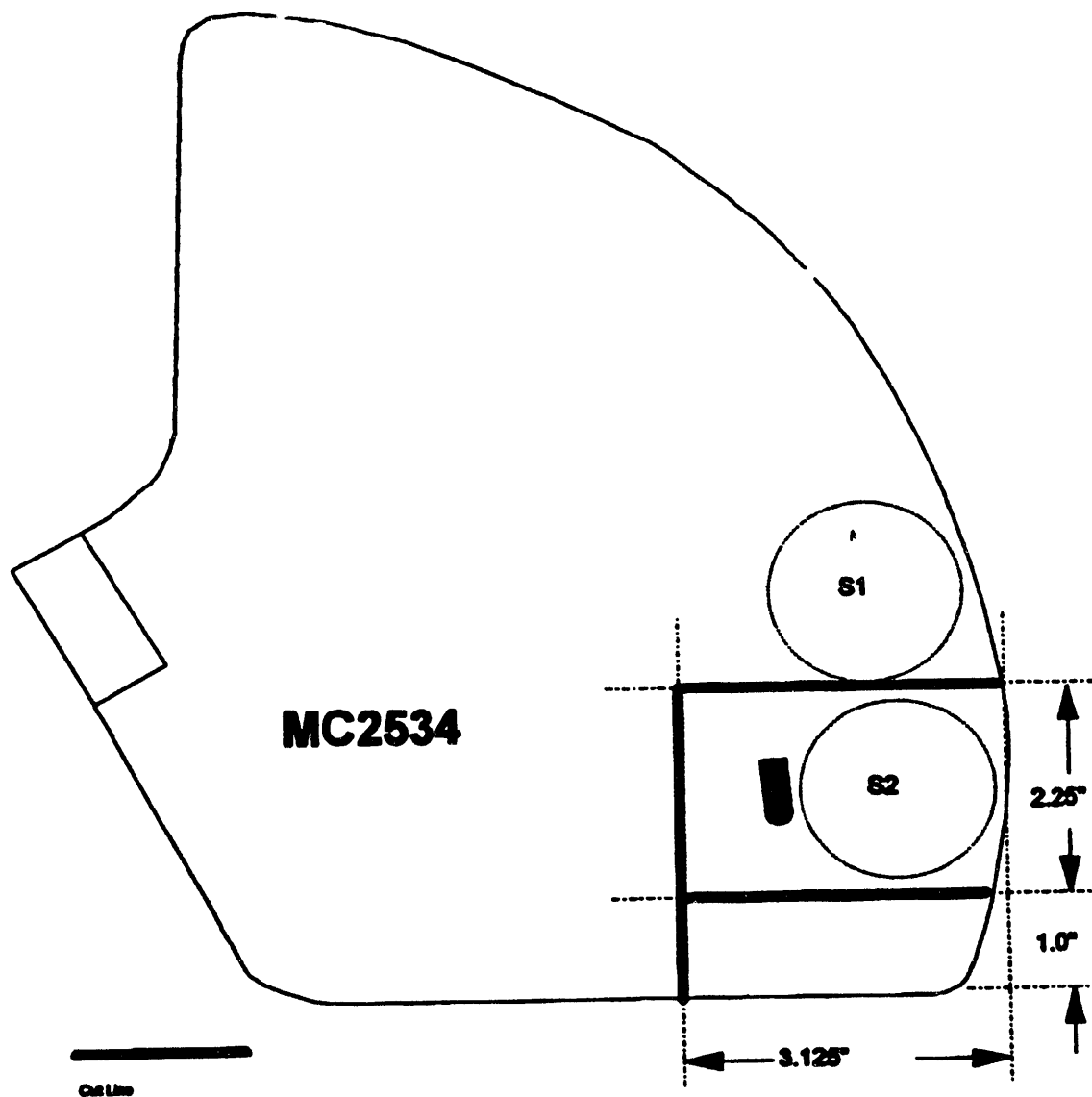
- 3.8 Carefully chip away the potting from the remaining portion of the cutout section to expose the tube. Work from the outside edges toward the surface that was adjacent to the MC2371 Inertial Switch. A hammer and chisel can be used to remove larger pieces of potting, followed by diagonal cutting pliers as the potted section becomes smaller. Do not pry on the tube to remove it. Remove potting from around the tube until it is loose and can be removed by cutting the four leads. Attachment C is provided as a means of documenting radioactive tube removal before completing processing of the firing set.
- 3.9 If a metals recovery facility is available for reprocessing components, the MC2371 switches may be removed and recycled. If recycling is not feasible, then the MC2371 switches may be processed with the rest of the firing set since they fail TCLP for lead and cadmium.
- 3.10 If recycling is feasible, remove the second MC2371 Inertial Switch S1 from the firing set using a hammer & chisel and screwdrivers as required.
- 3.11 The MC2371 Inertial Switches (S1 and S2) can be recycled through a metals recovery facility.
- (117) 3.12 The MC2347 tube must be disposed of as low level radioactive waste.
- └ 3.13 If the MC2347 tube is left in the cutout section with the PC boards, it must be disposed of as mixed waste (radioactive and lead)
- (66) - 3.14 The remaining section of the firing set containing the high voltage circuitry must be sanitized by shredding, crushing, etc., to meet the requirements of Attachment B.
- (72) - 3.15 The residue from the sanitization activities (including the MC2371 switches if they are not removed) must be disposed of as hazardous waste if the disposition method is landfill. The residue fails TCLP for lead and cadmium. Complete TCLP results are documented in the SDDB.

CAGE CODE: 14213  
E. Graff, 5115

DP312834  
Issue A  
Page 4

(39) (117)

**ATTACHMENT A**  
**PERSONNEL HAZARD LOCATION AND CUTLINE DIAGRAM**



**DP312834**  
**Issue A**  
**Page 5**

## ATTACHMENT B

### WEAPON COMPONENT SANITIZATION DATA SHEET

**DP312834**  
**Issue A**  
**Page 6**

[illegible]

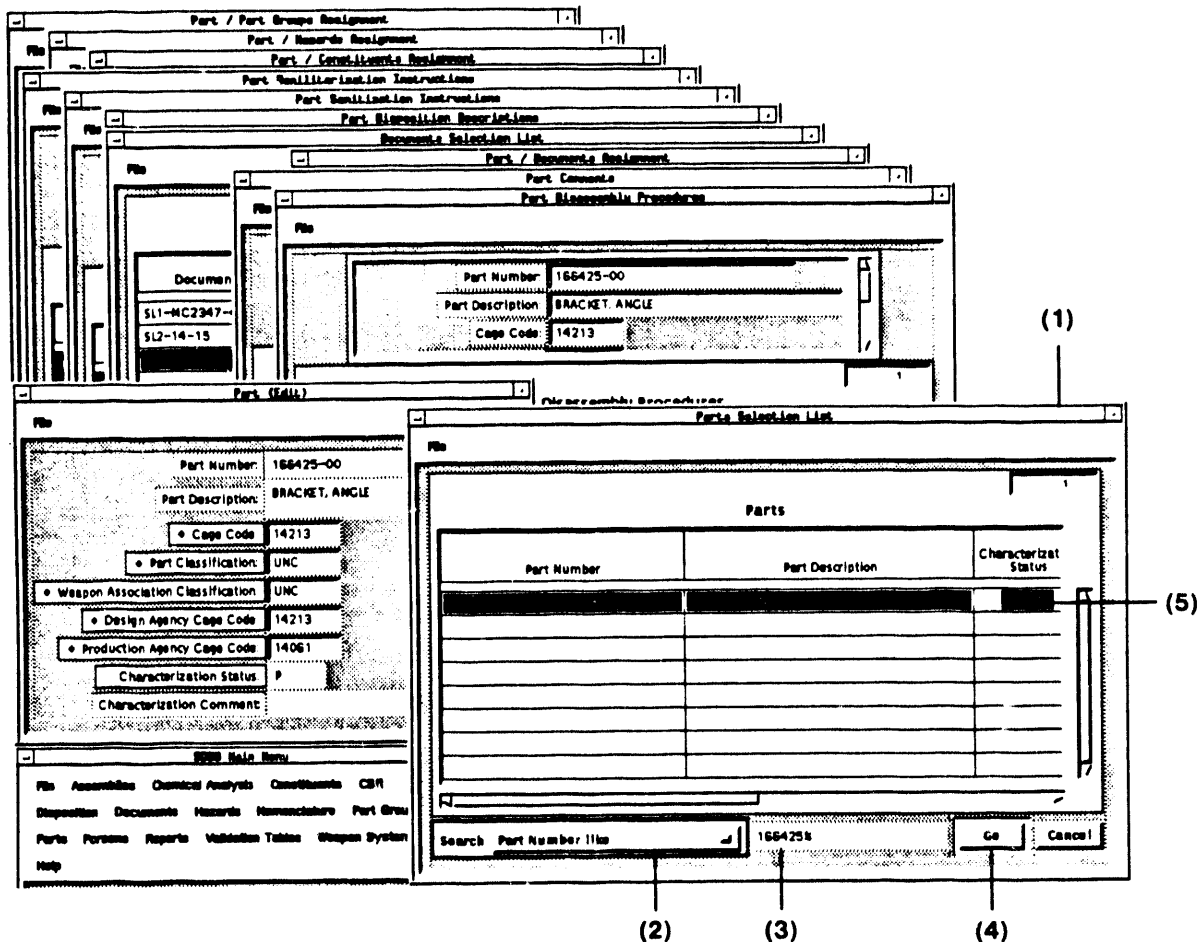
## Procedures for Internal QA/QC

Internal QA/QC is the review process that is performed following Component Characterization for Disposition data entry in the Stockpile Dismantlement Database. All of the data entry fields are reviewed and verified before performing the external QA/AC process.

This is a procedure to verify information. Refer discrepancies, if any, to the data entry team for review or correction when all information has been verified. Refer to the Log-in Procedure in the General Section to log in, and to set up the window arrangement from the **SDDB Main Menu**.

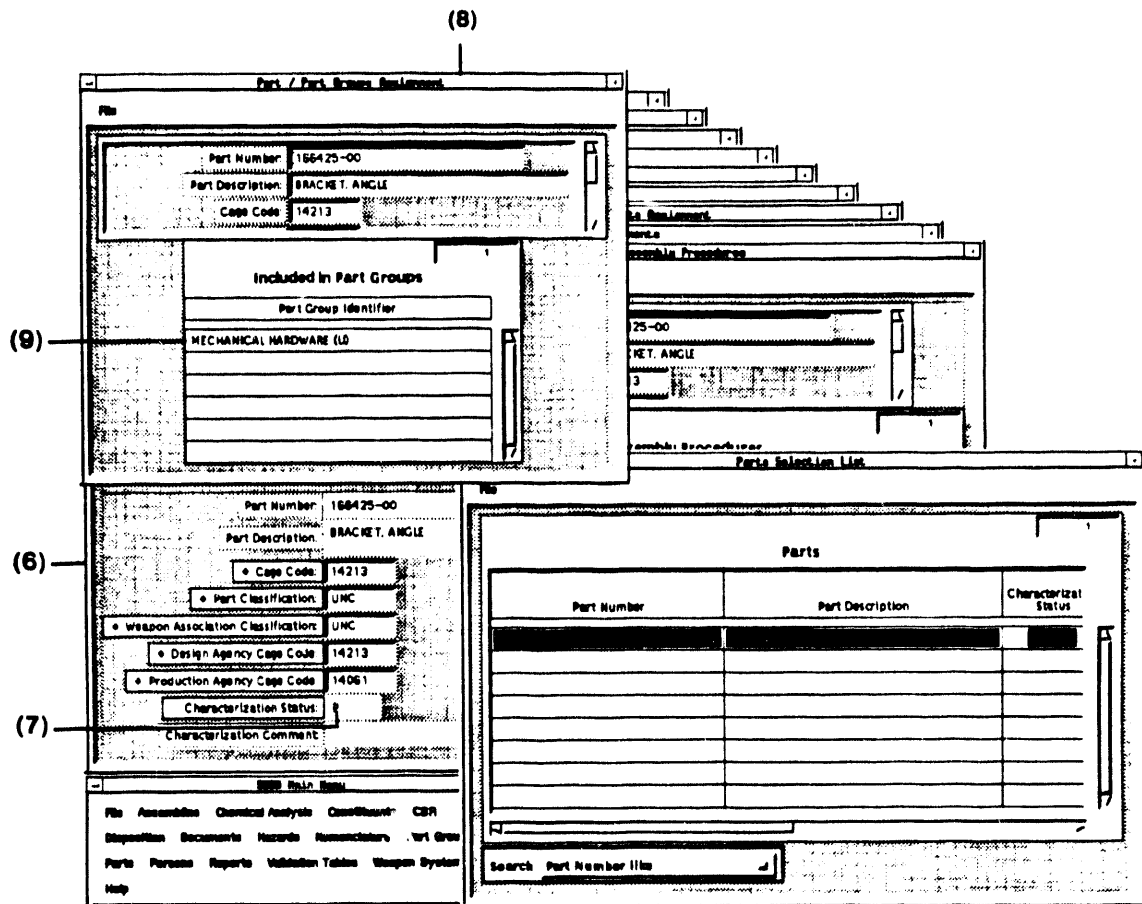
The top bar of the active window is a different color or shade from the inactive windows.
---





## Parts Selection List

- Activate the **Parts Selection List** window by clicking on the top bar of the window located at the lower right side of the screen. (1)
- Select Part Number Like/Part Number Like at the bottom of the window to display a text box. (2)
- Type the part number to be verified as shown in the documentation. (3)
- Press the Return key or click the Go button in the window. A parts list is displayed. (4)
- Use the scroll bar on the right side of the window to move through the list.
- Highlight the appropriate row for the Part Number/Suffix to be reviewed. (5)



## Part (Edit)

- Activate the **Part (Edit)** window by clicking on the outline of the window located above the **SDDB Main Menu**. (6)

### Characterization Status

- Verify P or R in this box showing that the part has been entered/reviewed and that data entry is complete. If any letter other than P or R is present, do not continue with the Internal QA/QC Procedure. (7)
- Verify all information in this window according to the document package.
- Note discrepancies for the data entry team.

## Part/Part Groups Assignment

- Activate the **Part/Part Groups Assignment** window by clicking in the first step of the window arrangement. (8)
- Verify the Part Group Identifier according to the Demilitarization and Sanitization for Disposition (DSD) General Guidance Manual and the document package. Instructions are given in other windows (**Part Hazards List**, **Part Demilitarization**, and **Part Sanitization**) based on this Part Groups Identifier. (9)

(10)

Part / Part Group Assignment  
Part / Hazards Assignment

Part Number: 166425-00  
Part Description: BRACKET, ANGLE  
Cage Code: 14213

Assigned Hazards

Hazard Code	Derived Flag	Location Number

Part Classification: UNC  
Weapon Association Classification: UNC  
Design Agency Cage Code: 14213  
Production Agency Cage Code: 14061  
Characterization Status: P  
Characterization Comment:

Parts Selection List

Part Number	Part Description	Characterization Status

Search: Part Number like

## Part/Hazards Assignment

Information for the **Part/Hazards Assignment** window is required.

- Activate the **Part/Hazards Assignment** window by clicking in the next step of the window arrangement. (10)

**Part / Hazards Assignment**

**File**

---

Part Number: 166425-00

Part Description: BRACKET, ANGLE

Cage Code: 14213

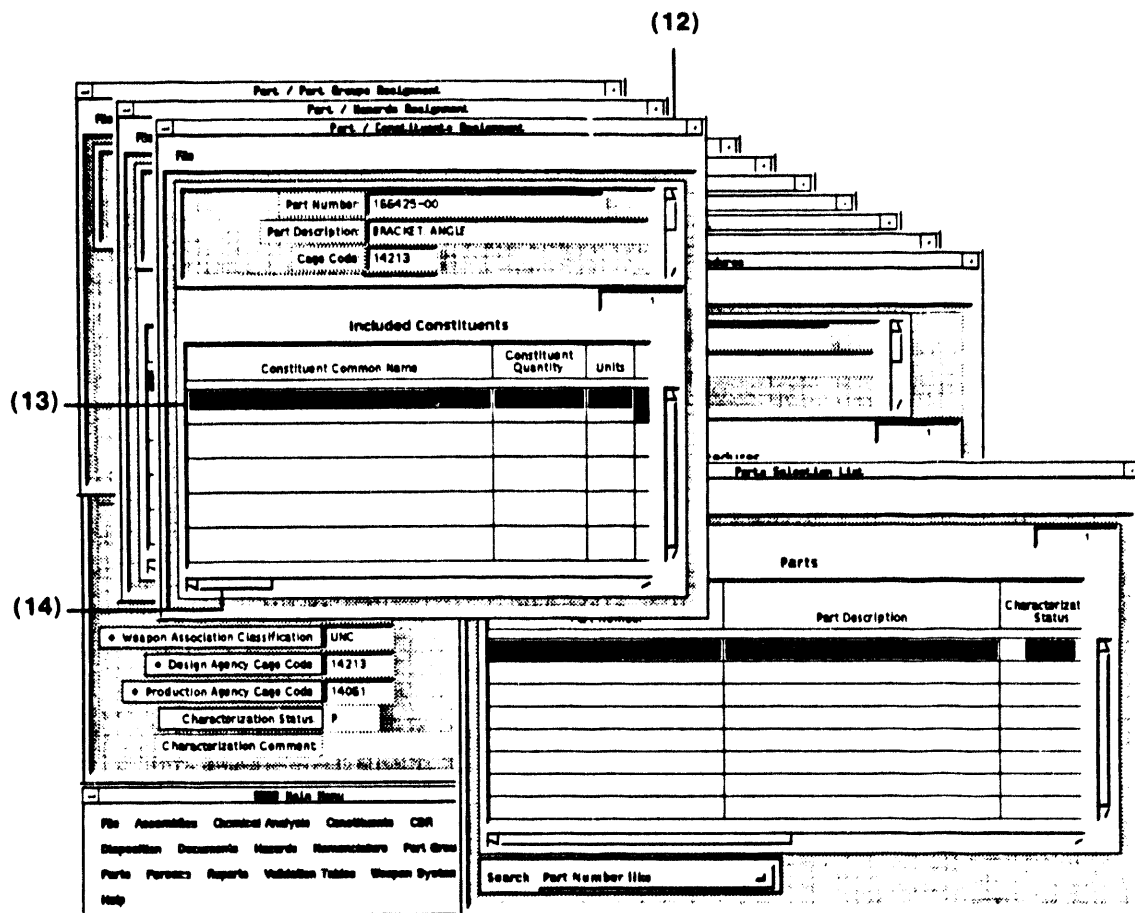
---

**Assigned Hazards**

Hazard Code	Derived Flag	Location Number
REVIEWED	<input checked="" type="checkbox"/>	

(11)

- Verify the Assigned Hazards according to the DSD General Guidance Manual and the document package. (11)
- If the Hazard Code listing shows a code other than REVIEWED, the location must be entered. (Each hazard on the list must show a location.)
- Use the scroll bar at the bottom of the window to move through the columns.
- Note discrepancies for the data entry team.



## Part/Constituents Assignment

- Activate the **Part/Constituents Assignment** window by clicking in the next step of the window arrangement. (12)
- Verify Included Constituents according to the document package. (13)
- Review the Constituent Common Name and all additional information in the adjacent columns.
- Use the scroll bars at the bottom/side of the window to move through the columns/rows. (14)

**Part / Constituents Assignment**

**File**

Part Number: 166425-00

Part Description: BRACKET, ANGLE

Cage Code: 14213

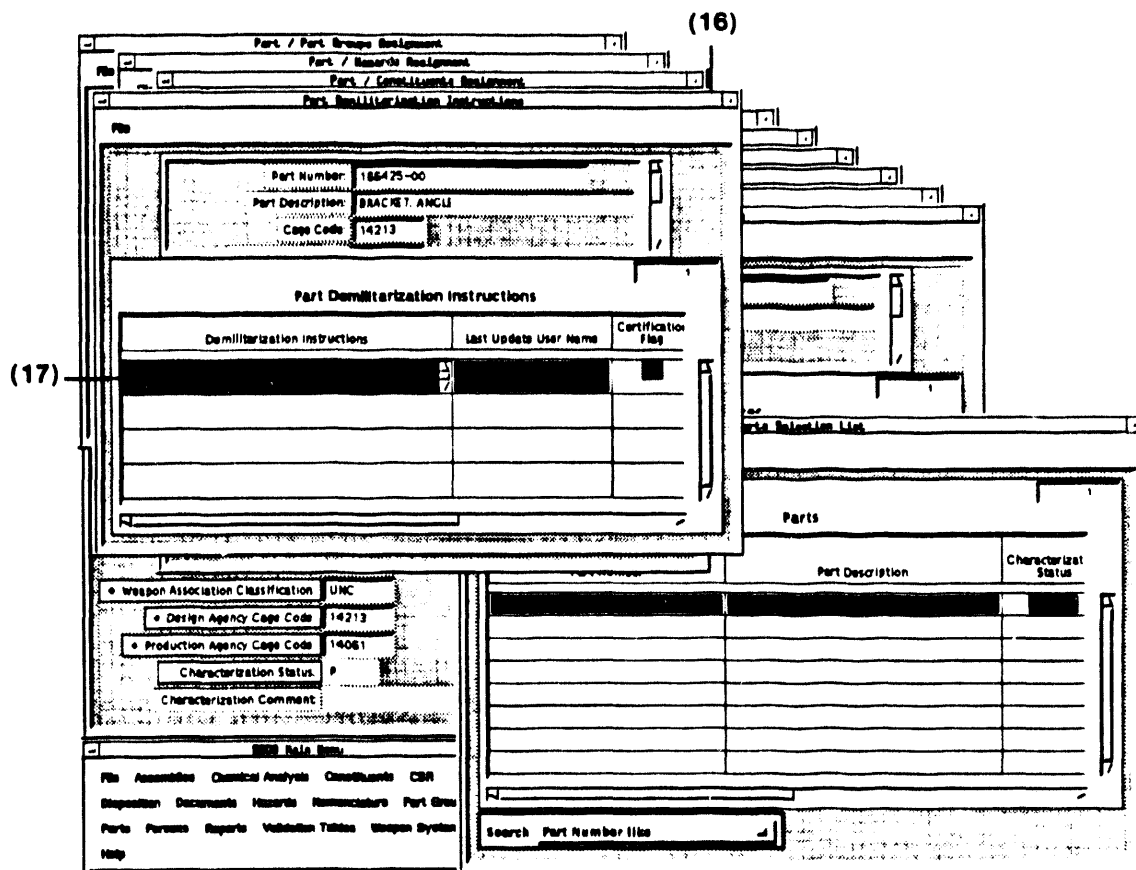
1

**Included Constituents**

	Part Constituent Comment	La
7	6061-T6 PER QQ-A-270, ANODIZED PER MIL-A-8625, TYPE I OR II	7

(15)

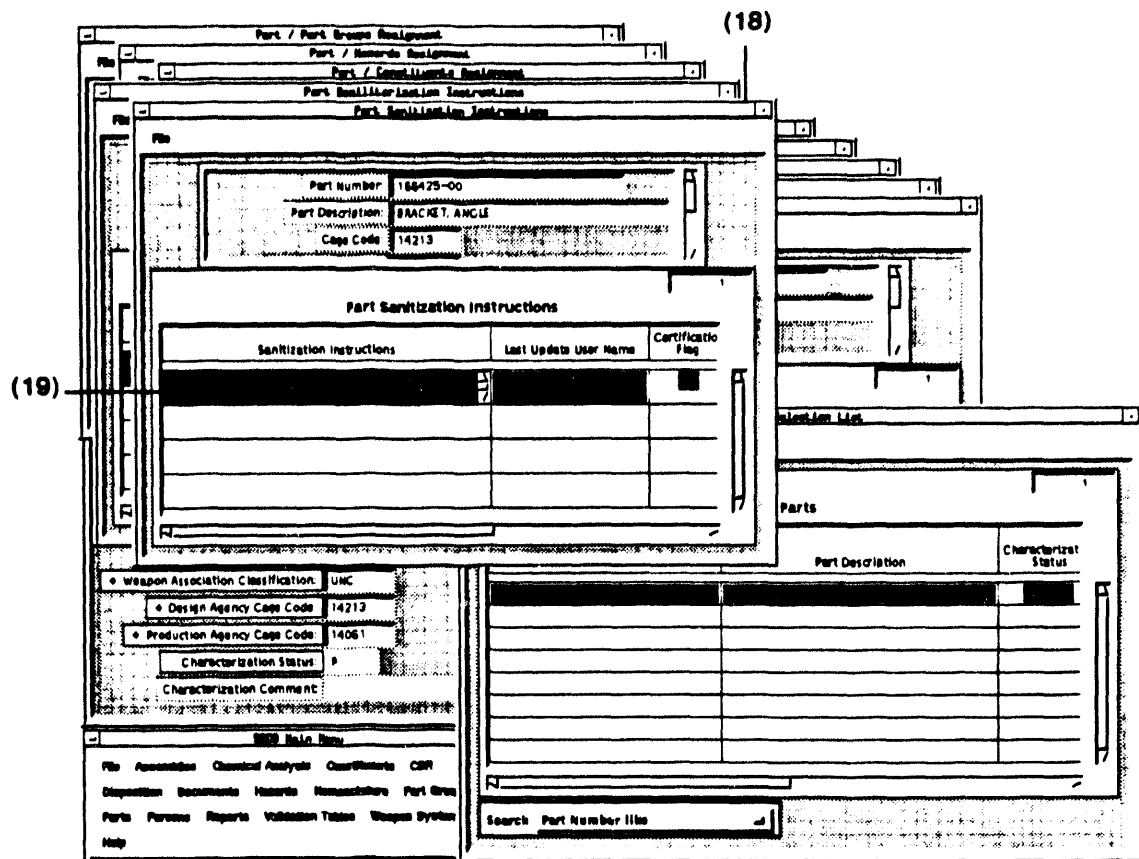
- Verify all information according to the document package. (15)
- Note discrepancies for the data entry team.



## Part Demilitarization Instructions

Information for the **Part Demilitarization Instructions** window is required.

- Activate the **Part Demilitarization Instructions** window by clicking in the next step of the window arrangement. (16)
- Verify instructions according to the DSD General Guidance Manual. (17)
- If the part requires demilitarization, verify the data with the local classification officer.
- Note discrepancies for the data entry team.

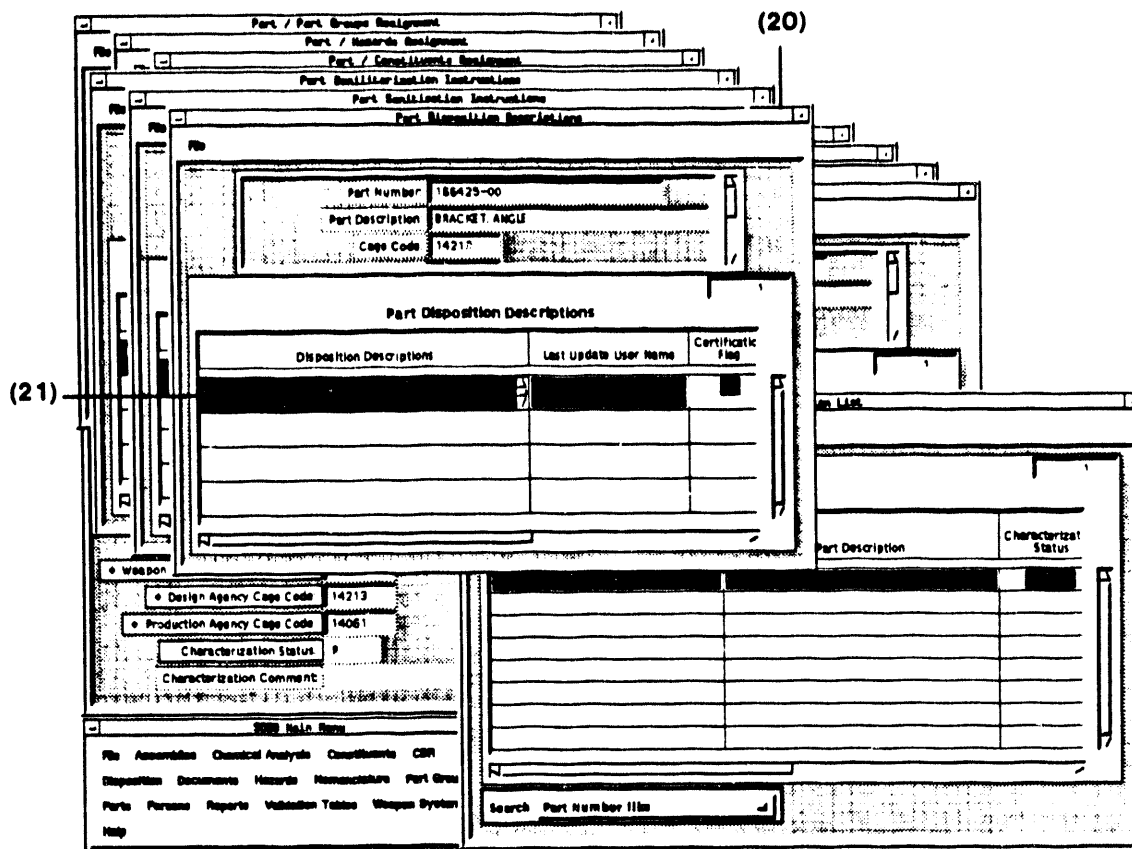


## Part Sanitization Instructions

Information for the **Part Sanitization Instructions** window is required.

- Activate the **Part Sanitization Instructions** window by clicking in the next step of the window arrangement. (18)
- Verify the Part Sanitization Instructions according to the DSD General Guidance Manual and the document package, which also identifies the classification level. (19)
- If the part is classified, verify the data with the local classification officer.
- Note discrepancies for the data entry team.

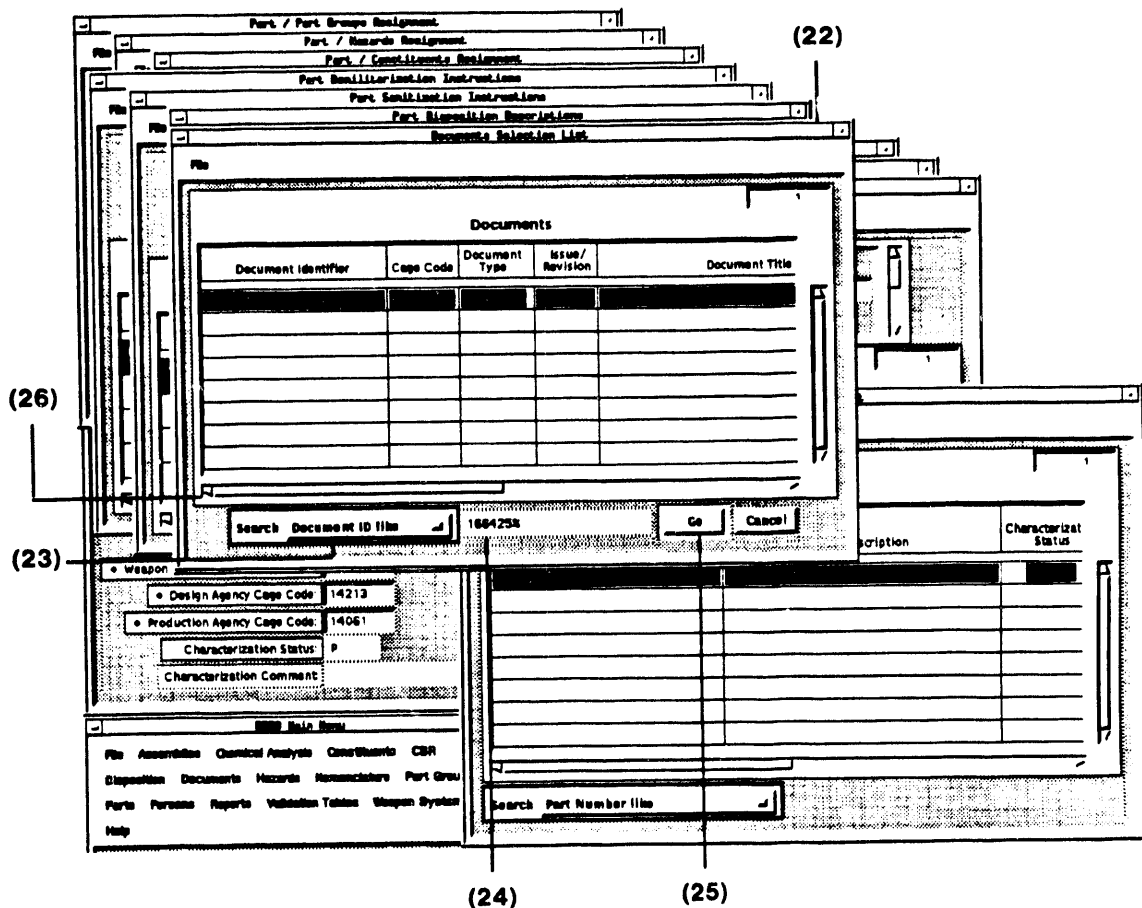




## Part Disposition Descriptions

Information for the **Part Disposition Descriptions** window is required.

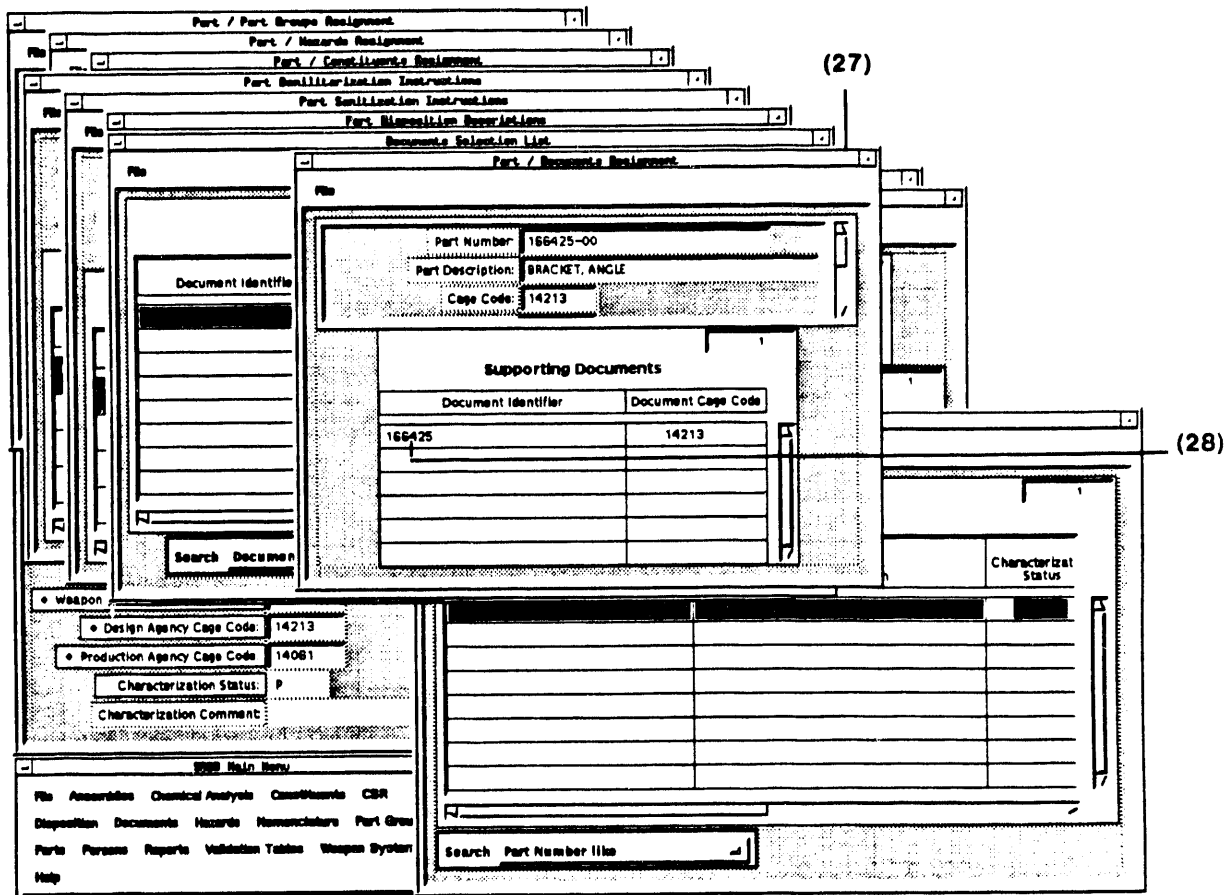
- Activate the **Part Disposition Descriptions** window by clicking in the next step of the window arrangement. (20)
- Verify the data for the Part Disposition Descriptions according to guidance from the local waste management group. (21)
- Note discrepancies for the data entry team.



## Documents Selection List

- Activate the **Documents Selection List** window by clicking in the next step of the window arrangement. (22)
- Verify that the documents are correctly entered into the database by searching on each of the document numbers used to provide characterization data for the part being reviewed.
- Select Document ID Like/Document ID Like to display a text box. (23)
- Type the Document Identifier from the document package. (24)
- Press the Return key or click the Go button. These selections display the document number and other information to be verified. (25)
- Use the scroll bars at the bottom/side to move through the columns/rows. (26)
- Note discrepancies for the data entry team.

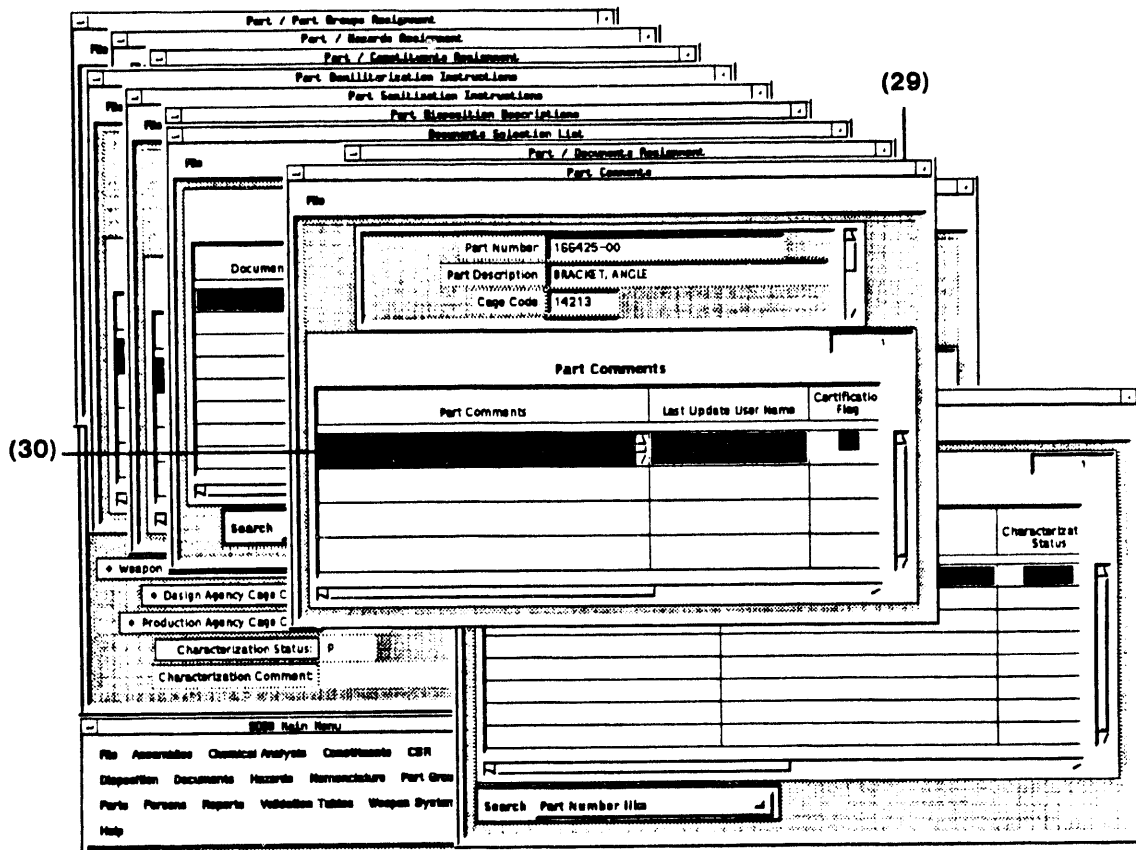
Repeat Steps 23 through 26 for each document to be verified.



## Part/Documents Assignment

Information for the **Part/Documents Assignment** window is required.

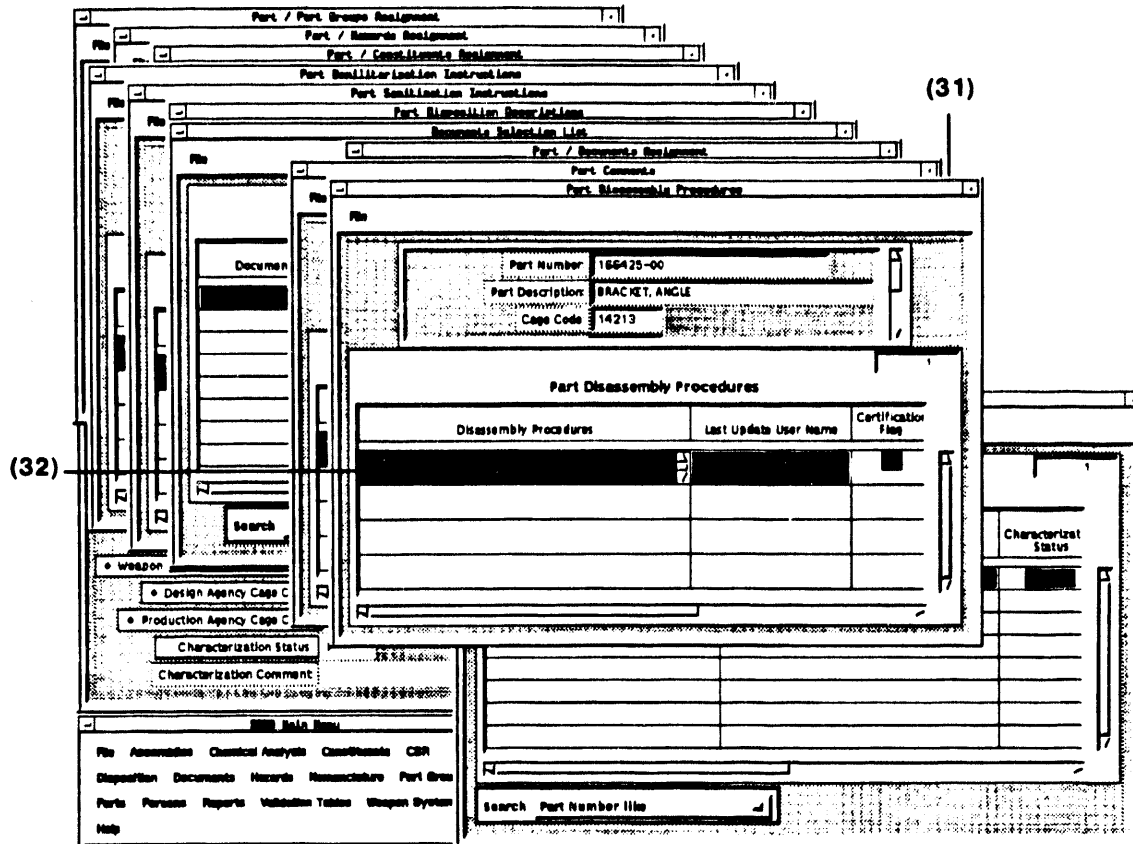
- Activate the **Part/Documents Assignment** window by clicking in the next step of the window arrangement. (27)
- Verify that the Supporting Documents that provided information about the part are linked to the part number. (28)
- Note discrepancies for the data entry team.



## Part Comments

Information for the **Part Comments** window is required.

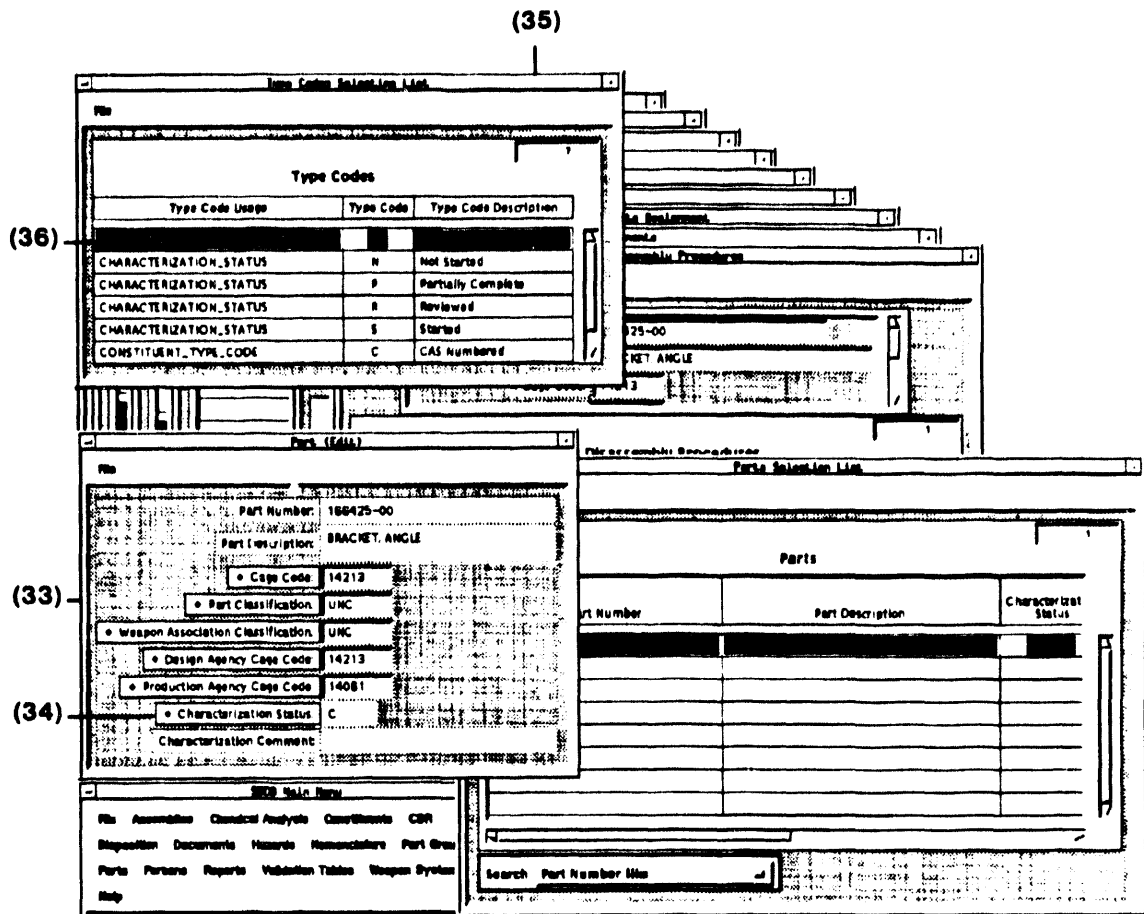
- Activate the **Part Comments** window by clicking in the next step of the window arrangement. (29)
- Review the Part Comments (miscellaneous information pertaining to the part). (30)
- Note discrepancies and refer questions to the data entry team.



## Part Disassembly Procedures

Information for the **Part Disassembly Procedures** window is required.

- Activate the **Part Disassembly Procedures** window by clicking in the next step of the window arrangement. (31)
- Verify the Part Disassembly Procedures by reviewing the information with the document package. Simple parts should show NONE and there would be no lower level entries in the Disposition Tree Next Levels window. Complex parts should show a procedure for each part to be disassembled. Also, the Disposition Tree Next Levels window needs to be checked for the correct lower level part numbers and quantities. (32)
- Note discrepancies and refer questions to the data entry team.



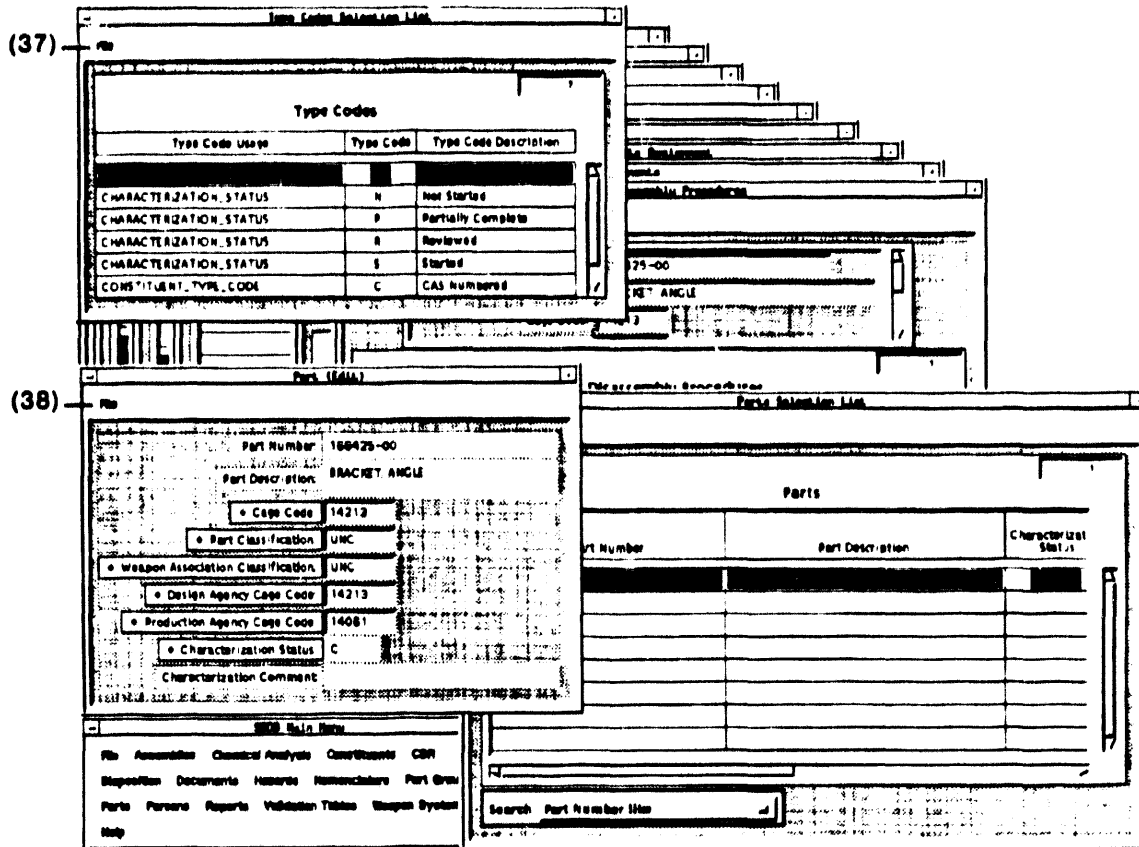
## Part (Edit)

### Characterization Status

- Activate the **Part (Edit)** window by clicking on the outline of the window located above the **SDDB Main Menu**. (33)

NOTE: A text box that includes a diamond symbol (◆) indicates that a pick list has to be accessed to enter data into the text box. Access the pick list by clicking on the diamond and making the appropriate selection from the pick list window. A text box without a diamond symbol indicates that information must be typed. For consistency, type the information in capital letters.

- Click on the diamond symbol in the Characterization Status box to activate the **Type Codes Selection List** window. (34)
- Position this window in a convenient location to be easily accessed. (35)
- Highlight the row labeled C. This code indicates that the characterization has been completed. (36)



- Select File/Close in the **Type Codes Selection List** window. (37)
- Select File/Modify in the **Part (Edit)** window. These selections transfer a C to the Characterization Status column in the **Part Selection List** window. (38)

## **Procedures for External QA/QC of a Simple Part**

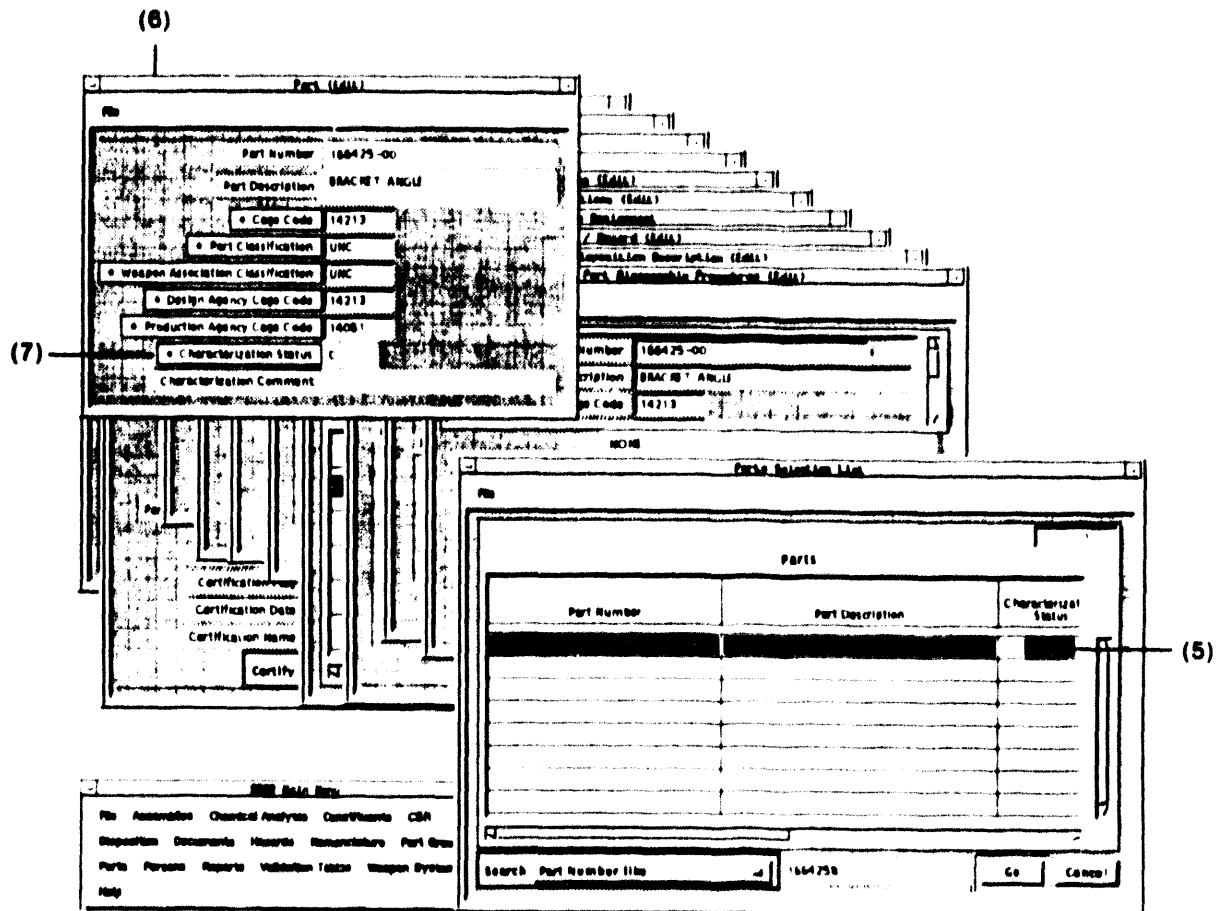
External QA/QC locks information in the database. It may be performed by the same agency responsible for the data entry for simple parts. However, there is a need for both the design and production agencies responsible for the design and build of a complex part to review the data for that part. The agency that did not perform the data entry for the complex part will be responsible for performing the external QA/AC review.

This is a procedure to verify information. Refer discrepancies, if any, to the data entry team for review or correction when all information has been verified.

<p><b>NOTE:</b> The top bar of the active window is a different color or shade from the inactive windows.</p>
---







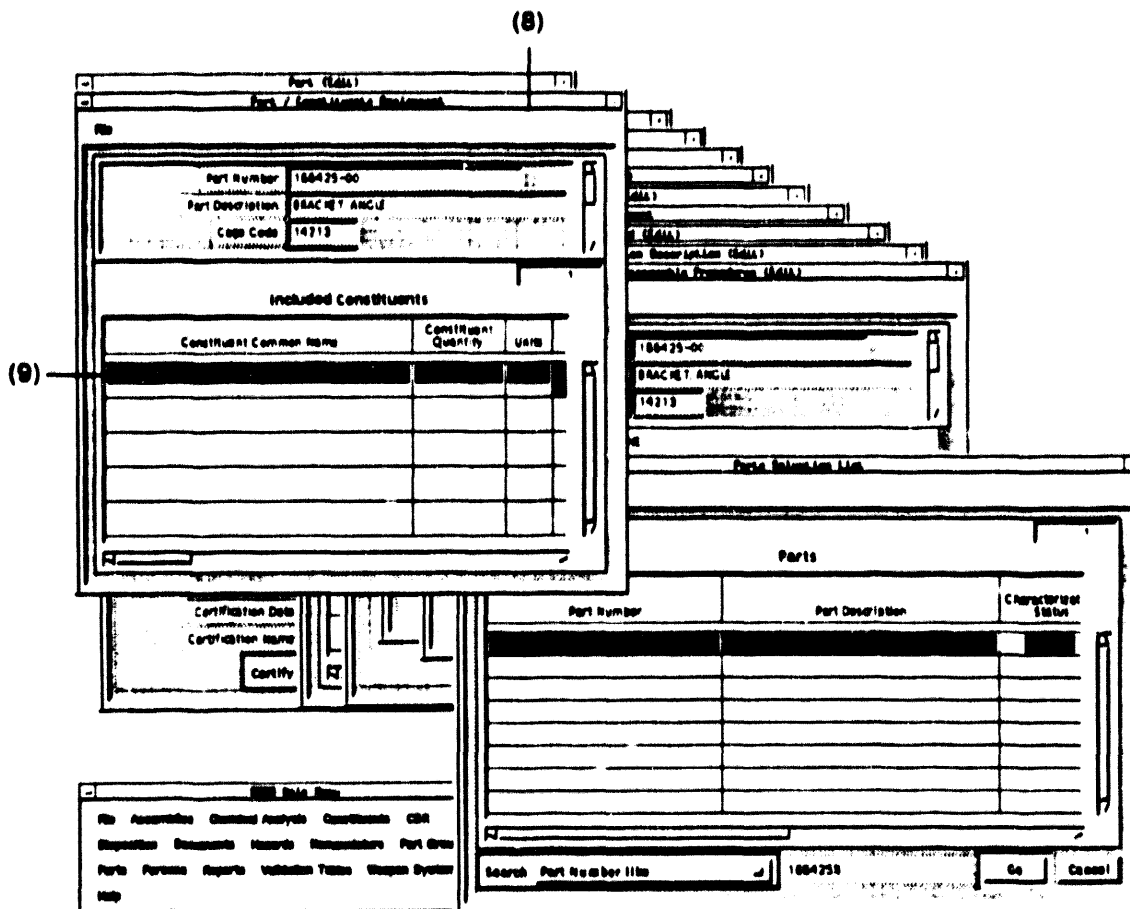
- Use the scroll bar at the right side of the window to move through the list.
- Highlight the appropriate row of the Part Number/Suffix to be reviewed. (5)

## Part (Edit)

- Activate the **Part (Edit)** window by clicking in the first step of the window arrangement. (6)

### Characterization Status

- Verify a **C** in this box. The **C** indicates that the part has undergone Internal QA/QC. This flag is the indicator used to identify that the part is ready for External QA/QC. If any letter other than **C** is present, do not continue with the External QA/QC procedure. (7)
- Verify all information in this window according to the document package.
- Note discrepancies for the data entry team, but do not change their information without informing them.



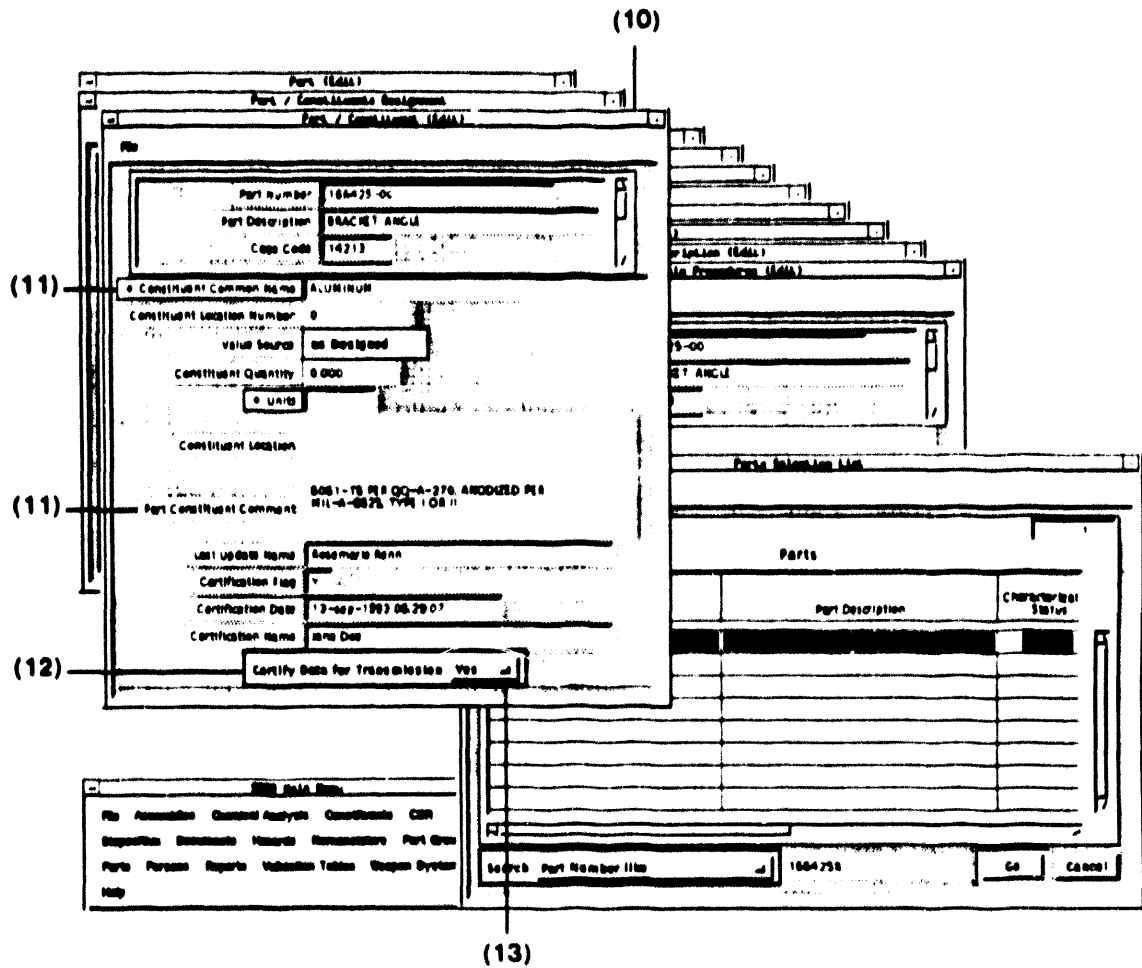
## Part/Constituents Assignment

- Activate the **Part/Constituents Assignment** window by clicking in the next step of the window arrangement. (8)

**NOTE:** Information in the **Part/Constituents Assignment** window is required.

### Included Constituents

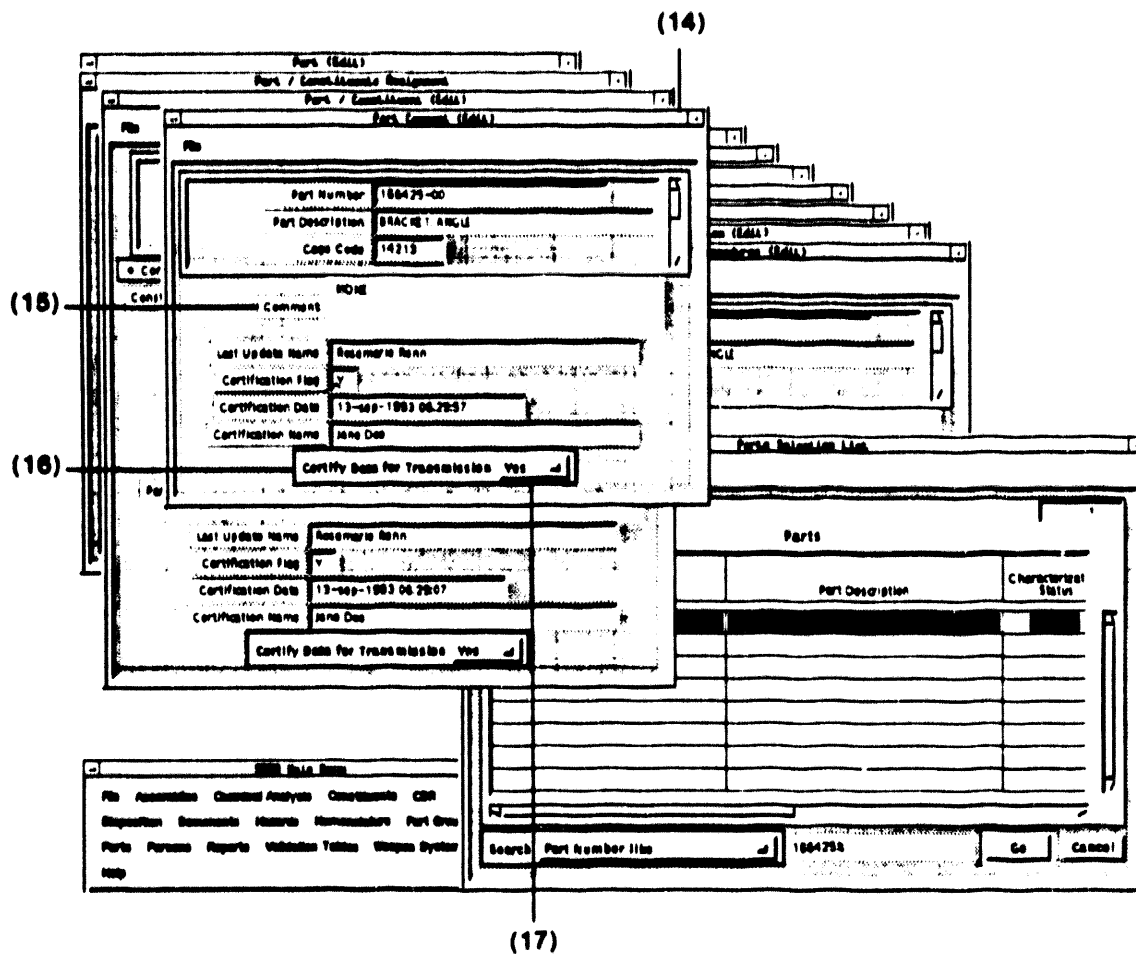
- Use the scroll bar at the right side of the window to move through the list.
- Highlight the appropriate row of the constituent to be verified. (9)
- Verify each constituent separately in the **Part/Constituent (Edit)** window, if more than one constituent is listed in the **Part/Constituents Assignment** window. (Reactivate the **Part/Constituents Assignment (Edit)** window and repeat the cycle through Step 13 for each constituent listed.)



#### *Part/Constituent (Edit)*

- Activate the **Part/Constituent (Edit)** window by clicking in the next step of the window arrangement. (10)
- Verify the information using the document package. (11)
- If unable to verify the information, note discrepancies for the data entry team and skip to Step 14. Otherwise, proceed to Step 12.
- Select Verify Data for Transmission/Null at the bottom of the window if the data can be verified. (12)
- Select Yes and click OK. (13)

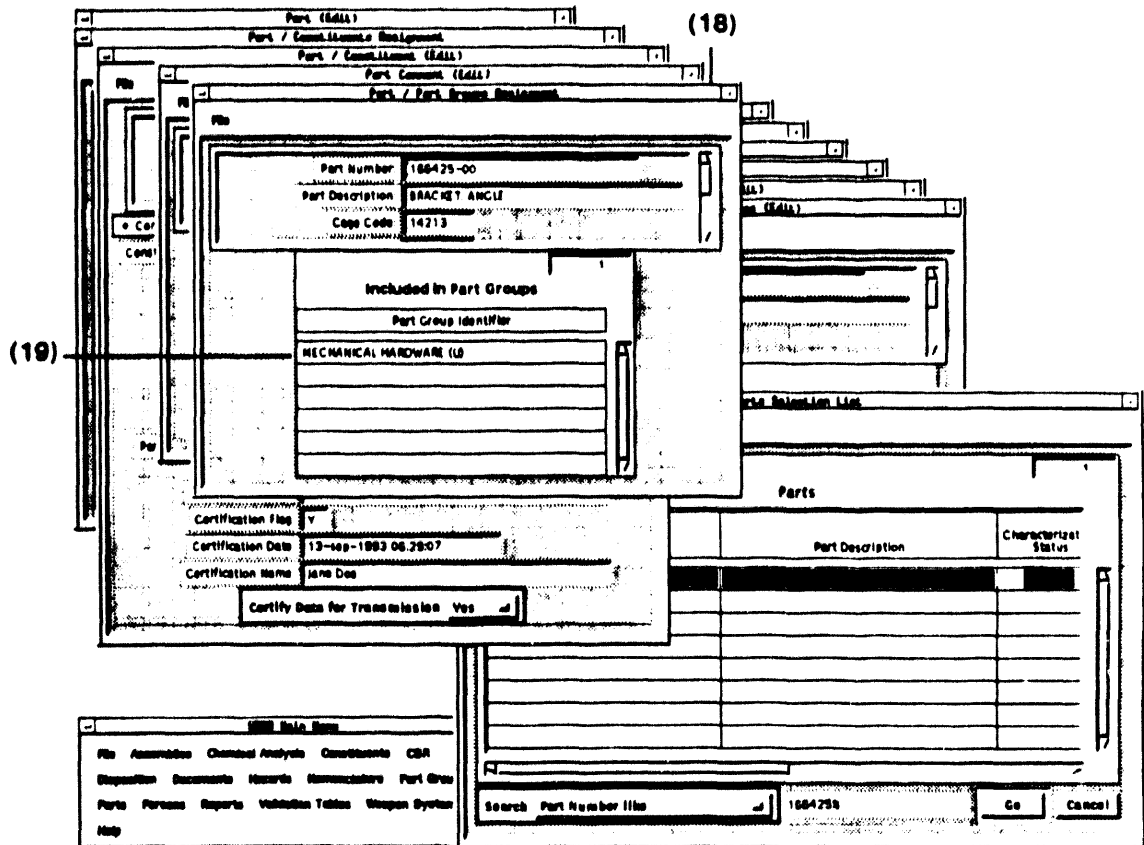
**NOTE:** Repeat Steps 8 through 13 for each constituent to be verified.



## Part/Comments

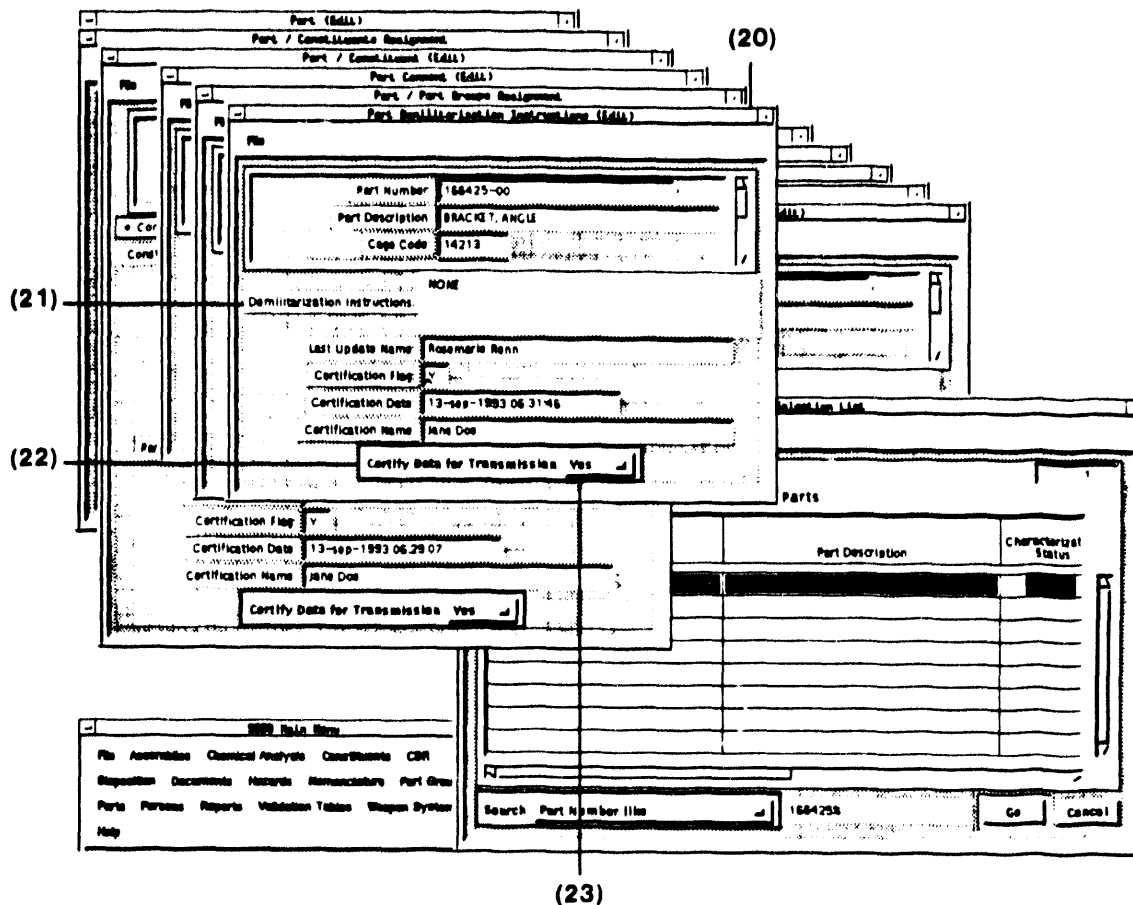
**NOTE:** Information in the **Part/Comment (Edit)** window is required.

- Activate the **Part Comment (Edit)** window by clicking in the next step of the window arrangement. (14)
- Review the information in the **Comment** box and refer discrepancies to the data entry team if clarification is necessary. (15)
- If unable to verify the information, note discrepancies for the data entry team and skip to Step 18. Otherwise, proceed to Step 16.
- Select **Verify Data for Transmission/Null** at the bottom of the window if the data can be verified. (16)
- Select **Yes** and click **OK**. (17)



## Part/Part Groups Assignment

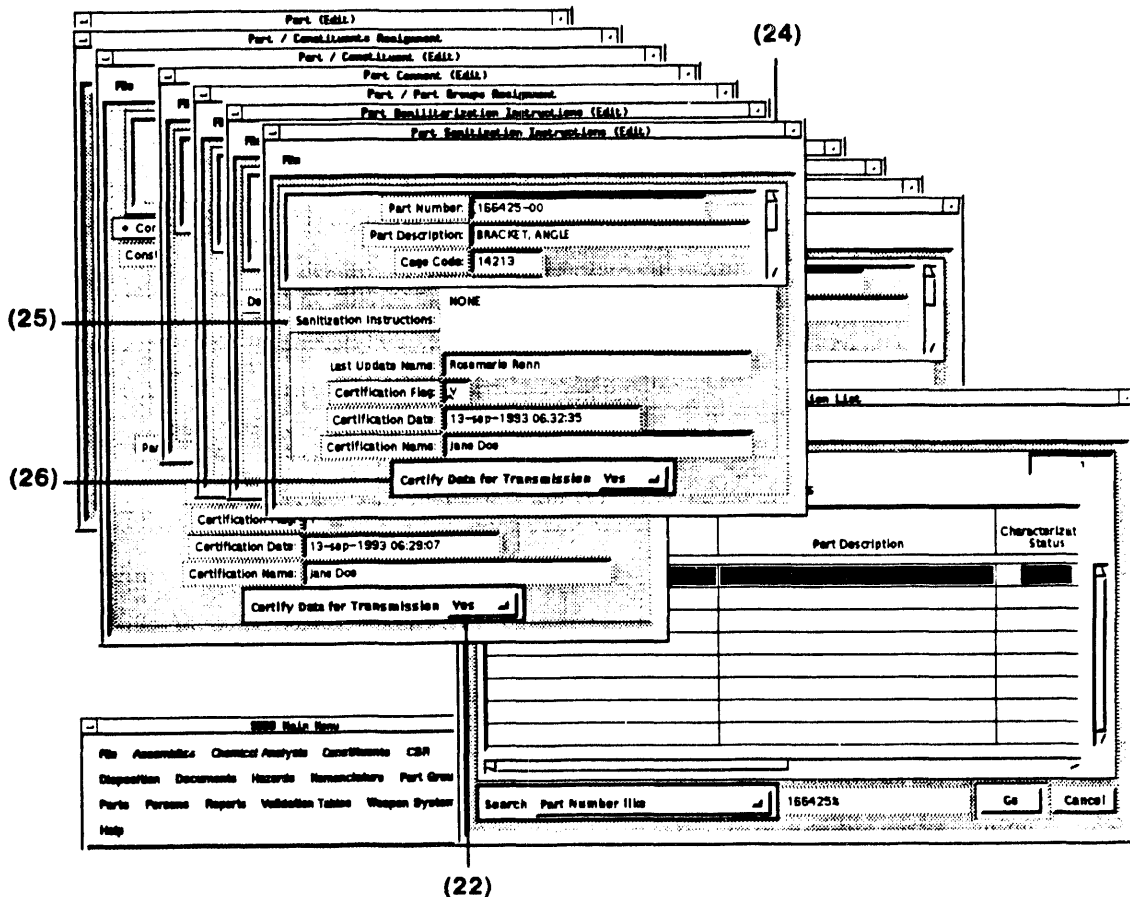
- Activate the **Part/Part Groups Assignment** window by clicking in the next step of the window arrangement. (18)
- Verify the part group assignment listed in the Part Group Identifier box according to the Demilitarization and Sanitization for Disposition (DSD) General Guidance Manual. A part may belong to more than one part group. (19)
- Note discrepancies for the data entry team.



## Part Demilitarization Instructions

**NOTE:** Information in the **Part Demilitarization Instructions** window is required.

- Activate the **Part Demilitarization Instructions (Edit)** window by clicking in the next step of the window arrangement. (20)
- Verify the information according to the DSD General Guidance Manual and the local classification officer. (21)
- If unable to verify the information, note discrepancies for the data entry team and skip to Step 24. Otherwise, proceed to Step 22.
- Select **Verify Data for Transmission/Null** at the bottom of the window if the data can be verified. (22)
- Select **Yes** and click **OK**. (23)

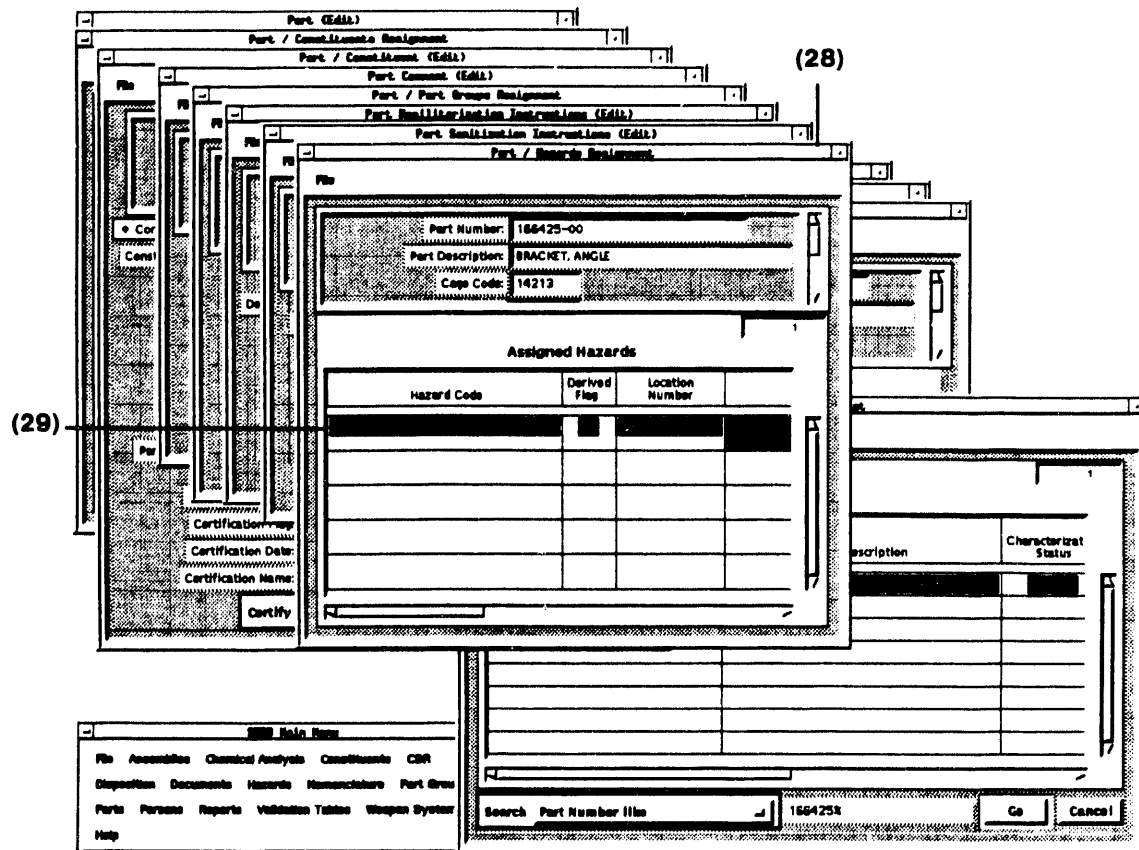


## Part Sanitization Instructions

**NOTE:** Information for the **Part Sanitization Instructions** window is required.

- Activate the **Part Sanitization Instructions (Edit)** window by clicking in the next step of the window arrangement. (24)
- Verify the information according to the DSD General Guidance Manual and the local classification officer. (25)
- If unable to verify the information, note discrepancies for the data entry team and skip to Step 28. Otherwise, proceed to Step 26.
- Select Verify Data for Transmission/Null at the bottom of the window if the data can be verified. (26)
- Select Yes and click OK. (27)

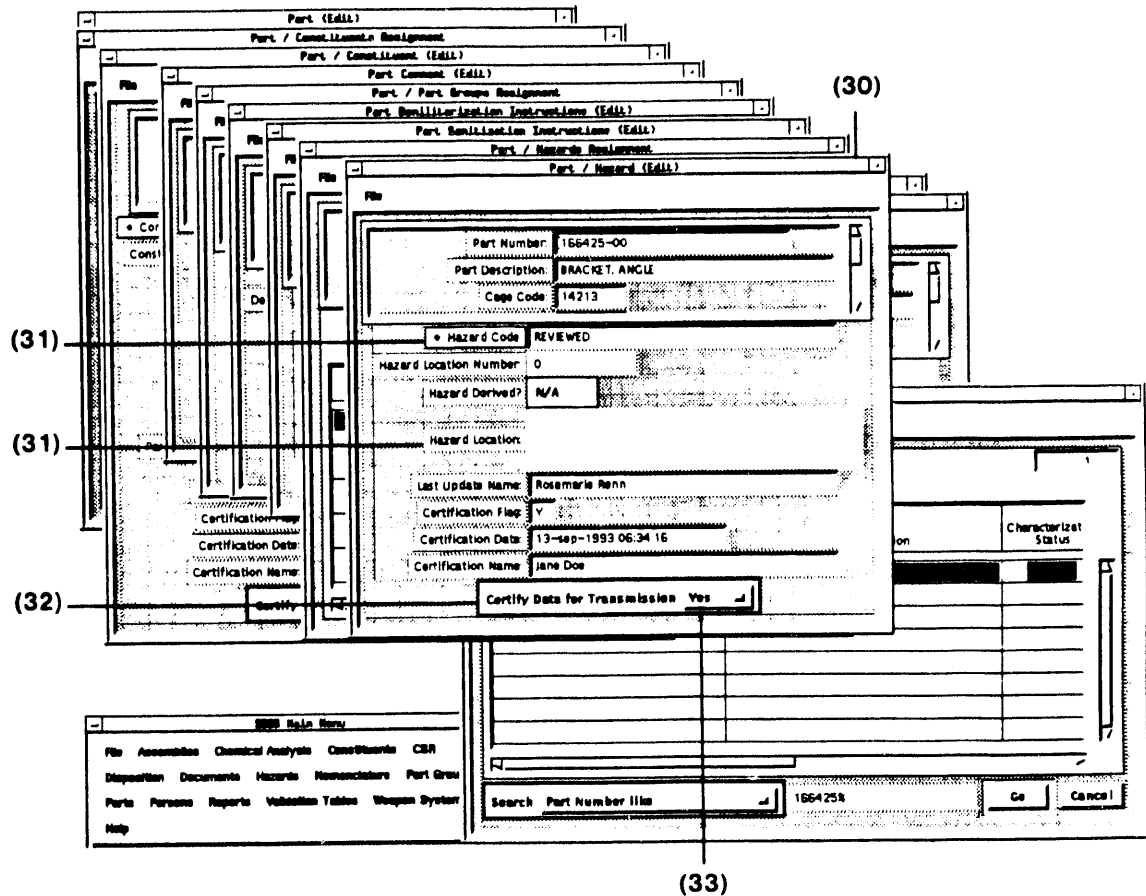




## Part/Hazards Assignment

**NOTE:** Information in the **Part/Hazards Assignment List** is required.

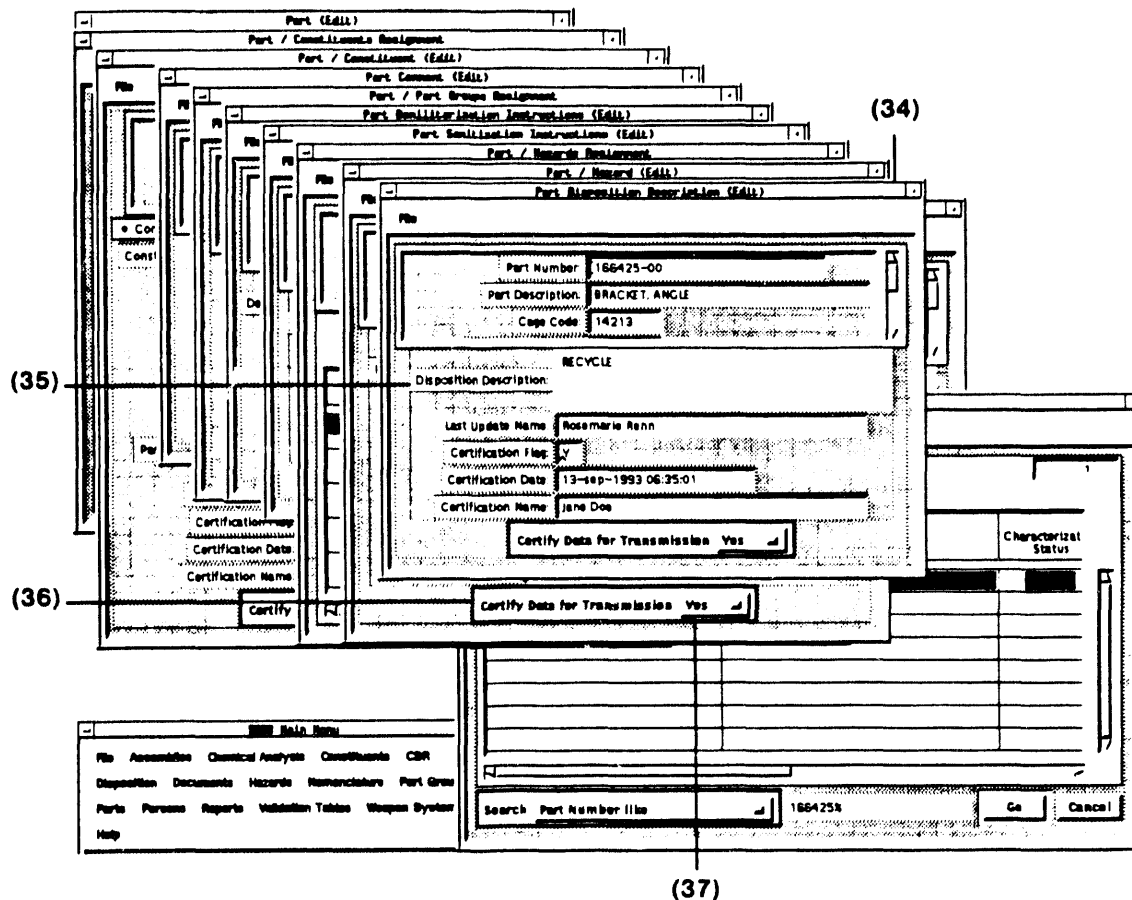
- Activate the **Part/Hazards Assignment** window by clicking in the next step of the window arrangement. (28)
- Use the scroll bar at the right side of the window to move through the list.
- Highlight the appropriate row of the assigned hazard to be verified. (29)
- Verify each constituent separately in the **Part/Hazards (Edit)** window, if more than one hazard is listed in the **Part/Hazards Assignment** window. (Reactivate the **Part/Hazards Assignment** window and repeat the cycle through Step 33 for each hazard listed.)



## Part/Hazard (Edit)

- Activate the **Part/Hazard (Edit)** window by clicking in the next step of the window arrangement. (30)
- Verify the information using the document package. (31)
- If unable to verify, note discrepancies for the data entry team and skip to Step 34. Otherwise, proceed to Step 32.
- Select Verify Data for Transmission/Null at the bottom of the window. (32)
- Select Yes and click OK. (33)

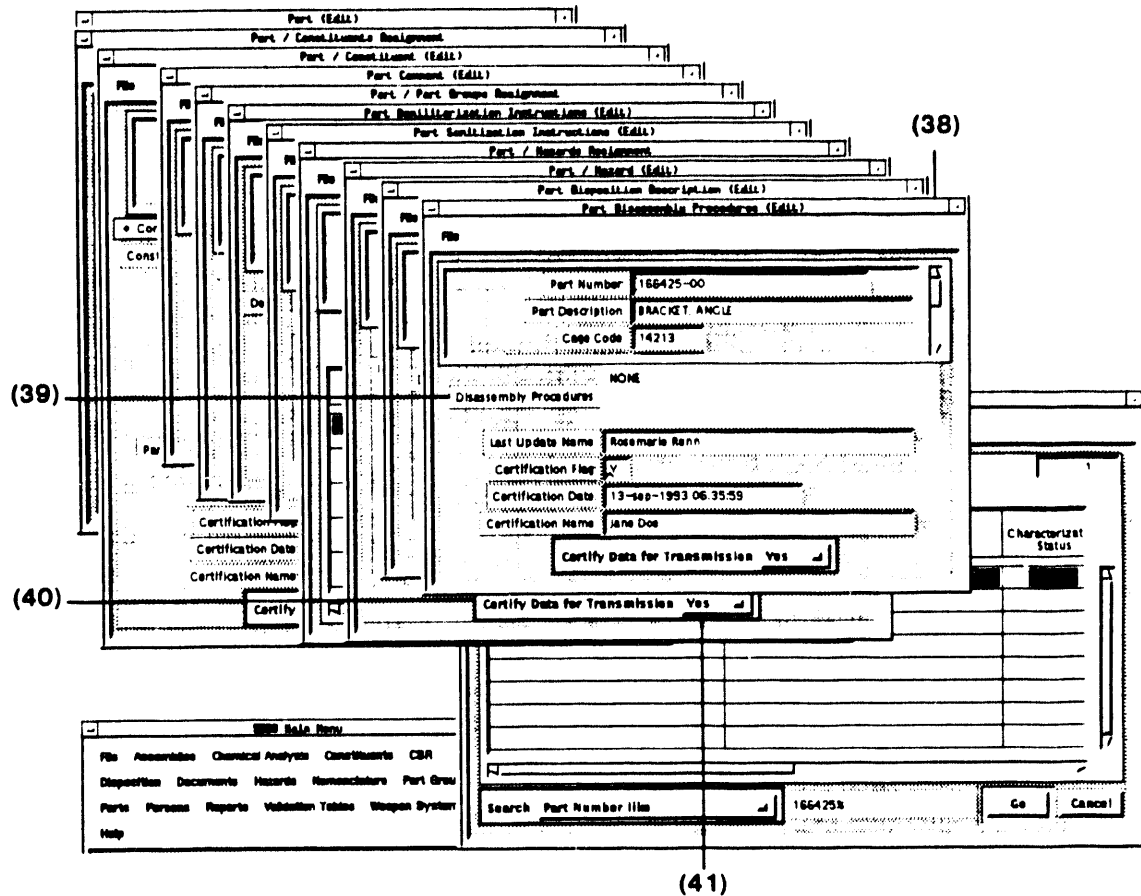
NOTE: Repeat Steps 29 through 33 for each hazard to be verified.



## Part Disposition Description (Edit)

NOTE: Information in the **Part/Disposition Description (Edit)** window is required.

- Activate the **Part Disposition Description (Edit)** window by clicking in the next step of the window arrangement. (34)
- Verify the Disposition Description block with the local waste management group. (35)
- If unable to verify, note discrepancies for the data entry team and skip to Step 38. Otherwise, proceed to Step 36.
- Select Verify Data for Transmission/Null at the bottom of the window. (36)
- Select Yes and click OK. (37)



## Part Disassembly Procedures

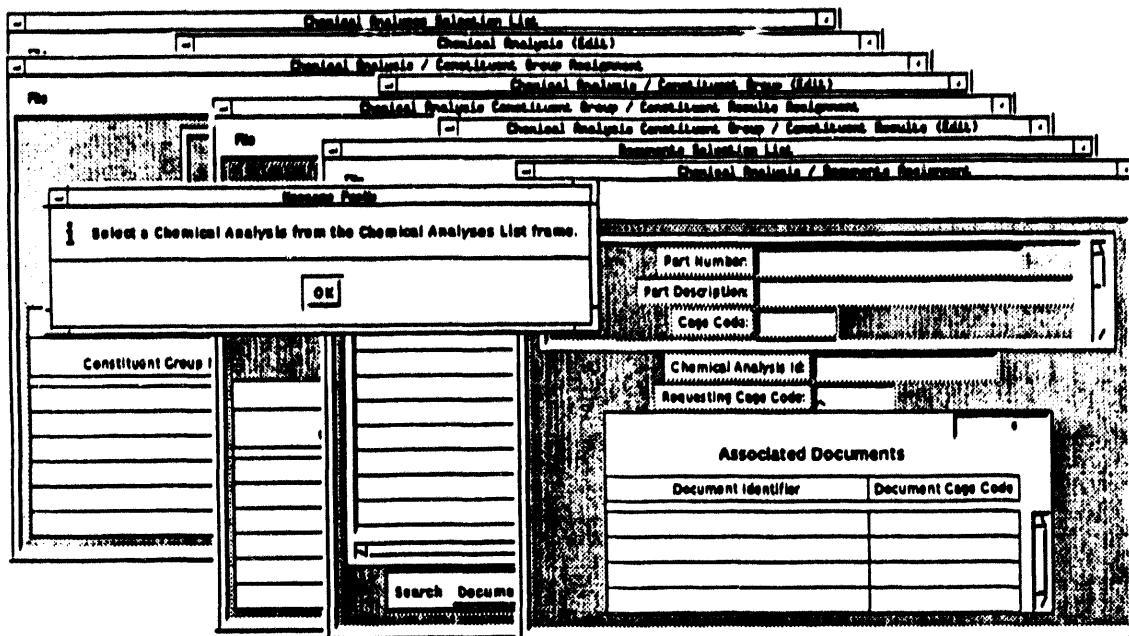
**NOTE:** Information in the **Part Disassembly Procedures (Edit)** window is required.

- Activate the **Part Disassembly Procedures (Edit)** window by clicking in the next step of the window arrangement. (38)
- Verify the Disassembly Procedures according to instructions or referenced documents. (39)
- If unable to verify, note discrepancies for the data entry team.
- Select Verify Data for Transmission/Null at the bottom of the window. (40)
- Select Yes and click OK. (41)

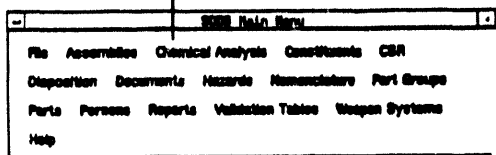
## **Procedures for Data Entry of a Chemical Analysis**

This is a procedure for entering the results of chemical analysis of a part or constituent group of a part. (A constituent group is some fraction of the original part). The part Disposition Procedure and Analytical Laboratory Report will need to be referenced to enter data.

**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

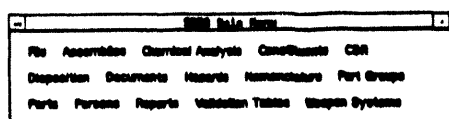
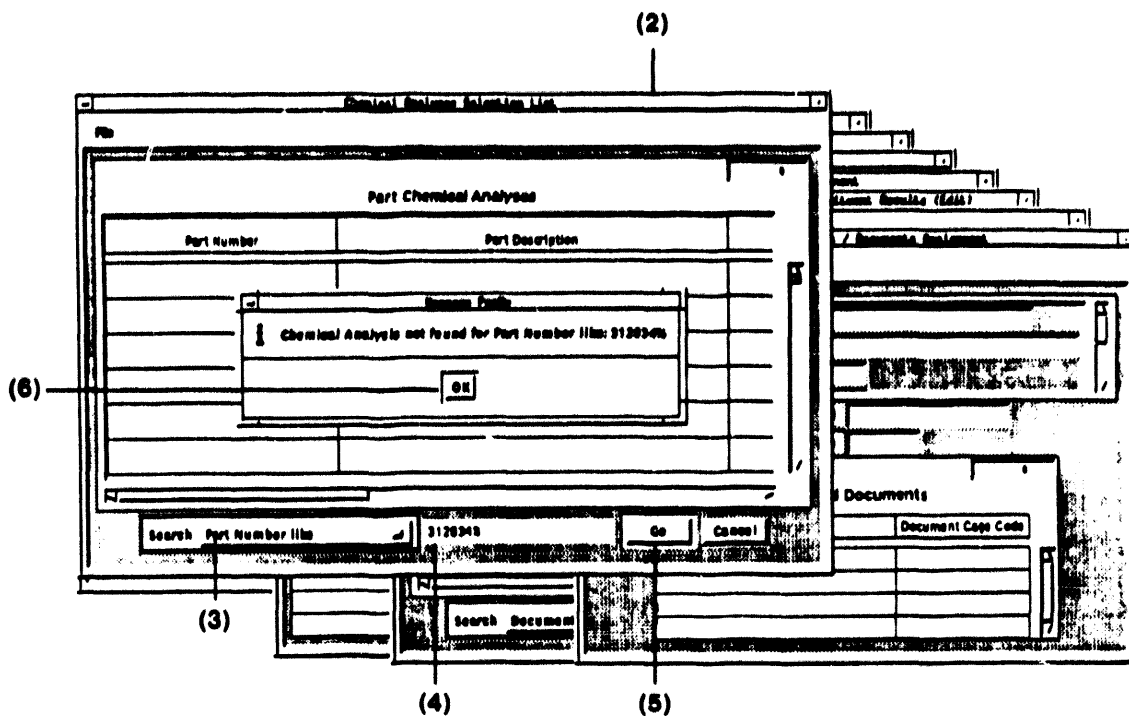


(1)



- Refer to the Log-in Procedure in the General Section to log in.
- Set up the window arrangement for all the windows from **SDDB Main Menu/Chemical Analysis**, with one exception, the **Documents Selection List** window. This window comes from **SDDB Main Menu/Documents**. (1)

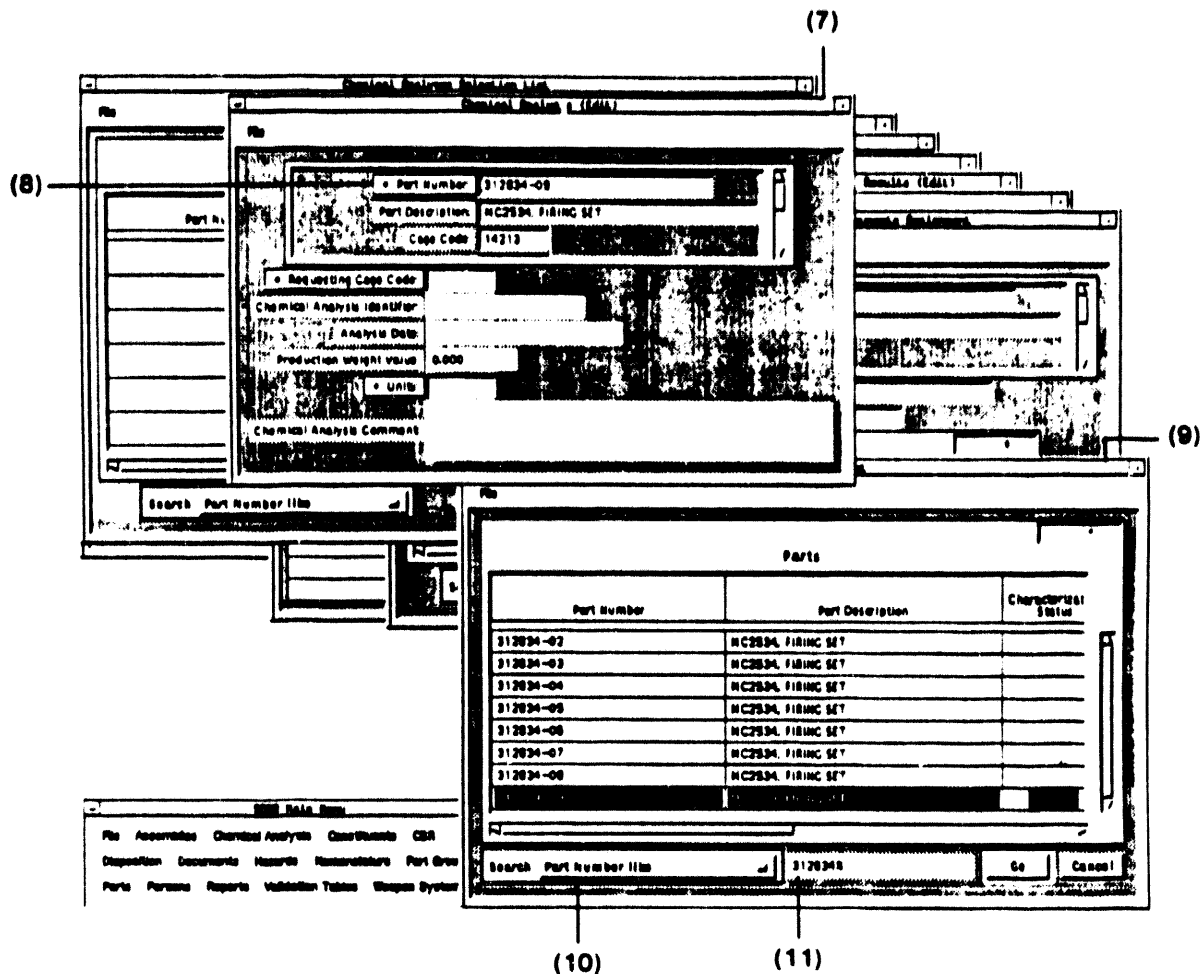
**NOTE:** The top bar of the active window is a different color or shade from the inactive windows.



## Chemical Analyses Selection List

- Activate the **Chemical Analyses Selection List** window by clicking on the top bar of the window in the first step of the window arrangement. (2)
- Select **Part Number Like/Part Number Like** to display a text box. (3)
- Type a six-digit part number into the text box. (4)
- Press the Return key or click the Go button. If no chemical analysis has been entered into the database for this part, a message is displayed. (5)
- Click OK for "Chemical Analysis not found ..." (6)

**NOTE:** Click OK on the Message Popup whenever it appears.



## Chemical Analysis (Edit)

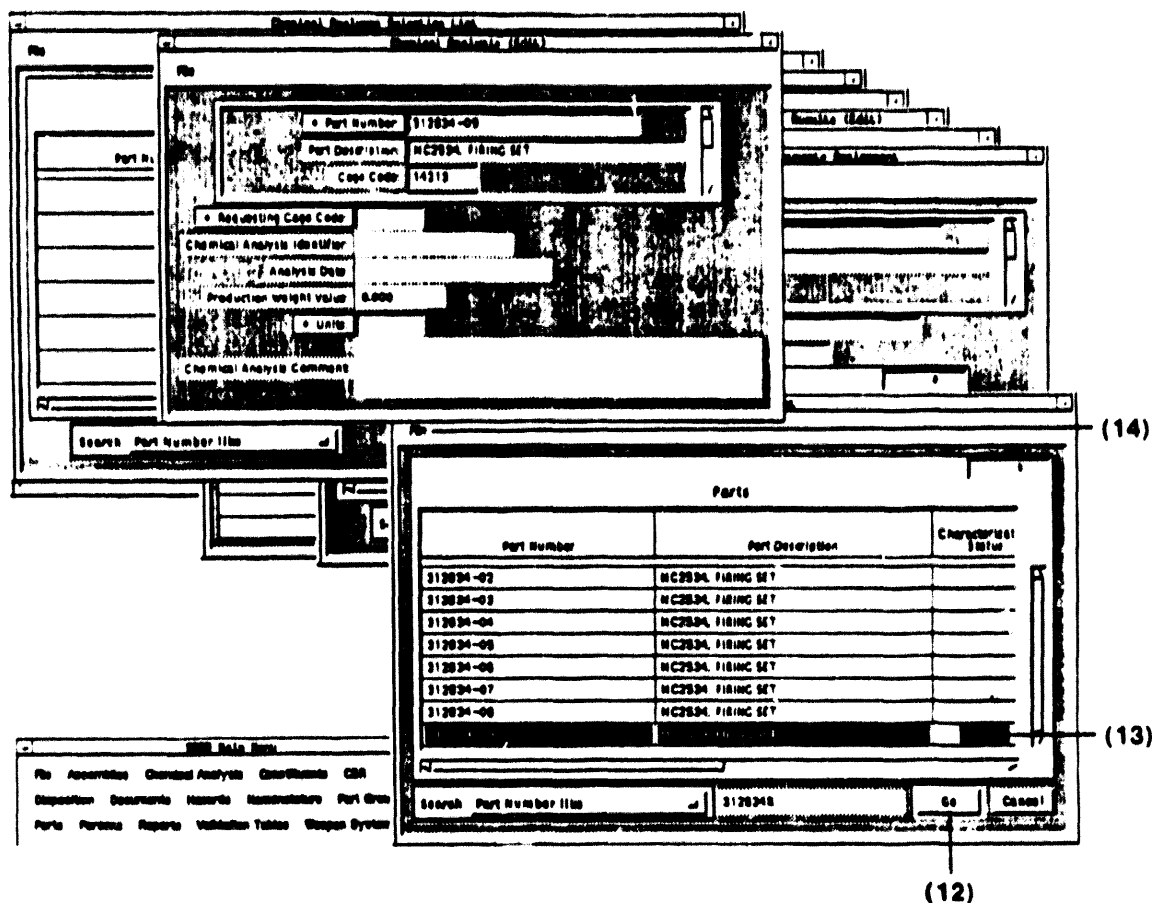
- Activate the **Chemical Analysis (Edit)** window by clicking in next step of the window arrangement. (7)

**NOTE:** A text box that includes a diamond symbol (◆) indicates that a pick list has to be accessed to enter data into the text box. Access the pick list by clicking on the diamond and making the appropriate selection from the pick list window. A text box without a diamond symbol indicates that information must be entered from the keyboard. For consistency, enter the information in capital letters.

### Part Number

- Click on the diamond symbol in the Part Number box to activate the **Part Selection List** window. (8)
- Position this window in a convenient location to be easily accessed. (9)
- Select Part Number Like/Part Number Like in the **Parts Selection List** window to display a text box. (10)
- Type a six-digit part number into the text box. (11)





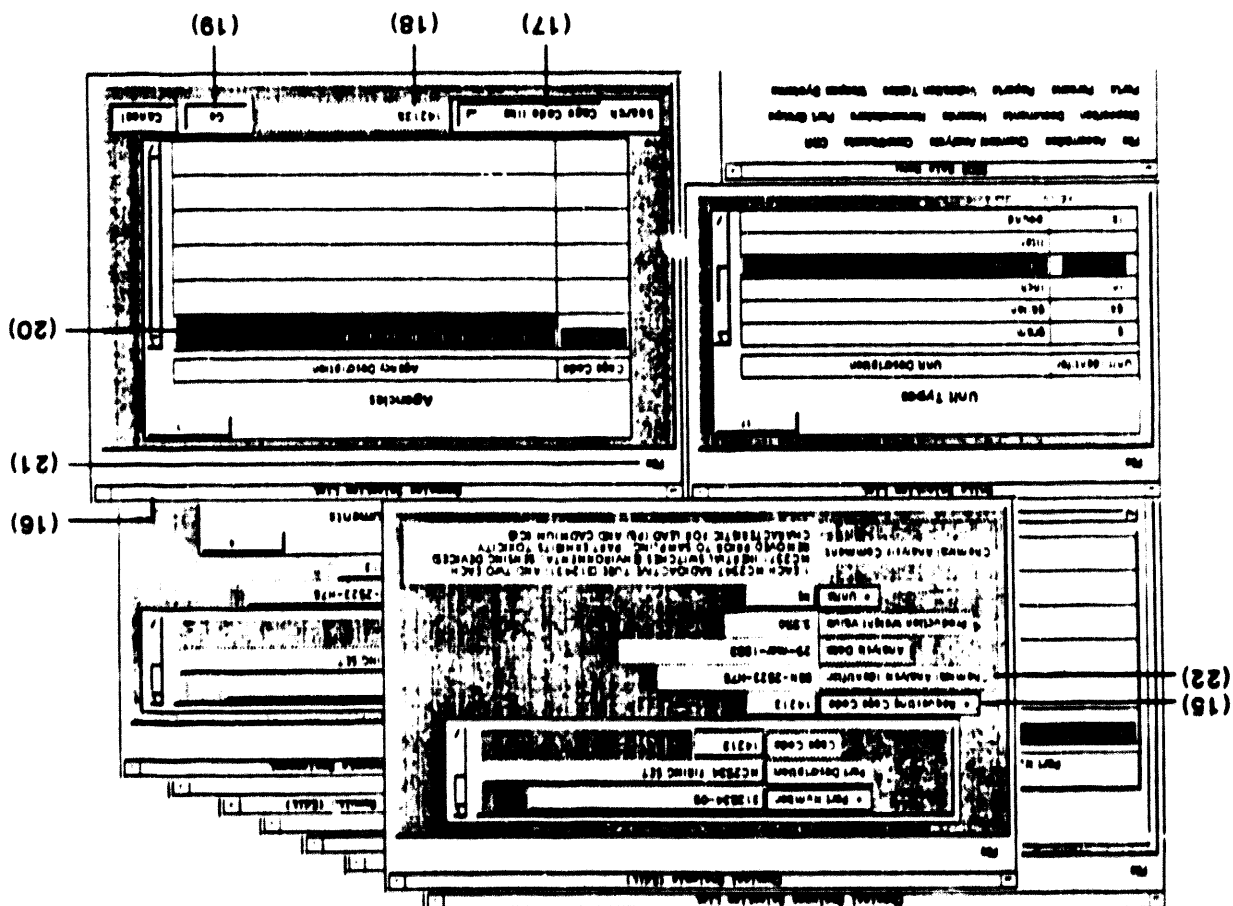
- Press the Return key or click the Go button in the window. A parts list is displayed. (12)
- Highlight the appropriate row for the part number/suffix. This selection transfers the part number, part description, and cage code to the **Chemical Analysis (Edit)** window. (13)
- Select File/Close in the **Parts Selection List** window. (14)

*Chemical Analysis Identifier*

- Click in the Chemical Analysis Identifier text box in the **Chemical Analysis (Edit)** window. Type the serial number of the actual part being analyzed into the text box. (22)

- Click on the diamond symbol in the Requesting Cage Code box to activate the **Agencies Selection List** window. (15)
- Position this window in a convenient location to be easily accessed. (16)
- Select Cage Code Like/Cage Code to display a text box. (17)
- Type the cage code for the DOE Agency that is requesting the chemical analysis of the part. (18)
- Press the Return key or click the Go button to display the agency cage code and description. (19)
- Highlight the appropriate row to transfer the code number to the **Chemical Analysis (Edit)** window. (20)
- Select File/Close in the **Agencies Selection List** window. (21)

### Requesting Cage Code



**Chemical Analysis (Edit)**

Part Number: 312834-00  
 Part Description: MC2804 FIRING SET  
 Cage Code: 14213

Requesting Cage Code: 14213  
 Analysis Date: 29-mar-1983  
 Production Weight Value: 3.350

Chemical Analysis Comments: 1 EACH MC2804 RADIOACTIVE TUBE (B14311) AND TWO EACH MC2371 METAL SWITCHES (ENVIRONMENTAL FUSING DEVICES REMOVED PRIOR TO SHIPPING. PART EXHIBITS TOXICITY CHARACTERISTIC FOR LEAD (Pb) AND CADMIUM (Cd).

**Units Selection List**

Unit Identifier	Unit Description
g	gram
kg	kilogram
in	inch
ft	foot
lb	pound

**Agencies**

Cage Code	Agency Description

Search Cage Code like 142130 [Go] [Cancel]

**NOTE:** If more than one part has been combined to meet the sampling requirements of the analysis method, additional serial numbers can be listed in the Chemical Analysis Comment box.

#### Analysis Date

- Click in the Analysis Date text box. Type the date the chemical analysis was performed. (23)

#### Production Weight Value

- Click in the Production Weight Value text box. Type the weight of the part. Refer to the part documentation for this information. (24)

#### Units

- Click on the diamond symbol in the Units box to activate the **Units Selection List** window. (25)
- Position this window in a convenient location to be easily accessed. (26)
- Highlight the appropriate row of the Unit Identifier to transfer the information to the **Chemical Analysis (Edit)** window. (27)
- Select File/Close in the **Units Selection List** window. (28)

(30)

(29)

Chemical Analysis Information List

Part Number: 312034-00

Part Description: MC2034, FIREARM SET

Cage Code: 14213

Requesting Cage Code: 14213

Chemical Analysis Identifier: 88H-2933-H78

Analysis Date: 29-Mar-1983

Production Weight Value: 3.350

UNITS: g

Chemical Analysis Comment: 1 EACH MC2037 RADIOACTIVE TUBE (G12431) AND TWO EACH MC2037 THERMAL SWITCHES ENVIRONMENTAL SENSING DEVICES REMOVED FROM TO SAMPLING. PART EXHIBITS TOXICITY CHARACTERISTIC FOR LEAD (Pb) AND CADMIUM (Cd)

Units Information List

Unit Types

UNIT Identifier	UNIT Description
g	gram
gm	gram
in	inch
mm	millimeter
ft	foot
yd	yard

Agencies

Cage Code	Agency Description

DATA Menu

File Acquisition Chemical Analysis Classification CBR

Description Documents Hazards Nomenclature Part Groups

Parts Persons Reports Validation Tables Weapon Systems

Search Cage Code File 14213

Go Cancel

### Chemical Analysis Comment

- Click in the Chemical Analysis Comment text box. Type supplementary information that is pertinent. Examples include additional disassembly procedures, data summary, and additional serial numbers, when multiple parts are combined to meet the weight required for the analysis procedure. (29)
- Select File/Add to transfer information to the Chemical Analyses Selection List window. (30)

(31)

Chemical Analysis / Constituent Group Assignment

Part Number: 312834-08  
Part Description: MC2834, FIRING SET  
Case Code: 14213  
Chemical Analysis Id: 88H-2523-H78  
Requesting Case Code: 14213

Constituent Group Name	Performing Case Code	Analysis Method Number	Sample Size	Average Weight	Units	Standard Deviation

Search Document

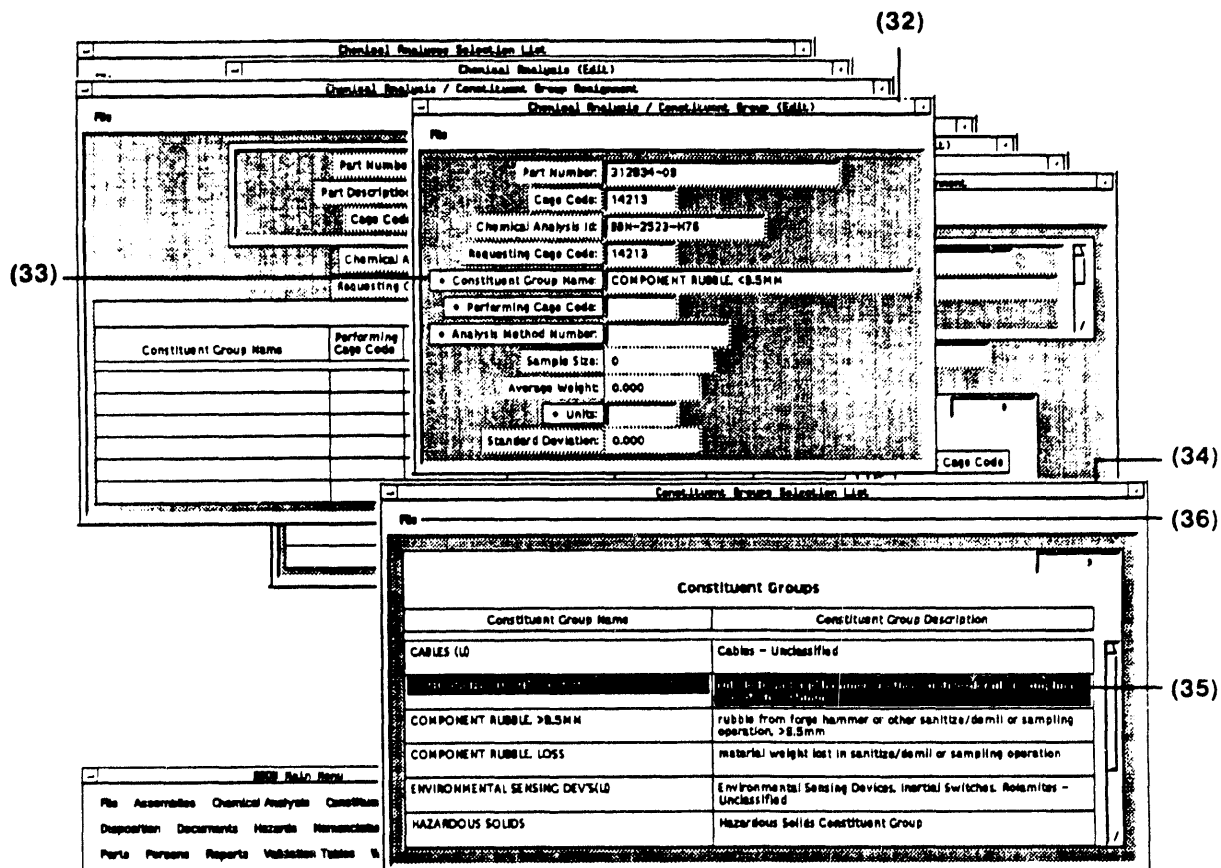
Current Case Code

RDB Main Menu

File Assemblies Chemical Analysis Constituent CSR  
Disposition Documents Hazards Nomenclature Part Groups  
Parts Persons Reports Validation Tables Weapon Systems

## Chemical Analysis/Constituent Group Assignment

- Activate the **Chemical Analysis/Constituent Group Assignment** window by clicking in the next step of the window arrangement. (31)

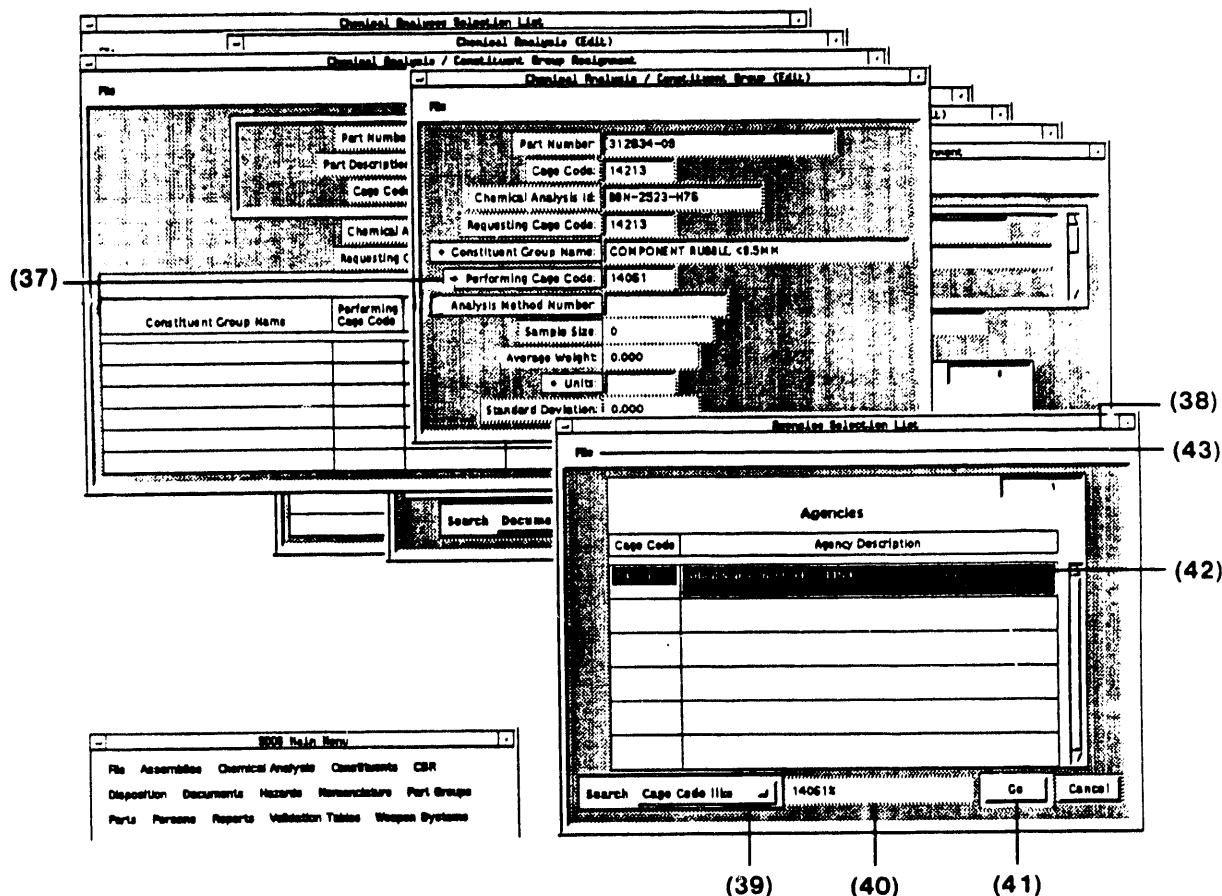


## Chemical Analysis/Constituent Group (Edit)

- Activate the **Chemical Analysis/Constituent Group (Edit)** window by clicking in the next step of the window arrangement. (32)

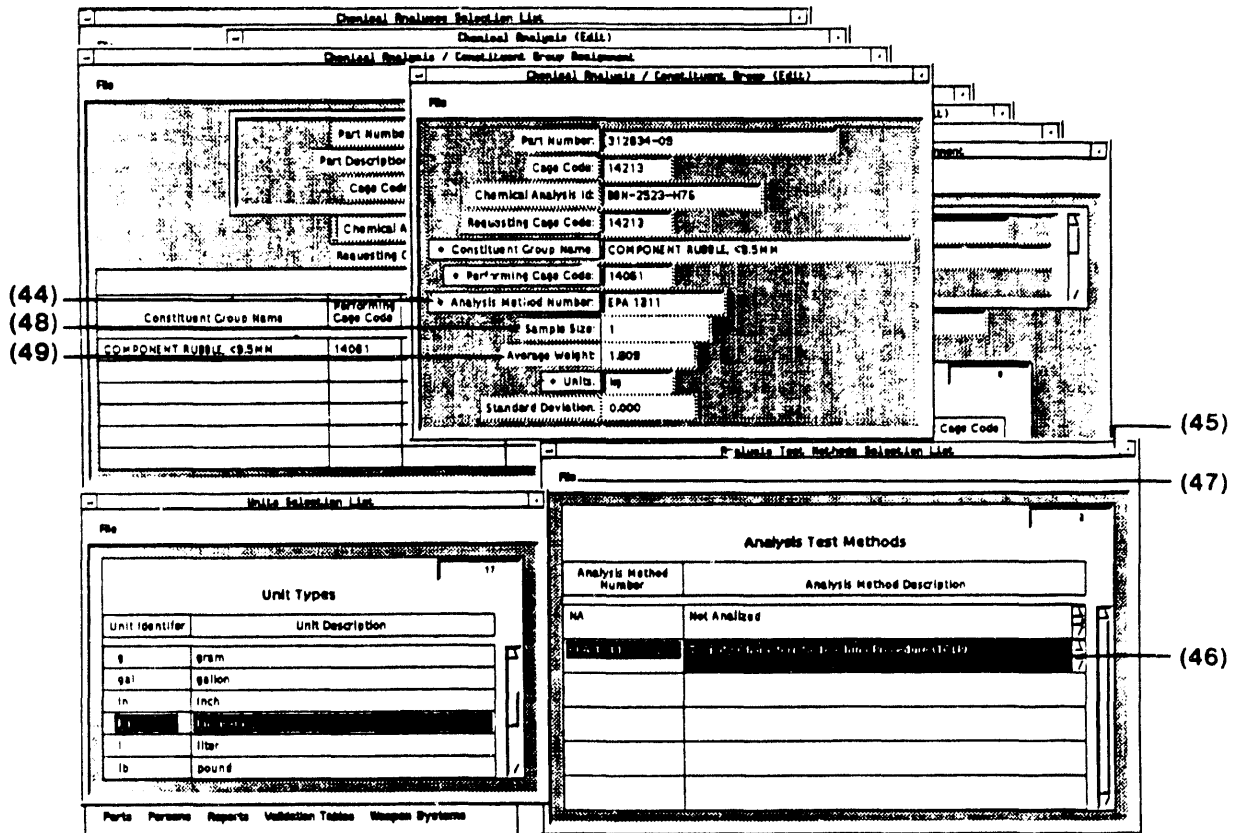
### Constituent Group Name

- Click on the diamond symbol in the Constituent Group Name box to activate the **Constituent Groups Selection List** window. (33)
- Position this window in a convenient location to be easily accessed. (34)
- Use the scroll bar at the right side of the window to move through the list.
- Highlight the appropriate row to transfer the information to the **Chemical Analysis/Constituent Group (Edit)** window. (35)
- Select File/Close in the **Constituent Groups Selection List** window. (36)



### Performing Cage Code

- Click on the diamond symbol in the Performing Cage Code box to activate the **Agencies Selection List** window. (37)
- Position this window in a convenient location to be easily accessed. (38)
- Select Cage Code Like/Cage Code Like to access the agencies list. (39)
- Type the cage code for the DOE agency that performed or contracted the chemical analysis. (40)
- Press the Return key or click Go in the window. (41)
- Highlight the appropriate row to transfer the code number to the **Chemical Analysis/Constituent Group (Edit)** window. (42)
- Select File/Close in the **Agencies Selection List** window. (43)



### Analysis Method Number

- Click on the diamond symbol in the Analysis Method Number box to activate the **Analysis Test Methods Selection List** window. (44)
- Position this window in a convenient location to be easily accessed. (45)
- Highlight the appropriate row to transfer the information to the **Chemical Analysis/ Constituent Group (Edit)** window. (46)
- Select File/Close in the **Analysis Test Methods Selection List** window. (47)

### Sample Size

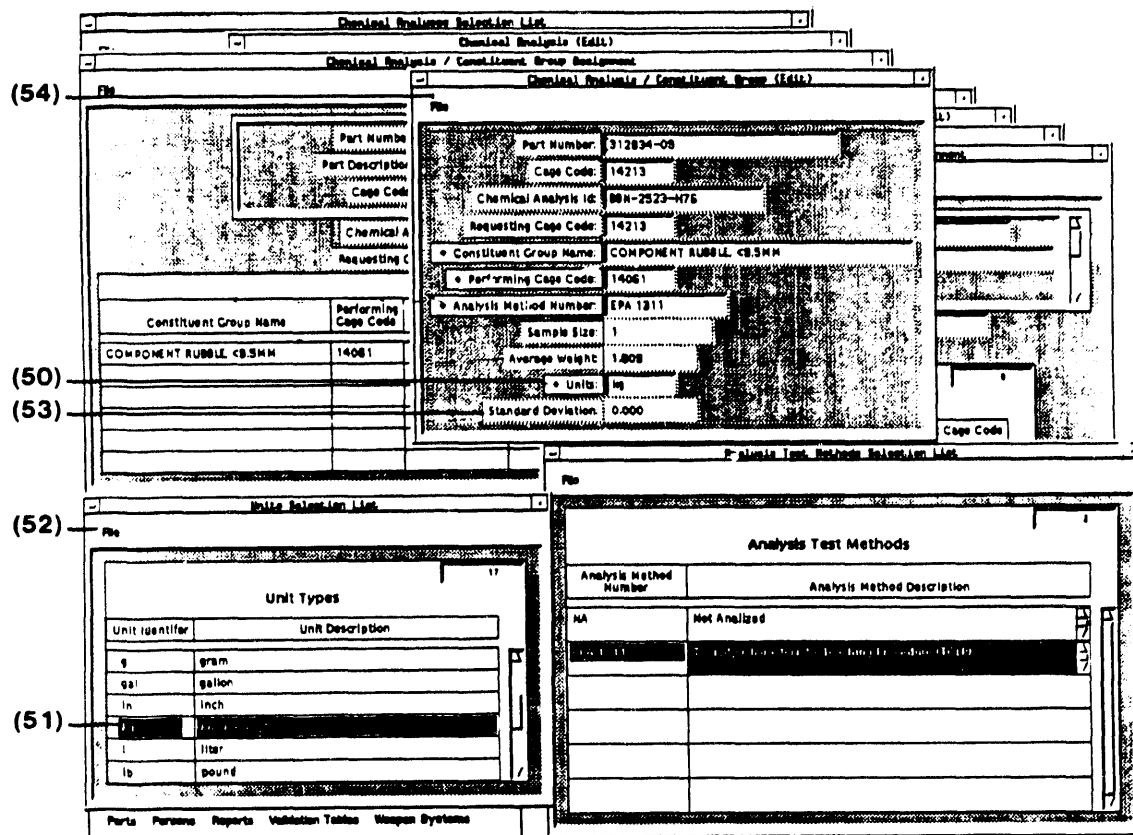
- Click in the Sample Size text box. Enter the number of parts necessary to meet the sampling requirements of the analysis method. (48)

### Average Weight

- Click in the Average Weight text box. Enter the weight of the constituent group analyzed. (49)

NOTE: If more than one part has been combined before sampling for chemical analysis, this entry is the combined constituent group weight divided by the sample size.





### Units

- Click on the diamond symbol in the Units text box to activate the **Units Selection List** window. (50)
- Use the scroll bar at the right side of the window to move through the list.
- Highlight the appropriate row to transfer the information to the **Chemical Analysis/ Constituent Group (Edit)** window. (51)
- Select File/Close in the **Units Selection List** window. (52)

### Standard Deviation

- Click in the Standard Deviation text box. Enter the standard deviation of the mean (average) value. The standard deviation remains zero unless sample size is greater than one. Refer to the Analytical Laboratory Report for these values. (53)
- Select File/Add in the **Chemical Analysis Constituent Group/Constituent Results (Edit)** window to transfer the information to the **Chemical Analysis/ Constituent Group Assignment** window. (54)

**NOTE:** Repeat Steps 33 through 54 for all constituent groups analyzed.

(55)

Chemical Analysis / Constituent Group Assignment

File

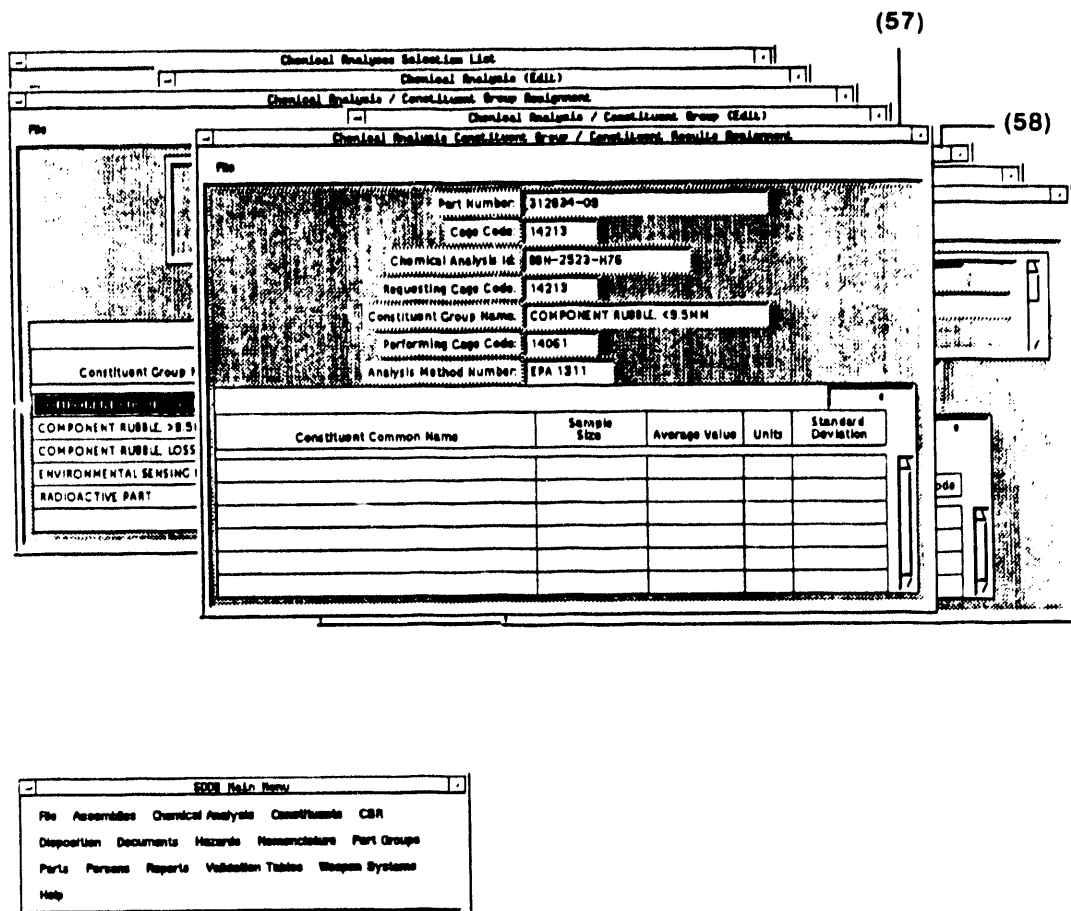
Part Number: 312834-09  
Part Description: MC2534, FIRING SET  
Cage Code: 14213

Chemical Analysis Id: BBN-2523-H76  
Requesting Cage Code: 14213

Constituent Group Name	Performing Cage Code	Analysis Method Number	Sample Size	Average Weight	Units	Standard Deviation
COMPONENT RUBBLE, <9.5MM	14061	EPA 1311	1	1.608	kg	0.000
COMPONENT RUBBLE, >9.5MM	14213	NA	1	0.722	kg	0.000
COMPONENT RUBBLE, LOSS	14213	NA	1	0.062	kg	0.000
ENVIRONMENTAL SENSING DEV'S(U)	14061	EPA 1311	2	0.450	kg	0.001
RADIOACTIVE PART	14213	NA	1	0.005	kg	0.000

(56)

- Activate the **Chemical Analysis /Constituent Group Assignment** window by clicking in the previous step of the window arrangement. (55)
- Highlight the appropriate row to transfer the constituent group, for which results are to be entered, to the **Constituent Group/Constituent Results Assignment** window. (56)

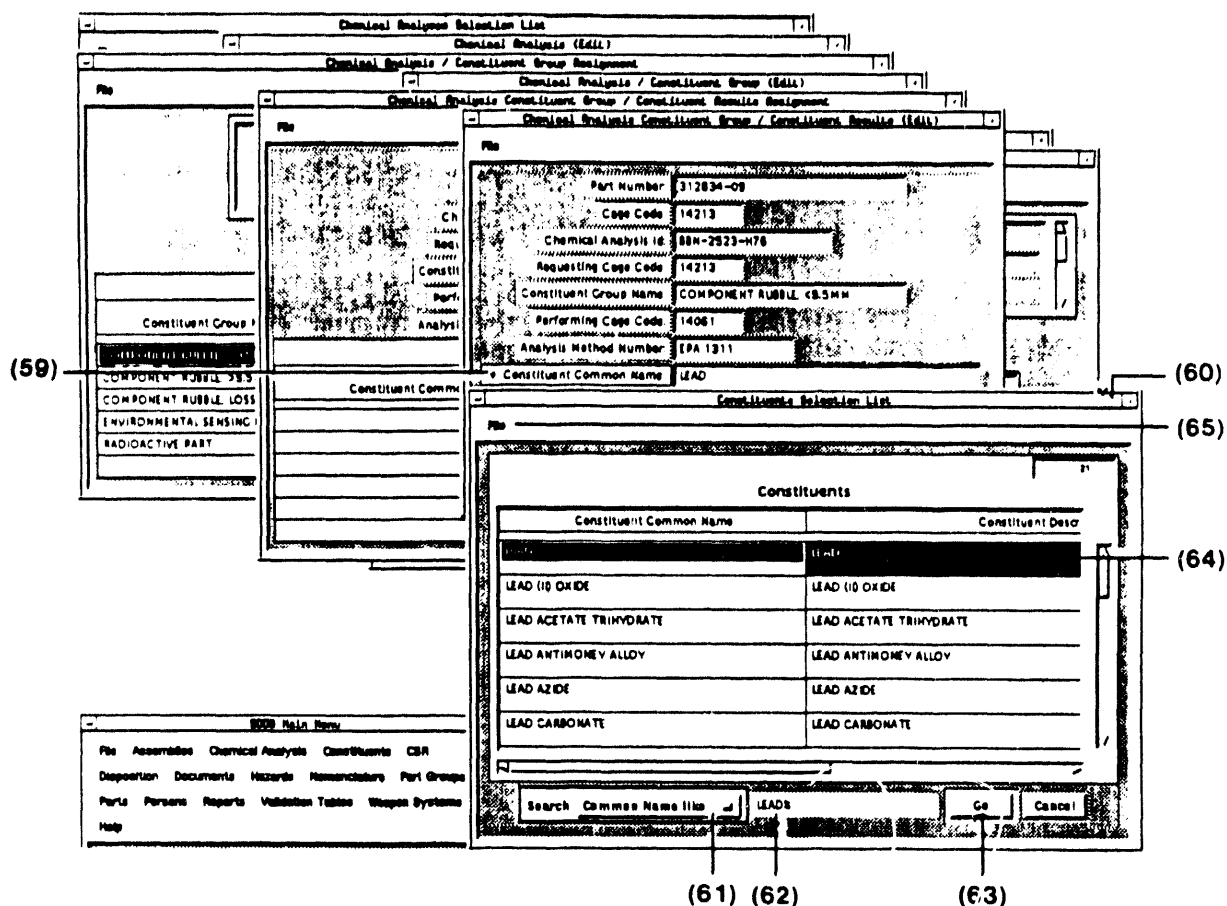


## Chemical Analysis Constituent Group/Constituent Results Assignment

- Activate the **Chemical Analysis Constituent Group/Constituent Results Assignment** window by clicking in the second next step of the window arrangement. (57)

## Chemical Analysis Constituents Group/Constituent Results (Edit)

- Activate the **Chemical Analysis Constituents Group/Constituent Results (Edit)** window by clicking in the next step of the window arrangement. (58)



### Constituent Common Name

- Click on the diamond symbol in the Constituent Common Name box to activate the **Constituents Selection List** window. (59)
- Position this window in a convenient location to be easily accessed. (60)
- Select Common Name Like/Common Name Like in the **Constituents Selection List** window to display a text box. (61)
- Type the analyzed constituent common name (chemical name). (62)
- Press the Return key or click the Go button. A constituent list in the **Constituents Selection List** window is displayed. (63)
- Use the scroll bar on the right side of the window to move through the list.
- Highlight the appropriate row to transfer the information to the **Chemical Analysis Constituent Group/Constituent Results (Edit)** window. (64)
- Select File/Close in the **Constituents Selection List** window. (65)

**WARNING:** When working in an UNCLASSIFIED database, verify that the information will not inadvertently classify the database.

- Click on the diamond symbol in the Units box to activate the Units Selection List window. (68)
- Position this window in a convenient location to be easily accessed. (69)
- Use the scroll bar at the right side of the window to move through the list.
- Highlight the row of the appropriate Unit Description to transfer the information to the Chemical Analysis Constituent Group/Constituent Results (Edit) window. (70)
- Select File/Close in the Units Selection List window. (71)

### Units

- Click in the Average Value text box. Enter a numerical value for the mean (average) constituent analysis. Refer to the Analytical Laboratory Report for these constituent values. (67)

### Average Value

- Click in the Sample Size text box. Enter the number of samples analyzed for the constituents group. For example, if Quality Assurance requirements specify duplicate samples, enter 2. (66)

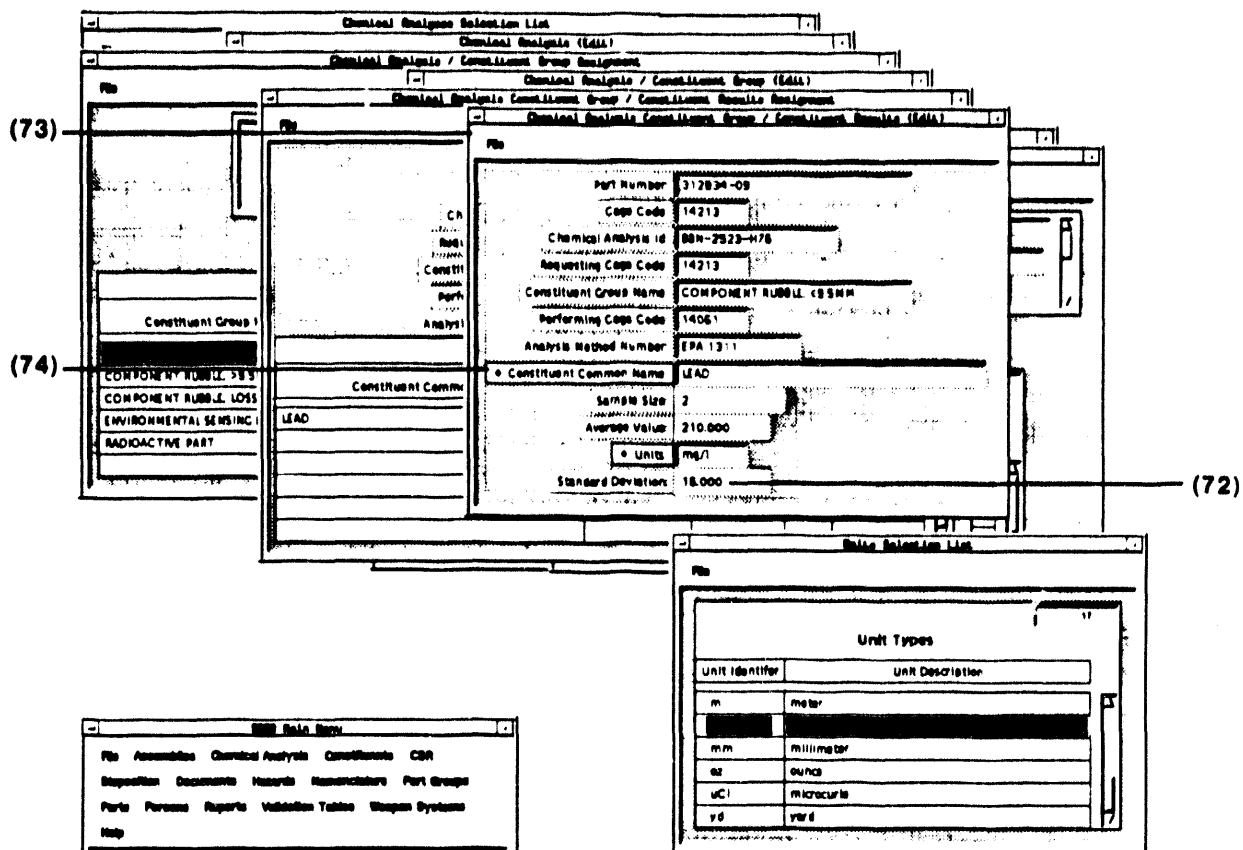
### Sample Size

The screenshot shows the 'Chemical Analysis Constituent Group/Constituent Results (Edit)' window. Callouts point to the following elements:

- (66) Sample Size text box
- (67) Average Value text box
- (68) Units Selection List window (opened from the Units box)
- (69) Units Selection List window (positioned for access)
- (70) Unit Description list in the Units Selection List window
- (71) File/Close menu option in the Units Selection List window

The main window contains the following fields and sections:

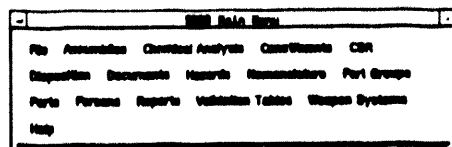
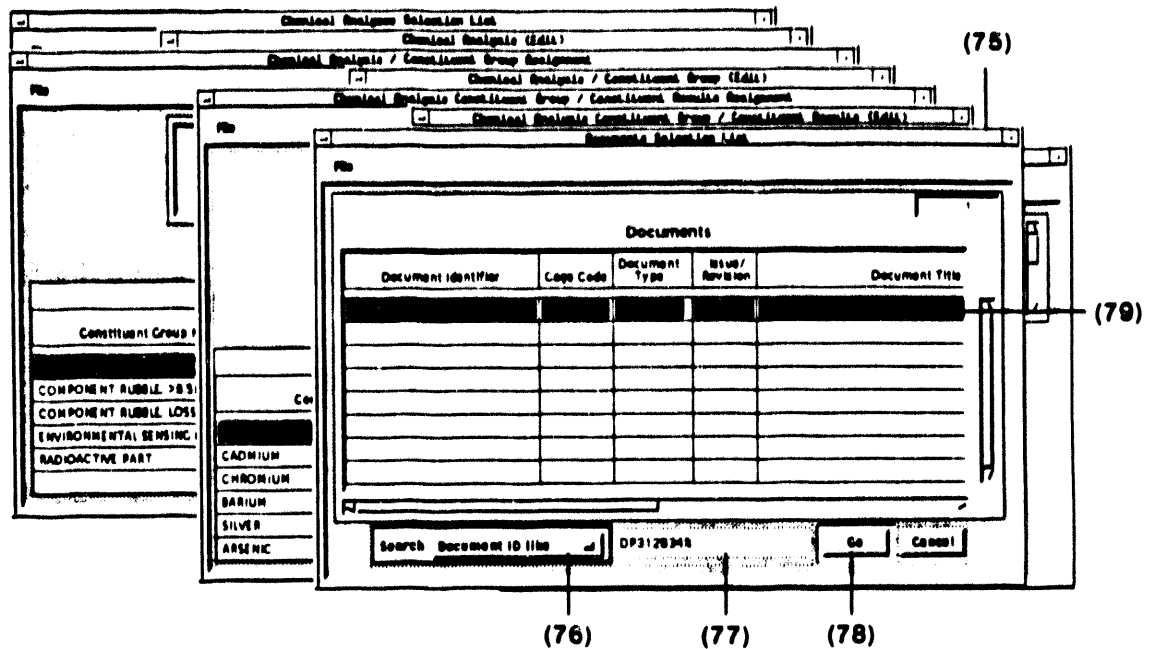
- Header:** Part Number (31284-05), Cap Code (14213), Chemical Analysis ID (88N-2523-WTS), Requesting Cap Code (14213), Constituent Group Name (COMPONENT SUBST. CSNM), Performing Cap Code (14061), Analysis Method Number (SPA 121), Constituent Common Name (LEAD), Sample Size (2), Average Value (210.000), Standard Deviation (18.000).
- Left Panel:** Constituent Group (LEAD), Constituent Common Name (LEAD), Analytical Results (LEAD), Component Subst. CSNM (LEAD), Component Subst. Loss (LEAD), Component Subst. Loss (LEAD), Component Subst. Loss (LEAD), Component Subst. Loss (LEAD).
- Right Panel:** Constituent Group (LEAD), Constituent Common Name (LEAD), Analytical Results (LEAD), Component Subst. CSNM (LEAD), Component Subst. Loss (LEAD), Component Subst. Loss (LEAD), Component Subst. Loss (LEAD), Component Subst. Loss (LEAD).



#### Standard Deviation

- Click in the Standard Deviation text box. Enter the standard deviation of the mean (average) value. The standard deviation remains zero unless sample size is greater than one. Refer to the Analytical Laboratory Report for these values. (72)
- Select File/Add to transfer the information to the **Chemical Analysis/Constituent Results Assignment** window. (73)
- Repeat Steps 59 through 73 for each constituent determined for the selected constituent group. (74)

**NOTE:** Repeat Steps 55 through 74 to enter results for other constituent groups.



## Documents

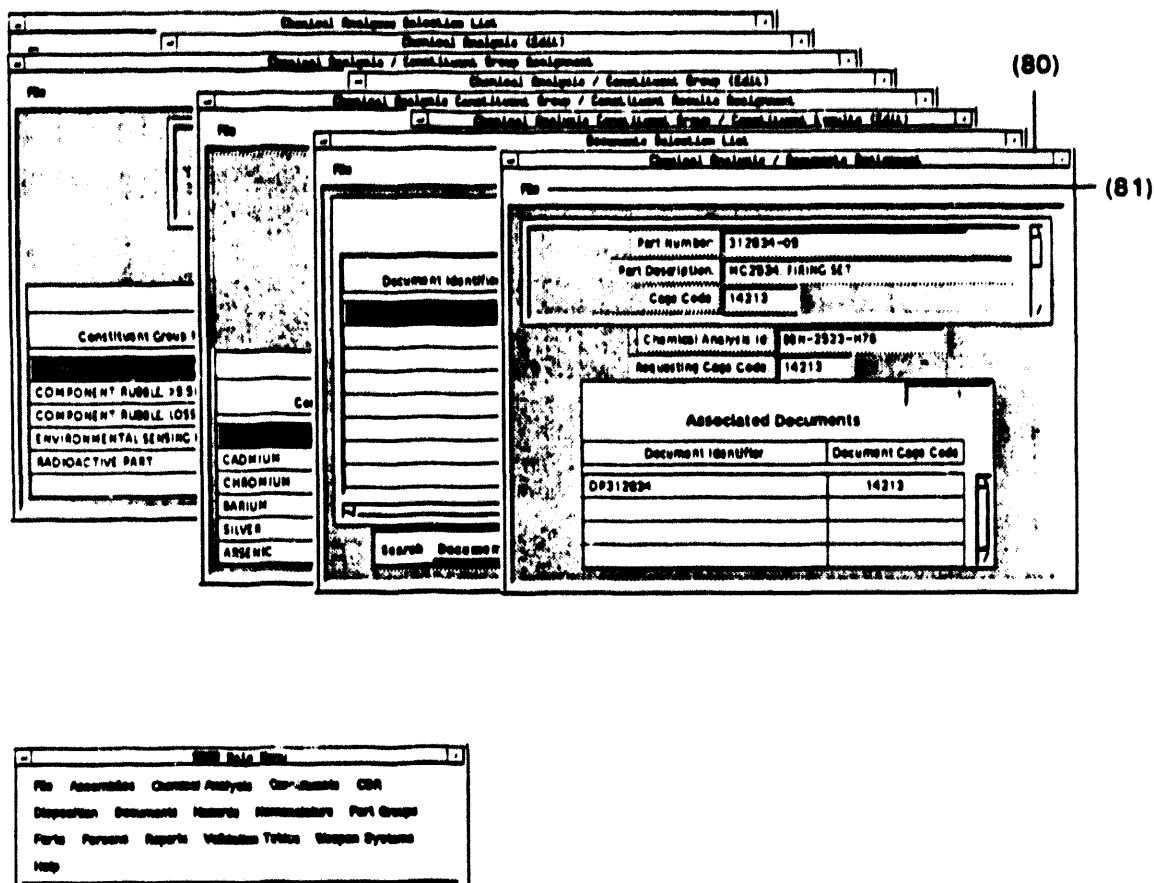
- Activate the **Documents Selection List** window by clicking in the next step of the window arrangement. (75)

**NOTE:** This is a list of all documents in the database. Add all documents that have provided characterization data to this section. Fill in all information blocks. This input requires activity in several documents windows.

- Select Document ID Like/Document ID Like to display a text box. (76)

**CAUTION:** A document will not appear in the Document Identifier list until it is searched for the first time, even though it may be in the database.

- Type Document Identifier/Drawing Number from the document package. (77)
- Press the Return key or click the Go button in the window. (78)
- If the number is found, highlight the appropriate row. (79)
- If the number is not found, click OK. Add the document to the selection list by following Steps 80 through 101 in the Complex Part Procedures.



## Chemical Analysis/Documents Assignment

- Activate the **Chemical Analysis/Documents Assignment** window by clicking in the next step of the window arrangement. (80)
- Select **File/Add** to assign the document highlighted in the **Documents Selection List** window to the part being characterized. The document will be listed in the Supporting Documents list of the **Chemical Analysis/Documents Assignment** window. (81)

Repeat Steps 76 through 81 as many times as necessary to list all documents that provided characterization data.



**ALLIED SIGNAL, KANSAS CITY DIVISION  
ANALYTICAL SCIENCES DEPARTMENT 838**

**ANALYTICAL REPORT FOR SANDIA NATIONAL LABORATORIES  
CONTRACT NUMBER AC-8370  
TCLP: CHAIN OF CUSTODY RECORD NUMBER 5851**

# Inorganic TCLP Analysis Data Sheet

Sample ID AS2534-3  
-----

Analyte	Wavelength (nm)	Concentration (ppm)	IDL (mg/L)
-----	-----	-----	-----
Silver (Ag)	3280	ND	0.060
Chromium (Cr)	2055	ND	0.010
Selenium (Se)	1960	ND	0.150
Mercury (Hg)	1849	ND	0.200
Lead (Pb)	2203	198.6	0.060
Cadmium (Cd)	2288	8.30	0.012
Barium (Ba)	4934	9.3	0.002
Arsenic (As)	1936	ND	0.060

ND = Not Detected

IDL = Instrument Detection Limit determined  
per ILM02.0, Exhibit E-23

# Inorganic TCLP Analysis Data Sheet

Sample ID AS2534-4

Analyte	Wavelength (nm)	Concentration (ppm)	IDL (mg/L)
Silver (Ag)	3280	ND	0.060
Chromium (Cr)	2055	ND	0.010
Selenium (Se)	1960	ND	0.150
Mercury (Hg)	1849	ND	0.200
Lead (Pb)	2203	222.0	0.060
Cadmium (Cd)	2288	4.05	0.012
Barium (Ba)	4934	8.25	0.002
Arsenic (As)	1936	ND	0.060

ND = Not Detected

IDL = Instrument Detection Limit determined  
per ILM02.0, Exhibit E-23

## Part Summary Reports

The Part Summary Report is the most common form of output from the database. It summarizes the characterization entries for each part number.

- Select Reports and Summary Reports ... from the SDDB Main Menu to activate the **Parts Summary Reports** window.

## Part Report

To obtain a hard copy report for a single part number, follow the procedures below.

- Select Part Report/Part Report to display selection fields.
- Click on the diamond symbol in the Part Number box to activate the **Parts Selection List** window.
- Search for the desired part number and highlight the appropriate row to transfer the part number and the cage code to the **Part Summary Reports** window.
- Press the Return key or click the Go button in the **Part Summary Reports** window to send the report information to a printer.

## Part Group Report

To obtain multiple hard copy reports for all parts assigned to a particular part group and weapon program, follow the procedures below.

- Select Part Report/Part Group Report to display selection fields.
- Click on the diamond symbol in the Part Group Identifier box to activate the **Part Groups Selection List** window.
- Use the scroll bar at the right side of the window to move through the list of part groups.
- Highlight the appropriate row to transfer the information to the **Part Summary Reports** window.
- Click on the diamond symbol in the Weapon Program box to activate the **Weapon Nomenclature** window.
- Search for and highlight the desired row to transfer the information to the **Part Summary Reports** window.
- Click Abbreviated or Multi-Page in the Weapon System Report Type box.
- Press the Return key or click the Go button. The Prompt PopUp shows the number of parts and number of pages included in this category.
- Click OK or Cancel.

## Weapon System Report

To obtain multiple hard copy reports for all parts assigned to a particular weapon program, follow the procedures below.

- Click on the diamond symbol in the Weapon Program box to activate the **Weapon Nomenclature** window.
- Search for and highlight the appropriate row to transfer the information to the **Part Summary Reports** window.

- Click Abbreviated or Multi-Page in the Weapon System Report Type box.
- Press the Return key or click the Go button. The Prompt PopUp shows the number of parts and number of pages in this category.
- Click OK or cancel.

Other forms of reports can be requested from the SDDB software programmers.

The Part Summary report for Part Number 166425-00 is provided. The callouts correspond to the steps in Example 1 for Characterization/Data Entry of Simple Parts. The corresponding callouts should help to link the data entered in the various windows with the output placement in this form of report.

Part Summary for Part Number: 166425-00, 14213, BRACKET,ANGLE

Classification Code: UNC  
 Wpn Assoc Classification: UNC — (106) (119)  
 Pa Cage Code: 14061 — (113) (119)  
 Da Cage Code: 14213 — (110) (119)  
 Source Cage Code:

Part Group Id	Disposition Method Id	Effectivity Date	Characterization Requirements
MECHANICAL HARDWARE (U)	LANDFILL	05-jan-1993	CONSTITUENT MATERIALS DISPOSITION INSTRUCTIONS PART GROUPS SUPPORTING DOCUMENTS WASTE MINIMIZATION
(14) (15)	N/A	05-jan-1993	
	RECYCLE	10-apr-1993	
RDI	N/A	05-jan-1993	PART GROUPS
Cert Flag	Comments/Instructions		
Y	NONE — (94) (95)		

Constituents Associated with Part Number: 166425-00, 14213, BRACKET,ANGLE

Certification Flag: Y  
 Constituent Common Name: ALUMINUM — (33) (40)  
 Constituent Type Code: C  
 Value Source Code: Designed  
 CAS Number: 0000742-99-0  
 Constituent Quantity: 0.000  
 Constituent Description: ALUMINUM  
 Constituent Location Nbr: 0  
 Constituent Location:  
 Part Constituent Comment: 6061-T6 PER QQ-A-270 ANODIZED PER MIL-A-8625, TYPE I OR II — (39) (40)

## Hazards Associated with Part Number: 166425-00, 14213, BRACKET,ANGLE

Cert Flag	Hazard Code		Hazard Loc Nbr	Hazard Derived	Hazard Location
Y	REVIEWED	(20) thru (25)	0	N/A	

(88) (90) — Documents Used for Characterization of Part Number: 166425-00, 14213, BRACKET,ANGLE

Document Id	Cage Code	Document Issue Revision	Document Title	Document Type Code	Document Classification Code	Effectivity Date	Ineffectivity Date
166425	14213	E	BRACKET,ANGLE	ML/AY	UNC	27-dec-1961	

## Information Associated with Part Number: 166425-00, 14213, BRACKET,ANGLE

Cert Flag	Disassembly Comment/Instructions
Y	NONE — (100) (101)

-----

Cert Flag	Demil Comment/Instructions
	NONE — (45) (46)

-----

Cert Flag	Sanitization Comment/Instructions
	NONE — (51) (52)

-----

Cert Flag

Disposition Comment Instructions

RECYCLE—— (57) (58)



## **APPENDIX A**

### **Demilitarization and Sanitization for Disposition (DSD) General Guidance Manual**

**DEMILITARIZATION AND SANITIZATION  
FOR  
DISPOSITION (DSD) GENERAL GUIDANCE  
MANUAL**



Part Nomenclature	Demilitarization	Sanitization	Render Safe	Method
Actuators/Switches	YES	NO/YES	YES	Fire or explosive disposal (Bore Use Control Items may require sanitization.)
AFLE Systems (RLE)	YES	YES	YES	Fire/Remove explosive; Crush, cut, shred, etc. for sanitization
Antenna	YES	YES	NO	Crush, cut, shred, etc. to destroy information revealing frequency of operation or HOB.
Boost	YES	YES	YES	TBD
Cables	NO	NO	NO	None (Unless Red handling policy used)
Cases, Outer, Aerodynamic, Environmental, Bomb, Warhead	NO	NO/YES	NO	None (Remove Red parts if appropriate; Crush, cut, shred, etc. if classified)
Cases, RB	YES	YES	NO	Crush, shred, melt to destroy core angle & base diameter
Cases - Y12	YES	YES	--	Shred - Y12
Connectors	NO	NO/YES	NO	None (Unless Red handling policy used, then sanitization required)
Contact Fuses	YES	NO	NO	Crush, cut, shred, etc.
CSA	YES	YES	YES	Y12 will dispose/reclaim
Cutters	YES	NO	YES	Fire or explosive disposal
Depth Sensor	NO	NO/YES	NO	None (If depth of operate information is not revealed)
Detonators and Cable Assemblies	YES	YES	YES	Fire - Shred cables/crush header or explosive disposed (protect & info)
Environmental Sensing Devices	NO	NO	NO	None (If "g" sensing type devices)
Explosives, HE	YES	YES	YES	Burn or reclaim
Explosives, Sensitive	YES	YES	YES	Burn
Filter Pack	NO	NO	NO	None
Fire	NO	NO	NO	None
Fuel	YES	YES	NO/YES	Destroy X-Unit & related circuits & PAL if applicable; Fire/Remove explosive; Remove red
Foams, cushions, compression pads, desiccants, plastics, etc.	NO	NO/YES	NO	None (Shred, melt, or burn if show classified contents or shock mitigation info.)
Impact Fuzes	NO	NO	NO	None
Inert Explosives	NO	YES	NO	Burn or reclaim
Inserts	YES	YES	NO	Crush, shred, or melt
Interconnect/Control/Junction Box	NO	NO/YES	NO	None (Crush, cut, shred, etc. if classified)
Mechanical Hardware (O-ring, brackets, bolts, cover plates, rings, etc.)	NO	NO	NO	None (Part Identifier removed if association makes classified)
Nose (Non-radar)	NO	NO	NO	None
Nose Tip, RB	YES	YES	NO	Crush, shred to destroy nose radius
Neutron Generator, Electronic	YES	YES	YES	Crush (Remove red tube?)
Neutron Generator, Explosive	YES	YES	YES	Fire (mixed waste) or liner drive to explosive disposals due to red waste
Parachute	YES	NO	NO	Crush
PI	--	--	--	Store
Payload Controller	NO	NO/YES	YES	Fire/Remove battery if appropriate; Crush, cut, shred, etc. if classified.
Programmer, Bomb	NO	NO	NO	None
Programmer, RB	YES	YES	NO	Destroy classified circuitry (i.e. fuz, devices (casing & PROMS, etc.)
Pullout Switch	NO	NO/YES	YES	Fire/Remove battery if appropriate; Crush, cut, shred, etc. if classified.
Radar	YES	YES	NO	Destroy Signal Processing/Cryptologic/Intelligence sections

This table lists general requirements. Each individual component must be examined to determine if demilitarization/render safe procedures are required. Individual components within the listed part groups may have different requirements.

## Demilitarization/Sanitization Table

1/5/93

Part Nomenclature	Demilitarization	Sanitization	Render Safe	Method
Reservoir	YES	YES	YES	Bury (Remove rad material if appropriate)
RTG	YES	NO	YES	TBD
Sequencer	NO	NO	NO/YES	None (Fire/Remove explosives if appropriate)
Shields	YES	YES	NO	Shred
Signal Generators	NO	NO	NO	None
Smoke Generators (JTA)	NO	NO	YES	Fire or Burn
Sock	YES	YES	—	Shred/Bury
Sph Rockets, gas generators	YES	NO	YES	Fire or Burn
Stowlink Switches	NO	NO	NO	None
Switch Packs	YES	NO	YES	Fire
Tail	NO	NO	NO	None
Thermal Battery	YES	NO	YES	Fire
Tie	YES	YES	—	Burn
Timers	NO	NO	NO/YES	None (Fire/Remove explosives if appropriate)
Use Control, PAL, CD Hardware	YES	YES	YES	Expand, crush, shred, bury as appropriate
Valve Hardware	NO	NO/YES	NO/YES	None (Crush, cut, shred, etc. if classified. Fire/Remove actuators if appropriate.)

This table lists general requirements. Each individual component must be examined to determine if demil/sanitization/render safe procedures are required. Individual components within the listed part groups may have different requirements.

**APPENDIX B**  
**Cage Codes for NWC Sites**

**NWC EXCHANGE FORMAT FOR  
DISMANTLEMENT DATA**

**Cage Codes for NWC Sites**

<u>Cage Code</u>	<u>Site</u>
14061	Allied Signal, Kansas City Division
14064	Pinellas Plant, MMSC-Martin Marietta Special Components
88516	Los Alamos National Laboratory, University of California
14067	Lawrence Livermore National laboratory, University of California
14065	Mound, EG&G
14911	Pantex, Mason & Hanger-Silas Mason
14062	Rocky Flats, EG&G
14213	Sandia National Laboratories, New Mexico
14214	Sandia National Laboratories, California
14063	Savannah River
88930	Y-12, Martin Marietta Energy Systems

**APPENDIX C**  
**Field Help**  
**Frame Help**

## Field Help

The Stockpile Dismantlement Database is comprised of the following fields, click on one to obtain more information about it:

Agency/Company	Classification Description
Agency Description	Component Number
Alt	Component Type
Analysis Date	Component Type Description
Analysis Method Description	Constituent Common Name
Analysis Method Number	Constituent Description
Average Weight/Value	Constituent Group Description
Base Part Number	Constituent Group Name
Cage Code	Constituent Identifier
CAS Number	Constituent Location
Certification Date	Constituent Location Number
Certification Flag	Constituent Quantity
Certification User Name	Constituent Type Code
Characterization Comment	CSR Description
Characterization Requirements Description	Date
Characterization Requirements Name	Date Noted
Characterization Status	Demilitarization Instructions
Chemical Analysis Comment	Derived Flag
Chemical Analysis Identifier	Design Agency Cage Code
Classification Code (Part)	Disassembly Procedures
	Disposition Descriptions

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**Quit Help System**



Disposition Process Description

Disposition Process Identifier

Document Cage Code

Document Classification

Document Identifier

Document Title

Document Type

Document Type Description

Effectivity Date

First Name

Hazard Code

Hazard Description

Hazard Location

Hazard Type Code

Hazard Type Description

Height Value

Ineffectivity Date

Issue/Revision

Last Name

Last Update User Name

Length Value

Location Number-Constituent

Login Name

Lower Level Cage Code (See  
Cage Code)

Lower Level Part Description  
(See Part Description)

Lower Level Part Number

Middle Initial

Mod

Nomenclature

Organization

Originating Person Name

Other Identifier(s)

Part Cage Code

Part Comments

Part Constituent Comment

Part Description

Part Group Description

Part Group Identifier

Part Number

Performing Cage Code

Phone

Production Agency Cage  
Code

Production Weight

Program Identifier

Quality Source

Requesting Cage Code

Sample Size

Sanitization Instructions

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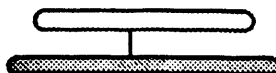


**Qult Help System**

Standard Deviation  
Source Agency Cage Code  
Source Agency Description  
(See Agency Description)  
SSN  
Suffix  
Type Code  
Type Code Description  
Type Code Usage  
Unit Description  
Units/Unit Identifier  
Upper Level Cage Code (See  
Cage Code)  
Upper Level Part Description  
(See Part Description)  
Upper Level Part Number  
Usage  
Value Source [Code]  
Value Source Description  
Weapon Program  
Weight Value  
Weapon Association Classifi-  
cation  
Width Value

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**Qult Help System**

### Agency/Company 5 character Cage Code

The combination of a company and a site is the distinct corporate entity identified by the five character Cage Code. The company and site may or may not be part of the NWC complex. Examples of entities identified by a Cage Code include Sandia New Mexico, Sandia California, Los Alamos, MMSC Pinellas, Boeing Seattle, and Boeing Reston. A company/site entity can play one or more of three roles with respect to a part the design agency, the production agency (which may actually produce or simply be responsible for acquiring the part), and the Source agency or Production Agency. In most cases the production agency is also the source agency of a part.

(See also Cage Code)

### Agency Description 80 Characters

The name and address of an agency. Examples of agencies include Sandia-Albuquerque, Sandia-Livermore, Los Alamos, MMSC Pinellas, Boeing Seattle, and Boeing Reston.

### Alt 3 Characters

The nomenclature for a weapon includes the alt or "alteration number" which is integer number.

Examples: 001  
002  
003

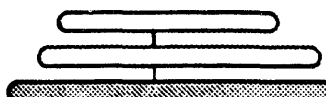
### Analysis Date

The date when a chemical analysis was performed.

(See also Date)

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Quit Help System

### **Analysis Method Description**

This field describes the analysis method performed.

### **Analysis Method Number 10 digits**

This is an additional identifier for a chemical test as performed several times for a part with a unique serial number. This number will be a sequence number.

Examples: 1, 2, 3

### **Average Weight/Value real**

The chemical analysis results for a part will record average weights for various part groups defined for that analysis. This field will record that result.

Examples: 0.05  
5.6E 04

### **Base Part Number 7 digits**

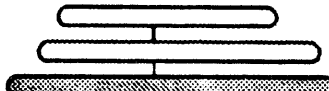
This field only applies for NWC drawings and parts. It is the six digit base number that is embedded in the current identifiers. It is also embedded in both the part number and the document identifier (document identifier), but it is included as a separate field for easier access.

### **Cage Code 5 characters**

The code used to identify any company or agency which does business with the government.

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**Quit Help System**

### CAS Number 20 characters

The Chemical Abstract Society assigns a unique number or code for a chemical and its description. This number is being used in many electronic information systems for a standard chemical identifier and is the identifier chosen for the exchange format.

Examples: 100005  
100107

### Certification Date

This is the date that the data was certified or reviewed.  
(See also Date)

### Certification Flag 1 character

The code to indicate the QA/QC process status for official review of the corresponding field shown in the current frame. When certified (flag = Y), the data is locked and can not be modified.

Examples: Y - Certifier agrees with the data  
N - Certifier disagrees with the data  
Null or blank - Data has not been reviewed by the certifier  
P - Certifier passed the data without Y/N review

### Certification User Name

The name of the user that certified the data. The name is selected from the Person table.

### Characterization Comment 20 characters

The comment field allows information about assignment or other pertinent status tracking information.

Examples: 14061, Smith

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**Characterization Requirements Description variable length (= to or less than 200)**

This field gives a more definitive association of the information gathered in performing the step-by-step processes of characterizing each part.

**Characterization Requirements Name 40 characters**

Identifies one of the processes used to characterize a part.

**Characterization Status 3 characters**

The status field allows codes for tracking current status of CCD-team characterization for each part. This field should be set for any part of interest in the disposition tree, RDI list, or other list of priority parts.

Examples: C (for complete)  
N (for not started)

**Chemical Analysis Comment variable length text**

A chemical analysis may include descriptive text in this field. The complete plan for an analysis will be in a separate document and referenced only.

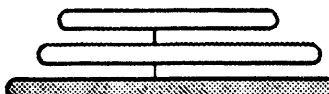
**Chemical Analysis Identifier 15 characters**

The chemical anal id is the unique identifier for the chemical analysis test performed on a specific part. This identifier will appear on the test results document. When combined with the laboratory's identifier, it can serve as a key.

Examples: T520A  
1298993  
CLP77294

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**Qult Help System**

### Classification Code 5 characters

This is a common set of classification codes widely used throughout the NWC. The same set of classification codes apply to parts, documents/drawings, and drawing titles. (Note: All document titles should now be unclassified, but this was not always the case.) Some agencies use a single character classification code, but these codes can be mapped into the following standard set.

Examples: U  
C  
S  
CRD  
CFRD  
SRD  
SFRD

### Classification Description 40 Characters

Defines the Classification code, i.e., U is Unclassified, C is classified, etc...

### Component Number 4 Characters

The component nomenclature consists of a type code followed by the 4 character component number.

Examples: 1108 (for MC1108)  
1262 (for MC1262)

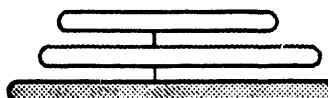
### Component Type Code 4 characters

This type code is an alphabetic prefix to a number. The combination of code and number is the design agency nomenclature for a part.

Examples: MC4565  
SA1290A

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**Quit Help System**

### **Component Type Description 40 Characters**

This description defines the alphabetic prefix of the component type code.

Examples: Major Component (for MC)

### **Constituent Common Name 40 characters**

This field identifies one of the constituent materials within a part. It will use CAS (Chemical Abstract) codes, a set of industry standard codes. However, there will be the option for an additional comment if the constituent material is not included in the CAS codes.

### **Constituent Description 120 characters**

The chemical or constituent has a long formal name which will be defined for the exchange format as the constituent description.

Examples: Benzoic Acid, 4 methoxy p anisic acid  
Phenol, 4 NITRO PHENOL

### **Constituent Group Description 80 characters**

This field gives a descriptive definition for each constituent group name, used in chemical analysis summaries.

### **Constituent Group Name 30 characters**

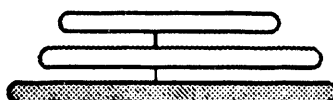
To start chemical constituents into logical groups for chemical analysis results meaningful to waste management, group ID's are used.

### **Constituent Identifier numeric: generated key**

Each constituent has a unique numeric identifier that is a generated (assigned) sequence number in the database. Where possible, a standard CAS number is obtained, also.

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**Constituent Location variable length text (= 10 or less than 200)**

The constituent location normally references a document that points out a location or area within the part where this constituent may be found. Text may also be included to describe the scope or location.

**Constituent Location Number numeric**

Each location of a particular constituent within one part is assigned a sequence number or reference number.

**Constituent Quantity real**

The quantity of constituent material is recorded as a real or floating point numeric value.

Examples: 4.0  
0.95  
0.6E 03

**Constituent Type Code**

The type code delineates, those chemical constituents from a standard list, with CAS number (C), or those materials added as used in manufacturing but with unknown CAS numbers (m).

**CSR Description**

An explanation of the problem or desired enhancement of the database or application.

**Date 10 characters (MM/DD/YYYY)**

The date will appear in many specific fields, such as the document effective date. In all cases, the format is as specified above.

Examples: 01/03/1948  
06/06/1992

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**Quit Help System**

**Date Noted**

Date the customer service request was made.

(See also Date)

**Demilitarization Instructions variable length text  
(= to or less than 400)**

This comment can explain any declassification or demilitarization that needs to be done.

**Derived Flag 1 character**

This is a field to allow characterization of parts at various levels of the assembly. The values are R = real and D = derived. A part would have an "R" flag value only if the hazard information characterization were done at the current level on the assembly "tree". Other assembly levels will have the flag value as D (derived by the knowledge from lower levels).

**Design Agency Cage Code 5 characters (see  
Cage Code and Agency/Company)**

The cage code which identifies the design agency.

**Disassembly Procedures variable length text (= to or less than 400)**

This field can contain any disassembly comments about the part.

**Disposition Descriptions variable length text (= to or less than 400)**

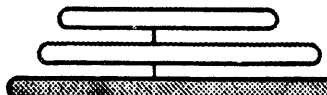
This field can contain any disposition comments about the part.

**Disposition Process Description variable length text (= to or less than 200)**

This field describes the disposition process.

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**Quit Help System**

**Disposition Process Identifier 30 characters**

This is the disposition process (disposal, recycle, demil, sanitize, render safe) for all sites, or specific to each agency.

Examples: Burn, Reclaim, Cut, Fire/Expend

**Document Cage Code 5 characters**

The cage code of the agency that assigned the document number (i.e., the originating agency for the documents).

**Document Classification 5 characters**

The classification code for the document.

(See also Classification Code)

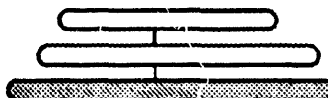
**Document Identifier 25 characters**

Document id is the unique identifier for a document or drawing. A document may be an NWC document/drawing or it may be a non NWC document such as an industry standard material or manufacturing process spec or an MSDS. For different types of documents the document identifier may be formed from several subfields, but the document identifier itself is simply an unstructured set of text. To make the document identifier unique, it must include at a minimum the source of the document (i.e. the cage code of the document originator), its type, the document number (for an NWC document the 6 digit base number, for non NWC documents any form of identifier), and the issue.

Examples: 123456  
123456 A  
333456 AB  
AY123456 A  
MSDS6789 1988  
MSDS2345 1990

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**Qult Help System**

**Document Title 40 characters**

This field can contain a short description or title of a document.

**Document Type 5 characters**

This field specifies the type of document or drawing that is being referenced. It is also embedded in the document identifier, but is provided here so the document identifier does not have to be decomposed.

Examples: ML  
AY  
CD  
MSDS

**Document Type Description variable length text (= to or less than 200)**

This field defines the document type.

**Effectivity Date 10 characters (MM/DD/YYYY)**

The date the document became effective will be recorded in this format.

(See Date for general description)

**First Name**

The first name of a person.

**Hazard Code 30 characters**

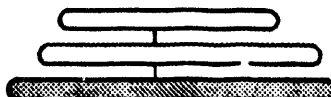
These hazard types were identified by Pantex with input from other sites. A code has been assigned for each hazard type.

**Hazard Description**

This is a definition of the hazard code.

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**Hazard Location 30 characters**

This is an optional comment field that describes where the hazard is located on the part. It may refer to a marked up drawing.

**Hazard Type Code 1 character**

This code categorizes hazards into types that effect people or the environment. These codes are the categories as defined by all agencies.

**Hazard Type Description 40 characters**

This field defines the hazard type code.

**Height Value real**

The height of a part or the height of the box that would hold the part.

(See Linear Value for general description)

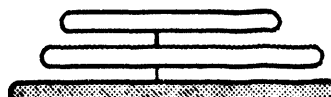
**Ineffectivity Date 10 characters (MM/DD/YYYY)**

The date the document was replaced by another issue (revision) or was canceled.

(See Date for general description)

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### Issue/Revision 4 characters

The document issue specifies which of many possible issues of a document are being referenced. For NWC documents it usually consists of a two character code from A through ZZ. However, for some non NWC documents such as industry specs, it may consist of a four digit year. It is also embedded in the document identifier, but is provided here so the document identifier does not have to be decomposed.

Examples: A  
B  
AA  
CL  
1988  
"blank"

### Last Name

The last name of a person. There is not any specific format that this needs to accommodate.

### Last Update User Name

The name of the person who entered or last changed the data as selected from the Person table. This name cannot match the certifier's name.

### Length Value real

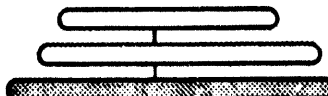
The length of a part or the length of the box that would hold the part (see Linear value for general description).

### Location Number 5 digits

Since there can be several different constituents associated with a given part, this field allows a sequence number to be added to keep a unique reference.

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**Login Name 7 characters**

This is the persons login. It must be 7 characters. This is the key field in the person table.

**Lower Level Part Number 22 characters**

This is the lower level part number or the piece parts contained in the higher level assembly.

**Middle Initial**

This is the middle initial of a person.

**Mod 2 characters**

This a modification to a weapon system, represented by an integer number.

Examples: 01  
02  
06.

**Nomenclature 22 characters**

The assigned official name for a component or weapon.

**Organization**

The organization that a person is associated with. This field is site specific, there is no specific format for it.

**Originating Person Name**

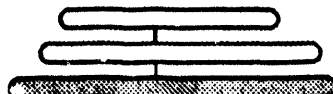
The person who noted the customer service request.

**Other Identifier(s)**

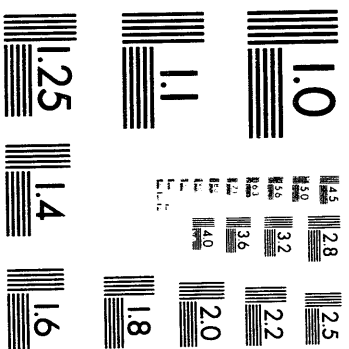
Other information from a report, frame, etc. to help pinpoint the area or context of the application where the customer service request is being made.

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**Part Cage Code 5 characters (see Cage Code and Agency/Company)**

The cage code of the agency that assigned the part number.

**Part Comment variable length text (= to or less than 400)**

This field can contain any comments about the part.

**Part Constituent Comment variable length text (= to or less than 400)**

This comment field allows the engineer to establish known facts about a particular constituent of the manufacturer's material. An interim use of this field will be to insert non CAS number identifiers (the long name of a constituent or a synonym).

**Part Description 36 characters**

The part description is any text description of the part with up to 36 characters.

**Part Group Description 80 characters**

This field gives a descriptive definition for each part group identified by the part group id below.

**Part Group Identifier 30 characters**

To sort waste streams into logical groups, this field is a classification of similar parts that may be treated the same in a disposition plan. The program engineers, working with waste disposal experts, define these group names.

Examples: circuit boards  
metal housing  
foam housing

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### Part Number 22 characters

This is the unique part identifier that may be an NWC part number or a part number as provided by any manufacturer from which the complex has purchased a part. For NWC parts there are additional fields that are included in the structure of the part number (i.e. base number and suffix). A part identified by a part number can be a component, an assembly or subassembly at any level, at the top level a weapon system, or at the lowest level raw material such as a foam or a bar stock. (At the lowest level from the designer's viewpoint the part number may be the identifier for the material spec, but the production agency or manufacturer's viewpoint the same raw material type (steel bar stock) can have multiple part numbers (for 1, 3, and 6 inch diameter bar stock). Note that all of the part number delimiters such as a " " or "/" are included in the part number to make it more readable when it is printed.

Examples: 123456  
123456 02  
1423 AA46  
GE 123456 A3B

### Performing Cage Code 5 characters

Specifically, this is the agency that performed the chemical analysis.

(See also Agency/Company)

### Phone

This is the phone number of a person. There is no specific format that needs to be followed when entering this data.

### Production Agency Cage Code 5 characters

The cage code is used to identify the production agency.

(See also Agency/Company)

**Production Weight Value real**

The measured weight of a part as determined and recorded in a chemical analysis of a part

**Program Identifier**

The frame name located on the top part of the window or other information where enhancements or corrections are requested.

**Quality Source**

The code that identifies the source of the information about a quantity.

Examples: A (actual measured value)  
D (designed, value obtained from drawing)  
E (estimated, value from process knowledge)

**Requesting Cage Code 5 characters.**

This is the agency that requested a chemical analysis. (see also Agency/Company).

**Sample Size numeric**

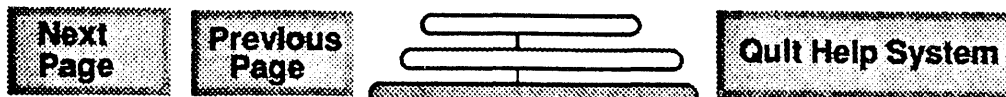
The sample size is used in determining the averages and 80% confidence level. This can be used to compute other confidence levels.

**Sanitization Instructions variable length text (= to or less than 400)**

This field can contain any sanitization comments about the part.

**SSN**

This is the social security number belonging to a person. This can be entered with or without dashes, no specific format is necessary.



**Standard Deviation real**

The chemical analysis results are recorded with average values and the standard deviation, as required on current regulatory processes.

**Source Agency Cage Code 5 characters**

The agency that is the source of a part not produced by the production agency. Normally, the source of the part is the production agency.

(See Agency/Company for general description)

**Suffix 4 characters**

The NWC parts are assigned and identified by a drawing number and a suffix. The suffix is an indicator of slight modifications through engineering changes, etc.

Examples: 00, 01, 002

**Type Code 1 character**

A code used to identify a category within a data set. There are multiple data sets within this table.

**Type Code Description 20 characters**

The meaning of the type code field.

**Type Code Usage 32 characters**

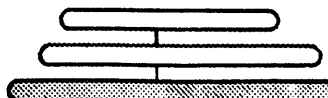
This field signifies which data set (or table) uses the type code and description.

**Unit Description 40 characters**

This is the name of the Unit Identifier abbreviation used in quantity descriptions in several cables.

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**Unit Identifier 5 characters**

This field specifies the units of measure in which the part weight or part dimensions is given.

Examples: g  
Kg  
oz  
lb

**Upper Level Part Number 22 characters**

This is the upper level part number or "next higher assembly."

**Usage**

The term usage as applied to weapon nomenclature shows the purpose for which the system was built.

Examples: JTA  
TRA  
TYPE1

**Value Source Code 1 character**

The flag for the part dimension information allows the designation of the source for the numbers recorded as E, A, or D. (E = Estimate, A = Actual, D = Designed, from documents.)

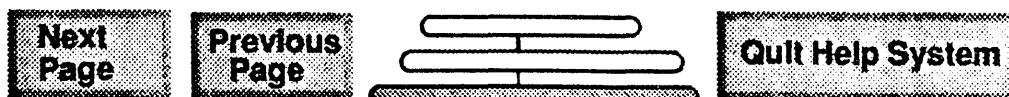
**Value Source Description 1 character**

This field defines the value source code.

**Weapon Program 7 characters**

The identifier of a specific weapon is a letter indicating warhead or bomb, followed by the program number or identifier.

Examples: W62  
B53  
W88



**Weight Value real**

The value for the weight of the part.

Examples: 6.5  
10.0  
0.005  
0.5 E 02

**Weapon Association Classification 5 characters**

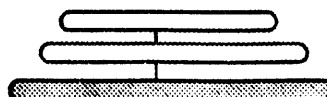
This field gives the classification for usage of this part on a specific weapon program.

(See also Classification Code)

**Width Value real**

The width of a part or the width of the box that would hold the part.

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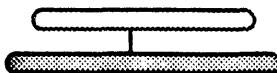
# Frame Help

The Stockpile Dismantlement Database is comprised of the following frames, click on one to obtain more information about it:

Agencies	Constituent Results
Analysis Test Methods	Customer Service Requests (CSR)
Assembly Detail	Disposition Processes
Characterization Requirements	Disposition Tree
Chemical Analyses	Documents
Chemical Analysis/Constituent Groups	Document Types
Chemical Analysis/Documents	Environment Help
Classification Codes	Hazards
Component Nomenclature	Hazard/Hazard Type Assignments
Component Types	Hazard Types
Constituents	Main Menu
Constituent Groups	Next Level Down
Constituent Groups/Constituents	Next Level Up
Constituent/Hazards	Next Levels Up and Down
Constituent/Parts	NWC Parts
	Parts

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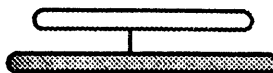
**Quit Help System**



Part Comments	Persons
Part/Constituents	SDDDB On-line Help
Part Demilitarization Instructions	Summary Reports
Part Dimensions	Type Codes
Part Disassembly Procedures	Units
Part Disposition Descriptions	User Applications
Part/Documents	Value Sources
Part Groups	Weapon Level Nomenclature
Part Group/Constituents	Weapon System Parts
Part Group Disposition/ Characterization Requirements	
Part Group Disposition/ Hazards	
Part Group Disposition Processes	
Part Group Results	
Part/Hazards	
Part/Part Group Assignment	
Part Sanitization Instructions	
Part/Source Agencies	
Part Weights	

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## Agencies List

This screen lists the agencies that play a role in the Stockpile Dismantlement Project. This frame can be used to select an agency to perform the functions available under the menu bar. Examples of agency roles are a design agency, a production agency, and/or a source agency of a part. The agency that assigned a number (part or document) may be required as part of the key (unique identifier) when commercial parts or design agency parts are referenced.

---

## Agencies Detail

This screen allows the agencies that play a role in the Stockpile Dismantlement Project, to be edited (i.e., modified or deleted or a new agency added). After editing this frame choose an action from the File menu to implement the changes made.

---

## Fields Associated with this Frame:

Click on one to obtain more information about it.

Agency  
Agency Description  
Cage Code



### Analysis Test Methods List

This frame allows the user to view a list of data listing standard identifiers for analysis test methods used in performing chemical analysis. A row of data can be highlighted from this list and incorporated into the chemical analysis data on other screens.

---

### Analysis Test Methods Detail

Data can be edited in this frame. After editing this frame choose an action from the File menu to add, modify, or delete an analysis test method.

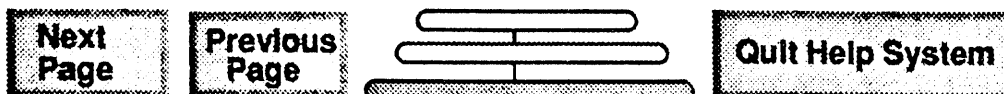
---

### Fields Associated with this Frame:

Click on one to obtain more information about it.

Analysis Method Description

Analysis Method Number



## Characterization Requirements List

This frame contains the list of data requirements which form an information template as a guideline for characterization. This frame allows the user to view a list of data and select from it to combine characterization requirements and other data on other frames. One example is the Part Group Disposition/Characterization Requirements which ties requirements to the DSD part groups and their site-specific disposition recommendation.

---

## Characterization Requirements Detail

Data can be edited in this frame. After editing this frame choose an action from the File menu to add, modify, or delete a characterization requirement.

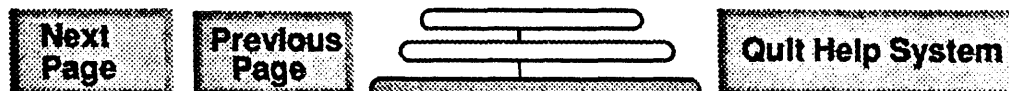
---

## Fields Associated with this Frame:

Click on one to obtain more information about it.

Characterization Requirements Description

Characterization Requirements Name



### Chemical Analyses List

This frame allows the user to view a list of data showing chemical analysis performed on specific parts. A row of data can be highlighted from this list in order for it 1) to be linked or modified, or 2) in order to see more detailed information about part groups or constituent groups analyzed.

---

### Chemical Analyses Detail

Data can be edited in this frame. After editing this frame choose an action from the File menu to add, modify, or delete information about a chemical analysis on a part.

---

### Fields Associated with this Frame:

Click on one to obtain more information about it.

Analysis Date  
Chemical Analysis Comment  
Chemical Analysis Identifier  
Production Weight Value  
Requesting Cage Code

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### Chemical Analysis/Constituent Groups List

This frame allows the user to view a list of constituent groups that have been linked to a chemical analysis. This list can be modified by choosing edit under the File menu.

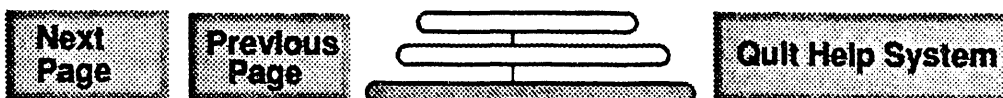
### Chemical Analysis/Constituent Groups Detail

Data can be edited in this frame. After editing this frame choose an action from the File menu to add, modify, or delete a Constituent Group to a Chemical Analysis.

### Fields Associated with this Frame:

Click on one to obtain more information about it.

Requesting Cage Code  
Analysis Method Number  
Average Weight/Value  
Chemical Analysis Identifier  
Constituent Group Name  
Performing Cage Code  
Requesting Cage Code  
Sample Size  
Standard Deviation  
Units/Unit Identifier



## Chemical Analysis/Documents

This frame enables the user to assign documents to a chemical analysis that is the plan for the analysis or a reference. After clicking on the document in the document list screen, and selecting "Add" under the "File" Menu in the chemical analysis documents screen, the document will then appear in a list with other documents that have been assigned to the chemical analysis.

---

### Fields Associated with this Frame:

Click on one to obtain more information about it.

- Cage Code
- Chemical Analysis Identifier
- Document Cage Code
- Document Identifier
- Part Description
- Part Number
- Requesting Cage Code

## Classification Codes List

This frame lists classification codes and allows the user to select one in order to 1) link it to a frame (i.e., pass the value to another frame) or 2) to modify it. If a classification code needs to be edited selecting the edit command from the File menu will bring up a screen to edit a classification code. The classification codes are applied to parts, documents, and weapon associations.

---

## Classification Codes Detail

Allows the user to edit a classification code. After editing this frame choose an action from the File menu to add, modify, or delete.

---

## Fields Associated with this Frame:

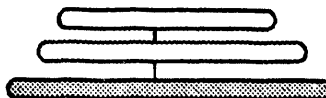
Click on one to obtain more information about it.

Classification Code

Classification Description

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## Component Nomenclature

This frame allows the user to view a list of Nomenclature Parts and the data associated with them. This list is provided as a look-up table to find part numbers when the Design Agency assigned "nomenclature" is known (e.g., MC1105, SA2102, etc.).

---

## Component Nomenclature Detail Frame

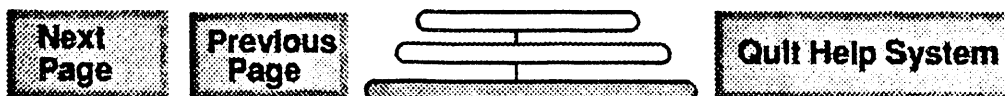
This frame allows the user to enter nomenclature information about a part. Data can be added, modified or deleted in this frame. After editing this frame choose an action from the File menu -- Add, Modify, or Delete.

---

## Fields Associated with this Frame:

Click on one to obtain more information about it.

Nomenclature  
Component Type  
Component Number  
Base Part Number



### Component Types List

This frame allows the user to view a list of component types. A row of data can be highlighted from this list in order 1) to be passed to another frame or 2) to be modified.

---

### Component Types Detail

Data can be edited in this frame. After editing this frame choose an action from the File menu to add, modify, or delete a Component Type.

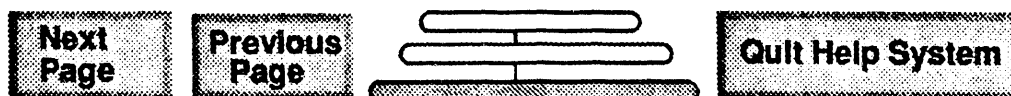
---

### Fields Associated with this Frame:

Click on one to obtain more information about it.

Component Type Code

Component Type Description



## Constituents List

This frame allows the user to view a constituent and select or modify a constituent. When highlighted the constituent values are passed to other frames such as the part/constituent frame. A constituent can also be edited by selecting edit under the File menu.

---

## Constituents Detail

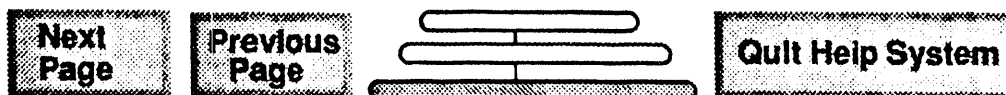
This frame allows the user to edit data about a particular constituent. Data can be edited in this frame. After editing this frame choose an action from the File menu to add, modify, or delete a Constituent.

---

## Fields Associated with this Frame:

Click on one to obtain more information about it.

CAS Number  
Constituent Common Name  
Constituent Description  
Type Code



### Constituent Groups List

This frame allows the user to view a list of Constituent Groups and the data associated with them. This list can be used in order to select a constituent group, to be linked to a part or to be modified. Constituent Groups are defined for chemical analysis summaries.

---

### Constituent Groups Detail

Data can be edited in this frame. After editing data or inserting new data in this frame, choose an action from the File menu to change the database accordingly.

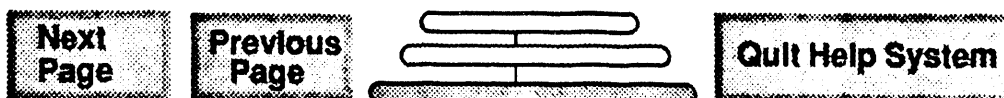
---

### Fields Associated with this Frame:

Click on one to obtain more information about it.

Constituent Group Name

Constituent Group Description



### Constituent Groups/Constituents List

This frame allows the user to define a constituent group or the constituents which are associated with a constituent group. Constituent Groups are a combination of elements having common definition or requiring a common treatment. Chemical analysis results summaries will use these definitions.

---

### Constituent Groups/Constituents Detail

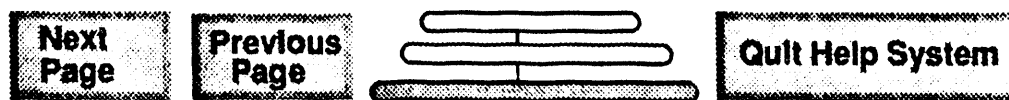
Data can be edited in this frame. After editing data or inserting new data in this frame, choose an action from the File menu to change the database accordingly.

---

### Fields Associated with this Frame:

Click on one to obtain more information about it.

- CAS Number
- Constituent Common Name
- Constituent Description
- Constituent Group Name
- Constituent Group Description
- Constituent Identifier
- Type Code



## Constituent/Hazards

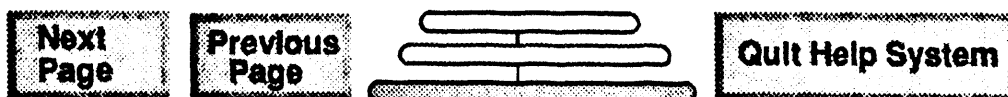
This frame enables the user to assign hazards to a constituent. This is done by clicking on the hazard, in the hazard list screen and clicking on Add under the File Menu, in the constituent hazard screen, the hazard will then appear in a list with other hazards that have been assigned to the constituent.

---

### Fields Associated with this Frame:

Click on one to obtain more information about it.

CAS Number  
Constituent Common Name  
Constituent Description  
Type Code  
Hazard Code  
Hazard Description



## Constituent/Parts

This frame allows the user to view the parts which are associated with a particular constituent (which was selected and passed from the constituent list frame). This is a read only frame.

---

### Fields Associated with this Frame:

Click on one to obtain more information about it.

- Constituent Common Name
- Constituent Description
- Constituent Location
- Constituent Location Number
- Constituent Quantity
- Part Constituent Comment
- Value Source Code

### Constituent Results List

This frame allows the user to view chemical analysis detailed results on a part at a constituent level. A row of data can be highlighted from this list in order to modify it.

---

### Constituent Results Detail

Data can be edited in this frame. After editing this frame choose an action from the File menu to add, modify, or delete Constituent Results.

---

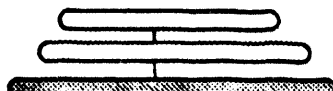
### Fields Associated with this Frame:

Click on one to obtain more information about it.

Analysis Method Number  
Average Weight/Value  
Chemical Analysis Identifier  
Constituent Common Name  
Part Group Identifier  
Performing Cage Code  
Requesting Cage Code  
Sample Size  
Standard Deviation  
Units/Unit Identifier

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**Qult Help System**



## Customer Service Requests (CSR) List

This frame is a simple version of a form for use by customers of the SDDB to 1) report problems or surprise encountered while using the software, or 2) request enhancements to the software in the way it works or additional data needed to be recorded in the database. the List frame allows the customer to view all CSR's and optionally to modify or add a new one by choosing "Edit" from the "File" Menu.

---

## Customer Service Requests (CSR) Detail

Data can be edited in this frame. After editing data or inserting new data in this frame, choose an action from the File menu to change the database accordingly.

---

## Fields Associated with this Frame:

Click on one to obtain more information about it.

CSR Description

Date Noted

Other Identifier(s)

Originating Person Name

Program Identifier

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## Disposition Processes List

This screen is designed to be used for viewing or selecting a disposition process. These processes are those defined by the DSD team and others added by waste management departments. The data selected may be passed to appropriate screens.

---

## Disposition Processes Detail

This screen is designed to be used for editing a disposition process. After editing this frame choose an action from the File menu to add, modify, or delete a Disposition Process.

---

## Fields Associated with this Frame:

Click on one to obtain more information about it.

Disposition Process Description

Disposition Process Identifier



## Disposition Tree List

The disposition tree is made up of the weapon, its lower level RDI parts and any part for disassembly per dismantlement instructions for proper disposition (render safe, waste minimization, recycle, etc.) This screen is designed to be used for viewing parts of the disposition tree.

---

## Disposition Tree Detail

This screen is designed to be used for editing a part in the disposition tree. After editing this frame choose an action from the File menu to implement the changes made.

---

## Fields Associated with this Frame:

Click on one to obtain more information about it.

Lower Level Part Description (See Part Description)

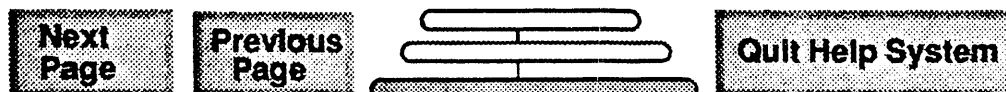
Lower Level Part Number

Part Description

Part Number

Upper Level Part Description (See Part Description)

Upper Level Part Number



## Documents List

This frame allows the user to view Documents and allows the user to select one in order to link it to a frame or modify it. When a part is characterized, the supporting documents must always be given in the document list and linked to the part in the part/document frame.

---

## Documents Detail

Allows the user to edit document data. Data can be edited in this frame. After editing this frame choose an action from the File menu to add, modify, or delete a Document.

---

## Fields Associated with this Frame:

Click on one to obtain more information about it.

Classification Code (Part)

Document Cage Code

Document Identifier

Document Issue Revision

Document Title

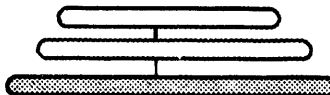
Document Type

Effectivity Date

Ineffectivity Date

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**Quit Help System**

## Document Types List

This frame allows the user to view a list of document types. A document type can be highlighted from this list in order to 1) select it and pass it to another frame such as the Document Frame or 2) to modify it.

---

## Document Types Detail

Data can be edited in this frame. After editing this frame choose an action from the File menu to implement the changes made.

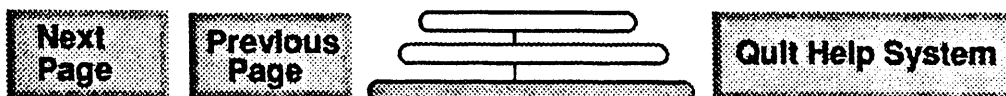
---

## Fields Associated with this Frame:

Click on one to obtain more information about it.

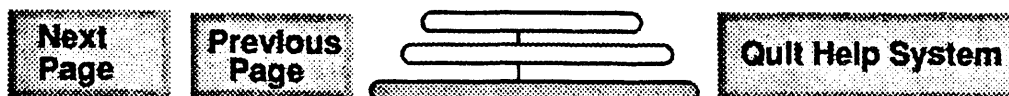
Document Type

Document Type Description



## Environment Help

The Environment Help gives the user general information about the system and database they are using. For Example the current user, current database, the database version, the server name, the window system, and the operating system.



## Hazards List

This frame allows the user to view the list of hazards in the database. The user can select one of these hazards by clicking on it and use it in another frame. To edit a hazard, the user selects edit under the File menu.

---

## Hazards Detail

Allows the user to edit a hazard. Data can be edited in this frame. After editing this frame choose an action from the File menu to implement the changes made.

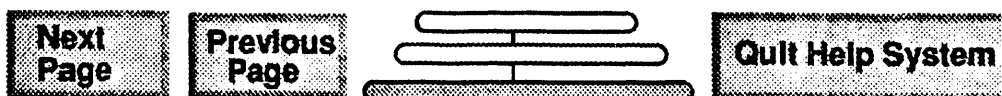
---

## Fields Associated with this Frame:

Click on one to obtain more information about it.

Hazard Code

Hazard Description



## Hazard/Hazard Type Assignments List

Hazard Lists are developed and assigned by the Dismantlement Program teams. They are categorized into types such as Personnel Hazards, Environmental Hazards, etc. This screen allows the user to assign a hazard type to a hazard.

---

### Fields Associated with this Frame:

Click on one to obtain more information about it.

Hazard Code

Hazard Description

Hazard Type Code

Hazard Type Description

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**Quit Help System**



## Hazard Types List

The hazard type list is categorized into types that effect people or the environment. These codes are the categories as defined by all agencies. This frame allows the user to view the list of hazard types in the database. The user can select one of these hazard types by clicking on it and use it in another frame, such as the Hazard/Hazard Type frame. To edit a hazard type, the user selects edit under the File menu.

---

## Hazards Types Detail

Allows the user to edit a hazard type. Data can be edited in this frame. After editing this frame choose an action from the File menu to implement the changes made.

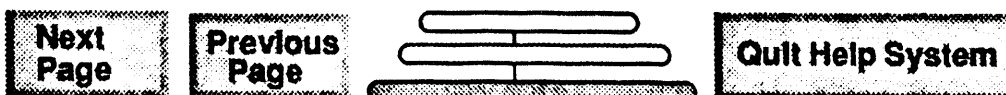
---

## Fields Associated with this Frame:

Click on one to obtain more information about it.

Hazard Type Code

Hazard Type Description

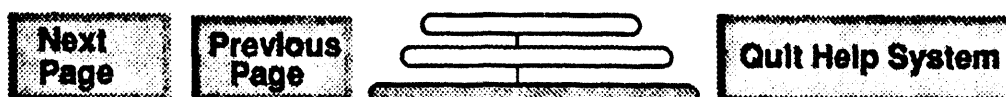


## Main Menu

This is the main frame of the application. From this point all other frames are accessible. Probably the first place to start is with the parts list menu choice. From the Parts List Frame most of the other options seen on the main menu require the use of a part number.

All other menu choices, including those in the "pull-down" menus are the same name as each of the frames in the application and are described in this section of the "Help" for the SDDB application.

NOTE: The DBA and the HELP menu choices are described in a separate section, as well as the User Application choice.



### Next Level Up

This frame enables the user to view and select an upper level part associated with a specific part. After selecting a part the user is able to perform functions in the menu bar with it.

---

### Next Level Down

This frame lists lower level parts and their data that are associated with a specific upper level part. Any of the functions in the menu bar can be performed once a part is selected.

---

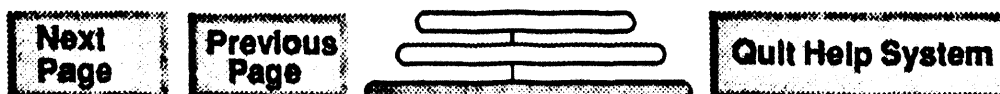
### Next Levels Up and Down

This frame allows the user to view both upper and lower levels parts associated with a specific part. This frame also allows the user to move through an assembly in a "tree" like manner.

---

### Assembly Detail Frame

This screen allows the user to distinguish components into upper and lower level relationships. In this screen the user documents the parts that use a particular part in their assembly.



## **NWC Parts List**

This frame allows the user to view NWC parts(non-commercial). Its primary purpose is to serve as a cross reference for a part by providing the 6-digit design agency part number (called the base part number) and its corresponding part numbers, including their suffix.

---

## **NWC Parts Detail**

Allows the user to edit NWC Part data. Data can be edited in this frame. After editing this frame choose an action from the File menu to implement the changes made.

---

## **Fields Associated with this Frame:**

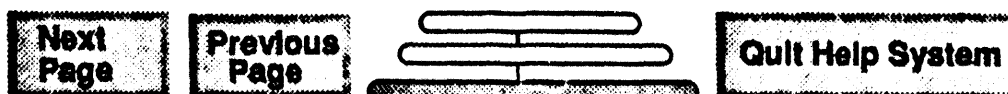
Click on one to obtain more information about it.

Base Part Number

Cage Code

Part Number

Suffix



## Parts List

This screen allows the user to search for parts based on a part number or a part description. A part can then be viewed or selected from the list. "Masked" searches are allowed, using a "%" at the beginning or end of the specific known characters. This frame and the selected part provides a global part number reference which is used to update data on all "open frames" from the database for a user of the SDDB.

---

## Parts Detail

This frame allows the user to add or modify a part. Data can be edited in this frame. After editing this frame choose an action from the File menu to implement the changes made.

---

## Fields Associated with this Frame:

Click on one to obtain more information about it.

Cage Code

Weapon Association Classification

Characterization Comment

Characterization Status

Classification Code (Part)

Design Agency Cage Code

Part Classification

Part Description

Part Number

Production Agency Cage Code

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**Quit Help System**

### Part Comments List

This screen is designed to be used for viewing or selecting comments about a part.

---

### Part Comments Detail

This screen is designed to be used for editing comments about a part. After editing this frame choose an action from the File menu to implement the changes made.

---

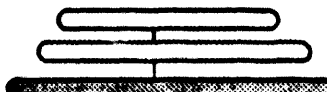
### Fields Associated with this Frame:

Click on one to obtain more information about it.

Part Comment

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Quit Help System

## Part Constituents List

This frame allows the user to view the constituents which are associated with a part and add other constituents to the part.

---

## Part Constituents Detail

Data can be edited in this frame. After editing this frame choose an action from the File menu to implement the changes made.

---

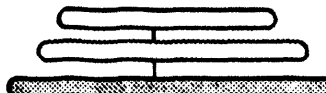
## Fields Associated with this Frame:

Click on one to obtain more information about it.

Cage Code	Part Description
CAS Number	Part Number
Certification Date	Units
Certification Flag	Value Source Code
Certification User Name	
Constituent Common Name	
Constituent Description	
Constituent Location	
Constituent Location Number	
Constituent Type Code	
Constituent Quantity	
Last Update User Name	
Part Constituent Comment	

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**Qult Help System**

## Part Demilitarization Instructions List

This screen is designed to be used for viewing demilitarization instructions of a part.

## Part Demilitarization Instructions Detail

This screen is designed to be used for editing demilitarization instructions of a part. After editing this frame choose an action from the File menu to implement the changes made.

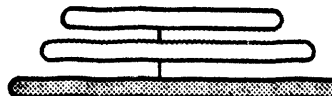
## Fields Associated with this Frame:

Click on one to obtain more information about it.

Certification Flag  
Certification User Name  
Constituent Common Name  
Demilitarization Instructions  
Last Update User Name

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Quit Help System



### Part Dimensions List

This frame lists the length, width, and height for the part. The intention of this data is to indicate an approximate volume within which the part will fit.

---

### Part Dimensions Detail

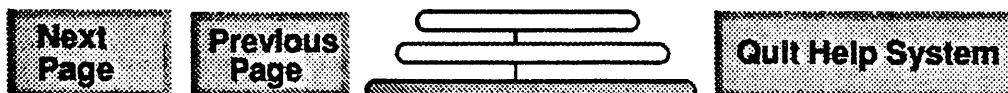
This frame specifies the length, width, and height for the optional part dimension data. The intention of this data is to indicate an approximate volume within which the part will fit. After editing this frame choose an action from the File menu to implement the changes made.

---

### Fields Associated with this Frame:

Click on one to obtain more information about it.

Height Value  
Length Value  
Units/Unit Identifier  
Value Source Code  
Width Value



## Part Disassembly Procedures List

This screen is designed to be used for viewing disassembly procedures of a part.

---

## Part Disassembly Procedures Detail

This screen is designed to be used for editing disassembly procedures of a part. After editing this frame choose an action from the File menu to implement the changes made.

---

## Fields Associated with this Frame:

Click on one to obtain more information about it.

Certification Flag  
Certification User Name  
Constituent Common Name  
Disassembly Procedures  
Last Update User Name

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Quit Help System

### Part Disposition Descriptions List

This screen is designed to be used for viewing comments about the disposition of a part.

---

### Part Disposition Descriptions Detail

This screen is designed to be used for editing comments about the disposition of a part. After editing this frame choose an action from the File menu to implement the changes made.

---

### Fields Associated with this Frame:

Click on one to obtain more information about it.

Certification Flag  
Certification User Name  
Constituent Common Name  
Disposition Descriptions  
Last Update User Name



## Part Documents

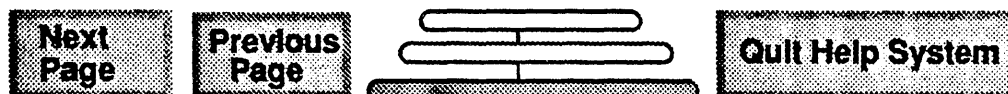
This frame enables the user to assign documents to a part. This is done by clicking on the document, in the document list screen and clicking on Add under the File Menu, in the part documents screen, the document will then appear in a list with other documents that have been assigned to the part.

---

### Fields Associated with this Frame:

Click on one to obtain more information about it.

- Cage Code
- Document Cage Code
- Document Identifier
- Part Description
- Part Number



## Part Groups List

This frame allows the user to view a list of Part Groups and the data associated with them. This list can be used in order to select a part group, to be linked to or modified.

---

## Part Groups Detail

Data can be edited in this frame. After editing this frame choose an action from the File menu to implement the changes made.

---

## Fields Associated with this Frame:

Click on one to obtain more information about it.

Part Group Description

Part Group Identifier

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Qult Help System

## Part Group Constituents List

This frame allows the user to view the constituents which are associated with a part group and add other constituents to the part group.

---

## Part Group Constituents Detail

Data can be edited in this frame. After editing this frame choose an action from the File menu to implement the changes made.

---

## Fields Associated with this Frame:

Click on one to obtain more information about it.

- CAS Number
- Constituent Common Name
- Constituent Description
- Constituent ID
- Part Group Description
- Part Group Identifier
- Type Code

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**Qult Help System**

## Part Group Disposition Characterization Requirements List

This frame is designed to show the association of characterization requirements (template) needed for information as determined by the site-specific or generalized Demilitarization and Sanitization for Disposition team processes for the part group.

---

### Fields Associated with this Frame:

Click on one to obtain more information about it.

Cage Code

Characterization Requirements Description

Characterization Requirements Name

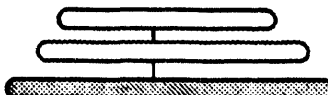
Disposition Process Identifier

Effectivity Date

Part Group Identifier

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**Quit Help System**

## Part Group Disposition Hazards List

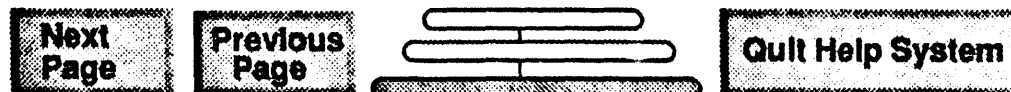
This frame associates a part group disposition to a hazard. These definitions have been established for most of the part group dispositions.

---

### Fields Associated with this Frame:

Click on one to obtain more information about it.

Cage Code  
Disposition Process Identifier  
Effectivity Date  
Hazard Code  
Hazard Description  
Part Group Identifier





## Part Group Disposition Processes List

This frame associates a disposition process to a part group. These definitions have been established for most of the part groups by the Demilitarization and Sanitization for Disposition team.

---

### Fields Associated with this Frame:

Click on one to obtain more information about it.

Cage Code

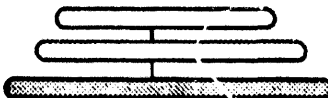
Disposition Process Identifier

Effectivity Date

Part Group Identifier

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Qult Help System

### **Part Group Results List**

This frame allows the user to view a list of data. A row of data can be highlighted from this list in order to link it or modify it.

---

### **Part Group Results Detail**

Data can be edited in this frame. After editing this frame choose an action from the File menu to implement the changes made.

---

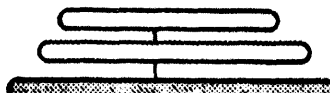
### **Fields Associated with this Frame:**

Click on one to obtain more information about it.

Analysis Method Number  
Average Weight/Value  
Chemical Analysis Identifier  
Part Group Identifier  
Performing Cage Code  
Requesting Cage Code  
Sample Size  
Standard Deviation  
Units/Unit Identifier

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**Quit Help System**

## **Part Hazards**

Data can be edited in this frame. After editing this frame choose an action from the File menu to implement the changes made.

---

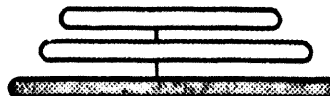
### **Fields Associated with this Frame:**

Click on one to obtain more information about it.

Certification Flag  
Certification User Name  
Constituent Common Name  
Derived Flag  
Hazard Code  
Hazard Location  
Last Update User Name  
Location Number

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**Quit Help System**

## Part/Part Group Assignment

Allows the user to assign a part to a part group. This is done by selecting the part group in the part group list screen and pressing the assign button in the part/part group assignment screen. The part group is then assigned to the part.

---

## Fields Associated with this Frame:

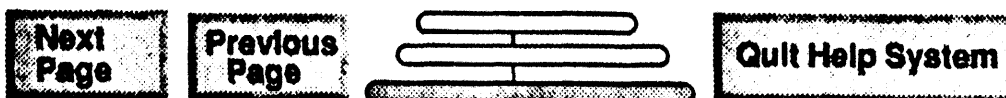
Click on one to obtain more information about it.

Part Description

Part Group Identifier

Part Number

Cage Code



## Part Sanitization Instructions List

This screen is designed to be used for viewing sanitization instructions of a part.

---

## Part Sanitization Instructions Detail

This screen is designed to be used for editing sanitization instructions of a part. After editing this frame choose an action from the File menu to implement the changes made.

---

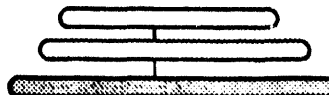
## Fields Associated with this Frame:

Click on one to obtain more information about it.

Certification Flag  
Certification User Name  
Constituent Common Name  
Sanitization Instructions  
Last Update User Name

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Quit Help System

### Part Source Agencies List

This frame allows the user view and select a source agency to use with a part.

---

### Part Source Agencies Detail

This frame allows the user to edit a source agency. After editing this frame choose an action from the File menu to implement the changes made.

---

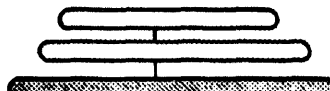
### Fields Associated with this Frame:

Click on one to obtain more information about it.

- Cage Code
- Part Description
- Part Number
- Source Agency Cage Code
- Source Agency Description (See Agency Description)

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**Quit Help System**

## Part Weights List

This screen is used to view data pertaining to the weight of a part and allows the user to select one in order to edit it.

---

## Part Weights Detail

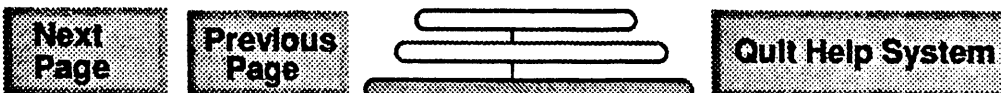
This frame enables the user to edit weight data for a part. Data can be edited in this frame. After editing this frame choose an action from the File menu to implement the changes made.

---

## Fields Associated with this Frame:

Click on one to obtain more information about it.

- Cage Code
- Part Description
- Part Number
- Units/Unit Identifier
- Value Source Code
- Weight Value



## Persons List

This frame allows the customers at all sites to keep a current list of SDDB users and pertinent information, such as phone number. The information will depend on the site administrators keeping the information current at their own location. The only field used as a key to other data is the Login Name. This must be present in order to display a name on other frames. The other data, except for cage code, may be entered in any format. It is used for reference only.

---

## Persons Detail

Data can be edited in this frame. After editing data or inserting new data in this frame, choose an action from the File menu to change the database accordingly.

---

## Fields Associated with this Frame:

Click on one to obtain more information about it.

Cage Code  
First Name  
Last Name  
Login Name  
Middle Initial  
Organization  
Phone  
SSN

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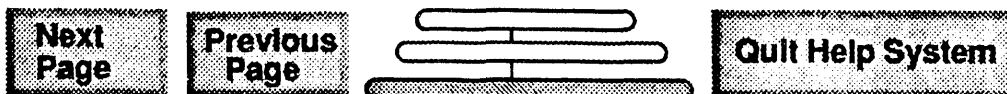


**Quit Help System**



## SDDB On-line Help

The On-line Help documents are written and linked using the hypertext feature of FrameMaker. All sites were supplied with a FrameViewer License which allows read-only access to the Help text. When Help is being accessed the license is unavailable for other users. Extra licenses may be purchased for simultaneous access by several users. The FrameViewer box opens automatically and the Help Table of Contents is shown. When the user is finished using the Help system the FrameViewer box must be closed (click on Exit) so that other users may access Help with FrameViewer. Other mechanics of the Help system are described in the sections "Using Help" and "DBA Support", respectively.

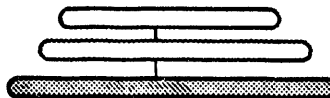


## Summary Reports

This screen allows the user to select the type of report they want to execute. After selecting the type of report the screen will display the fields that need to be filled in order to run the report. After filling in the fields click on go and the report will be executed.

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**Quit Help System**

### Type Codes List

This list is a combination of codes and lists used in the application. Each list has a specific code. This frame allows the user to view the list of type codes in the database. The user can select one of these type codes by clicking on it. To edit a type code, select edit under the File menu.

---

### Type Codes Detail

Data can be edited in this frame. After editing this frame choose an action from the File menu to implement the changes made.

---

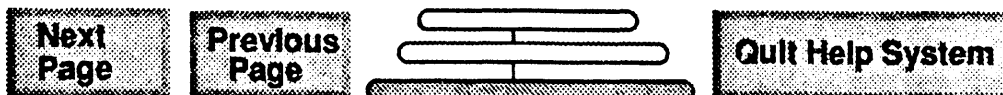
### Fields Associated with this Frame:

Click on one to obtain more information about it.

Type Code

Type Code Description

Type Code Usage



## Units List

This frame lists the types of units in the database and allows the user to select one in order to link it to a frame or modify it. A unit can be edited if needed by selecting edit under the File menu.

---

## Units Detail

Data can be edited in this frame. After editing this frame choose an action from the File menu to implement the changes made.

---

## Fields Associated with this Frame:

Click on one to obtain more information about it.

Unit Description

Units/Unit Identifier

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**Quit Help System**

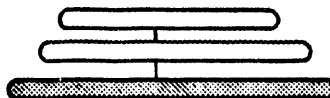
## User Applications

This frame is a dummy or stub application which has a designated name (user\_appl\_1) for the SDDB.

If the user or customer at each site wants to extend the SDDB and tailor it, it can be done by using this application name for their own site-dependent INGRES Windows 4GL software and INGRES database.

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**Quit Help System**

### Value Sources List

This screen is designed to be used for viewing or selecting Value Sources.

---

### Value Sources Detail

This screen is designed to be used for editing a value source. After editing this frame choose an action from the File menu to implement the changes made.

---

### Fields Associated with this Frame:

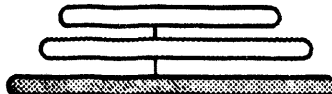
Click on one to obtain more information about it.

Value Source Code

Value Source Description

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**Quit Help System**

### Weapon Level Nomenclature Frame

This frame enables the user to view the list or select a row. After selecting a row the user can choose to use the nomenclature with another screen by selecting another menu option or modify the nomenclature by selecting the modify option under the File menu.

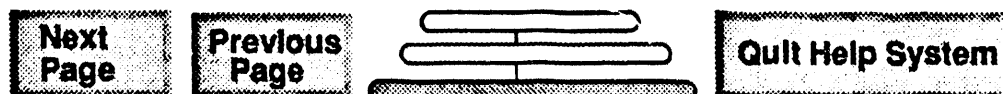
### Weapon Level Nomenclature Detail Frame

Allows the user to add, modify, or delete weapon level nomenclature data. After editing this frame choose an action from the File menu -- Add, Modify, or Delete.

### Fields Associated with this Frame:

Click on one to obtain more information about it.

Nomenclature  
Weapon Program  
Mod  
Alt  
Usage  
Base Part Number



### Weapon System Parts List

This frame allows the user to view a list of data. A row of data can be highlighted from this list in order to linked to or modified.

---

### Weapon System Parts Detail

Data can be edited in this frame. After editing this frame choose an action from the File menu to implement the changes made.

---

### Fields Associated with this Frame:

Click on one to obtain more information about it.

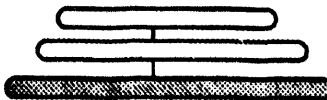
Cage Code

Mod

Part Number

Weapon Program

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**Quit Help System**



## **Glossary**

**Cage Code** - This is a five-digit number to identify the agency having design or production responsibility for a part. Examples are found in Appendix B.

**CAS #** - Chemical Abstracts Service Registry Number. The assigned index numbers, by which information about chemical substances can be found in Chemical Abstracts, are published by the American Chemical Society. Numbers are assigned sequentially and have no chemical significance.

**CCD** - Component Characterization for Disposition.

**Characterization** - The process of researching and defining legal and safe disposition of parts in a changing environment where answers may not yet be available.

**Characterizer** - A person who asks the right questions to encourage the development of acceptable answers in the current and evolving environment-conscious system for disposition of parts.

**Complex Part** - Complex parts are those requiring a process or disassembly before dispositioning the material.

**Constituents** - Materials that make up a part and are relevant to likely choices of disposition.

**DEP** - Data Entry Person.

**DP** - Disassembly Procedures. Prefix for Disassembly Procedures document.

**Demilitarization** - This is a process performed to destroy the military application of a part.

**Design Agency** - The design agency is the national laboratory in the Department of Energy with responsibility for designing a part.

**Disassembly** - The act of removing a part so that it can be dispositioned separately.

**Disposition** - The proper stream for disposing of a part or residue of demilitarization/ sanitization activities. The stream is one that meets current regulations for safe handling and containment of hazards as well as minimization objectives.

**Disposition Package** - These are the data-supporting answers on hard copy that are entered in the database. The documents are retrievable information and represent the audit trail for SDDB data. These documents can include drawings, chemical analysis reports, weapon reports, and component reports.

**Disposition Tree** - The disposition tree is the structure of parts that reflect the disassembly pieces. Each part identified to be separated from the higher assembly in the disposition tree is then characterized separately in the SDDB.

**DSD** - Demilitarization and Sanitization for Disposition

**ML/AY** - Any drawing that has a combination of graphic and material information, including note forms.

**MS** - Applies to all military standards, including National Aerospace (NAS numbers).

**NWC - Nuclear Weapon Complex.**

**Production Agency -** The production agency is the national laboratory in the Department of Energy with responsibility for building a part.

**QA - Quality Assurance.**

**QC - Quality Control.**

**RDI - Retirement Disposition Instruction.**

**Sanitization -** This is a process performed on a classified part to render it unclassified before dispositioning the material.

**SDDB - Stockpile Dismantlement Database.**

**SG - General Specifications.**

**SS - Specific specifications for particular use.**

**Simple Part -** Simple parts are those that do not require further disassembly and will not require any process to be performed before dispositioning the part.

**Standard Deviation -** A measure of the variation in replicate measurements. The standard deviation ( $s$ ) is defined by the formula:

$$s = \sqrt{\sum_i (x_i - \bar{x})^2 / (n - 1)}$$

where  $x_i$  is an individual measurement,  $n$  is the number of measurements, and  $\bar{x}$  is the average value which is the sum of all measurements divided by the number of measurements.

$$\bar{x} = \sum_i x_i / n$$

**TCLP - Toxicity Characterization Leaching Procedure.**

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