

**Fm 704-28**

Reference

*Revised / Change 3, PAM 25-30, dtd July 98*

**FM 704-28**

**FIELD MANUAL**

# **CLASSES OF SUPPLY**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY**

**NOVEMBER 1978**

## **FOREWORD**

This is the first field manual to be prepared in accordance with the provisions of paragraph 2-13b(3) AR 310-2 which provides for numbering logistics field manuals in the 700 "logistic" series with a subseries to identify logistics levels applicable to the contents of the manual.

The contents of this logistics field manual have been prepared to meet the comprehension level of readers extending from the 80 level (DA Staff) to the 20 level (organization).

DA Form 2028-2 (Test) is furnished at the rear of the manual to facilitate direct communication between readers and individuals responsible for its contents.

## CLASSES OF SUPPLY

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## CHAPTER 1

### INTRODUCTION

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#### 1-1. Purpose

This manual is for use as a logistics planning and operations guide and supplements the classes and subclasses of supply prescribed in AR 11-8. Also, it contains doctrine and outlines current and future roles of the ten classes of supply structure (also known as supply categories of materiel (SCM)) in the logistics functions of supply, maintenance, and transportation. Its purpose is to assist staff officers and commanders at all echelons by depicting current and potential uses of classes of supply as the means of improving Army and DOD logistics planning and operations functions.

#### 1-2. Scope

The contents of this manual are applicable to all elements of the active Army and Reserve Components engaged in logistic planning and logistic operations functions.

#### 1-3. Recommended Changes

Users of this manual are urged to review its contents and furnish comments and recommended improvements on DA Form 2028-2 (Test) (Recommended Changes to Equipment Technical Manuals) located in the back of this manual to CDR, US Army Materiel Development and Readiness Command. ATTN: DRCPS-P, 5001 Eisenhower Ave., Alexandria, VA 22333. A reply will be furnished directly to you.



## CHAPTER 2

### CLASSES AND SUBCLASSES OF SUPPLY

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#### 2-1. Background

Classes of supply came into being during the World War I era and were expanded during World War II. They were initially used as a means of identifying supplies, i.e., class I, rations and forage, identified by a crescent; class III, fuels and lubricants, identified by a funnel, and class V, ammunition and explosives, identified by an artillery shell. Classes II and IV were not provided significant markings but were identified by technical service color corner markings. In 1962 the Chiefs of Technical Services were abolished and in 1967 the classes of supply were expanded by DOD from five to ten and 22 subclasses established to afford additional stratification of supplies and equipment used by the military services.

#### 2-2. Description of Classes

The division of supplies and equipment into ten classes of supply provides the means by which specific items may be classified into meaningful categories of materiel. The ten classes of supply are prescribed in AR 11-8 and are also described at figure 2-1. Of the ten classes there are three (IV, VI & X) which do not require additional subclassifications. However, there are two classes (II and IX) (generally confused with the old classes II and IV) which require additional discussion:

*a. Class II.* Items of supply and items of equipment used by individuals and by Army organizations in performing tactical, logistical or administrative operations. These items are normally issued through "general supply" channels.

*b. Class IX.* Repair parts used by Army organizations to accomplish maintenance operations. In general, these are expendable items used to replace unserviceable items attached or affixed to class II or class VII items of equipment. These items are normally issued through "repair parts" channels.

*Note.* For graphic examples of classes of supply see figures 2-3 through 2-12.

#### 2-3. Description of Subclasses

*a.* Subclasses have been provided to further identify items within a major class and provide the means of identifying items by commodity or weapons system. Relationships between supply, maintenance and transportation functions are made possible by use of the subclasses of supply which are prescribed in AR 11-8 and also described in figure 2-2.

*b.* Subclass X (no subclass assigned) has been established for classes IV, VI, and X since the legend is sufficiently explanatory and needs no further stratification.

*c.* In general, subclass legends established for classes I, II, III, V, VII, VIII and IX are based on materiel categories and/or supply terms found in field manuals dealing with supply support to the Army-in-the-field, e.g., FM 100-10. An exception has been made in assigning numeric subclasses of supply to classes III and VIII as depicted at figure 2-2. In the case of class III, subclass 1 through 3 equate to IIIA (A for Air) and subclasses 4 through 7 equate to IIIW (W for Ground) thereby providing a compatibility with the US Joint Chief of Staff, Joint Operations Planning System (JOPS) which uses only classes IIIA and IIIW. In the case of class VIII, subclasses 1 thru 8 are required to identify various types of medical materiel.

*d.* Subclass H for test measurement, and diagnostic equipment (TMDE) is included for the purpose of gaining visibility of those items used by the Army for test and diagnostic purposes (less class VIII). The key word in subclass H is *equipment* and is interpreted to consist of sets, kits, or outfits (not weapons systems peculiar) which are subject to inspection and calibration procedures. Items of TMDE will be coded Class II H or VII H in the Army Master Data File (AMDF) and included in SB 700-20, if appropriate.

CLASS I—Subsistence including gratuitous health and welfare items.

CLASS II—Clothing, individual equipment, tentage, tool sets and tool kits, handtools, administrative and housekeeping supplies and equipment. Includes items of equipment, other than principal items, prescribed in authorization/allowance tables and items of supply (not including repair parts.)

CLASS III—POL: Petroleum fuels: lubricants, hydraulic and insulating oils, preservatives, liquid and compressed gases, chemical products, coolants, deicing and antifreeze compounds, together with components and additives of such products and coal.

CLASS IV—Construction: Construction materials to include installed equipment and all fortification/barrier materials.

CLASS V—Ammunition: Ammunition of all types (including chemical, radiological and special weapons), bombs, explosives, land mines, fuzes, detonators, pyrotechnics, missiles, rockets, propellants, and other associated items.

CLASS VI—Personal Demand Items (nonmilitary sales items).

CLASS VII—Major End Items: A final combination of end products which is ready for its intended use; (principal items), e.g., launchers, tanks, mobile machine shops, vehicles.

CLASS VIII—Medical material including medical peculiar repair parts.

CLASS IX—Repair parts and components to include kits, assemblies and subassemblies, reparable and non-reparable required for maintenance support of all equipment.

CLASS X—Materiel to support nonmilitary programs; e.g., Agriculture and Economic Development not included in classes I through IX.

*Figure 2-1. Classes of supply legend.*

**A—Air (aviation, aircraft, airdrop equipment):**

- (Class I—Food packet, inflight, individual.)
- (Class II—Items of supply and equipment in support of aviation/aircraft.)
- (Class III—Petroleum and chemical products used in support of aircraft.)
- (Class V—Munitions delivered by aircraft or aircraft weapons systems.)
- (Class VII—Major end items of aviation equipment.)
- (Class IX—Aircraft repair parts.)

**B—Troop Support Materiel:**

(Consists of such items as water purification sets, shower, bath, laundry, drycleaning and bakery equipment; sets, kits, and outfits; (includes tool and equipment sets and shop/equipment sets for performing organization, direct support, general support and depot level maintenance operations); sensors and interior intrusion devices; topographic equipment/and related topographic products as outlined in AR 115-11.)

**C—Operational Rations:**

(Includes accessory packet of health and comfort items in meal, combat, individual (MCI) or issue of ration supplement sundries pack in conjunction with B ration until PX facilities are established.)

**D—Commercial Vehicles:**

(Includes wheeled vehicles authorized for use in administrative or tactical operations.)

**E—General Supply Items:**

(Includes administrative expendable supplies such as typewriter ribbons, paper, cleaning materials and other supplies normally referred to as office supplies. Also includes publications distributed through AG channels.)

**F—Clothing and Textiles:**

(Includes individual and organization items of clothing and equipment authorized in allowance tables and tentage/paulins authorized in TOE or other media.)

*Figure 2-2. Subclassifications of supply legend.*



- G—Communications/Electronics (C-E):**  
(Includes signal items such as radio, telephone, teletype, satellite, avionics, marine communications and navigational equipment; tactical and nontactical ADP; radar; photographic audio visual and television equipment; infrared; Laser/Maser; electronic sensors, etc.)
- H—Test, Measurement and Diagnostic Equipment (TMDE):**  
(Includes items of equipment used to determine the operating efficiency or diagnose incipient problems in systems, components, assemblies and subassemblies of Army used materiel.)
- K—Tactical Vehicles:**  
(Includes trucks, truck tractors, trailers, semitrailers, personnel carriers, etc.)
- L—Missiles:**  
(Classes II, VII, and IX include guided missile and rocket systems such as NIKE-HERCULES, HAWK, LANCE, TOW and DRAGON.)  
(Class V includes guided missile ammunition items.)
- M—Weapons:**  
(Includes small arms, artillery, fire control systems, rocket launchers, machine guns, air defense weapons, aircraft weapon subsystems, etc.)
- N—Special Weapons:**  
(Class V—Includes nuclear and thermonuclear munitions.)  
(Class VII—Includes weapons systems which deliver nuclear munitions.)  
(Class IX—Includes repair parts for Class VII—N.)
- O—Combat Vehicles:**  
(Includes main battle tanks, recovery vehicles, self-propelled artillery, armored cars, tracked and half-tracked vehicles, etc.)
- P—SIGINT/EW and intelligence materiel**  
(Includes materiel peculiar to those mission areas assigned to FSC 5811 for which CDR DARCOM has responsibility. This subclass is identified separately from subclass G because of specialized supply and maintenance functions performed by a dedicated EW/SIGINT logistical system.)
- Q—Marine Equipment:**  
(Includes marine items of supply and equipment such as amphibious vehicles, landing craft, barges, tugs, floating cranes, dredges, etc.)
- R—Refrigerated Subsistence:**  
(Consists of two categories of refrigeration—that which is required to be maintained at 0°F (-17.8 C) to keep frozen meals and foods for extended periods and that which is to be maintained at approximately 40°F (4.4C) to keep perishables, such as fruits, vegetables, and eggs, contained in A rations for shorter periods.)
- S—Nonrefrigerated Subsistence:**  
(Includes items in standard B rations and nonperishable items in A rations.)
- T—Industrial Supplies:**  
(Common supplies and repair parts such as shop stocks, hardware, and fabrication-type items generally having multiple usage and/or application. Such items are generally managed by DISC.)
- U—COMSEC Material:**  
(This subclass is identified separately from subclass G because of specialized supply and maintenance functions performed through a dedicated COMSEC logistic system.)
- W—Ground:**  
(Class I—Water—when delivered as a supply item.)  
(Class III—Includes petroleum/chemical products and solid fuels used in support of ground and marine equipment.)  
(Class V—Conventional munitions—consists of chemical, smoke, illuminating, incendiary, riot control and improved conventional munitions.)  
(Classes II, VII, and IX—Consist of construction/road building and materials handling equipment, etc.)
- X—In Class—indicates no subclass assigned.**
- Y—Railway Equipment:**  
(Includes rail items of supply and equipment such as locomotives, railcars, rails, rail joining and shifting equipment, etc.)

Figure 2-2—continued.

Z—Chemical:

(Classes II, VII and IX—include chemical items such as gas masks, decontaminators, and smoke generators.)

(Class V—Consists of chemical toxic munitions.)

For class III the following subclasses apply:

- 1—Air, Bulk Fuels (includes jet fuels and aviation gasolines, normally transported by pipeline, rail tank car, tank, truck, barge, coastal or ocean-going tankers and stored in a tank or container having a fill capacity greater than 500 gallons).
- 2—Air, Packaged Bulk Fuels (includes fuels in subclass 1 which, because of operational necessity, are generally packaged and supplied in containers of 5- to 55-gallon capacity, except fuels in military collapsible containers of 500 gallons or less which also will be considered as packaged fuels).
- 3—Air, Packaged Petroleum Products (includes aircraft unique petroleum and chemical products consisting generally of lubricating oils, greases and speciality items normally packaged by the manufacturer and procured, stored, transported and issued in containers or packages of 55-gallon capacity or less).
- 4—Ground, Bulk Fuels (includes MOGAS, diesel, kerosene and heating oils, normally transported by pipeline, rail tank car, tank truck, barge, coastal or ocean going tankers and stored in a tank or container having a fill capacity greater than 500 gallons).
- 5—Ground, Packaged Bulk Fuels (includes ground bulk fuels which, because of operational necessity, are generally packaged and supplied in containers of 5- to 55-gallon capacity, except fuels in military collapsible containers of 500 gallons or less which also will be considered as packaged fuels).
- 6—Ground, Packaged Petroleum (includes petroleum and chemical products, generally lubricating oils, greases and speciality items normally packaged by the manufacturer and procured stored, transported and issued in containers of 55-gallon capacity or less).
- 7—Ground, Solid Fuels (includes coal, coke, heating tablets or bars, etc.).

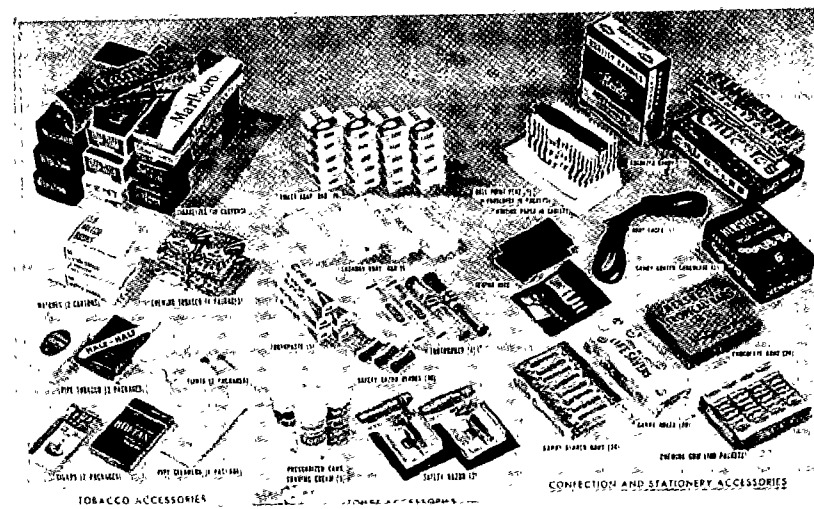
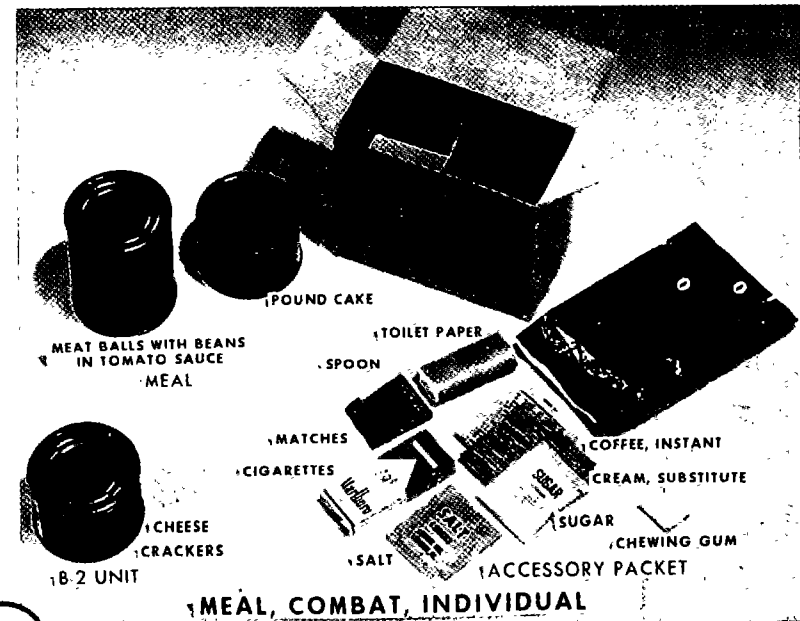
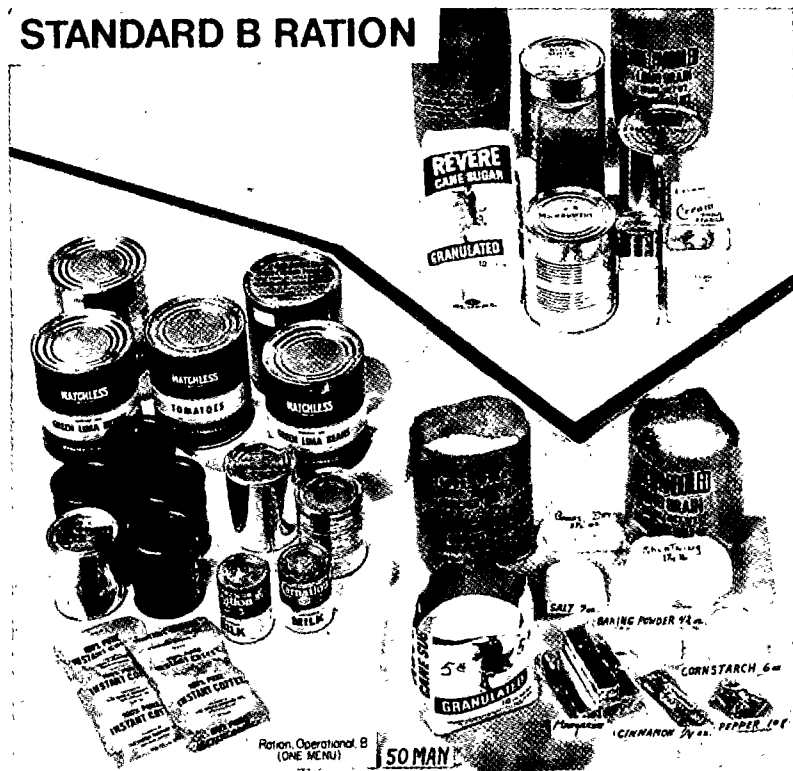
For class VIII the following subclasses apply:

- 1—Controlled substances.
- 2—Taxfree alcohol.
- 3—Precious metal.
- 4—Nonexpendable medical items, not restricted.
- 5—Expendable medical items, not restricted.
- 6—All drugs and related items FSC 6505, not otherwise restricted.
- 7 through 9—Commander-designated controlled items.
- 0—USAMMA—controlled sensitive items.

*Note.* So far as possible Alpha subclass designations are synonymous with Commodity Manager Codes (CMC) contained in such publications as SB 700-20, Army Adopted and Other Items of Materiel Selected for Authorization and SB 700-40, War Reserve Stockage List (WARSL). Moreover, since the Army Master Data File (AMDF) is the prime item data source for Army-used items of supply and equipment, each item is currently being coded by Supply Categories of Materiel Code (SCMC) as prescribed in AR 708-1, Cataloging and Supply Management Data, and broadcast to the field through Army Master Data File Retrieval Microform System (ARMS). Classes of supply are graphically portrayed at Figures 2-3 thru 2-12 to familiarize readers with visual examples of items contained in each major class.

Figure 2-2—continued.

## STANDARD B RATION



## RATION SUPPLEMENT, SUNDRIES PACK



Figure 2-3. Class I graphic.



**STANDARD B RATION**

**I**

**MEAL,  
COMBAT,  
INDIVIDUAL**



**RATION SUPPLEMENT,  
SUNDRIES PACK**



**FOOD PACKET,  
IN-FLIGHT,  
INDIVIDUAL**

*Figure 2-3—continued.*

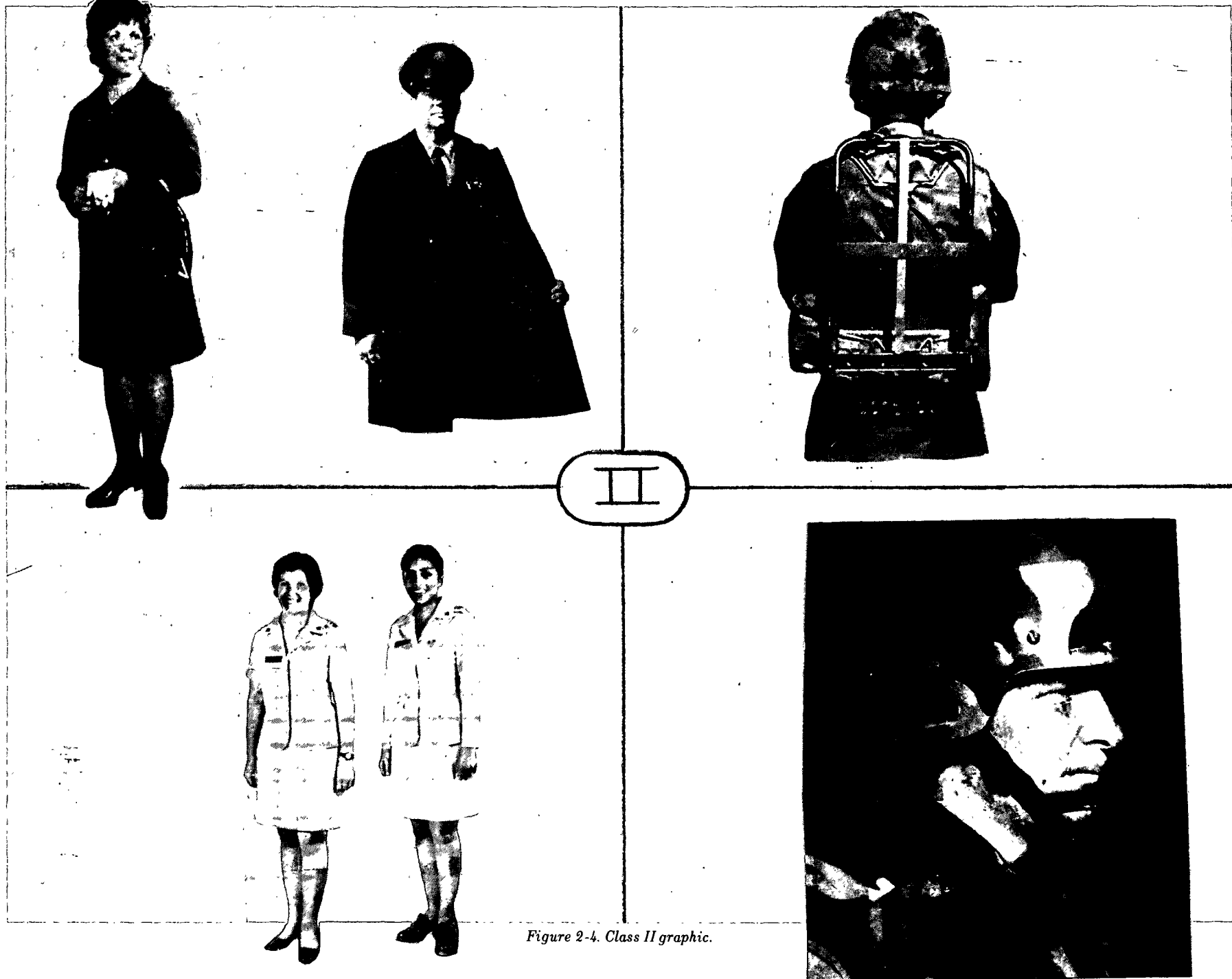


Figure 2-4. Class II graphic.

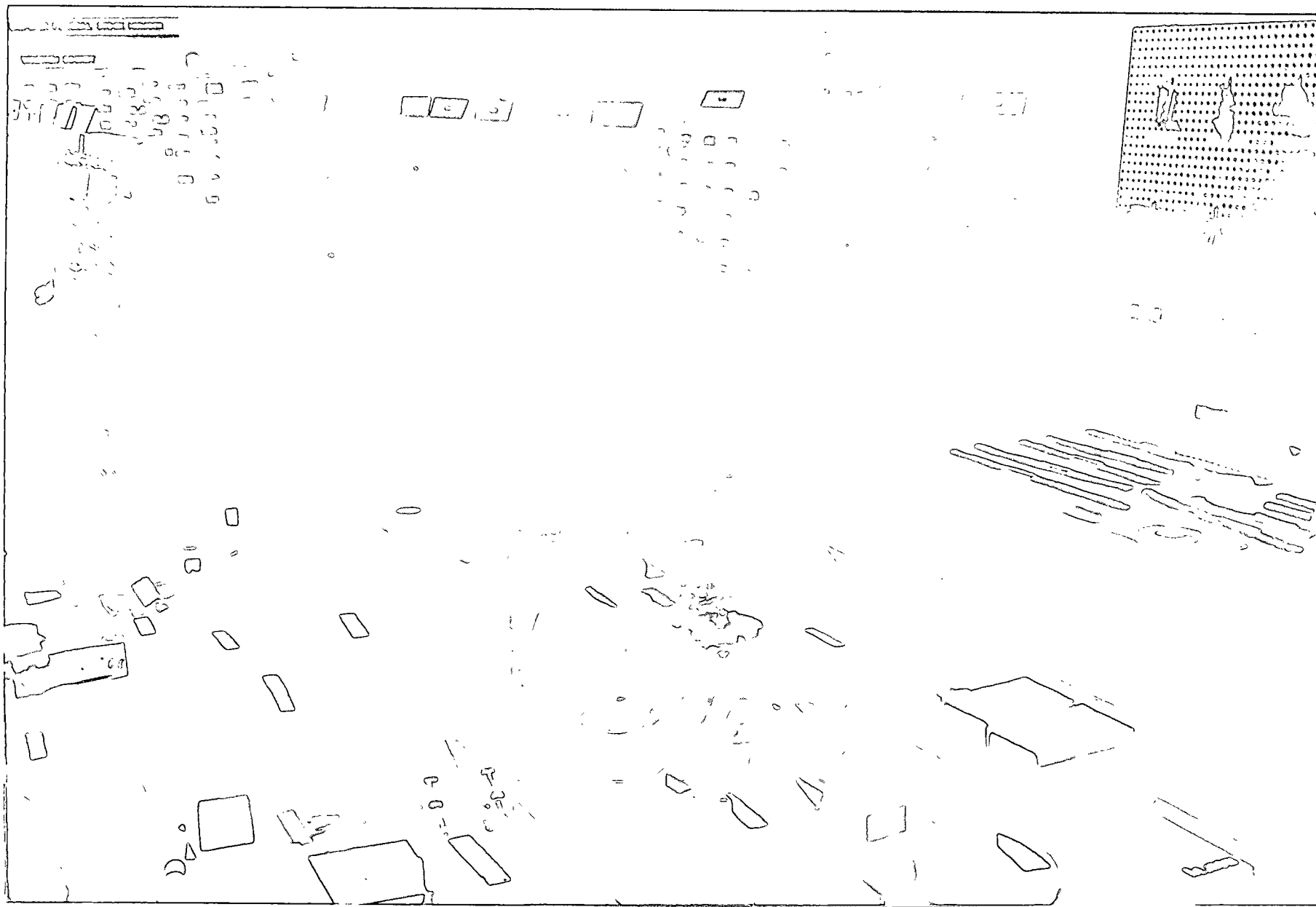
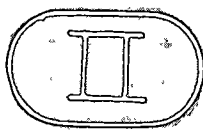
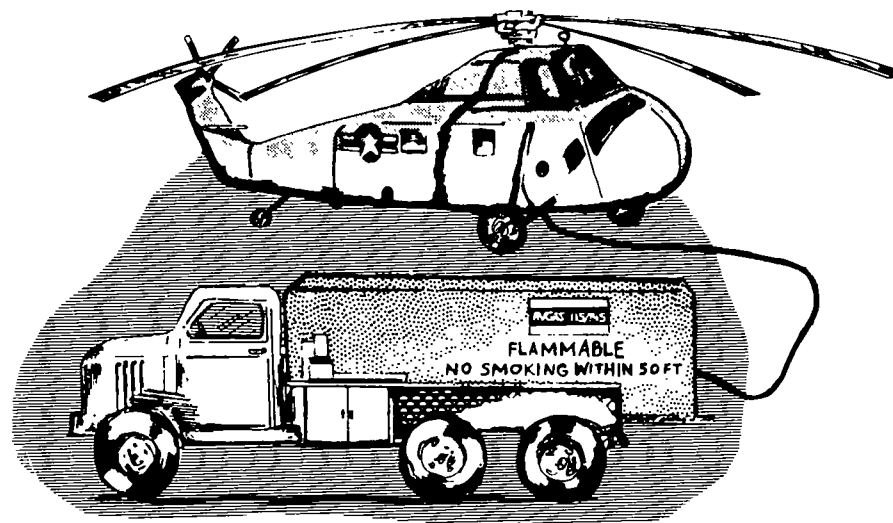
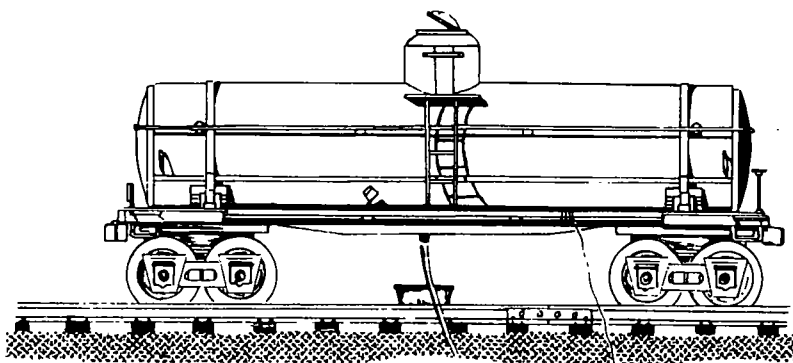


Figure 2-4—continued.



III

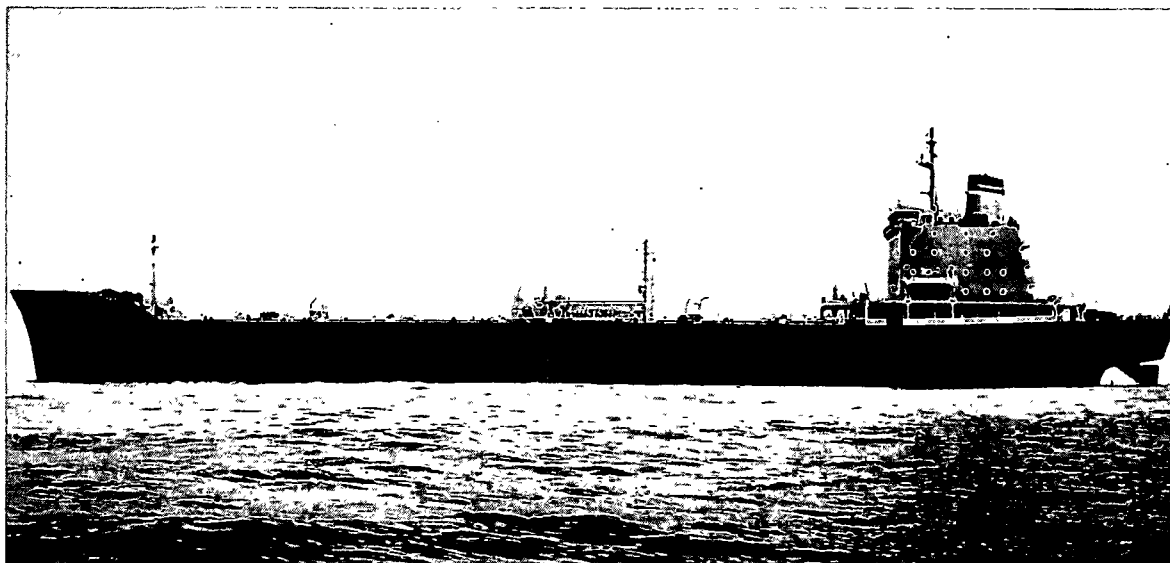
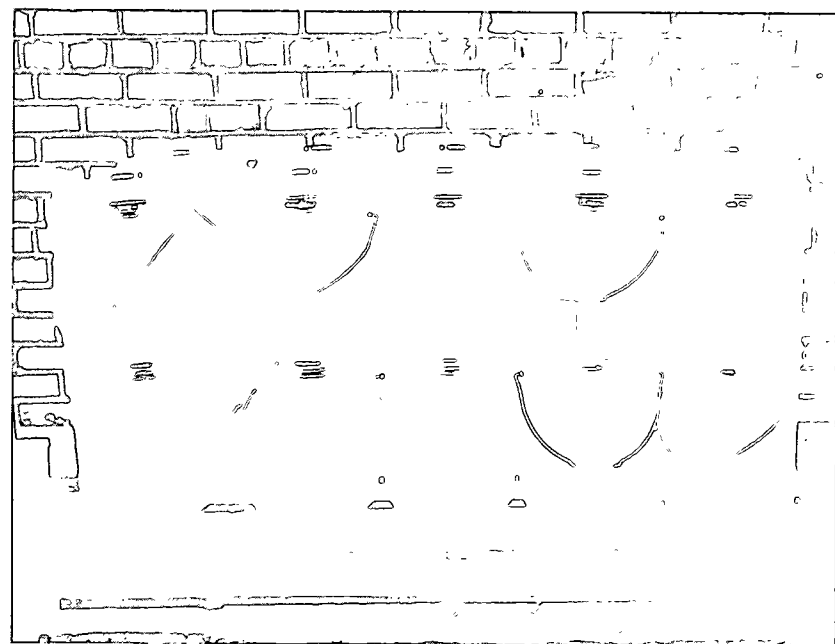


Figure 2-5. Class III graphic.



III

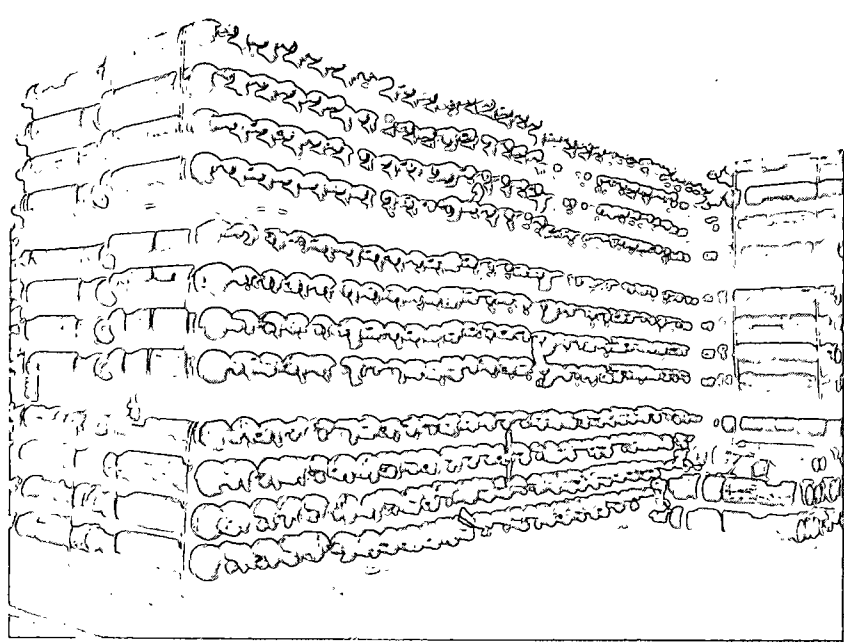
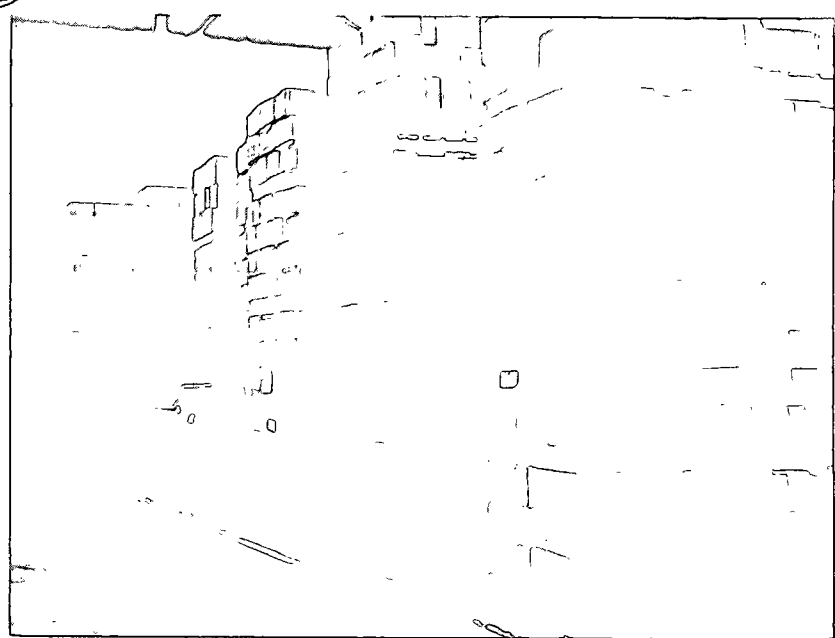
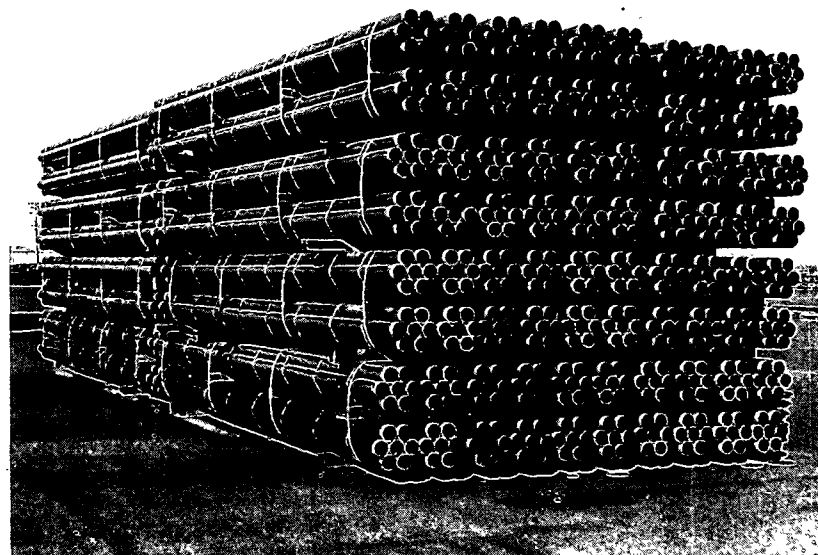
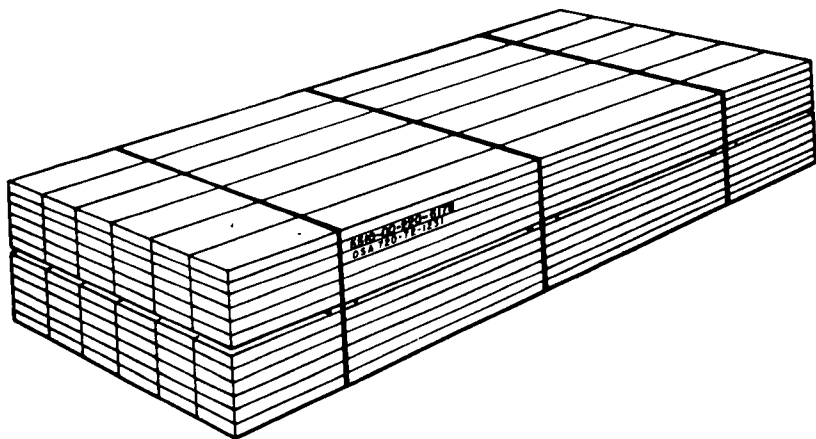


Figure 2-5—continued.





IV

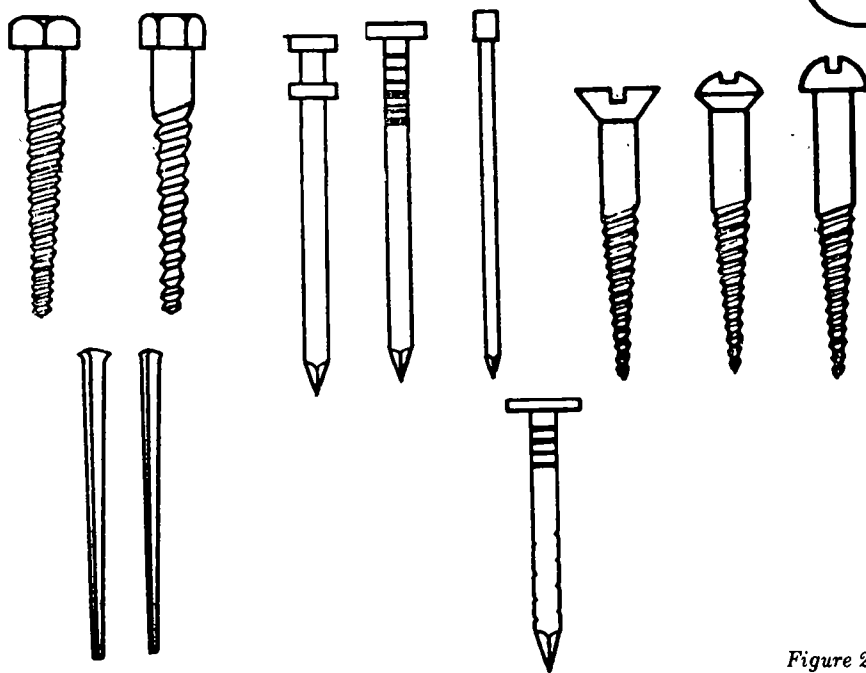
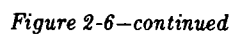
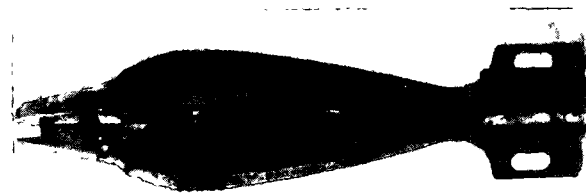
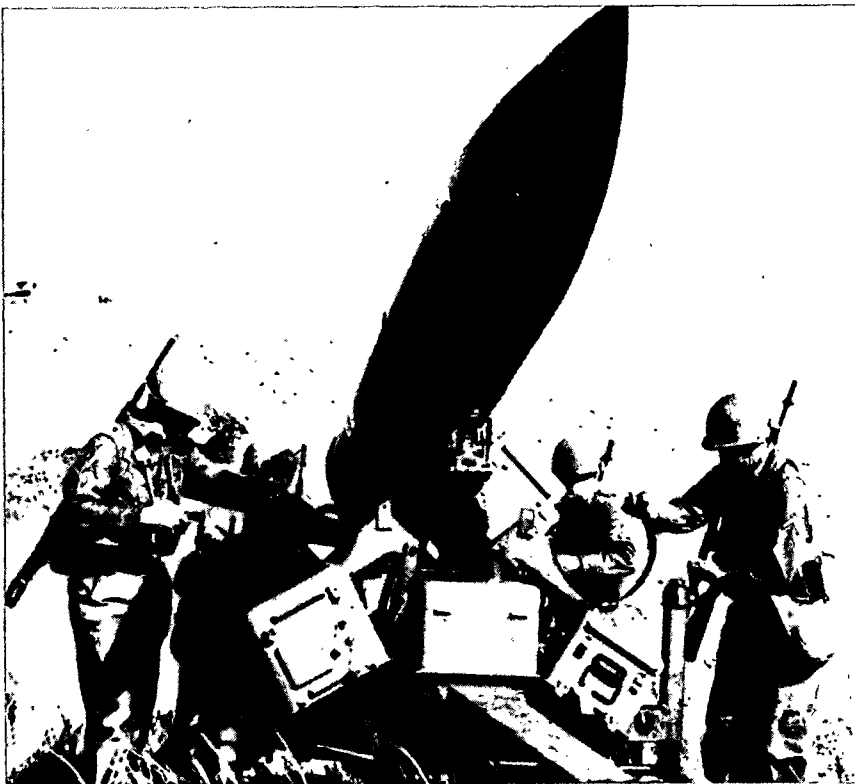


Figure 2-6. Class IV graphic.





V



Figure 2-7. Class V graphic.

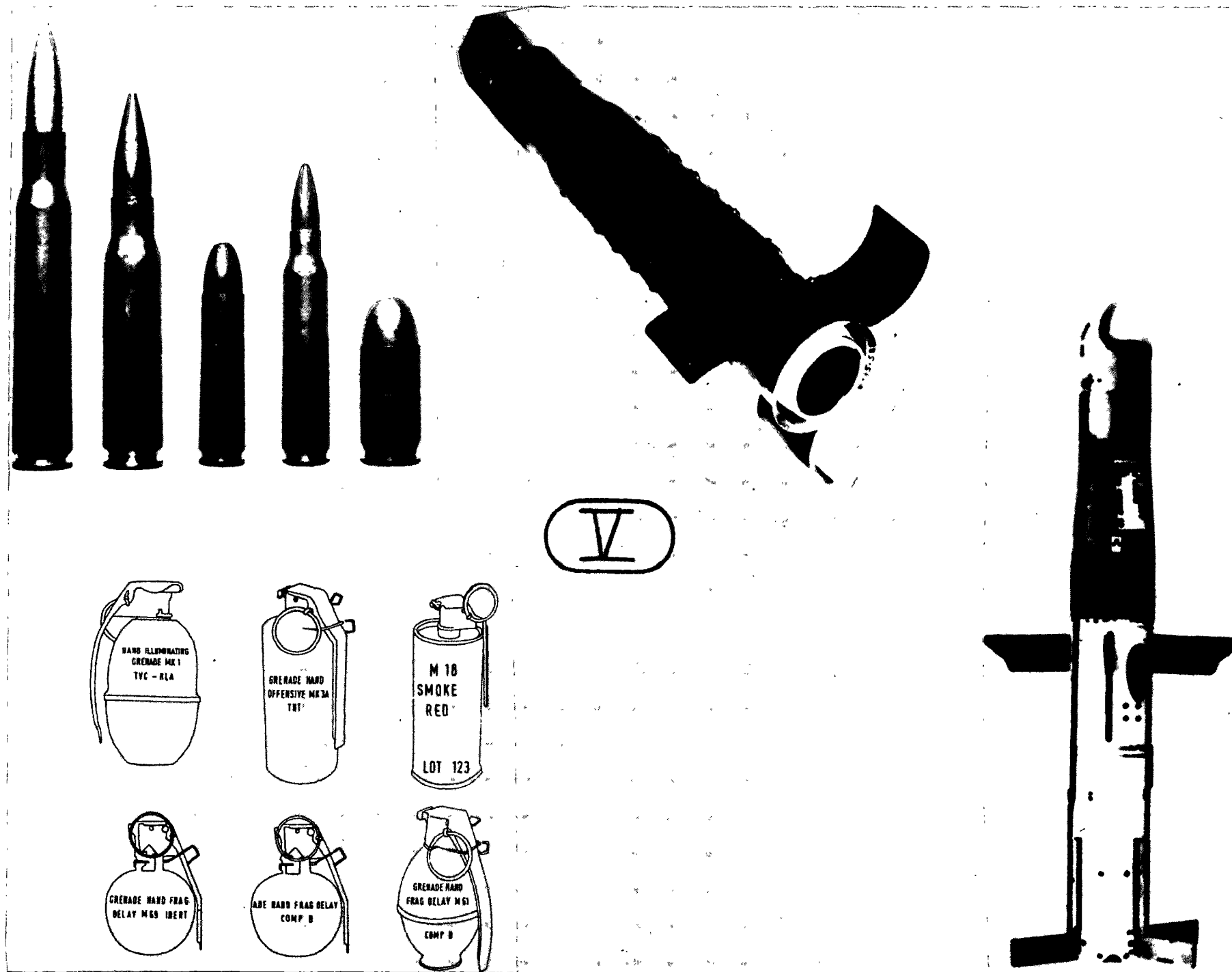


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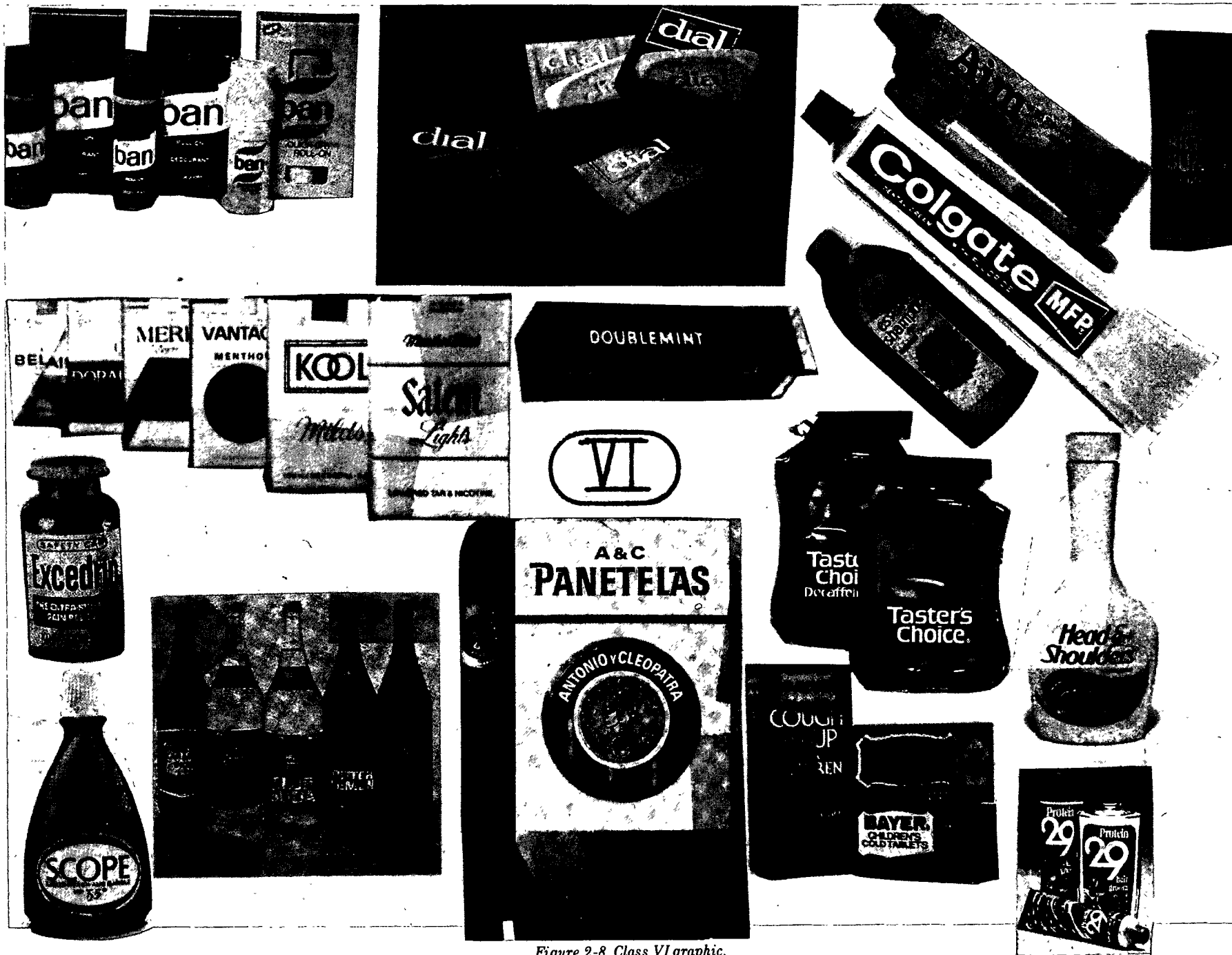


Figure 2-8. Class VI graphic.

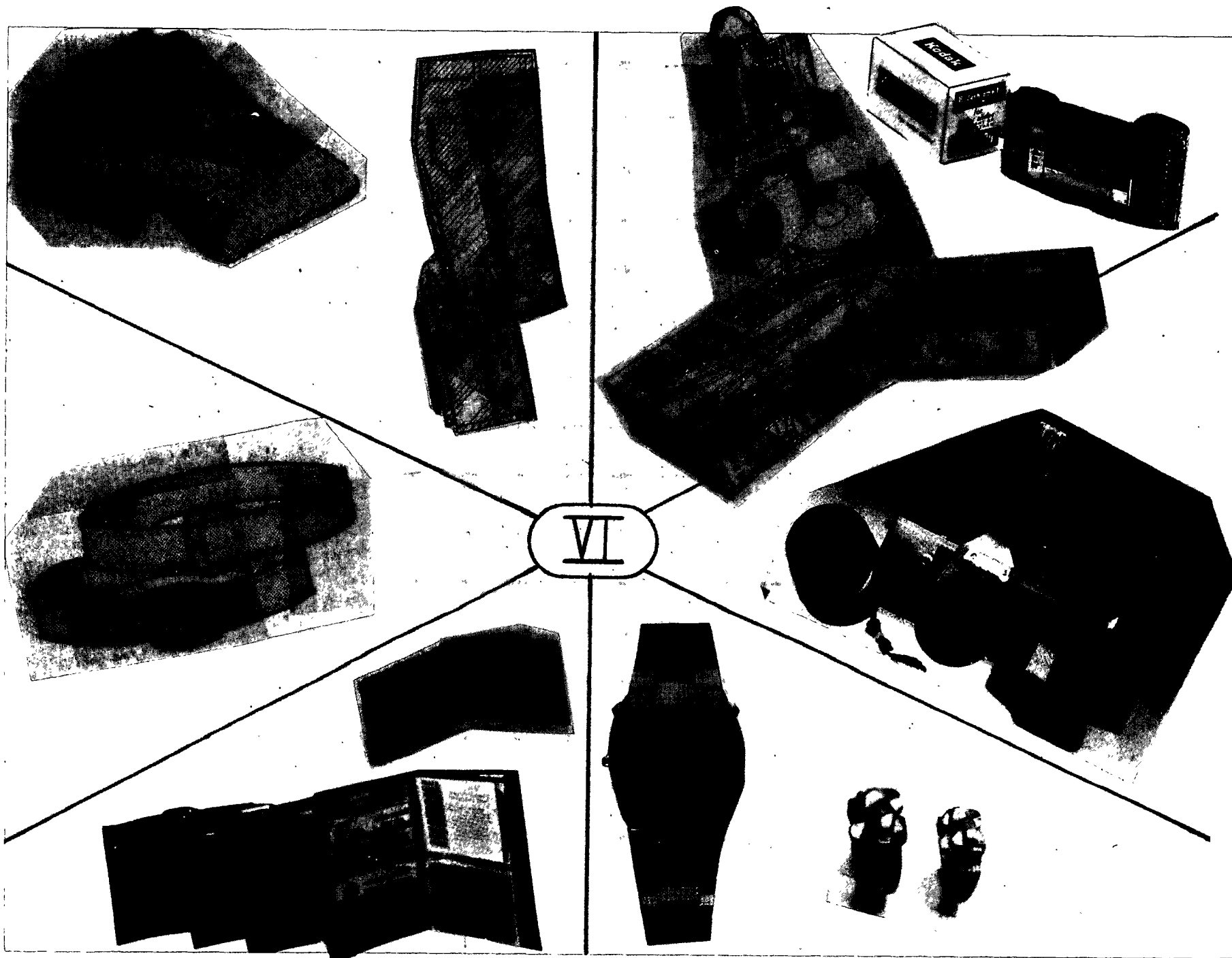


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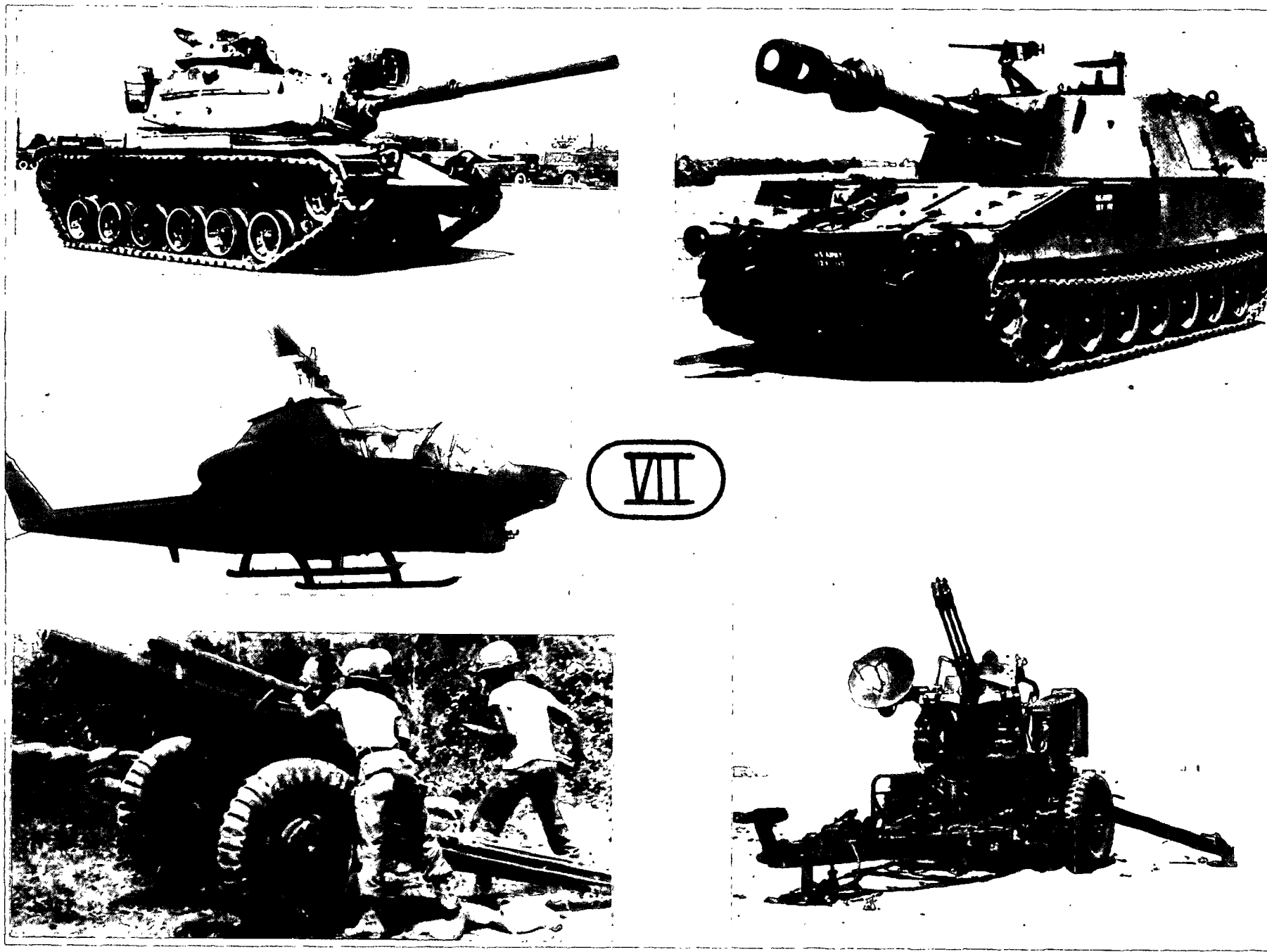


Figure 2-9. Class VII graphic.

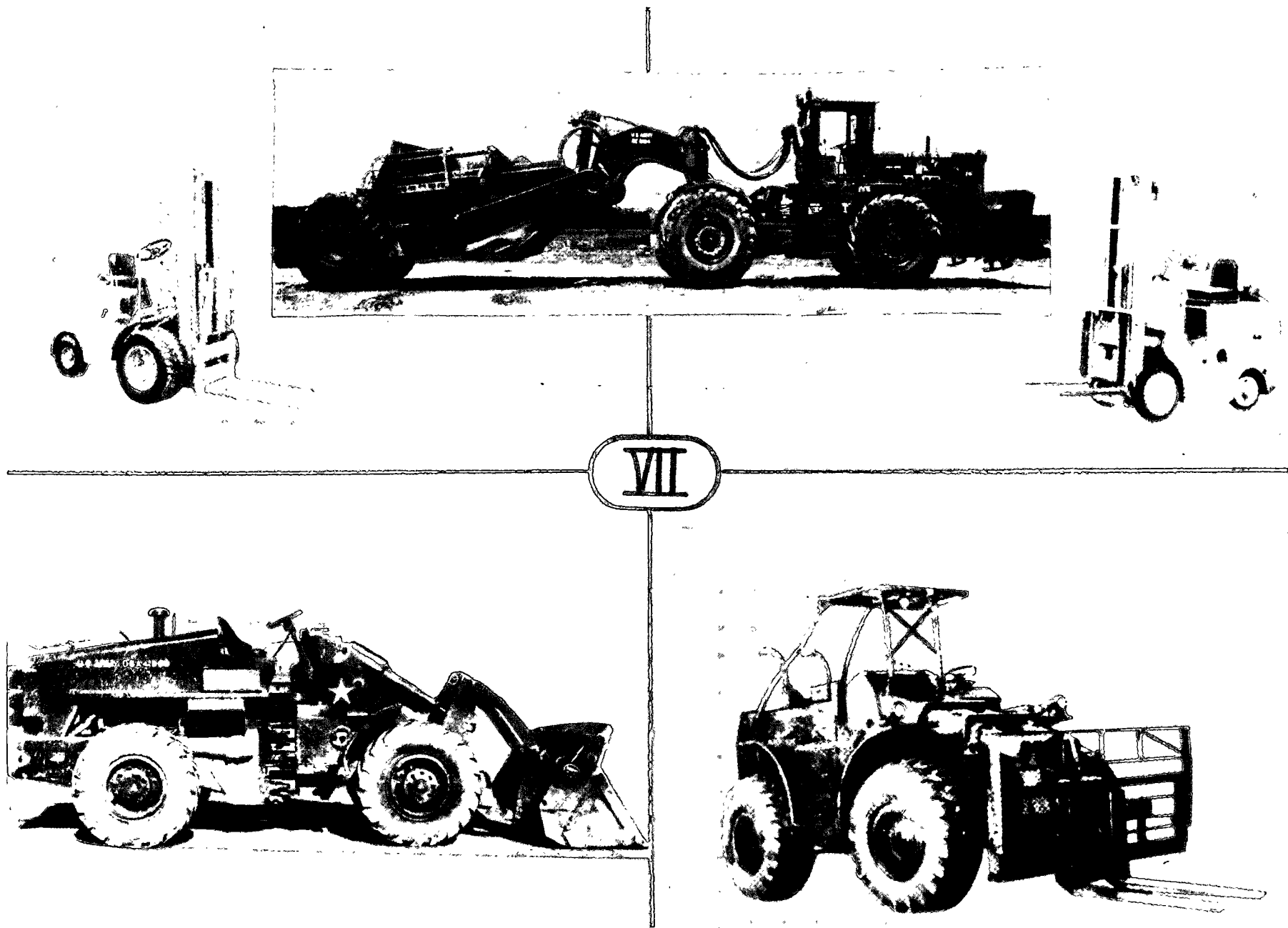
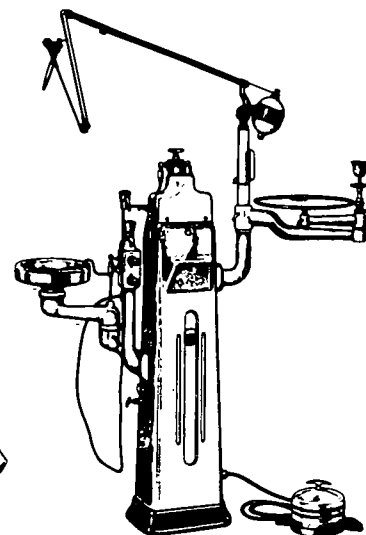
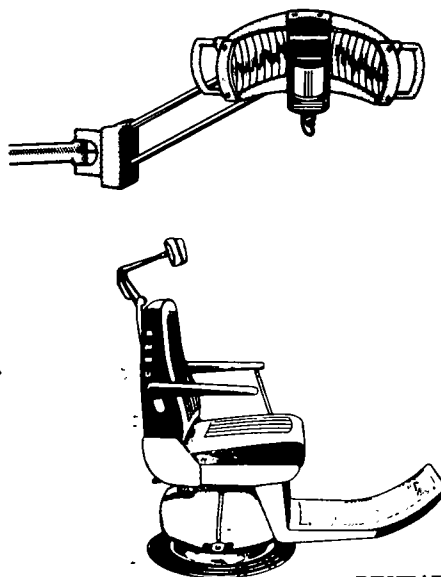
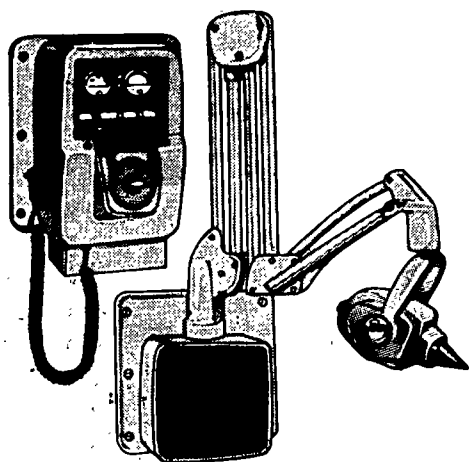


Figure 2-9—continued.





DENTAL

VIII

OPTICAL

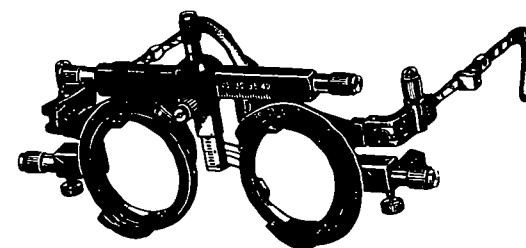
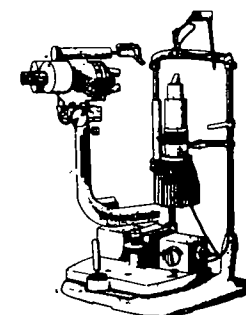
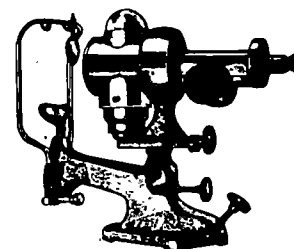
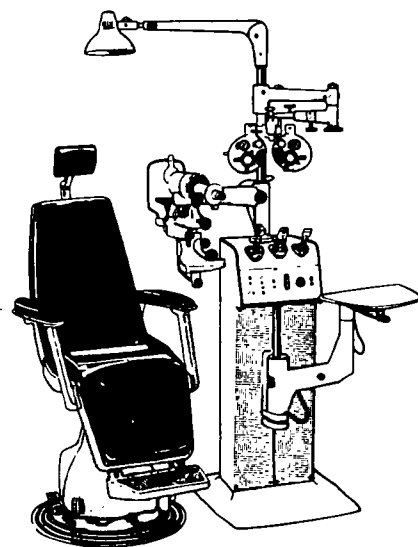
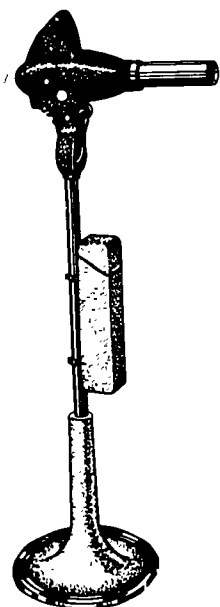


Figure 2-10. Class VIII graphic.

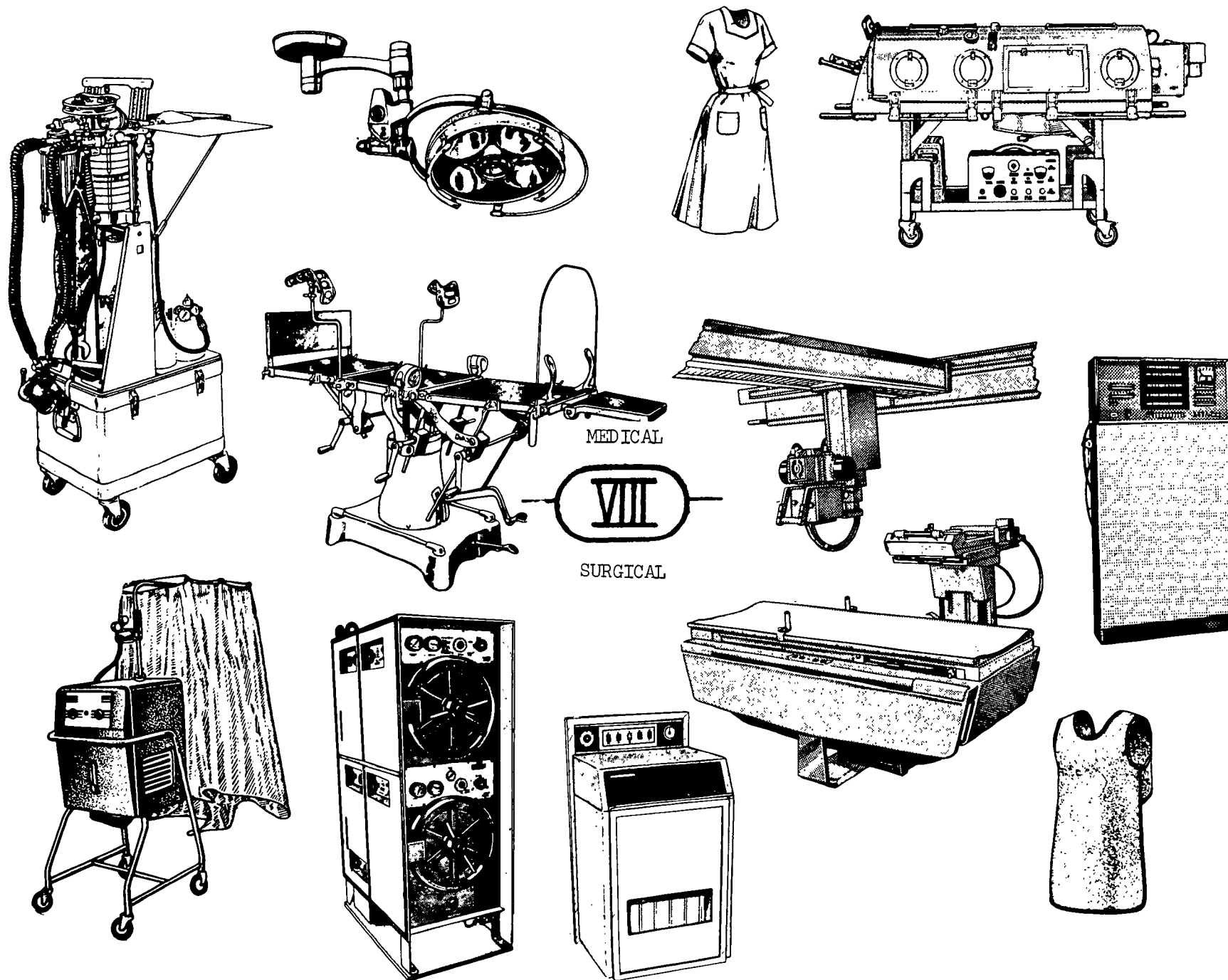
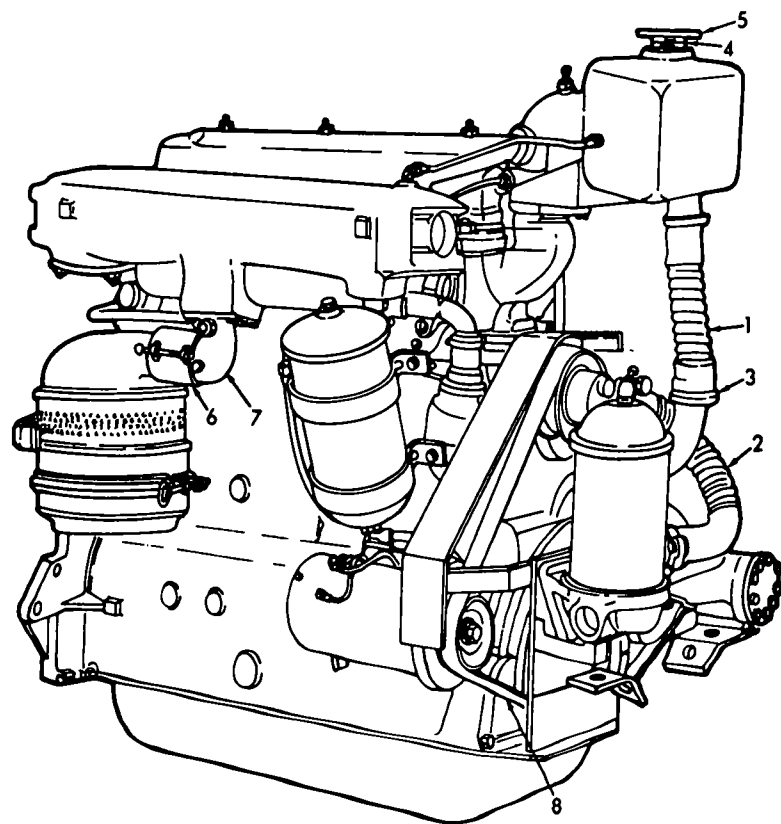


Figure 2-10—continued.



IX

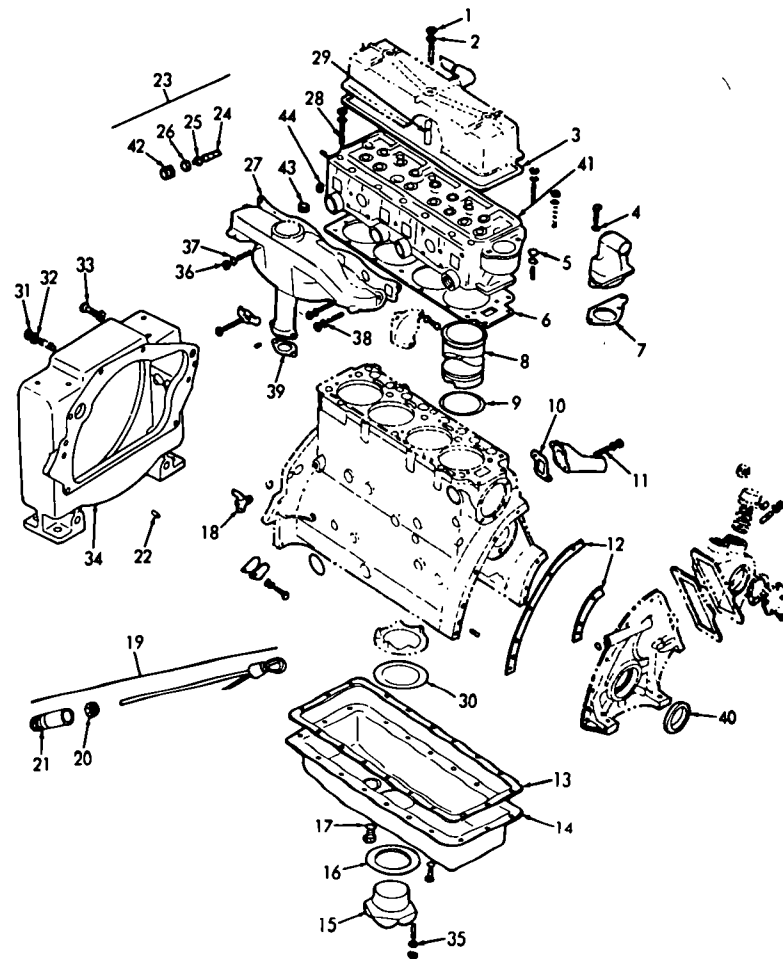
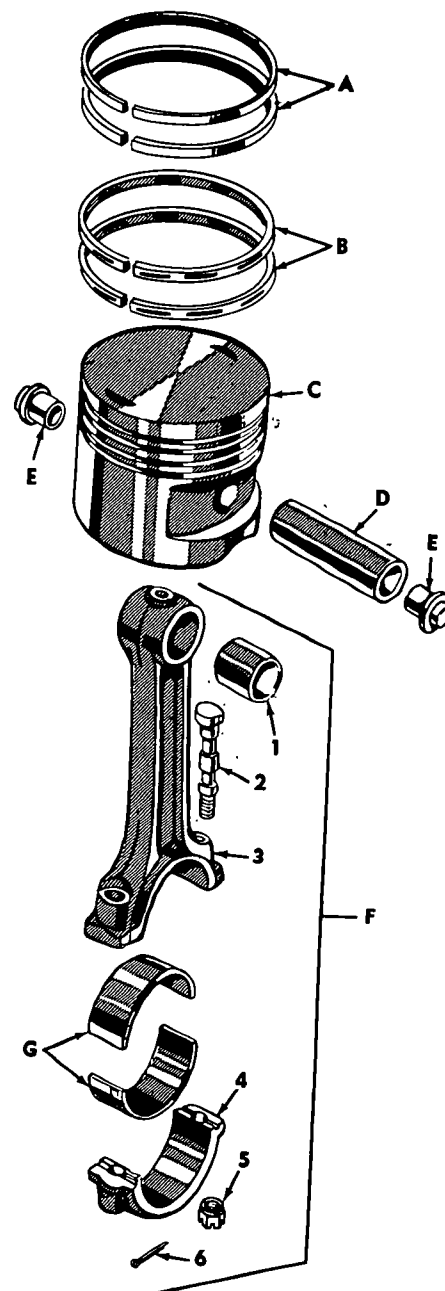


Figure 2-11. Class IX graphic.



IX

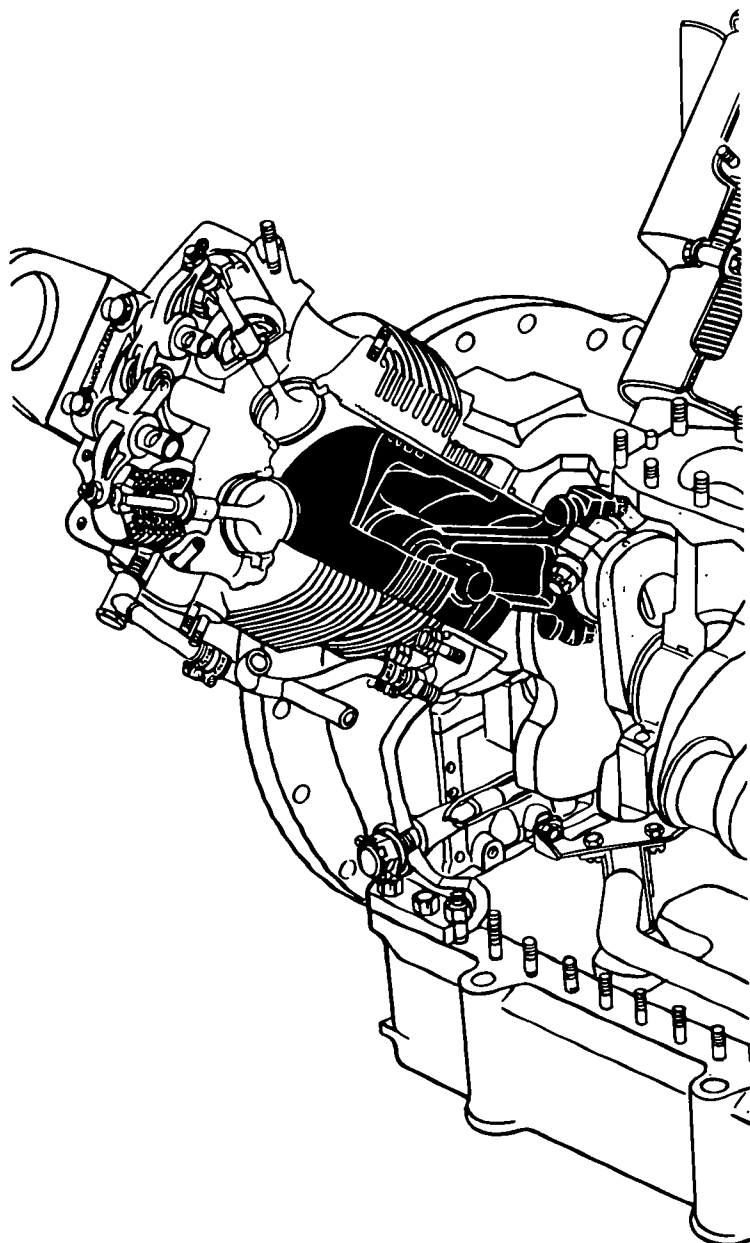


Figure 2-11—continued.

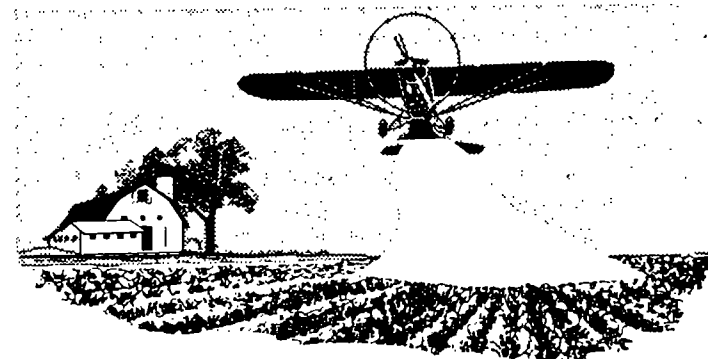
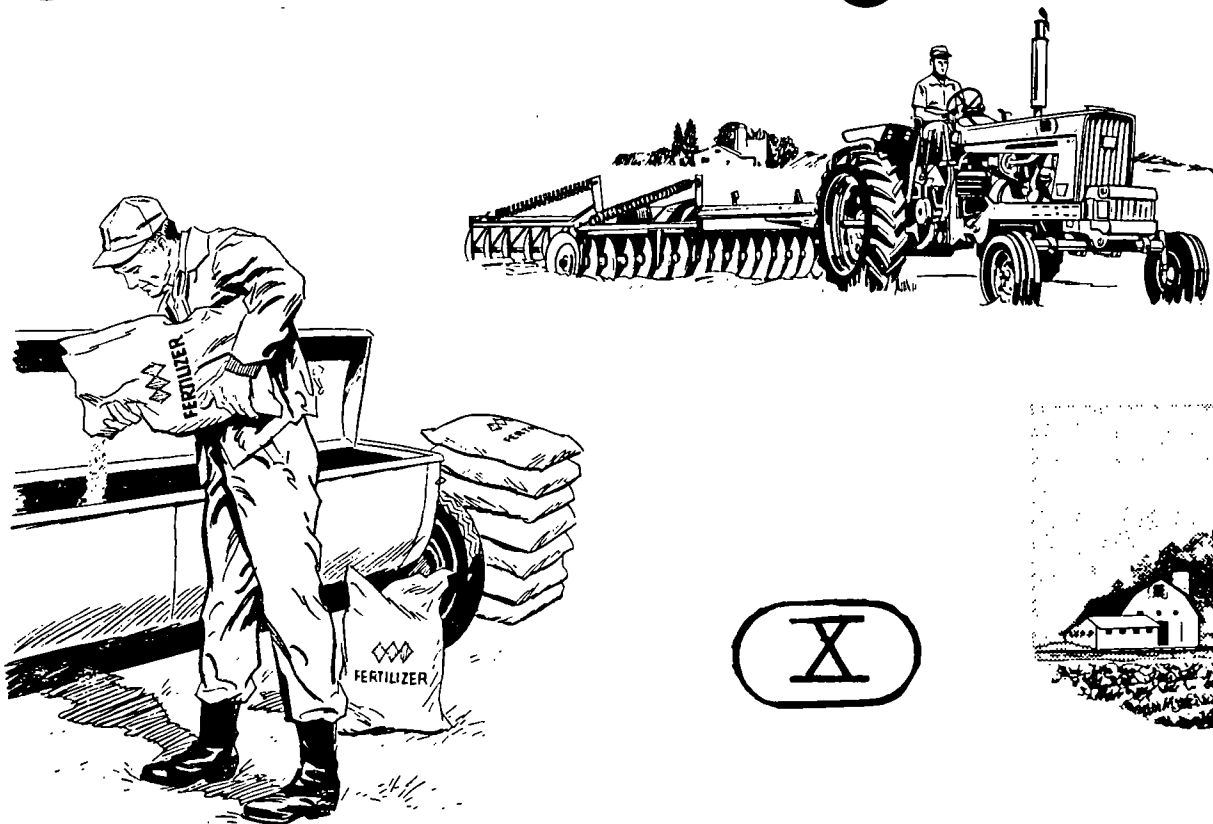


Figure 2-12. Class X graphic.



## CHAPTER 3

### RELATIONSHIPS

#### 3-1. Supply Units Relationship to Classes and Subclasses of Supply

The purpose of figure 3-1 is to relate classes and subclasses to CONUS and Army-in-the-field units which are responsible for receiving, storing and issuing supplies and equipment for military operations. Normally, the storage and distribution of supplies has been accomplished by supply organizations at the DS and GS levels, with the following exceptions, i.e. Class IX (repair parts) are stored and issued by DS maintenance units and Class VII A (aircraft) issued by GS Transportation Aircraft Maintenance Units. However, it is anticipated that the future general support supply and maintenance structure may be realigned by the Restructured General Support (RGS) Concept, formally Combat Oriented General Support (COGS), and will integrate GS supply and maintenance functions into six materiel oriented centers (FM 100-10). The storage and issue of general supplies will be accomplished through a General Supply Center. The General Support column of figure 3-1 reflects the probable future RGS organization structure.

#### 3-2. Maintenance Units Relationship to Classes and Subclasses of Supply

The purpose of figure 3-2 is to identify maintenance units which would normally perform maintenance on specific classes and subclasses of supply (and equipment). In most instances DS maintenance is performed by functional type units which perform repairs on a wide variety of subclass of equipment. Conversely, there are GS maintenance units which perform repairs on specific commodities or subclasses of equipment, e.g., aircraft, missiles, marine, rail, INSCOM, COMSEC, Armament/Combat Vehicles, Wheeled Vehicles, Electronics, Ground Support, etc.

#### 3-3. Transportation Relationships to Classes and Subclasses of Supply

The purpose of figure 3-3 is to identify the different modes of transportation required for certain subclasses of supply and the associated transportation activities involved in moving such supplies.

Class	Subclass	CONUS	General Support	Non-Division Support	Division Support
I	A	Commercial/DSA	General Supply Center	Supply & Service (DS) Co.	Supply & Service Co.
	R	Commercial	General Supply Center	Supply & Service (DS) Co.	Supply & Service Co.
	S	DLA	General Supply Center	Supply & Service (DS) Co.	Supply & Service Co.
	C	DLA/DARCOM	General Supply Center	Supply & Service (DS) Co.	Supply & Service Co.
	W	GSA	General Supply Center	Supply & Service (DS) Co.	Supply & Service Co.
II	B, E, F	DLA/DARCOM/GSA Depots	General Supply Center	Supply & Service (DS) Co.	Supply & Service Co.
	M, O, Z	DARCOM Depots	Arm't & Cbt Veh Center	Supply & Service (DS) Co.	Supply & Service Co.
	D, K	DARCOM Depots	Wheeled Veh Cen	Supply & Service (DS) Co.	Supply & Service Co.
	G, H	DARCOM, DLA Depots	Electronics Cen	Supply & Service (DS) Co.	Supply & Service Co.

Figure 3-1. Classes of supply—storage and distribution elements.

Class	Subclass	CONUS	General Support	Non-Division Direct Support	Division
II	B, W	DARCOM Depots	Ground Spt Cen	Supply & Service (DS) Co.	Supply & Service Co.
	A	DARCOM Depots	— AVIM —		— AVUM —
	L	DARCOM Depots	Missile Spt Cen	Supply & Service (DS) Co.	Supply & Service Co.
	Q	DARCOM Depots	Floating Craft GS Co.	Trans Lighterage Maint Co.	None
	Y	DARCOM Depots	Diesel-Elec Loco GS Rep Co.	None	None
	Y	DARCOM Depots	Railway Sup & Car GS Rep Co.	None	None
	P	DARCOM Depots	INSCOM Units	INSCOM Units	
	U	DARCOM Depots	COMSEC Logistic Support Activities	Signal Battalion	Signal Battalion
III	A (1) W (4)	Commercial/DLA	QM Petroleum Sup Co.	Supply & Service (DS) Co.	Supply & Service Co.
	A (2-3) W (5-7)	Commercial/DLA	General Supply (GS) Co.	Supply & Service (DS) Co.	Supply & Service Co.
IV	X	Commercial/DLA	General Supply Center	Supply & Service (DS) Co.	Supply & Service Co.
V	A, W, L	DARCOM Depots	AMMO Co. DS/GS GS (ASP)	Spec AMMO Co. DS (SASP)	None (Basic Load)
	Z	DARCOM Depots	Spec AMMO Co. GS (SASP)	Spec AMMO Co. DS (SASP)	None
	N	AEC/DARCOM Depots	Spec AMMO Co. GS (SASP)	Spec AMMO Co. DS (SASP)	None Specified
VI	X	Commercial/Army AF Exchange System	Army/AF Exchange System	Army/AF Exchange System	Unit Exchange
VII	A	DARCOM Depots	— AVIM —		— AVUM —
	B, W	DARCOM Depots	Ground Support Center	Supply & Svc (DS) Co.	Supply & Svc Co.
	M, O, Z	DARCOM Depots	Arm't & Cbt Veh Cen	Supply & Svc (DS) Co.	Supply & Svc Co.
	D, K	DARCOM Depots	Wheeled Veh Cen	Supply & Svc (DS) Co.	Supply & Svc Co.
	G, H	DARCOM Depots	Electronics Cen	Supply & Service (DS) Co.	Supply & Service Co.
	L	DARCOM Depots	Missile Spt Cen	Supply & Service (DS) Co.	Supply & Service Co.
	Q	DARCOM Depots	Floating Craft GS Co.	Trans Lighterage Maint Co.	None
	Y	DARCOM Depots	Diesel-Elec Loco GS Rep Co.	None	None
	Y	DARCOM Depots	Railway Sub & Car GS Rep Co.	None	None
	P	DARCOM Depots	INSCOM Units	INSCOM Units	
	U	DARCOM Depots	COMSEC Logistic Support Activities	Signal Battalion	Signal Battalion
VIII	1-0	DLA Depots	MEDSOM	MEDSOM	MEDSOM
IX	A	DARCOM Depots	— AVIM —		— AVUM —

Figure 3-1—continued.



Class	Subclass	CONUS	General Support	Non-Division Support	Division Support
IX	M, O, Z	DARCOM Depots	Arm't Cbt Veh Cen	Maint Bn (DS)	Maint Bn
	D, K	DARCOM Depots	Wheel Veh Cen	Maint Bn (DS)	Maint Bn
	G, H	DARCOM, DLA Depots	Electronics Cen	Maint Bn (DS)	Maint Bn
	B, W	DARCOM Depots	Ground Spt Cen	Maint Bn (DS)	Maint Bn
	L	DARCOM Depots	Missile Spt Cen	Maint Bn (DS)	Maint Bn
	Q	DARCOM Depots	Floating Craft GS Co.	Trans Literage Maint Co.	None
	T	DLA/GSA Depots	Repair Parts Cen	Maint Bn (DS)	Maint Bn
	N	DARCOM Depots	Spec AMMO Co. GS	Spec AMMO Co. DS	
	P	DARCOM Depots	INSCOM Units	INSCOM Units	
	U	DARCOM Depots	COMSEC Logistic Spt Activities	COMSEC Logistic Spt Activities	Signal Battalion
X	X	DLA/GSA/Commercial Depots	General Supply Center	Supply and Service (DS) Co.	Supply and Service (DS) Co.

Figure 3-1.—continued.

Class	Subclass	CONUS	General Support	Non-Division Support	Division Support
I	ALL	Commercial/DSA/DARCOM	General Supply GS Co.	Supply & Service DS Co.	Supply & Service Co.
II	A	DARCOM Depots	— AVIM —		— AVUM —
	B, W	DARCOM Depots	Ground Spt Cen	Light Maint (DS) Co.	Forward Spt Maint Co.
	G	DARCOM Depots	Electronics Cen	Light Maint (DS) Co.	Forward Spt Maint Co.
	L	DARCOM Depots	Missile Spt Cen	Guided Missile DS	Ord Missile Spt
	M, O, Z	DARCOM Depots	Arm't Cbt Veh Cen	Light Maint (DS) Co.	Forward Spt Maint Co.
	Q	DARCOM Depots	Floating Craft GS Co.	Trans Light-(DS) Co.	None
	Y	DARCOM Depots	Diesel-Elec Loco GS Rep Co.	None	None
	Y	DARCOM Depots	Railway Sup & Car GS Rep Co.	None	None
	D, K	DARCOM Depots	Wheel Veh Cen	Light Maint (DS) Co.	Forward Spt Maint Co.
	P	DARCOM Depots	INSCOM Units	INSCOM Units	
	U	DARCOM Depots	COMSEC Logistics Spt Activities	Signal Battalion	Signal Battalion
III	A (1-3) W (4-7)	None	None	None	None

Figure 3-2. Classes of supply—maintenance elements.

Class	Subclass	CONUS	General Support	Non-Division Support	Division Support
IV	X	DLA/DARCOM Depots	None	None	None
V	A, W, L	DARCOM Depots	AMMO Co. DS/GS	AMMO Co. DS	None
	Z	DARCOM Depots	Spec AMMO GS Co	Spec AMMO DS Co	None
	N N	AEC/DARCOM	Spec AMMO GS Co	Spec AMMO DS Co	None
VI	X	None	None	None	None
VII	A	DARCOM Depots	—————AVIM—————	————— —————	—————AVUM—————
	B, W	DARCOM Depots	Ground Spt Cen	Light Maint (DS) Co.	Forward Spt Maint Co.
	M, O, Z	DARCOM Depots	Arm't Cbt Veh Cen	Light Maint (DS) Co.	Forward Spt Maint Co.
	L	DARCOM Depots	Missile Spt Cen	Guided Missile DS Co.	Ord Missile Spt
	N	DARCOM Depots	Spec AMMO GS Co	Spec AMMO DS Co.	None
	D, K	DARCOM Depots	Wheel Veh Cen	Light Maint (DS) Co.	Forward Spt Maint Co.
	Q	DARCOM Depots	Floating Craft GS Rep Co.	Trans Lighterage DS Co.	None
	Y	DARCOM Depots	Diesel-Elec Loco GS Rep Co.	None	None
	Y	DARCOM Depots	Railway Sup & Car GS Rep Co.	None	None
	P	DARCOM Depots	INSCOM Units	INSCOM Units	
	U	DARCOM Depots	COMSEC Logistics Sup Activities	Signal Battalion	Signal Battalion
VIII	1-Ø	DLA Depots	MEDSOM	MEDSOM	MEDSOM
IX	A	DARCOM Depots	—————AVIM—————	————— —————	—————AVUM—————
	M, O, Z	DARCOM Depots	Arm't & Cbt Veh Cen	Light Maint (DS) Co.	Forward Spt Maint Co.
	D, K	DARCOM Depots	Wheel Veh Cen	None	None
	G	DARCOM Depots	Electronics Cen	Light Maint (DS) Co.	Forward Spt Maint Co.
	L	DARCOM Depots	Missile Spt Cen	Guided Missile DS Co.	Ord Missile Spt
	N	DARCOM Depots	Special AMMO GS Co.	Special AMMO DS Co.	None
	Q	DARCOM Depots	Floating Craft GS Rep Co.	Trans Lighterage DS Co.	None
	Y	DARCOM Depots	Diesel-Elec Loco GS Rep Co.	None	None
	Y	DARCOM Depots	Railway Sup & Car GS Rep Co.	None	None
	B, W	DARCOM Depots	Ground Spt Cen	Light Equip DS Co.	Forward Spt Maint Co.
	P	DARCOM Depots	INSCOM Units	INSCOM Units	
	U	DARCOM Depots	COMSEC Logistic Sup Activities	Signal Battalion	Signal Battalion
X		None	None	None	None

Class	Subclass	CONUS	General Support	Non-Division Direct Support	Division
I	A,C,S, W,R <sup>1</sup>	DARCOM/DLA/ MTMC,RT,MT,WT, AT <sup>3</sup>	Trans Cmd RT,TM,AT,WT	Trans Bde RT,MT,AT,WT	DISCOM S&T Bn MT, AT <sup>3</sup> ,WT
II	ALL	DARCOM/DLA MTMC,RT,MT,WT, AT <sup>3</sup>	Trans Cmd RT,MT,AT,WT	Trans Bde RT,MT,AT,WT	DISCOM S&T Bn MT, AT <sup>3</sup> ,WT
III	A-1 <sup>5</sup> W-4 <sup>5</sup>	DARCOM/DLA MTMC,RT,MT,WT AT <sup>3</sup>	Trans Cmd RT,MT,AT,WT	Trans Bde RT,MT,AT,WT	DISCOM S&T Bn MT, AT <sup>3</sup> ,WT
IV		DARCOM/DLA MTMC,RT,MT,WT AT <sup>3</sup>	Trans Cmd RT,MT,AT,WT	Trans Bde RT,MT,AT,WT	DISCOM S&T Bn MT, AT <sup>3</sup> ,WT
V	A,W,L	DARCOM/MTMC RT,MT,WT,AT <sup>3</sup>	Trans Cmd RT,MT,AT,WT	Trans Bde RT,MT,AT,WT	DISCOM S&T Bn MT, AT <sup>3</sup> ,WT
	Z	DARCOM/MTMC/ MAC RT,MT,WT,AT <sup>3</sup> , <sup>4</sup>	at <sup>4</sup>	at <sup>4</sup>	at <sup>4</sup>
	N	DARCOM/ MTMC/MAC at <sup>4</sup>	at <sup>4</sup>	at <sup>4</sup>	at <sup>4</sup>
VI	X	MTMC RT,MT,WT, AT <sup>3</sup>	Trans Cmd RT,MT,AT,WT	Trans Bde RT,MT,AT,WT	DISCOM S&T Bn MT, AT <sup>3</sup> ,WT
VII	ALL	DARCOM/DLA/ MTMC RT,MT,WT, AT <sup>3</sup>	Trans Cmd RT,MT,AT,WT	Trans Bde RT,MT,AT,WT	DISCOM S&T Bn MT, AT <sup>3</sup> ,WT
VIII	1-Ø	TSG/DLA/MTMC RT,MT,WT,AT	Trans Cmd RT,MT,AT,WT	Trans Bde RT,MT,AT,WT	DISCOM S&T Bn MT, AT <sup>3</sup> ,WT
IX	ALL	DARCOM/DLA MTMC RT,MT,WT,AT	Trans Cmd RT,MT,AT,WT	Trans Bde RT,MT,AT,WT	DISCOM S&T Bn MT, AT <sup>3</sup> ,WT
X	X	DARCOM/DLA/GSA MTMC RT,MT,WT, AT <sup>3</sup>	Trans Cmd RT,MT,AT,WT	Trans Bde RT,MT,AT,WT	DISCOM S&T Bn MT, AT <sup>3</sup> ,WT

## Legend:

RT—Rail transportation  
MT—Motor transportation  
AT—Air transportation  
WT—Water transportation

## Notes:

<sup>1</sup>Requires refrigeration equipment.  
<sup>2</sup>With aircraft organic to division.  
<sup>3</sup>Only as directed.  
<sup>4</sup>Normally moved by air with technical escort.  
<sup>5</sup>Requires tank facilities to move bulk petroleum.

Figure 3-3. Classes of supply—transportation elements.



1

2

3



4

5

6



## CHAPTER 4

### COLOR MARKING

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#### 4-1. Background/Rationale

a. Color marking of shipping containers was introduced and utilized effectively during WW II and Korea when color corner markings representing the seven technical services were applied to shipments of supplies destined for oversea areas. This procedure provided a hasty means of identifying and segregating supplies during over the beach landing operations or at ports of embarkation or debarkation, in peace or war. However, since technical service units and depots were abolished in 1962, the procedure to identify shipments by color markings was discontinued, but partially reinstituted for marking Army Class II and IV supplies destined for Southeast Asia in 1966 as shown in figure 4-1. The need for a procedure to color mark supply shipments during peacetime may not appear to be warranted based on increased preparation for shipment cost. However, the need for color marking supplies during wartime not only appears to be warranted but is essential when supplies require hasty identification by supply, maintenance and transportation activities. Color marking should be done in peacetime because it will be too late to color mark supplies in the pipeline once a wartime situation exists.

b. Consequently, a color marking concept, based on the classes of supply, has been developed and is set forth in figure 4-2. The colors are in keeping with an international color-numeric code used to cross-reference color and noncolor reproductions of electronic resistors in wiring diagrams. The color marking concept shown in figure 4-3 has been included in MIL STD 129 and makes possible the identification of the contents of shipping containers by class and subclass of supply. The use of color marking during retrograde movements will provide added benefits to supply and transportation activities alike. Although not normally used during peacetime, color marking has been requested to be included in current logistics training curricula. In addition, stocks obligated for emergency, mobilization or contingency purposes should, when directed by HQDA, be color marked to provide an exterior identification of containers, to assist in expediting movement and in aiding personnel involved in the segregation and storage of supplies during wartime.

#### 4-2. Flow of Supplies into a Theater Direct Support (DS) Area

In shipping supplies into a division or nondivisional DS area it must be recognized that the general supplies, repair parts, ammunition, medical, ASA supplies and COMSEC supplies etc. are received, stored and issued by a variety of combat service support-type units. These units are described in detail in FM 100-10. The shipment of supplies as described in figure 4-4 is in keeping with the provisions of FM 100-10 which state, "The CONUS NICP in coordination with MMCs overseas, on a pre-planned basis, may supply a newly established theater or an operational area in which a supply system has not been developed." Although supply shipments may be developed for specific combat service support units based on forces to be supported, there may be instances when these units are replaced by like type units, reassigned to another area or fail to arrive in the objective area. Consequently, with the use of color coding by class of supply, shipments can be consolidated and segregated by subclass to the point where a like type unit could receive these supplies and set up operations within a minimal reaction time.








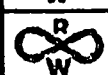

#### 4-3. Flow of Supplies into a General Support (GS) Area

In shipping supplies into a GS area it must be recognized that supplies are received, stored and issued by a wider variety of combat service support units than in the DS area. These units are also described in FM 100-10. The rationale concerning shipments to specific units expressed in paragraph 4-2 also applies to the flow of color marked supplies into the GS area. Since the GS area is undergoing a restructuring, figures 4-5 and 4-6 were developed to depict shipments directed to the current and restructured GS environments, respectively. A situation which might occur in a warehouse or on a smaller scale with CONEX or MILVAN Containers is depicted in figure 4-7. The task of identifying these supplies would require an individual with a high degree of supply experience. In figure 4-8, with added color markings the task would be expedited by initially

segregating supplies by class of supply and subsequently by subclass of supply. Although future warfare concepts tend to envision the extended use of containerized shipments and established ports of debarkation with adequate material handling equip-

ment, over the beach landings such as those depicted in figure 4-9 cannot be forgotten. Also, the chaotic task of segregating supplies shown in figure 4-10 might even be compounded by the use of containers during a wartime environment.

# COLOR MARKINGS & SYMBOLS FOR OVERSEA SHIPMENT

CARD COLUMN 55	CATEGORY	REPAIR PARTS SYMBOLS	CORNER COLORS	NOTES
A	TANK-AUTOMOTIVE		YELLOW	PROFILE VIEW OF SPECIFIC AIRCRAFT OPTIONAL
B	ELECTRONICS		ORANGE	
C	CONST & MHE		RED	
D	RAIL & MARINE		RED	SYMBOLS - BLACK ON COLOR BACKGROUND SHOWN
E	WEAPONS		YELLOW	
F	GENERAL SUPPLIES	--	GREEN	
G	PX	--	BLACK	SYMBOLS SUPPLANT CORNER MARKINGS ON PP
H	CLOTHING & TEXTILES		GREEN	
J	PUB. - PRINT. MAT. - STA'ERY	--	WHITE	
K	AIRCRAFT COMPONENTS/AVIONICS		BLUE	WHITE DISC REQUIRED ON PROJECT SHIPMENTS
L	AIRCRAFT COMPONENTS/AVIONICS		BLUE	
M	MISSILE		YELLOW	
N	MEDICAL	--	MAROON	AMMO EXCLUDED
P	DEVELOPMENTAL ITEMS	--	GRAY & BLUE	

PROFILE VIEW  
OF SPECIFIC  
AIRCRAFT  
OPTIONAL

SYMBOLS -  
BLACK ON COLOR  
BACKGROUND  
SHOWN

SYMBOLS  
SUPPLANT CORNER  
MARKINGS ON PP

WHITE DISC  
REQUIRED ON  
PROJECT SHIPMENTS

AMMO EXCLUDED

GRAY & BLUE -  
INSIDE AREA GRAY  
OUTSIDE AREA BLUE

Figure 4-1. Color markings and symbols.

CLASS	SUBCLASS	COLOR	MANAGER
I	A,R,S,C	Brown	CA
II	A B E T F G H L M D,K,O,W	Red	CT AJ CD CD CA CL Several BD BF AZ
III	A (1-3) W (4-7)	Orange	CD
IV	X	Yellow	AJ/CD
V	A,W,L,N,Z	Not Required	BF
VI	X	Blue	AAFES
VII	A B	Purple	CT AJ










CLASS	SUBCLASS	COLOR	MANAGER
VII- Cont.	G K,O,D,W L M N Q,Y Z	Purple	CL AZ BD BF BF AJ BF
VIII	1-Ø	Maroon	AS
IX	A B Z G H K,O,D,W L M N Q,Y T	Green	CT AJ BF CL Several AZ BD BF BF AJ CD
X	X	White	AJ/CD

Rationale: Apply color labels for Class of Supply with roman numerals and black and white labels or stencil for subclass of supply. (See sample of markings in figure 4-3)

Note. Use of color markings by class of supply is prescribed in MIL STD 129 and provides a standard method of identifying supply shipments between and within all elements of the DOD during war. Moreover, since wartime envisions close relations with allied forces, color marking procedures will be included in a standardization agreement (STANAG) to establish a common bond between US and allied supply elements the world over.

Figure 4-2. Supply class and subclass color markings.



SUPPLY CLASS LABELS		
		BACKGROUND
CLASS I		BROWN
CLASS II		RED
CLASS III		ORANGE
CLASS IV		YELLOW
CLASS VI		BLUE
CLASS VII		PURPLE
CLASS VIII		MAROON
CLASS IX		GREEN
CLASS X		WHITE

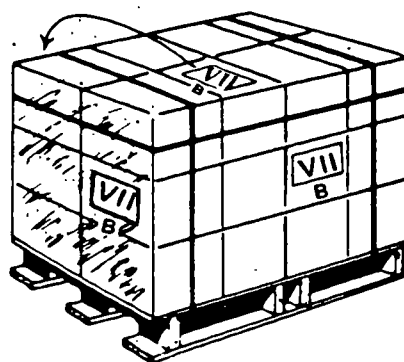
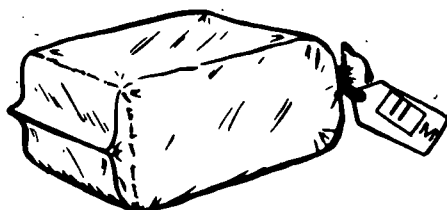
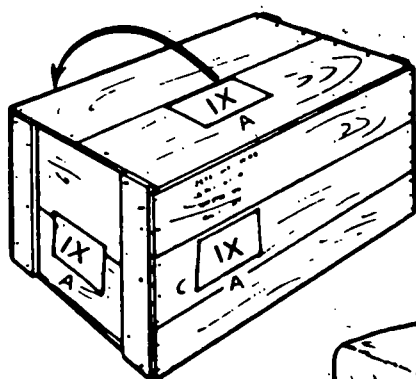
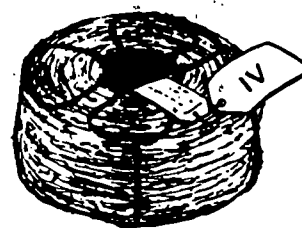
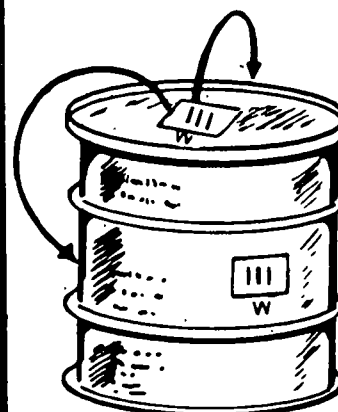


Figure 4-3. Supply class color labels.

## FLOW OF PREPLANNED SUPPLIES INTO DS AREA

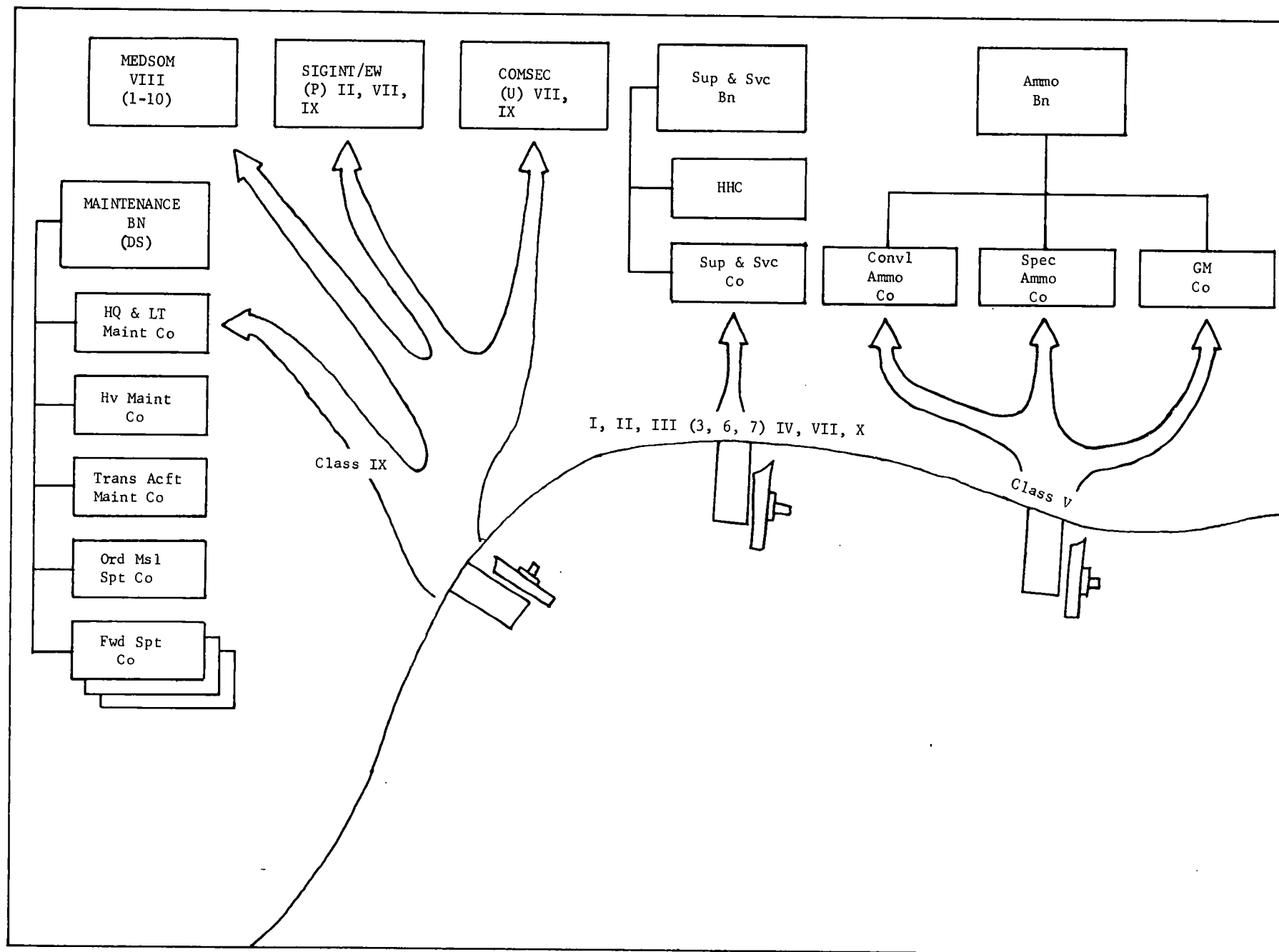


Figure 4-4. Flow of supplies into DS area.

# FLOW OF PREPLANNED SUPPLIES INTO CURRENT GS AREA

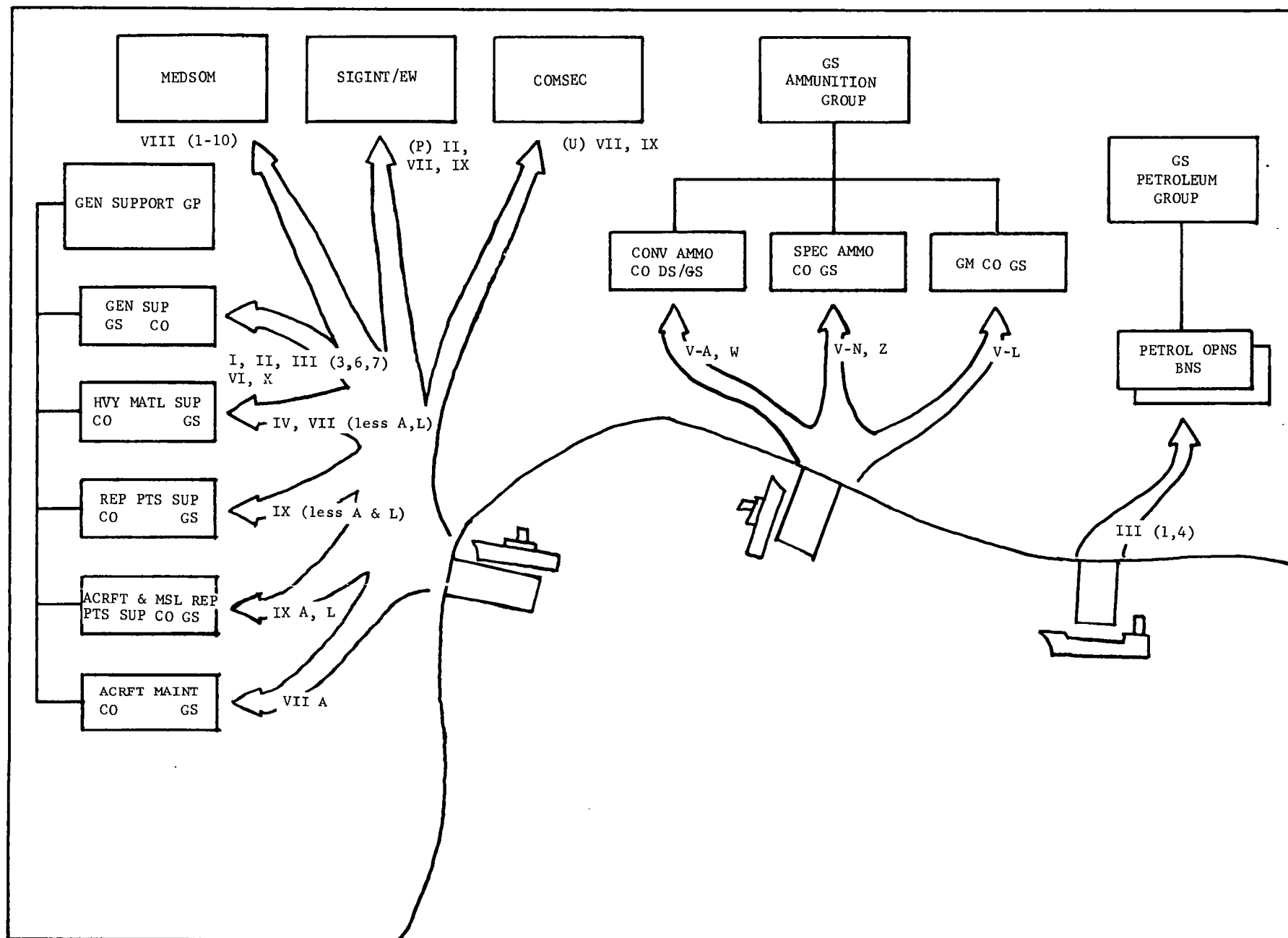


Figure 4-5. Flow of supplies into current GS area.

## FLOW OF PREPLANNED SUPPLIES INTO RGS AREA

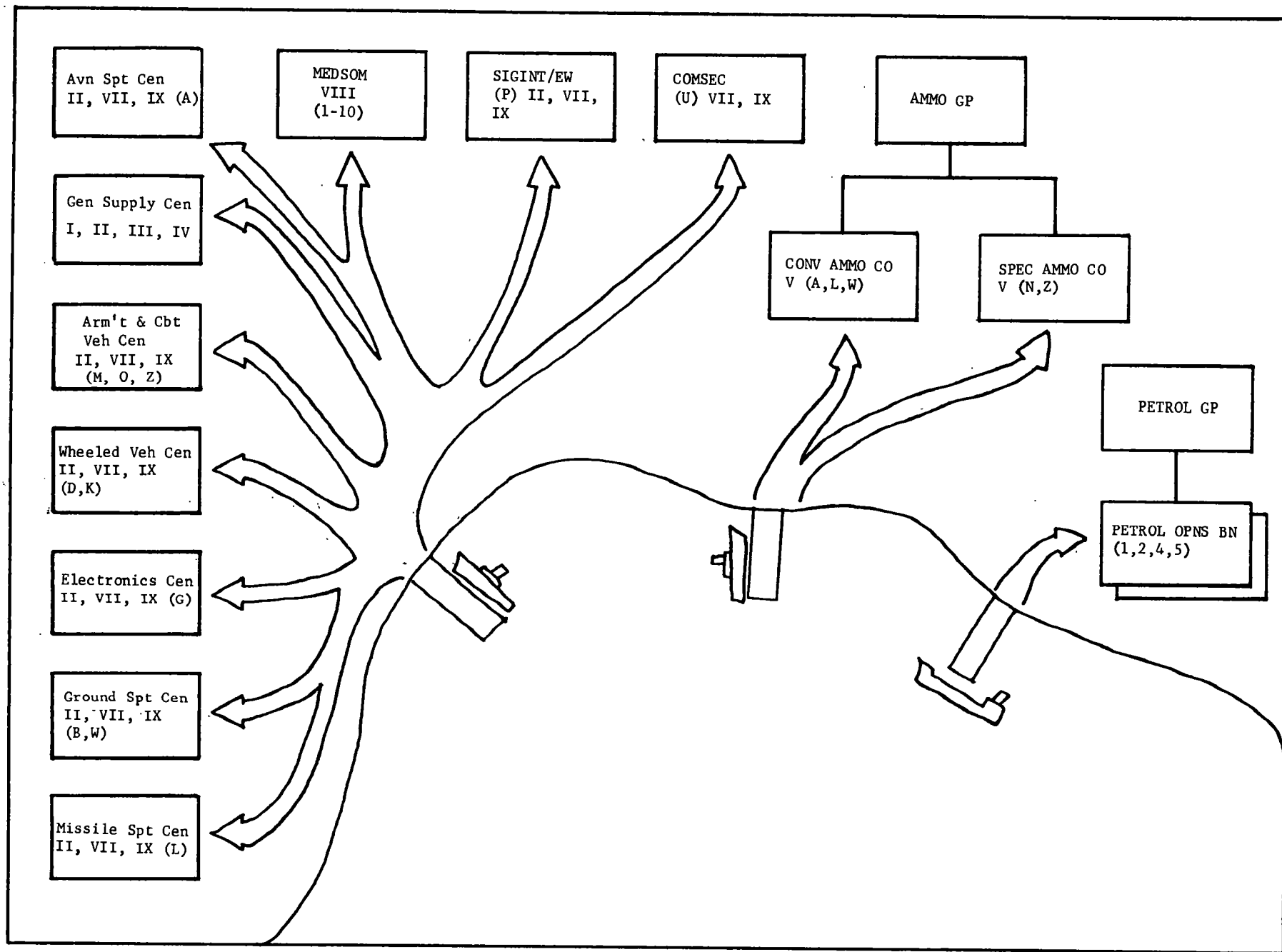


Figure 4-6. Flow of supplies into RGS area.



Figure 4-7. Segregation problem.

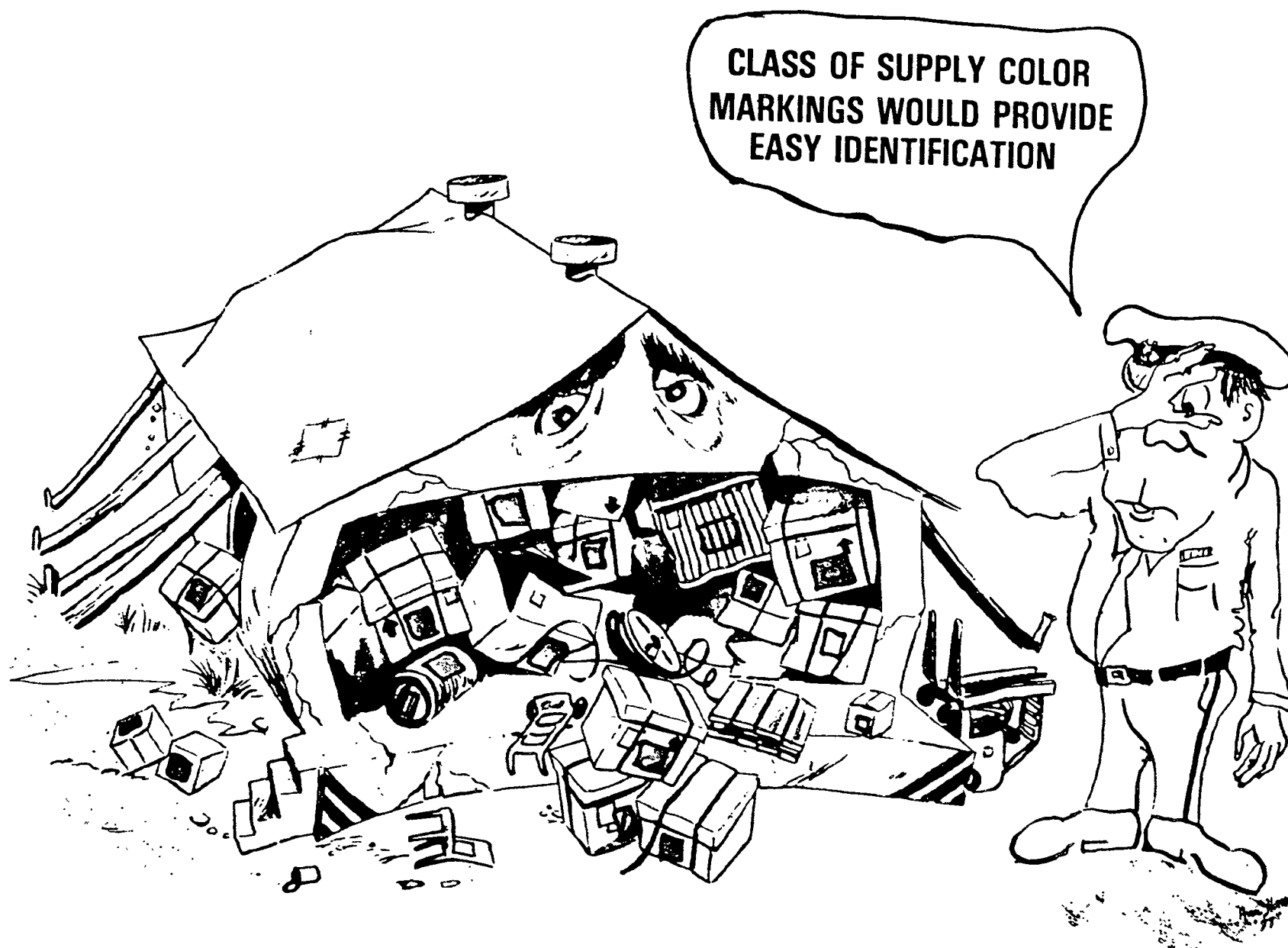


Figure 4-8. Easy identification.



Figure 4-9. Invasion landing.



Figure 4-10. Segregating supplies.





## CHAPTER 5

### REQUIREMENTS AND PLANNING

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#### 5-1. Requirements-Rates/Factors

Prior to the reorganization of the Army in 1962, supply rates and factors were developed as follows: Classes I and III, by the Quartermaster General; Class V by the Chief of Ordnance; Classes II and IV by the Chief of Engineers, Chief of Ordnance, Chief of Transportation, Chief Chemical Officer, Chief Signal Officer, The Quartermaster General, and The Surgeon General. Consequently, a general rule of thumb description of the five classes of supply was coined in the cliché—"If it isn't Class I, III, or V, it must be II and IV." Therefore, each technical service had its own means of identifying items considered to be in the Class II and IV category which included both general supplies and repair parts. Moreover, each technical service developed its own consumption rates/factors and furnished them for publication in FM 101-10-1. Therefore, FM 101-10-1 contained separate rates/factors for classes I, III, and V, and seven individual rates/factors for Classes II and IV or a total of ten rates and factors for the five classes of supply. As a result of the Army reorganization, logistic functions of the former technical services (less the Surgeon General) were taken over by the Army Materiel Development and Readiness Command (DARCOM) formerly the Army Materiel Command (AMC). The current materiel management structure of the Army now consists of DARCOM (five Materiel Readiness Commands and two Service Item Control Centers (SICCs) (formerly ACMAs); INSCOM; COMSEC (CSLA) and (USAMMA) TSG.

#### 5-2. Improved Rates/Factors

The pounds per man per day Planning Factors are essential for the General Staff and specifically transportation planners. Weight, cube, type packaging, and consumption rates are also important to the lower level logistics planner and operator. Additionally, the lower level (Brigade, Battalion, and separate unit) logistician requires a guide which converts the standard unit of issue/use to a weight-cube-consumption factor, e.g., meals per man day, gallons of fuel per items of equipment per day. To obtain the data required to develop pounds per man

per day or planning factors, a standard system is needed to provide for a systematic collection of actual supply consumption and related transportation weight and cube data. Such a system would require incorporation into the current automated logistics data systems such as, DLOGS, SAILS, etc., and be compatible with MILSTRIP and MILSTAMP procedures. Accordingly, DARCOM has taken action to provide the means of eventually capturing consumption data by coding each item by SCMC in the AMDF, i.e., approximately 970,000 items. Quantitatively this is depicted by class and subclass of supply in figure 5-1 and by source of supply in figure 5-2.

#### 5-3. Operations Planning

Classes of Supply are used extensively in the development of the logistic portion of Operations Plans (OPLANS) or Logistic Plans (LOGPLANS). Supply requirements are normally quoted in terms of "days of supply by class of supply" and logistic estimates are based on the same terms plus the term "pounds per man per day." FM 101-5 describes staff procedures and relationships while general logistics planning data can be found in FM 101-10-1. The Army-in-the-Field (AITF) uses classes of supply in preparing plans, estimates, and orders. Supply distribution points are designated on maps by class and subclass of supply to provide location of logistic units, e.g., classes II-A, VII-A and IX-A can be used to designate an Aviation Support Center (GS). Hours of operation, levels of supply, method and schedule of distribution, and any other pertinent information that may be useful to supported units may also be expressed using class and subclass of supply terminology.

#### 5-4. Logistics Planning

Logistics planning is the science of carrying out the movement and maintenance of forces (chap 13, FM 38-1). Logistics planning in theaters of operation deals with the functions of supply, maintenance, transportation, construction, hospitalization, evacuation, and logistics services. Since classes of sup-

ply are normally associated with supply planning, the following discussion will be limited to that phase of logistics planning. In this connection, supply requirements are stated in terms of days of supply by class of supply as are levels of supply (AR 11-11), mobilization reserves (AR 710-1), and contingency resupply (AR 725-50). Consumption rates used in developing supply requirement estimates are set forth in FM 101-10-1; however, actual consumption data will be used whenever available. Storage factors are contained in FM 101-10-1, and TM of the 743-200 series. Gross tonnage estimates resulting from supply requirements provide the basis for other planning considerations such as transportation, troop, and construction requirements.

### 5-5. Publication Media

Information concerning classes of supply and related data is published in a variety of DA publications, e.g., AR, FM and SB. AR contain DA policy; FM contain Army doctrine, consumption rates, storage factors, etc., and SB contain listings of materiel by class and subclass of supply, supply rates, replacement factors, and consumption rates. Although there appears to be a duplication of rates/factors in FM and SB, such is not the case. Data in FM is by class of supply whereas data in SB is by commodity or fund category. A listing of reference publications containing information or data concerning or relating to classes of supply is furnished in appendix A.

	I	II	III	IV	V	VI	VII	VIII	IX	X
Quantity of Items.....	A 3	A 5061	1 6		A 55		A 251	0 0	A 59158	
coded in AMDF .....	C 4	B 72628	2 12		L 465		B 3800	1 230	B 52543	
	R 632	D 4	3 27		N 97		D 60	2 9	D 28	
	S 931	E 5729	4 19		W 3965		G 11800	3 31	F 0	
	W 2	F 8222	5 37		Z 86		K 746	4 899	G 291049	
		G 1997	6 2078				L 525	5 14546	K 102022	
		H 247	7 1				M 275	6 3796	L 43487	
		K 165					N 369	7 0	M 31341	
		L 94					O 40	8 0	N 4507	
		M 771					P 560	9 0	O 16757	
		O 270					Q 374		P 6731	
		P 189					U 167		Q 4274	
		Q 1174					W 994		T 185216	
		T 3027					Y 246		U 2143	
		U 2					Z 109		W 1137	
		W 12304							Y 4441	
		Y 112							Z 2260	
		Z 239								
TOTAL: *972,200	*1,570	*112,500	*2,180	*3,900	*4,660	( <sup>1</sup> )	*20,320	*19,500	*807,090	*480

<sup>1</sup> Brand name resale items managed by the Army/Air Force Exchange System. The 248,000 items in this class are not listed in the AMDF.

\* Rounded to even tens to provide order of magnitude figures.

Figure 5-1. Status of Army used items coded in the AMDF.

ARMY	TARCOM	SPT CEN, PHILA	TROSCOM	GMFA	ARRCOM	CERCOM
321,600	52,700	400	18,900	1	48,170	83,000
	AVSCOM	INSCOM	CLSA	MIRCOM	USAMMA	
	58,600	6,500	1,440	45,600	6,400	
OTHER	DCSC	DESC	DGSC	DISC	DPSC (Med)	DPSC (Subs)
650,800	128,700	187,400	75,800	193,000	13,100	1,500
	DPSC (Tex)	AF	MC	NAV	GSA	
	7,800	9,000	1,000	5,000	28,000	
TOTAL						
972,200						

Figure 5-2. Army used items in AMDF by source of supply (all classes).

## CHAPTER 6

### SECONDARY USES

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#### 6-1. Additional Logistics Benefits

Class and subclass of supply information and data contained in AR 11-8, the AMDF and SB 700-20 provide benefits not previously available to logistics managers. Some of these benefits have been covered in the preceding chapters; however, there are additional benefits to be derived by logistics users such as those described below.

#### 6-2. Property Book Accounting

Although there appear to be clearly defined guidelines in AR 710-2 regarding the selectivity of items to be included in property books, additional item selection guidelines, based on classes of supply, have been developed and are provided below:

*a. Items Eligible for Inclusion.*

(1) All class VII and VIII items of equipment contained in SB 700-20.

(2) All class II nonexpendable items of equipment in SB 700-20.

*b. Items Not Eligible for Inclusion.*

(1) Those class expendable II items in the AMDF.

(2) Class IX items in the AMDF.

#### 6-3. Authorization Documents

Frequent and often synonymous use of the terms "authorization media" and "allowances media" has created confusion in determining the means by which supplies and equipment are obtained. Guidelines relating these terms to classes of supply have been developed to reduce this confusion as follows:

*a. Authorization for items of equipment (generally Class II or Class VII) is set forth in Equipment Sections of TOE and MTOE, TDA, and MTDA, and normally authorizes class II, VII and VIII items found in SB 700-20.*

*b. Allowances for equipment and supplies are set forth in many publications such as SC, SB, TM, CTA and JTA and normally provide the authority for obtaining all classes of supply items except those items of equipment prescribed in authorization media.*

#### 6-4. Storage Classification

Storage classification of supplies and equipment in CONUS depots has traditionally fallen into two major categories (1) Ammunition and (2) General Supplies. Conversely, general supplies are received, stored, and issued by organizations specialized in handling specific commodities. Restructured General Support (RGS) organizations shown below are currently being contemplated to replace existing supply and maintenance GS units.

- a. General Supply Center.*
- b. Armament & Combat Vehicle Center.*
- c. Wheeled Vehicle Center.*
- d. Electronic Center.*
- e. Ground Support Center.*
- f. Aviation Support Center.*
- g. Missile Support Center.*

#### 6-5. War Reserve Status

Major Command stockage levels are prescribed in AR 11-11, in terms of days of supply by class of supply, based on policy contained in AR 11-8 and 710-1. Items authorized for stockage are prescribed in SB 700-40. Items in the WARSL are identified by Supply Class Code (SC) (Column 4) and generally relate to AR 11-8, SB 700-20, the AMDF, and this manual. War reserve status reports are prepared by major Army Commands based on information contained in SB 700-40, and are stratified by class of supply. In the event sufficient information is not available in SB 700-40, additional information on classes of supply may be found in SB 700-20 and the AMDF.

#### 6-6. Type Classification of Materiel

The Army-type classification process provides a means by which an item can be coded by class and subclass of supply in the earliest phase of the life cycle. Class of supply identification assigned during this phase should normally remain unchanged during the life of the materiel. Although provisions have been made to display class and subclass of supply data in SB 700-20, a need exists to include a procedure assigning a class of supply designation during the initial type classification process.

## 6-7. AMDF Coding Guidance

Since the processing of catalog data has generally been taken over by computer systems, the need for number-oriented coding guidance has become increasingly evident. Therefore, to assist item managers in their process of coding items by SCMC in the AMDF, coding guides have been developed and are shown at figures 6-1 and 6-2, respectively.

## 6-8. Doctrinal Guidance

Prior to the establishment of the Defense Logistics Agency (DLA) formerly Defense Supply Agency (DSA) the Army was basically its own major supplier. However, this situation has changed to the point where Army furnishes approximately only one third (321,000) of its total requirements (972,000) items. This is primarily the result of the "one item one manager concept" based on DOD Management Objective 8 "Eliminate Duplicate Wholesale Inventory Management." Therefore, current peacetime supply doctrine should reflect the schematic shown in figure 6-3. Wartime supply doctrine, which adds a GS Storage Activity, is shown in figure 6-4.

## 6-9. Repair Parts and Special Tool List (RPSTL)

a. Repair Parts and Special Tool Lists (RPSTL). From the title of the RPSTL it would appear that the items listed in the repair parts portion would be Class IX (repair parts) required to perform the functions contained in the narrative maintenance instructions of the associated Equipment Technical Manual. However, the bulk material section contains tubing, gasket material, pipe, sheet metal which are either Class II or Class IV items rather than Class IX. This situation can be corrected by deleting the "bulk material" section of the Repair Parts portion of the RPSTL and establishing a separate "bulk material" or "Class II and IV" section.

b. In the special tools portion of the RPSTL all special tools and/or special sets or kits should be Class II and related (by subclass of supply) to the item(s) of equipment identified in the RPSTL title. (e.g. Special Aircraft Sets: Class II A, Special Mis-

sile Sets: II-L, Special Combat Vehicle Sets: II-O) (MIL-M-63001E (TM)).

## 6-10. Equipment Technical Manuals (TM)

The primary purpose of the TM is to publish narrative maintenance instructions and also to provide authorization of supplies and materials in addition to those contained in the RPSTL. These authorizations are set forth in three separate appendices (i.e. Components of End Item List (COEIL) Additional Authorization List (AAL) and Expendable Supplies and Materials List (ES & ML)). In relation to the classes of supply structure, COEIL would generally pertain to Classes II, III, and IX; AAL pertaining to Classes II and VII and ES & ML to Classes II, III, and IV.

## 6-11. Bridge Between Wholesale and Retail Logistics

During the period prior to abolishment of the Chiefs of technical services in 1962 the logistic support to the Army was provided from seven dedicated supply and maintenance sources (as opposed to the possible 29 ICPS shown in fig 6-3, today). Irrespective of the level of support (direct, general, and depot) involved, there were technical service units to provide both supply and maintenance support. Under the current structure of the Army the function of logistics has been split into two factions i.e. Wholesale (commodity/weapons systems oriented) and Army-in-the-field/installation/retail (functionally oriented). To bridge the gap between a commodity oriented wholesale logistics structure and a functionally oriented retail structure, (fig 6-5) DARCOM has taken action to have each item in the Army Master Data File (AMDF) coded by class and subclass of supply. This action relates items to field organizations (general supply—Classes I, II, IV, and, VII; medical-class VIII; ammunition—Class V; petroleum—Class III, and repair parts—Class IX) (fig 2-1) and through subclass coding relates items to materiel categories (commodities/weapons systems). (fig 2-2). A tear out pocket size version of class and subclass of supply legends is furnished in figure 6-6.

SUPPLY CLASS	SUBCLASS	Expendability Code	Essentiality Code	LIN <sup>1</sup>	2nd Position FIA CODE <sup>1</sup>	Originator Code
7	A,B,D,G,H,K,L,M,N,O,P, QQ,U,W,Y,Z	N	A	YES	A,C,D,E,G,H,J,K,L,M,N, P,Q, <sup>2</sup>	AJ,AZ,BD,BF,CL,CM, CT,CU
9	A,B,D,F,G,K,L,M,N,O,P, Q,T,U,W,Y,Z	X	1-5	NO	B,F,H,J,L,M,N,P,Q,R thru Z, 2 or 3	All of Above plus CD
2	A,B,D,E,F,G,G,H,K,L,M, O,O,P,Q,U,W,Y,Z	N or X	A or B	YES or NO	C,E,G,R thru Z, 2 and 3	All of Above plus CA
5	A,L					B,D
1	A,C,R,S,W					CA
3	1-7					CD
4	X					CD,AJ
8	1-0					AM
0	X					CA,CD

<sup>1</sup> Selected IAW FIA and originator codes in AMDF.

<sup>2</sup> Used for OMA, funded items only.

<sup>3</sup> At discretion of item manager.

Figure 6-1. Coding guidance for class of supply coding.

Subclass	POS 1 (MAT CAT)
A	H, M, S, R, V
B	B, J, M
C	S
D	K
E	B, E
F	F
G	G, Q
H	B
K	K
L	L
M	M
N	M
O	K
P	P
Q	B
R	S
S	S
T	T
U	U
W	B, M, R, S, J, K
Y	B
Z	M

Figure 6-2. Coding guidance for subclass of supply coding.

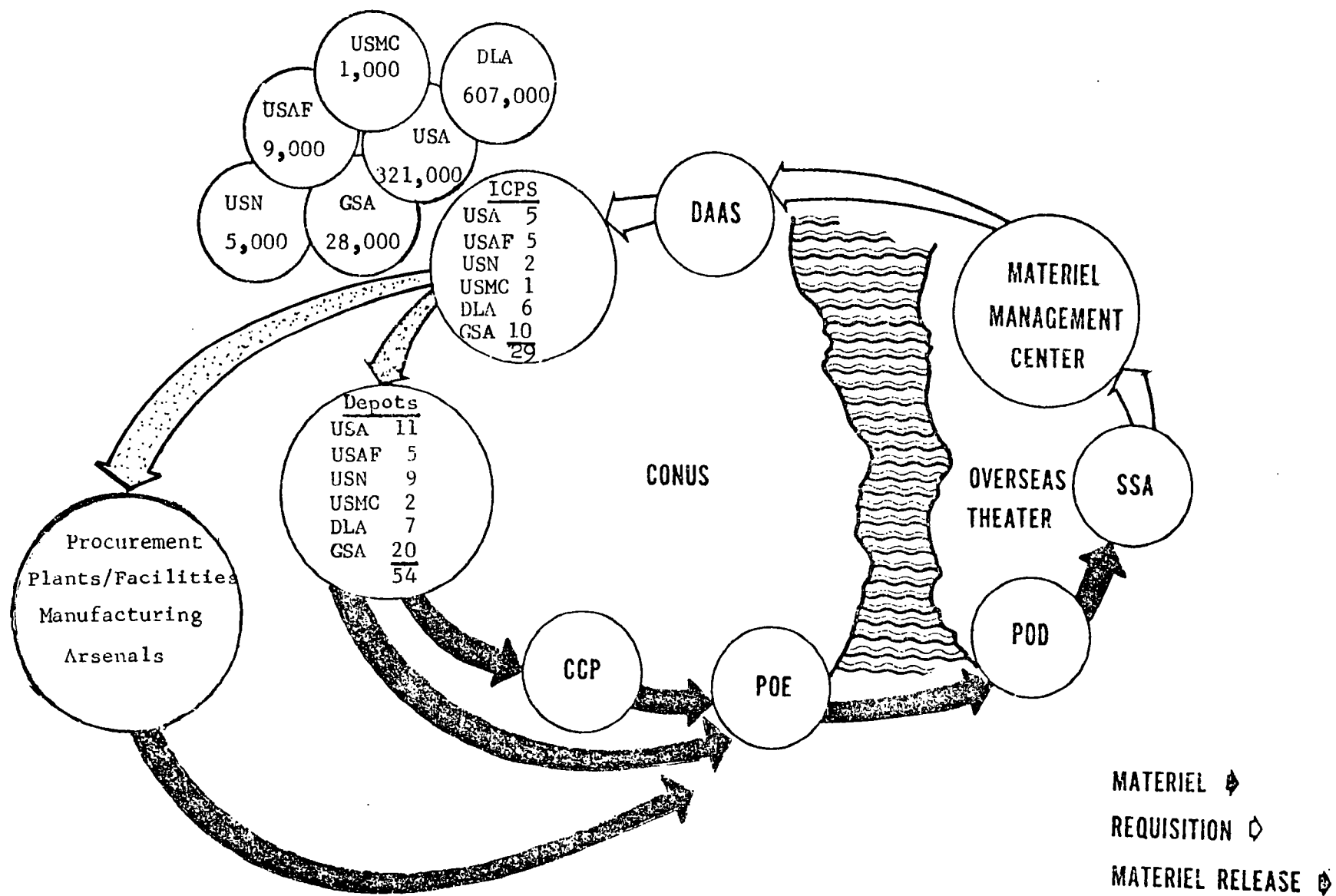


Figure 6-3. Requisition and materiel flow (peacetime).

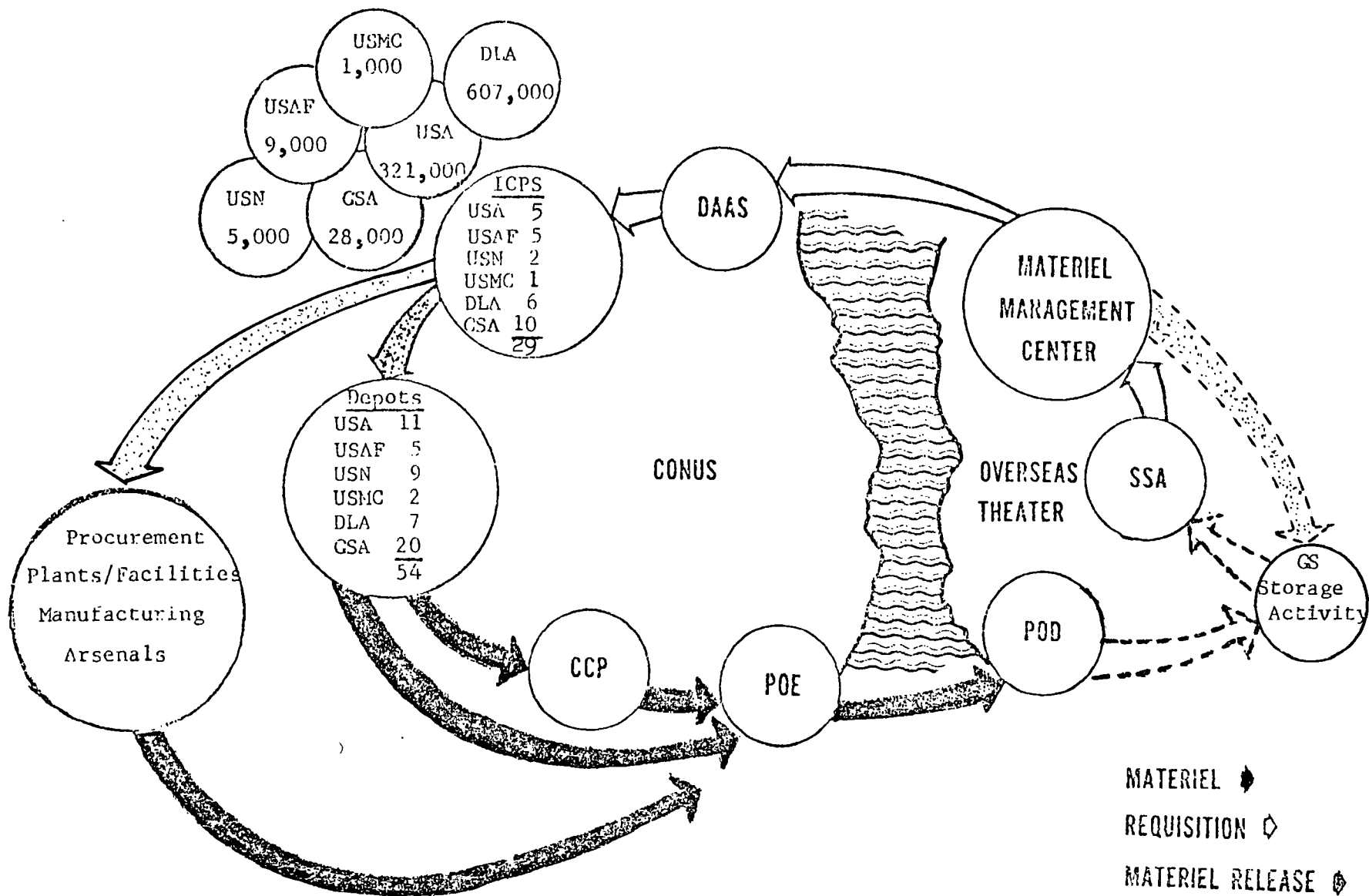


Figure 6-4. Requisition and materiel flow (wartime).

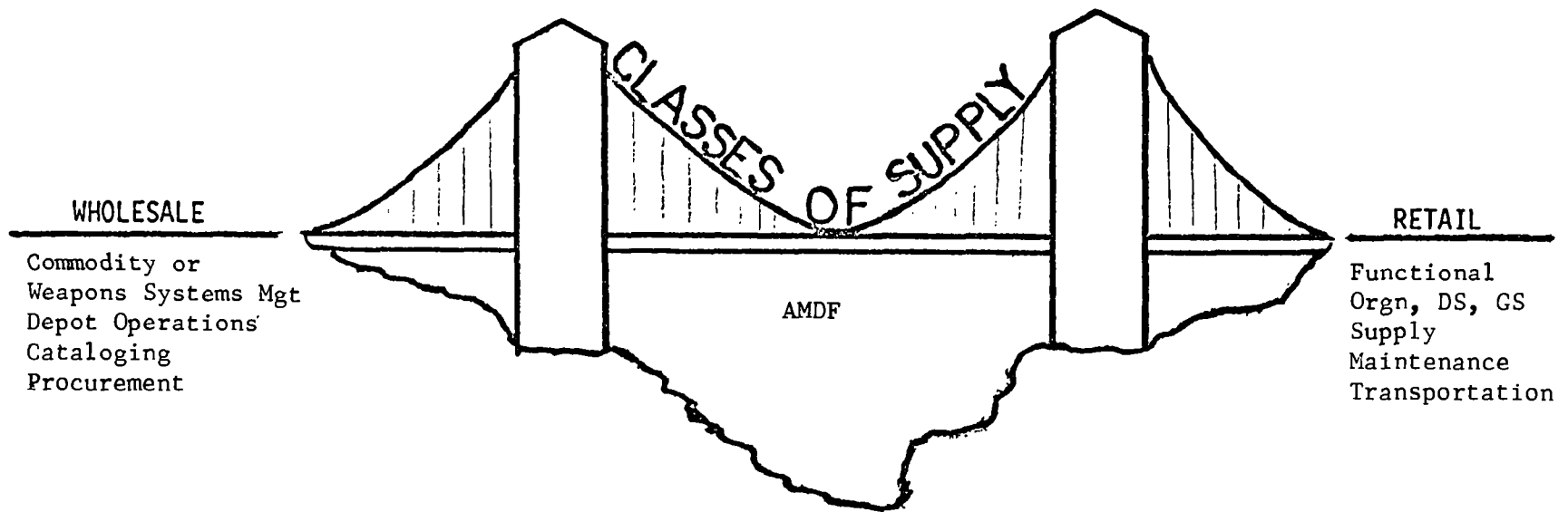


Figure 6-5. The bridge between wholesale and retail logistics.



### Classes of Supply

- I Subsistence
- II General Supplies and Equipment
- III Petroleum and Solid Fuels
- IV Construction Materials
- V Ammunition
- VI Personal Demand Items
- VII Major End Items
- VIII Medical Materiel
- IX Repair Parts
- X Non-Military Support Materiel

### Subclasses of Supply

- |   |                                  |
|---|----------------------------------|
| A - Air   | M - Weapons                      |
| B - Troop Support Materiel                        | N - Special Weapons              |
| C - Operational Rations                           | O - Combat Vehicles              |
| D - Commercial Vehicles                           | P - Army Security Agency Mat'l   |
| E - General Supply Items                          | Q - Marine Equipment             |
| F - Clothing and Textiles                         | R - Refrigerated Subsistence     |
| G - Communications/Electronics (C-E)              | S - Non-refrigerated Subsistence |
| H - Test, Measurement and Diagnostic Equip (TMDE) | T - Industrial Supplies          |
| K - Tactical Vehicles                             | U - COMSEC Materiel              |
| L - Missiles                                      | W - Ground                       |
|   | Y - Railway Equipment            |
|   | Z - Chemical                     |

### Classes of Supply

- I Subsistence
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| B - Troop Support Materiel                        | N - Special Weapons              |
| C - Operational Rations                           | O - Combat Vehicles              |
| D - Commercial Vehicles                           | P - Army Security Agency Mat'l   |
| E - General Supply Items                          | Q - Marine Equipment             |
| F - Clothing and Textiles                         | R - Refrigerated Subsistence     |
| G - Communications/Electronics (C-E)              | S - Non-refrigerated Subsistence |
| H - Test, Measurement and Diagnostic Equip (TMDE) | T - Industrial Supplies          |
| K - Tactical Vehicles                             | U - COMSEC Materiel              |
| L - Missiles                                      | W - Ground                       |
|   | Y - Railway Equipment            |
|   | Z - Chemical                     |

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- |   |                                  |
|---|----------------------------------|
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| B - Troop Support Materiel                        | N - Special Weapons              |
| C - Operational Rations                           | O - Combat Vehicles              |
| D - Commercial Vehicles                           | P - Army Security Agency Mat'l   |
| E - General Supply Items                          | Q - Marine Equipment             |
| F - Clothing and Textiles                         | R - Refrigerated Subsistence     |
| G - Communications/Electronics (C-E)              | S - Non-refrigerated Subsistence |
| H - Test, Measurement and Diagnostic Equip (TMDE) | T - Industrial Supplies          |
| K - Tactical Vehicles                             | U - COMSEC Materiel              |
| L - Missiles                                      | W - Ground                       |
|   | Y - Railway Equipment            |
|   | Z - Chemical                     |

### Classes of Supply

- I Subsistence
- II General Supplies and Equipment
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|---|----------------------------------|
| A - Air   | M - Weapons                      |
| B - Troop Support Materiel                        | N - Special Weapons              |
| C - Operational Rations                           | O - Combat Vehicles              |
| D - Commercial Vehicles                           | P - Army Security Agency Mat'l   |
| E - General Supply Items                          | Q - Marine Equipment             |
| F - Clothing and Textiles                         | R - Refrigerated Subsistence     |
| G - Communications/Electronics (C-E)              | S - Non-refrigerated Subsistence |
| H - Test, Measurement and Diagnostic Equip (TMDE) | T - Industrial Supplies          |
| K - Tactical Vehicles                             | U - COMSEC Materiel              |
| L - Missiles                                      | W - Ground                       |
|   | Y - Railway Equipment            |
|   | Z - Chemical                     |

Figure 6-6. Tear out pocket size class and sub-class of supply legend.



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## APPENDIX A

### REFERENCES

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AR 11-8	Principles and Policies of the Army Logistics System
(S) AR 11-11	Major Command Stockage Levels Worldwide (U).
AR 40-61	Medical Materiel Policies and Procedures.
AR 220-1	Unit Readiness Reporting.
AR 310-3	Preparation, Coordination and Approval of DA Publications.
AR 310-25	Dictionary of United States Army Terms.
AR 310-34	Equipment Authorization Policies and Criteria and Common Tables of Allowances.
AR 310-50	Authorized Abbreviations and Brevity Codes.
AR 700-18	Provisioning of US Army Equipment.
AR 708-1	Cataloging and Supply Management Data.
AR 710-1	Centralized Inventory Management of the Army Supply System.
AR 710-2	Material Management for Using Units, Support Units, and Installations.
AR 710-3	Asset and Transaction Reporting Systems.
AR 725-50	Requisitioning Receipt and Issue System.
AR 735-5	Property Accountability, General Principles and Policies and Basic Procedures.
DA PAM 310 Series	Indexes of Publications.
FM 38-1	Logistics Management
FM 54 Series	Support Commands.
FM 54-2	The Division Support Command (DISCOM) and Separate Brigade Support Battalion.
FM 100-5	Operations.
FM 100-10	Combat Service Support.
FM 101-5	Staff Officers Field Manual—Staff Organizations and Procedures
FM 101-10-1	Staff Officers Field Manual Organizational, Technical and Logistical Data—Unclassified Data
(S) FM 101-10-3	Same as FM 101-10-1, Classified Data (U).
SB 10-496	Supply Control—Wartime Replacement Factors and Consumption Rates for DSA/GSA Assigned (Quartermaster) Items.
(C) SB 38-26	Ammunition Supply Rates (U).
SB 700-20	Army Adopted/Other Items Selected for Authorization/List of Reportable Items.
SB 700-40	War Reserve Stockage List (WARSL).
SB 710-1-1	Standard Study Number System and Replacement Factors: Standard Study Number (SSN) Master Cross Reference Index.
SB 710-2	Supply Control—Combat Consumption Rate for Ground and Aviation Type Petroleum Products.
SB 746-1	Publications for Packaging Army General Supplies.
TM 743-200 Series	Storage Factors.
MIL-STD 129	Marketing for Shipment and Storage.



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## APPENDIX B

### ACRONYMS AND CODES

<i>Title</i>	<i>Acronyms</i>	<i>Codes</i>
Additional Authorization List . . . . .	AAL	
Army and Air Force Exchange System . . . . .	AAFES	
Adjutant General . . . . .	AG	
Army in the Field . . . . .	AITF	
Aviation Unit Maintenance . . . . .	AVUM	
US Army Troop Support and Aviation Materiel Readiness Command . . . . .	TSARCOM	AJ/CT
Aviation Intermediate Maintenance . . . . .	AVIM	
US Army Logistic Management System Agency . . . . .	ALMSA	
US Army Medical Materiel Agency . . . . .	USAMMA	AM
Army Master Data File . . . . .	AMDF	
US Army Tank-Automotive Materiel Readiness Command . . . . .	TARCOM	AZ
US Army Missile Materiel Readiness Command . . . . .	MIRCOM	BD
US Army Armament Materiel Readiness Command . . . . .	ARRCOM	BF
Basic Issue Items . . . . .	BII	
US Army Support Center, Philadelphia . . . . .	SCP	CA
US Army General Materiel & Petroleum Activity . . . . .	GMPA	CD
Catalog Data Activity . . . . .	CDA	
US Army Communications and Electronics Materiel Readiness Command . . . . .	CERCOM	CL
US Army Communications Security Logistics Agency . . . . .	CSLA	CM
Combat Oriented General Support . . . . .	COGS	
Components of End Items List . . . . .	COEIL	
Communications Security . . . . .	COMSEC	
Defense Construction Support Center . . . . .	DCSC	S9C
Defense Electronics Support Center . . . . .	DESC	S9E
Depot Systems Command . . . . .	DESCOM	
Defense Fuel Supply Center . . . . .	DFSC	
Defense General Supply Center . . . . .	DGSC	S9G
Defense Industrial Supply Center . . . . .	DISC	S9I
Division Logistics System . . . . .	DLOGS	
Department of Defense . . . . .	DOD	
Defense Personnel Support Center . . . . .	DPSC	S9S,T,M
Defense Logistics Agency (Replaces Defense Supply Agency) . . . . .	DLA	
Direct Support . . . . .	DS	
Expendable Supplies and Materials List . . . . .	ES & ML	
Financial Inventory Accounting . . . . .	FLA	
General Support . . . . .	GS	
Joint Chiefs of Staff . . . . .	JCS	
Joint Tables of Allowances . . . . .	JTA	
US Joint Chiefs of Staff, Joint Operation Planning System . . . . .	JOPS	
Joint Training Exercise . . . . .	JTX	
Line Item Number . . . . .	LIN	
Materiel Category . . . . .	MAT CAT	
Materiel Management Center . . . . .	MMC	
Military Standard Requisitioning and Issue Procedures . . . . .	MILSTRIP	
National Inventory Control Point . . . . .	NICP	

<i>Title</i>	<i>Acronyms</i>	<i>Codes</i>
National Stock Number Master Data Record . . . . .	NSNMDR	
Petroleum, Oils, and Lubricants . . . . .	POL	
Port of Embarkation . . . . .	POE	
Restructured General Support . . . . .	RGS	
Reportable Item Control Code . . . . .	RICC	
Repair Parts and Special Tools List . . . . .	RPSTL	
Standard Army Intermediate Level Supply Sub-System . . . . .	SAILS	
Supply Categories of Materiel . . . . .	SCM	
Supply Categories of Materiel Code (Two Digit, Class and Subclass Code) . . . . .	SCMC	
Supply Support Activity . . . . .	SSA	
Service Item Control Center (Replaces ACMA) . . . . .	SICC	
Test, Measurement, and Diagnostic Equipment . . . . .	TMDE	
Table of Distribution and Allowances . . . . .	TDA	
Table of Organization and Equipment . . . . .	TOE	
The Surgeon General . . . . .	TSG	AS
US Army Intelligence and Security Command, Materiel Support Agency . . . . .	INSCOM	CU
Department of the Army . . . . .	DA	
Defense Automatic Addressee System . . . . .	DAAS	

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DATE

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