

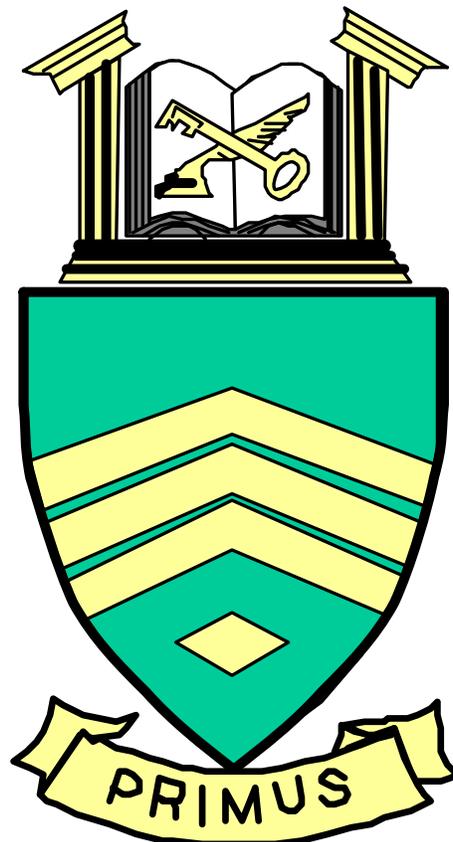
U.S. ARMY SERGEANTS MAJOR ACADEMY (FSC-TATS)

W660

OCT 04

COMBAT SERVICE SUPPORT

STUDENT HANDOUT



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PRACTICAL EXERCISE 1

Title	COMBAT SERVICE SUPPORT (ELOs A thru D)						
Lesson Number / Title	W660 version 1 / COMBAT SERVICE SUPPORT						
Introduction	None						
Motivator	As the first sergeant in your company, battery, or troop, you must be familiar with the CSS sustainment system. This will allow you to advise your commander, and your soldiers, on the proper planning to support your operations.						
Terminal Learning Objective	<p>NOTE: The instructor should inform the students of the following Terminal Learning Objective covered by this practical exercise.</p> <p>At the completion of this lesson, you [the student] will:</p> <table border="1"><tr><td>Action:</td><td>Recognize the elements of combat service support.</td></tr><tr><td>Conditions:</td><td>As a first sergeant, in a classroom environment, given FM 4-0, FM 3-90.1, and FM 3-90.2.</td></tr><tr><td>Standards:</td><td>Recognized the elements of combat service support IAW FM 4-0, FM 3-90.1, and FM 3-90.2.</td></tr></table>	Action:	Recognize the elements of combat service support.	Conditions:	As a first sergeant, in a classroom environment, given FM 4-0, FM 3-90.1, and FM 3-90.2.	Standards:	Recognized the elements of combat service support IAW FM 4-0, FM 3-90.1, and FM 3-90.2.
Action:	Recognize the elements of combat service support.						
Conditions:	As a first sergeant, in a classroom environment, given FM 4-0, FM 3-90.1, and FM 3-90.2.						
Standards:	Recognized the elements of combat service support IAW FM 4-0, FM 3-90.1, and FM 3-90.2.						
Safety Requirements	None						
Risk Assessment	Low						
Environmental Considerations	None						
Evaluation	After this practical exercise, the students will discuss each of the questions to determine the correct response. After the discussion, the instructor will issue a solution sheet to each student.						
Instructional Lead-In	None						
Resource Requirements	<p>Instructor Materials:</p> <ul style="list-style-type: none">• PE-1.• FM 4-0. <p>Student Materials:</p> <ul style="list-style-type: none">• SH-3.• Pen or pencil and writing paper.• FM 4-0.						

Special Instructions

This exercise will determine your grasp of the information presented in the first four ELOs of lesson W660. Complete this exercise on your own. A group discussion will follow after all students finish.

Procedures

This practical exercise consists of 15 questions. You must use FM 4-0 to find the best answer to each question.

1. The purpose of Army Combat Service Support (CSS) is _____
_____.
2. The eight CSS characteristics are _____,
_____, _____, _____, _____,
_____, _____, _____.
3. At the strategic level, responsiveness ensures that CSS capabilities are _____
_____.
4. CSS integration has two aspects: one is the integration of the CSS and operational efforts and the other is _____
_____.
5. The Army performs CSS activities at all levels of war.
Circle one: TRUE OR FALSE
6. CSS at the strategic level is global and regional: it supports all Commanders-in-Chief (CINCs). It is this level of CSS that _____
_____.
7. What is the focus of strategic CSS? _____
_____.
8. What is the focus of operational CSS? _____
_____.
9. The mission of the personnel readiness management system is _____
_____.
10. Standard reports available from the personnel accounting system include the _____
_____, _____, _____, _____, _____.
11. Fueling the force is demanding because _____
_____.
12. Why is arming the force a critical, demanding, and time-sensitive logistics function? _____
_____.
13. HR providers at all levels are responsible for _____
_____.
14. HR support enhances soldier performance by providing services which enhance his morale and sense of being cared for. Specific functions include _____,
_____, _____, _____, _____, _____.

15. How does the CSS effort begin? _____
_____.

**Feedback
Requirements**

You will participate in an after action review (AAR) immediately following the examination for this particular lesson.

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SOLUTION FOR PRACTICAL EXERCISE -1

This practical exercise solution consists of 15 questions and answers. The answers to the questions came from FM 4-0.

1. to generate and sustain combat power and expand the commanders operational reach.

Ref: FM 4-0, p 1-1, second paragraph

2. responsiveness, simplicity, flexibility, attainability, sustainability, survivability, economy, and integration.

Ref: FM 4-0, pp 1-4 and 1-5, para 1-10 thru 1-18

3. providing the right support in the right place at the right time.

Ref: FM 4-0, p 1-4, para 1-10

4. the integration of Army CSS operations with other components of the joint force.

Ref: FM 4-0, p 1-6, para 1-18

5. TRUE

Ref: FM 4-10, p 1-1, top of page

6. deals with attaining national objectives.

Ref: FM 4-0, p 4-2, para 4-5

7. Conduct industrial operations, maintain the industrial base, provide information services, provide strategic level services, and manage strategic stockpiles.

Ref: FM 4-0, p 4-2, para 4-7

8. Force generation, force sustainment, and redeployment.

Ref: FM 4-0, p 4-12, para 4-49

9. to distribute soldiers to units based on documented manpower requirements or authorizations to maximize mission preparedness.

Ref: FM 4-0, p 10-2, para 10-5

10. battle roster, personnel summary, personnel requirements report, and command and control task force personnel summary.

Ref: FM 4-0, p 10-4, para 10-15

11. its ability to move and fight depends on its supply of fuel.

Ref: FM 4-0, p 6-6, para 6-23

12. Because munitions are a dominant factor in determining the outcome of offensive, defensive, and stability operations.

Ref: FM 4-0, p 8-14, para 8-67

13. successfully implementing the human dimension of soldiering.

Ref: FM 4-0, p 10-2, para 10-3

14. manning the force, personnel support, and personnel services.

Ref: FM 4-0, p 10-1, top of page

15. with the translation of potential Army missions into resource requirements.

Ref: FM 4-0, p 5-5, para 5-17

PRACTICAL EXERCISE 2

Title	COMBAT SERVICE SUPPORT (ELOs E thru L)						
Lesson Number / Title	W660 version 1 / COMBAT SERVICE SUPPORT						
Introduction	None						
Motivator	As the First Sergeant in your company, battery, or troop, you must be familiar with the CSS sustainment system. This will allow you to advise your commander, and your soldiers, on the proper planning to support your operations.						
Terminal Learning Objective	<p>NOTE: The instructor should inform the students of the following Terminal Learning Objective covered by this practical exercise.</p> <p>At the completion of this lesson, you [the student] will:</p> <table border="1"><tr><td>Action:</td><td>Recognize the elements of combat service support.</td></tr><tr><td>Conditions:</td><td>As a first sergeant, in a classroom environment, given FM 4-0, FM 3-90.1, and FM 3-90.2.</td></tr><tr><td>Standards:</td><td>Recognized the elements of combat service support IAW FM 4-0, FM 3-90.1, and FM 3-90.2.</td></tr></table>	Action:	Recognize the elements of combat service support.	Conditions:	As a first sergeant, in a classroom environment, given FM 4-0, FM 3-90.1, and FM 3-90.2.	Standards:	Recognized the elements of combat service support IAW FM 4-0, FM 3-90.1, and FM 3-90.2.
Action:	Recognize the elements of combat service support.						
Conditions:	As a first sergeant, in a classroom environment, given FM 4-0, FM 3-90.1, and FM 3-90.2.						
Standards:	Recognized the elements of combat service support IAW FM 4-0, FM 3-90.1, and FM 3-90.2.						
Safety Requirements	None						
Risk Assessment	Low						
Environmental Considerations	None						
Evaluation	After this practical exercise, the students will discuss each of the questions to determine the correct response. After the discussion, the Instructor will issue a solution sheet to each student.						
Instructional Lead-In	None						
Resource Requirements	<p>Instructor Materials:</p> <ul style="list-style-type: none">• PE-2.• FM 4-0.• FM 3-90.1.• FM 3-90.2 <p>Student Materials:</p> <ul style="list-style-type: none">• SH-4.• Pen or pencil and writing paper.• FM 4-0.• FM 3-90.1.• FM 3-90.2.						

Special Instructions

This exercise will determine your grasp of the information presented in ELOs E thru L of Lesson W660. Complete this exercise on your own. A group discussion will follow after all students finish.

Procedures

This practical exercise consists of 25 questions. You must research the proper doctrinal source (FM 3-90.1, FM 3-90.2 and FM 4-0) and provide the best answer to each question.

1. _____ operations accomplish the most efficient resupply of forward task force units.
2. A company team logistics package normally includes the following elements:
 - a. _____
 - b. _____
 - c. _____
 - d. _____
3. The company logistics package moves forward under the control of the _____.
4. The First Sergeant or unit guide takes control of the LOGPAC at the _____.
5. LRP locations should be _____.
6. There are _____ classes of supply.
7. If your company required new MOPP suits to replace worn out suits, you would request this as _____ supplies.
8. If your unit required a new tracked vehicle to replace a destroyed one, you would request this as _____ supplies.
9. The three methods of resupply are the following:
 - a. _____
 - b. _____
 - c. _____
10. Having an individual vehicle move back to a centrally located rearm and refuel point describes the _____ method of resupply.
11. Having vehicles remain in place or back out of their positions a short distance so the resupply vehicle does not remain exposed describes the _____ method of resupply.
12. What resupply method normally occurs only in assembly areas?
_____.
13. Emergency resupply normally includes only _____ and _____ supplies.
14. Pre-positioning supplies is a requirement in most _____ operations.

15. Army transportation operates as a partner in the defense transportation systems to.
_____.
16. At the strategic level, the United States Transportation Command (USTRANSCOM) provides
_____.
17. Army transportation incorporates military, _____,
_____.
18. At the theater strategic and operational levels, sufficient force structure deploys early _____
_____.
19. Theater transportation requirements largely depend on METT-TC?
Circle one: True or False
20. Tactical success on today's battlefield demands that equipment be _____,
_____, _____, or _____
_____.
21. The guiding maintenance principles are _____
_____.
22. The Army maintenance program is a flexible, four-level system. The levels are _____
_____, _____, _____, and _____.
23. The _____ base is the backbone of the maintenance system.
24. Who is the maintenance manager for deployed Army forces? _____.
25. In tactical support, where is inoperable and damaged equipment collected and/or repaired? _____
_____.

**Feedback
Requirements**

You will participate in an after action review (AAR) immediately following the examination for this particular lesson.

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SOLUTION FOR PRACTICAL EXERCISE 2

This practical exercise solution consists of 25 questions and answers. The answers to the questions came from FM 4-0, FM 3-90.1, and FM 3-90.2.

1. LOGPAC

Ref: FM 3-90.2, p 10-37, para 10-18

2. a. unit supply truck
b. POL trucks
c. ammunition trucks
d. vehicles carrying additional supplies and replacements

Ref: FM 3-90.2, p 10-37, para 10-18c(1-4)

3. supply sergeant

Ref: FM 3-90.2, p 10-37, para 10-18e

4. logistics release point (LRP)

Ref: FM 3-90.2, p 10-37, para 10-18f

5. well forward and easily located.

Ref: FM 3-90.2, p 10-38, para 10-18g

6. Ten

Ref: FM 4-0, p 6-4, Table 6-1

7. Class II

Ref: FM 4-0, p 6-4, Table 6-1

8. Class VII

Ref: FM 4-0, p 6-4, Table 6-1

9. a. Routine
b. Emergency
c. Prestock

Ref: FM 3-90.1, p 10-10, para 10-40 and p 10-14, para 10-54 thru 10-57

10. service station

Ref: FM 3-90.1, p 10-12, para 10-51

11. tailgate

Ref: FM 3-90.1, p 10-13, para 10-53

12. Tailgate

Ref: FM 3-90.1, p 10-13, para 10-53

13. Class III, V, VIII, NBC equipment, and, on rare occasions, Class I

Ref: FM 3-90.1, p 10-14, para 10-54

14. defensive

Ref: FM 3-90.1, p 10-14, para 10-56

15. deploy, sustain, and redeploy forces in all military operations.

Ref: FM 4-0, p 7-1, second paragraph

16. air, land, and sea transportation and common user port management at seaports of embarkation and debarkation.

Ref: FM 4-0, p 7-1, para 7-1

17. commercial and host nation capabilities.

Ref: FM 4-0, p 7-1, second paragraph

18. conduct reception, staging, and onward movements, which includes opening ports, establishing inland LOC, and providing C2 for movements.

Ref: FM 4-0, p 7-2, para 7-8

19. True

Ref: FM 4-0, p 7-3, para 7-9

20. maintained, recovered, repaired, or replaced as quickly as possible.

Ref: FM 4-0, p 8-1, first paragraph

21. replace forward and fix rear, and anticipate maintenance requirements.

Ref: FM 4-0, p 8-2, para 8-8

22. operator/unit, direct support (DS), general support (GS), and depot.

Ref: FM 4-0, p 8-3, para 8-12

23. strategic

Ref: FM 4-0, p 8-1, para 8-2

24. MMC

Ref: FM 4-0, p 8-43, para 8-16

25. as far forward as consistent with the tactical situation.

Ref: FM 4-0, p 8-2, para 8-5

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HANDOUTS FOR LESSON: W660 version 1

This Appendix contains the items listed in this table--

Title/Synopsis	Pages
SH-1, Advance Sheet	SH-1-1
SH-2, Student Notes	SH-2-1 thru SH-2-6
SH-3, PE-1	SH-3-1 thru SH-3-4
SH-4, PE-2	SH-4-1 thru SH-4-4

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Student Handout 1

Advance Sheet

Lesson Hours This lesson consists of six hours of small group instruction.

Overview This lesson will show you the requirement for combat service support (CSS) within your unit. The lesson consists of a before-class reading assignment, a classroom discussion, and two practical exercises conducted in the classroom.

Learning Objective

Terminal Learning Objective (TLO).

Action:	Recognize the elements of combat service support.
Conditions:	As a first sergeant, in a classroom environment, given FM 4-0, FM 3-90.1, and FM 3-90.2.
Standard:	Recognized the elements of combat service support IAW FM 4-0, FM 3-90.1, and FM 3-90.2.

- ELO A** State the purpose of Army combat service support.
 - ELO B** Identify the eight fundamental characteristics of CSS.
 - ELO C** Discuss CSS operations throughout the three levels of war.
 - ELO D** Discuss the orchestration of the CSS effort.
 - ELO E** Discuss the battalion and company trains role in CSS sustainment
 - ELO F** State the principles of the CSS planning process.
 - ELO G** Discuss the sustainment responsibilities at the unit level.
 - ELO H** Discuss resupply techniques at the unit level.
 - ELO I** Discuss LOGPAC operations at the unit level.
 - ELO J** Discuss strategic movements.
 - ELO K** Discuss operational and tactical transportation.
 - ELO L** Discuss maintenance organizations and techniques at the unit level.
-

- Assignments**
- Read: FM 4-0, Chapter 1, 4, 5, 6, 7, 8, 10.
 - Read: FM 3-90.1, Chapter 10.
 - Read: FM 3-90.2, Chapter 10.
-

Additional Subject Area Resources

None

- Bring to Class**
- Pen or pencil and writing paper.
 - All reference material received for this lesson and Practical Exercises 1 and 2.
-

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Student Handout 2

Student Notes

This student handout contains five pages of slides with student note space.

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CSS CHARACTERISTICS

- Responsiveness
- Simplicity
- Flexibility
- Attainability
- Sustainability
- Survivability
- Economy
- Integration

W660/OCT 04/YGT-1

CLASSES OF SUPPLY

- CLASS I: Subsistence
- CLASS II: Clothing, individual equipment
- CLASS III: POL
- CLASS IV: Construction/barrier material
- CLASS V: Ammunition
- CLASS VI: Personal demand items
- CLASS VII: Major end items
- CLASS VIII: Medical supplies
- CLASS IX: Repair parts and components
- CLASS X: Material to support nonmilitary programs

W660/OCT 04/YGT-2

FOCUS OF STRATEGIC CSS

- Conduct industrial operations.
- Maintain the industrial base.
- Provide information services.
- Provide strategic-level services.
 - Depot supply and maintenance.
 - Defense-wide base operations support.
- Manage strategic stockpiles.
 - Army prepositioned assets.

W660/OCT 04/YGT-3

FOCUS OF OPERATIONAL CSS

- Coordinating supply of arms, munitions and equipment.
- Synchronizing supply of fuel.
- Maintaining equipment and stocks.
- Coordinating support of forces.
- Managing materiel, movement and distribution.
- Providing lead service common-user logistics (CUL).
- Establish/manage/maintain sustainment facilities.
- Positioning and security of CSS activities.
- Acquiring/managing/distributing funds.

W660/OCT 04/YGT-4

FOCUS OF TACTICAL CSS

- Provide the CSS necessary to meet the commander's intent and concept of operations.
- Maximize the commander's freedom of action.

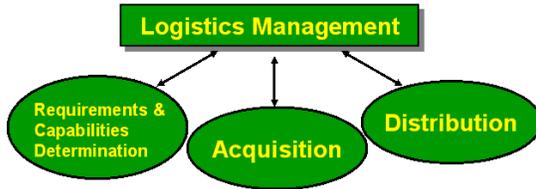
W660/OCT 04/YGT-5

SIX ESSENTIAL TACTICAL SUPPORT FUNCTIONS

- Man
- Arm
- Fuel
- Fix
- Move
- Sustain the soldier and their systems

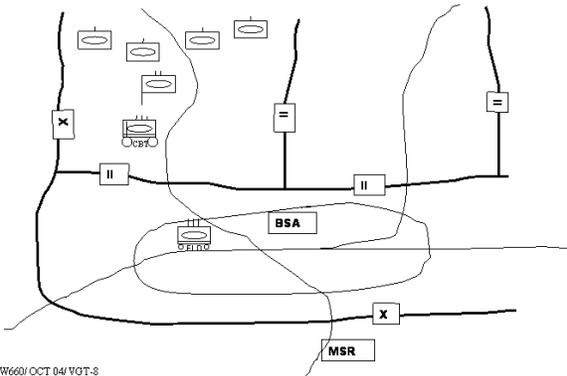
W660/OCT 04/YGT-6

ORCHESTRATING CSS ACTIVITIES



W6601 OCT 04/VGT-7

ECHELON TRAINS



W6601 OCT 04/VGT-8

CSS PLANNING PRINCIPLES

- **CSS functions are anticipative; support must be continuous**
- **Planning is a continuous function**

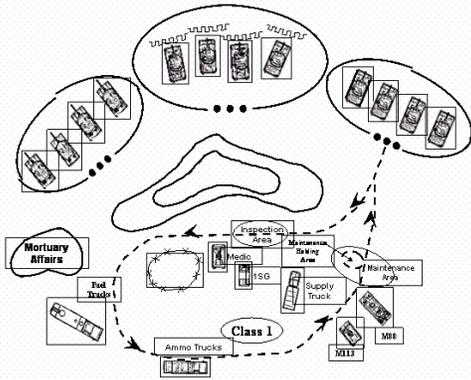
W6601 OCT 04/VGT-9

RESUPPLY OPERATIONS

- Routine
- Emergency
- Prestock

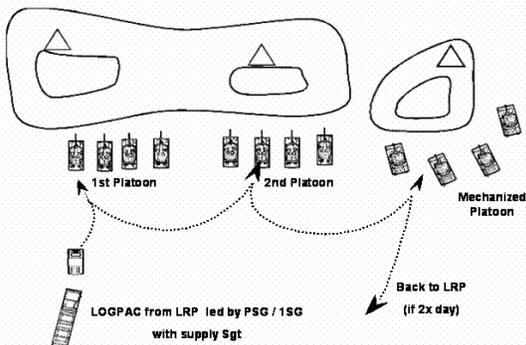
W660/ OCT 04/ VGT-10

SERVICE STATION METHOD



W660/ OCT 04/ VGT-11

TAILGATE METHOD



W660/ OCT 04/ VGT-12

TRANSPORTATION CAPABILITIES

- Movement control
- Terminal operations
- Mode operations

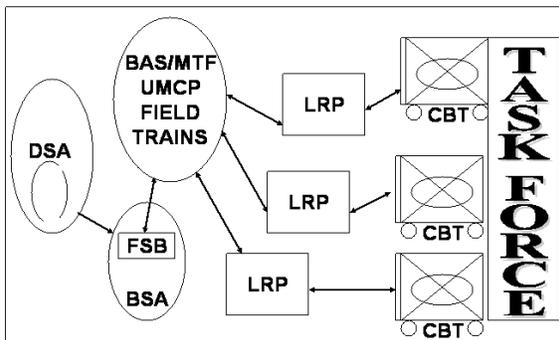
W660/OCT 04/YGT-13

MAINTENANCE PRINCIPLES

- Replace forward and fix rear
- Anticipate maintenance requirements

W660/OCT 04/YGT-14

SUMMARY



W660/OCT 04/YGT-15

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Student Handout 3

Practical Exercise 1

This student handout contains three pages of material for Practical Exercise 1.

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PRACTICAL EXERCISE 1
SECTION I--GENERAL

1. SAFETY REQUIREMENTS: None
 2. RISK ASSESSMENT LEVEL: Low
 3. ENVIRONMENTAL CONSIDERATIONS: None
 4. EVALUATION: After this practical exercise, the students will discuss each of the questions to determine the correct response. After the discussion, the instructor will issue a solution sheet to each student.
 5. RESOURCE REQUIREMENTS: FM 4-0.
 6. SPECIAL INSTRUCTIONS: This exercise will determine your grasp of the information presented in the first two hours of Lesson W660. Complete this exercise on your own. A group discussion will follow after all students finish.
 7. MOTIVATOR: As the first sergeant in your company, battery, or troop, you must be familiar with the CSS sustainment system. This will allow you to advise your commander, and your soldiers, on the proper planning to support your operations.
-

SECTION II--PROCEDURES

This practical exercise consists of 15 questions. You must use FM 4-0 to find the best answer to each question.

1. The purpose of Army combat service support (CSS) is _____
_____.
2. The eight CSS characteristics are _____,
_____, _____,
_____, _____, _____.
3. At the strategic level, responsiveness ensures that CSS capabilities are _____
_____.
4. CSS integration has two aspects: one is the integration of the CSS and operational efforts, and the other is _____
_____.
5. The Army performs CSS activities at all levels of war.
Circle one: TRUE OR FALSE
6. CSS at the strategic level is global and regional: it supports all Commanders-in-Chief (CINCs). It is this level of CSS that _____
_____.
7. What is the focus of strategic CSS? _____

_____.
8. What is the focus of operational CSS? _____,
_____.
9. The mission of the personnel readiness management system is _____
_____.
10. Standard reports available from the personnel accounting system include the _____,
_____, _____,
_____.
11. Fueling the force is demanding because _____
_____.
12. Why is arming the force a critical, demanding, and time-sensitive logistics function?
_____.
13. HR providers at all levels are responsible for _____
_____.
14. HR support enhances soldier performance by providing services which enhance his morale and sense of being cared for. Specific functions include _____
_____.

15. How does the CSS effort begin? _____
_____.

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Student Handout 4

Practical Exercise 2

This student handout contains three pages of material for Practical Exercise 2.

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PRACTICAL EXERCISE 2
SECTION I-- GENERAL

1. SAFETY REQUIREMENTS: None
2. RISK ASSESSMENT LEVEL: Low
3. ENVIRONMENTAL CONSIDERATIONS: None
4. EVALUATION: After this practical exercise, the students will discuss each of the questions to determine the correct response. After the discussion, the instructor will issue a solution sheet to each student.
5. RESOURCE REQUIREMENTS: FM 3-90.1, FM 3-90.2, and FM 4-0.
6. SPECIAL INSTRUCTIONS: This exercise will determine your grasp of the information presented in the fourth and fifth hours of Lesson W660. Complete this exercise on your own. A group discussion will follow after all students finish.
7. MOTIVATOR: As the first sergeant in your company, battery, or troop, you must be familiar with the CSS sustainment system. This will allow you to advise your commander, and your soldiers, on the proper planning to support your operations.

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SECTION II--PROCEDURES

This practical exercise consists of 25 questions. You must research the proper doctrinal source (FM 3-90.1, FM 3-90.2, and FM 4-0) and provide the best answer to each question.

1. _____ operations accomplish the most efficient resupply of forward task force units.
2. A company team logistics package normally includes the following elements:
 - a. _____
 - b. _____
 - c. _____
 - d. _____
3. The company logistics package moves forward under the control of the _____.
4. The first sergeant or unit guide takes control of the LOGPAC at the _____.
5. LRP locations should be _____.
6. There are _____ classes of supply.
7. If your company required new MOPP suits to replace worn out suits, you would request this as _____ supplies.
8. If your unit required a new tracked vehicle to replace a destroyed one, you would request this as _____ supplies.
9. The three methods of resupply are the following:
 - a. _____
 - b. _____
 - c. _____
10. Having a individual vehicle move back to a centrally located rearm and refuel point describes the _____ method of resupply.
11. Having vehicle remain in place or back out of their positions a short distance so the resupply vehicle does not remain exposed describes the _____ method of resupply.
12. What resupply method normally occurs only in assembly areas?
_____.
13. Emergency resupply normally includes only _____, _____, _____, _____, and _____ supplies.
14. Pre-positioning supplies is a requirement in most _____ operations.
15. Army transportation operates as a partner in the defense transportation systems to?
_____.
16. At the strategic level, the United States Transportation Command (USTRANSCOM) provides
_____.

17. Army transportation incorporates military, _____,
_____.

18. At the theater strategic and operational levels, sufficient force structure deploys early to _____.

19. Theater transportation requirements largely depend on METT-TC?

Circle one: True or False

20. Tactical success on today's battlefield demands that equipment be _____ or _____.

21. The guiding maintenance principles are _____.

22. The Army maintenance program is a flexible, four-level system. The levels are _____, _____, _____, and _____.

23. The _____ base is the backbone of the maintenance system.

24. Who is the maintenance manager for deployed Army forces?

25. In tactical support, where is inoperable and damaged equipment collected and/or repaired?
_____.