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## APPENDIX B

### ORDERS AND ANNEXES

Orders and annexes are critical components of DIVEN C2. The DIVEN commander exercises functional control over engineer operations within the division (engineer units supporting maneuver brigades) by including critical instructions in the division order and the engineer annex. The DIVEN commander also issues a unit order to exercise both functional and unit control over forces committed to division-level operations (corps engineer units under the DIVEN commander's control). These units are normally task organized by the division under the control of the DIVEN commander. Therefore, it is imperative that the DIVEN commander understands how to use the

combination of division and unit orders to convey the plan.

This appendix is divided into two major sections. The first section deals with the division OPORD and the engineer annex. This section provides the base format of the division OPORD, highlighting areas where the DIVEN commander may have direct input. It also outlines the format and content of the engineer annex as well as provides sample overlays. The second section focuses on DIVEN unit orders. It provides a format and content for the DIVEN unit WARNORD and OPORD, including possible annexes, overlays, and FRAGOs.

#### Division Orders and Engineer Annex

*Division OPORD.* Figure B-1, pages B-2 through B-4, is a sample format of the division OPORD. Paragraphs in which the

DIVEN commander may provide engineer input are highlighted.

(Classification)

Copy \_\_\_ of \_\_\_ copies  
 Issuing Headquarters  
 (Place (coordinates) country)  
 (Date-time group, month, year)  
 (Message reference number)

OPERATION ORDER (number) (code name, if used)

Reference(s): Map(s) and other references required.  
 Time Zone Used Throughout the Order:

**Task Organization:**

- **Must accurately reflect engineer task organization of the unit's supporting maneuver brigades, including the command or support relationship.**
- **Lists units under the DIVEN commander's command.**
- **Lists units remaining under division control.**

1. SITUATION.

**a. Enemy Forces. Include recent enemy engineer activities or capabilities critical to maneuver brigade commanders or essential to understanding the DIVEN plan.**

b. Friendly Forces.

**c. Attachments and Detachments.**

- **State the effective time for engineer task organization if it differs from other units.**
- **Clarify or highlight changes in engineer task organization that occur during a phase of the operation. For example, releasing division control of bridge units back to corps.**

2. MISSION.

3. EXECUTION.

Intent

a. Concept of the Operation.

- (1) Maneuver.
- (2) Fires.
- (3) Counter-air operations.

*Figure B-1. Division OPORD*

**(4) Intelligence.**

- **Include the focus of intelligence-collection efforts that impact on the maneuver plan.**
- **Provide subordinate units with information requirements that are command PIR, as coordinated with the G2 and the division commander.**

**(5) Electronic warfare.****(6) Engineer.**

- **Describe the concept of engineer operations to support the maneuver plan.**
- **Establish the main effort by mission and unit for each phase of the operation.**
- **Focus primarily on support to close and rear operations.**
- **Discuss division-level missions only as they impact on brigade commanders.**

**(7) (Others, as needed.)****b. Tasks to Maneuver Units.**

- **Mission-essential tasks to be accomplished by a specific maneuver element.**
- **Mission-essential tasks to be accomplished by engineers task organized to maneuver elements.**

**c. Tasks to Combat Support Units. May include division-level tasks assigned to the DIVEN organization. Only listed to inform brigade commanders of tasks under division control using division-level forces.**

**d. Coordinating Instructions.**

- **Critical instructions common to two or more maneuver units.**
- **Does not normally include SOP information unless it is needed for emphasis.**
- **May include times or events in which obstacle zones become effective, if they differ from the effective time of the order.**

*Figure B-1. Division OPORD (continued)*

4. SERVICE SUPPORT.

a. **General Concept of Logistics Support.**

- **Concept for push of Class IV/V (mines) supplies.**
- Concept for logistics support of organic and supporting corps engineers task organized to maneuver brigades, if not listed in service support annex.

b. Materiel and Services.

(1) **Supply.**

- **Brigade allocations of Class IV or engineer Class V supplies, if not contained in the engineer annex.**
- Tentative locations for transfer of Class IV/V (mines) supplies to maneuver brigades.

(2) Transportation.

(3) Services.

c. Medical Evacuation and Hospitalization.

d. Personnel.

e. Civil-Military Cooperation.

f. Miscellaneous.

5. COMMAND AND SIGNAL.

a. Command.

b. Signal.

Acknowledge

Commander's Signature (optional)  
Commander's last name  
Rank

OFFICIAL:  
(Authentication)

Annexes:

Distribution:

*Figure B-1. Division OPORD (continued)*

**Engineer Annex.** The engineer annex contains information not included in the base division order that is critical to the division engineer plan or required for subordinate engineer planning. It does not include instructions or orders directly to engineer units. All instructions or tasks are addressed to maneuver brigades, not supporting engineer units. More importantly, the engineer annex covers critical aspects of the entire engineer plan, not just parts that pertain to engineer units. The engineer annex is not a replacement for a unit order. For example, it does not give subunit orders and service support instructions to engineer units remaining under the DIVEN command; those orders and instructions are contained in the DIVEN unit order. The engineer annex should meet the following general criteria:

- Includes critical information derived from the EBA process.
- Contains all critical information and tasks not covered elsewhere in the order.
- Does not contain items covered in SOPs, unless the mission requires a change to the SOP.
- Contains information and tasks directed to major subordinate elements of the division, not supporting engineer units.
- Is clear, complete, brief, and timely and avoids qualified directives.
- Includes only information and instructions that have been fully coordinated with other parts of the OPORD, division commander, and staff.

The engineer annex includes any combination of written instructions, matrices, or overlays necessary to convey the necessary details of the engineer plan. The engineer

annex outlined below provides a standard format for both offensive and defensive operations. This format standardizes the organization of information included as written instructions. The actual content depends on the type of operation and engineer plan. A standardized annex format makes it easier for the engineer staff officer to remember what should be included as well as for subordinate staff officers to find required information. The format tailors the five-paragraph order to convey critical information.

The engineer annex may also include matrices and overlays, as necessary, to convey the plan. Matrices may be used as part of the body of the annex or as separate appendices. Matrices are used to quickly convey or summarize information not needing explanation, such as logistic allocations, obstacle zone priorities and restrictions, or task summary (execution matrix). Finally, overlays are used to give information or instructions and expedite integration into the overall combined arms plan. At division level, information included on overlays may include but is not limited to--

- All existing and proposed friendly obstacles and control measures (obstacle zones, restrictions, and lanes; directed or reserve targets; and division-level situational obstacles, including associated NAI/TAI).
- Known and plotted enemy obstacles (must also be on situation template).
- Logistic locations and routes, as they apply to engineer operations.
- NBC-contaminated areas.

Figure B-2, pages B-6 through B-9, is a sample format of a written engineer annex. Figures B-3 through B-5, pages B-10 through B-12, provide sample matrices and overlays.

ANNEX \_\_\_\_ (ENGINEER) TO OPORD \_\_\_\_\_

**TASK ORGANIZATION:** Lists engineer units only and task organizes them to maneuver brigades, the DIVEN organization, or the division.

- Lists all engineer units supporting the division and companies task organized to other than the parent unit.
- May include a summary of low-density equipment, as necessary, to clarify unit task organization.
- Addresses command/support relationships as appropriate.
- Clearly identifies changes in engineer task organization that occur during the operation.

1. SITUATION.

a. Enemy.

- (1) Terrain. Critical aspects of the terrain impacting operations.
- (2) Weather. Critical aspects of the weather impacting operations.
- (3) Enemy engineer capability/activity.
  - Known and plotted locations and activities of enemy engineer units.
  - Significant enemy maneuver and engineer capabilities that impact on engineer operations.
  - Expected employment of engineers based on the most probable enemy course of action.

b. Friendly.

- Designation, location, and activities of higher and adjacent engineers impacting on division or requiring coordination.
- Nonengineer units capable of assisting in engineer operations (nonengineer units capable of emplacing scatterable mines).

c. Attachments/Detachments.

- Lists units attached or detached, only as necessary to clarify task organization.
- Highlights changes in engineer task organization occurring during operations along with effective times or events.

2. MISSION. Same as division mission statement.

*Figure B-2. Engineer annex*

### 3. EXECUTION.

#### a. Scheme of Engineer Operations.

- Describes the concept of operations to support the maneuver plan. Must tie critical tasks or main effort to the division defeat mechanism.
- Establishes main effort of engineer effort by mission and unit for each phase of the operation.
- Focuses primarily on engineer support to close operations.
- Discusses division-level missions only as they impact on brigade commanders.

#### (1) Obstacles.

- Supplements the narrative above, focusing specifically on details of the counter-mobility effort.
- Identifies obstacle zones used to support the division deep, close, and rear operation. Assigns zone responsibilities, priorities, and restrictions to obstacle zones. Zone restrictions may preclude the use of certain types of mines or obstacles or the use of obstacles on specific routes through zones.
- Identifies, prioritizes, and assigns responsibilities for division-directed and reserve targets. Also provides execution criteria for reserve targets.

#### (2) Situational obstacles.

- Concept for the employment of situational obstacles, focusing on how they will be used to support the division maneuver plan.
- Division-planned and executed. Clearly identifies location, intent, and execution criteria of division-level targets planned and executed by the division.
- Division-planned/brigade-executed. Assigns responsibilities for executing division situation obstacles targeted and resourced by the division. Discussion must include details on NAIs, TAIs, DPs, and execution criteria.
- Division-resourced/brigade-planned and executed. Assigns intent and allocates resources to brigades. May also state execution criteria.
- For each type, clearly state the headquarters maintaining the authority to use scatterable mines and any restrictions on duration (by zone).

#### b. Subunit Instructions. (All tasks listed as brigade missions or to engineer units under division control.)

- Engineer tasks to be accomplished by a specific subordinate unit and not contained in the base OPORD.
- Engineer tasks to be accomplished by engineers supporting maneuver elements (only as necessary to ensure unity of effort).
- Division-level tasks assigned to the DIVEN organization are included. Only listed to inform subordinate unit commanders of tasks under division control using division-level forces.

**Figure B-2. Engineer annex (continued)**

c. Coordinating Instructions.

- Critical engineer instructions common to two or more maneuver units not already covered in the base OPORD.
- SOP information, only if needed for emphasis.
- Times or events in which obstacle zones become effective, if they differ from the effective time of the order.
- Division PIR that must be considered by subordinate engineer staff officers or that require reports to the ADE.
- Mission reports required by the ADE (if not covered in "Signal" paragraph or unit SOP).
- Explanation of engineer work lines, if used.

4. SERVICE SUPPORT.

a. Command-Regulated Classes of Supply.

- Highlights sub-unit allocations of command-regulated classes of supply that impact on the operation's control supply rate (CSR).
- May summarize in a matrix or table.

b. Class IV/V (Obstacle) Supplies Distribution Plan.

- States the method of supply (supply point or unit distribution) to be used for Class IV/V (obstacle) supplies for each sub-unit.
- Gives tentative locations for Class IV/V supply points or locations for linkup of corps push packages directly to units.
- Gives allocation of Class IV/V (obstacle) supplies by brigade, zone, or a combination. May be summarized in a matrix or table.

c. Transportation.

- Allocation and priority of support of corps and division haul or airlift assets dedicated to brigades for Class IV/V (obstacle) supplies haul.
- Requirements for brigades to supplement corps transportation of mission loads (for example, brigades responsible for haul forward of PL\_\_\_\_, each brigade provides \_\_\_ heavy expanded mobility tactical trucks (HEMTTs) to haul mission).

d. Health Services Support. Address arrangements made for corps engineer units operating in division areas to accomplish division-level missions.

e. Host Nation.

- Type and location of host-nation engineer facilities, assets, or support.
- Procedures for requesting and acquiring host-nation engineer support.
- Limitations or restrictions on host-nation support (for example, host-nation personnel not authorized forward of PL\_\_\_\_).

**Figure B-2. Engineer annex (continued)**

5. COMMAND AND SIGNAL.

a. Command.

- Location of key engineer leaders.
- Designated a logical chain of command.
- Designated headquarters that controls the effort within work lines on an area basis.

b. Signal.

- Nets monitored by the ADE, division tactical command post (DTAC) engineer and division rear command post (DREAR) engineer for reports, if different than SOP.
- Designated critical engineer reporting requirements of subordinates, if not covered in coordinating instructions or SOP.

ACKNOWLEDGE

COMMANDER  
Rank

Official.  
/s/  
Name  
Position

Appendices

*Figure B-2. Engineer annex (continued)*

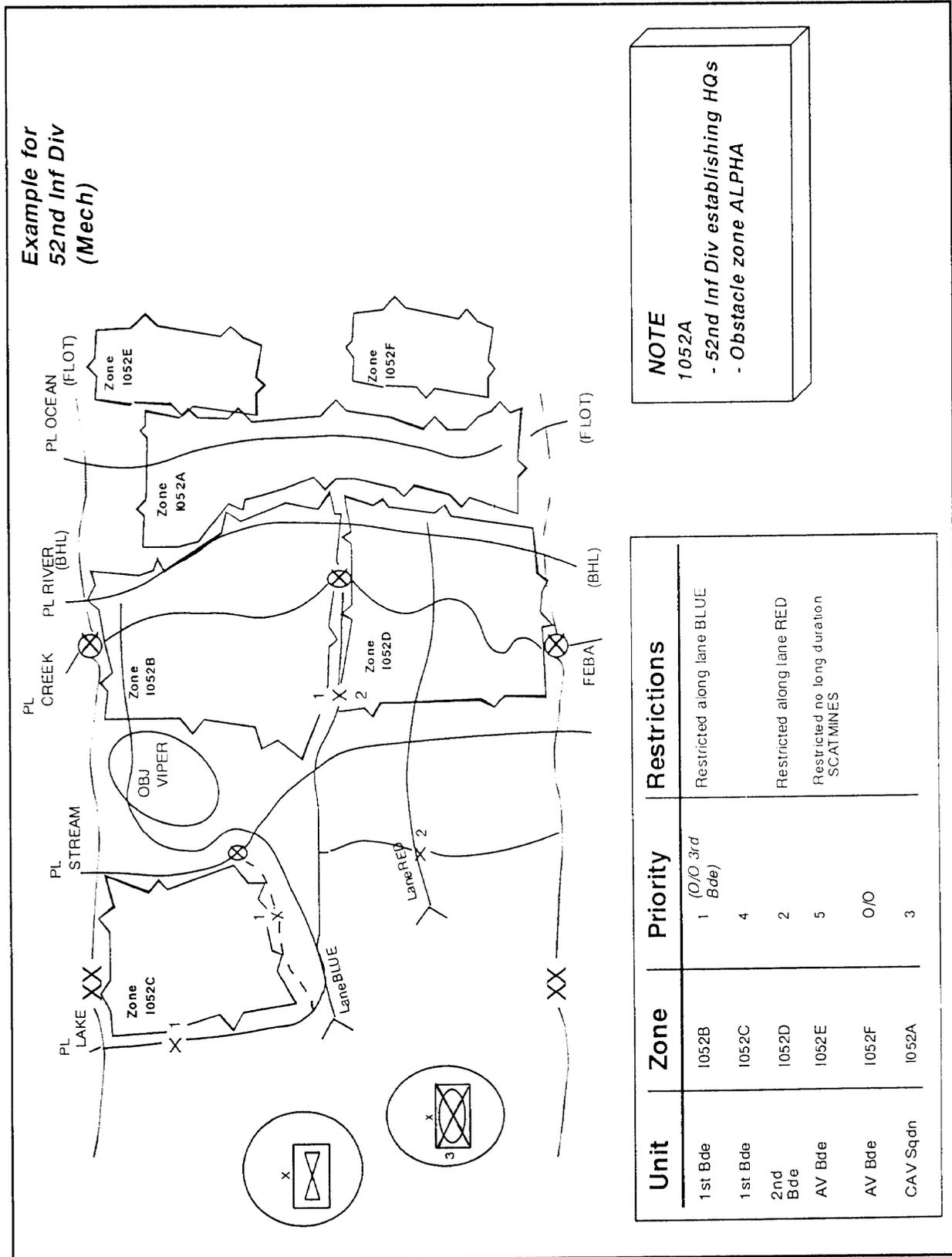


Figure B-3. Obstacle overlay

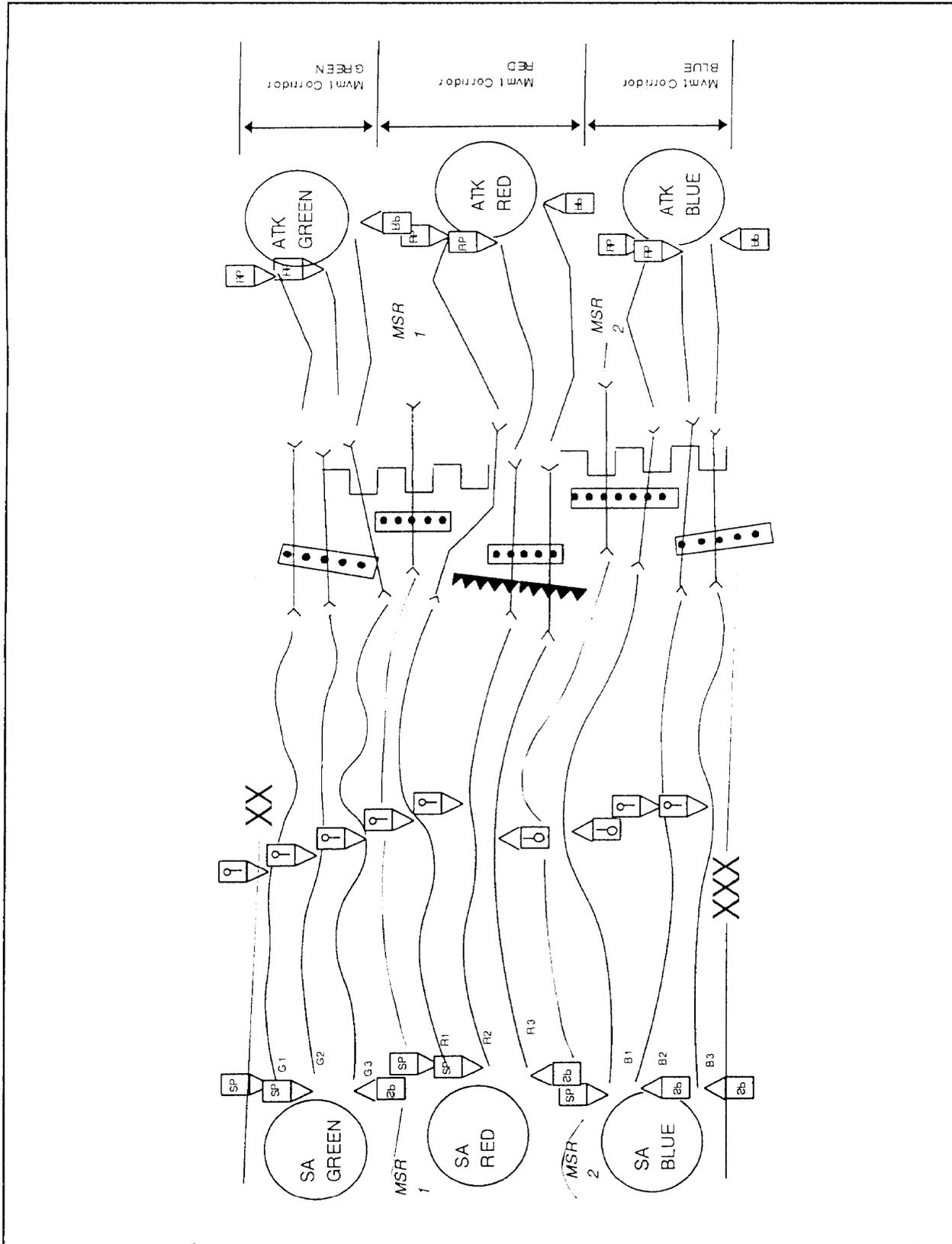


Figure B-4. Large-scale, breach-lane network

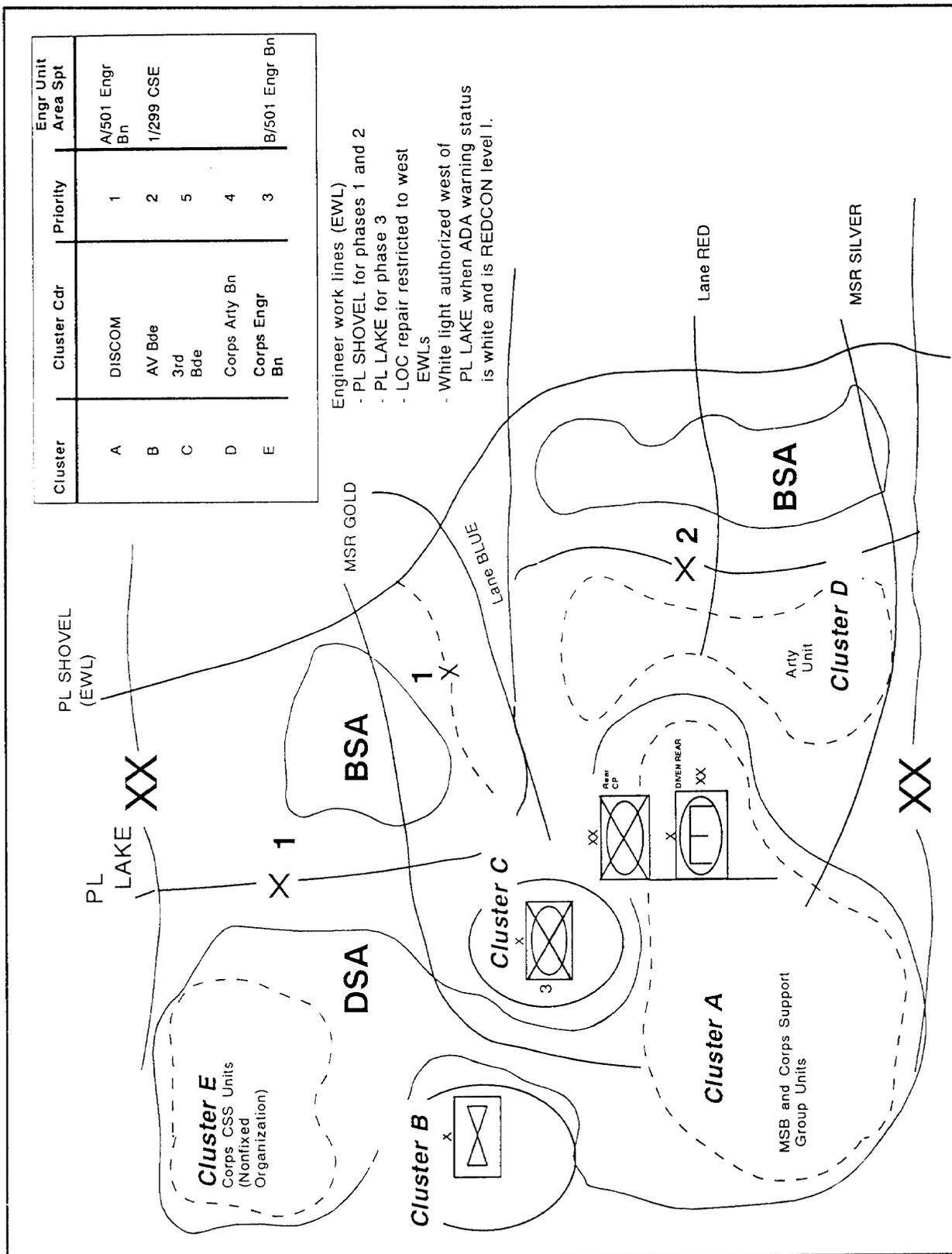


Figure B-5. Engineer rear area operations

## Engineer Unit Orders

The DIVEN commander uses a unit order to exercise unit control over engineer units remaining under his command. At the outset of an operation, the DIVEN commander uses his order to effect the necessary task organization of engineers in the division, assign initial missions, and establish sustainment integration with the FSB, MSB, and corps support group (CSG). Once the task organization is effective and during combat operations, the DIVEN commander directs subsequent unit orders only to those engineers under his command. Orders missions, and instructions to engineers supporting maneuver brigades in command relationships are included as tasks to the brigades in the division order. The exception is the DIVEN unit WARNORD. The DIVEN commander issues WARNORDs to all engineers in the division to facilitate parallel planning within engineer units and brigade-level engineer staffs. WARNORDs to engineers supporting maneuver brigades are for planning only and are not executive.

***DIVEN Unit WARNORD.*** The purpose of the WARNORD is to help engineer staff officers and engineer units initiate planning and preparations for an upcoming operation. The WARNORD is critical to foster parallel planning at the engineer unit and maneuver brigade levels.

There is no prescribed format for the WARNORD. It may be either written or oral but should include the following information:

**Heading:** WARNORDs must always begin with the words "Warning Order" to ensure recipients understand the information is for use only as a basis for planning and will be followed by orders. The addressees should also be listed in the heading. The DIVEN unit WARNORD should address all engineer units in the division.

**Situation:** This section includes a brief description of friendly and enemy situa-

tions and critical events. It may also include probable missions for the division and specified or implied tasks, and it may assign tentative tasks for planning only to engineer units.

**Attachments/detachments:** This section gives tentative and known changes to the task organization. However, it must be clear to engineers supporting maneuver brigades that changes in task organization are for planning and will not be effective until after an order is received from division by the supported brigade.

**Earliest time of move:** This section states the earliest possible time that units must be ready to move. For units under the DIVEN commander's command, actual movement times may be given, if known. The earliest time of move is critical to synchronizing sustainment operations to support future missions.

**Nature and time of the operation:** This section provides recipients with as much information about the division plan as possible to foster parallel planning and preparations and to set priorities. Depending on the maturity of the planning process, this section may include a concept of engineer operations or tentative scheme-of-engineer operations. Orders for preliminary action may also be included, assigning engineer tasks such as tactical/technical reconnaissance, establishing Class IV/V supplies (mine points for), and moving to linkup points. These orders are normally qualified as be prepared or on order tasks, depending on how the plan is established. Orders to engineers supporting maneuver brigades are always "on order" with execution instructions coming through maneuver headquarters-generated orders.

**Time and place of orders group:** Units under the DIVEN commander's command are told when and where to receive the entire order and who will attend. Units should

identify the composition of the orders group in their SOP.

**Administrative/logistical information:**

This includes instructions and warning information on changes in unit logistics operations and lash-up with maneuver sustainment systems as required by future operations. This information may also direct movement to assembly areas and provide instructions for sustainment after movement.

**Acknowledgement:** An acknowledgement of receipt is always required to make sure it is received by all addressees.

**DIVEN Unit OPORD.** The DIVEN commander issues OPORDs to all engineer units under his command. The DIVEN commander's OPORD may initially include any engineer unit operating in the division area as necessary to effect the task organization, assign missions, and establish sustainment responsibility at the outset of an operation. However, once the task organization is effected, all instructions and missions to engineers supporting maneuver brigades are conveyed in division orders and are addressed to the maneuver brigade commanders. The following is an outline of the content of DIVEN unit OPORDs using the standard five-paragraph field order (Figures B-6 and B-7, pages B-15 through B-20). When the order is an OPLAN instead of an OPORD, assumptions on which the plan is based are included at the end of the "Situation" paragraph.

**DIVEN Unit FRAGO.** The DIVEN commander will frequently need to modify his OPORD through the use of FRAGOs to make changes in engineer operations that allow the division to take advantage of tactical

opportunities. The DIVEN commander issues FRAGOs only to engineer units under his command. Changes in instructions to engineers supporting maneuver brigades in command relationships are conveyed through input into the division FRAGO. A FRAGO does not have a specified format, but an abbreviated OPORD format is usually used. The key to issuing a FRAGO is to maximize the use of the current OPORD by specifying only information and instructions that have changed. The DIVEN commander can rarely issue FRAGOs to his subordinate commanders face-to-face. He must normally issue FRAGOs over the radio. The DIVEN commander may use the XO or a member of his staff to issue the FRAGO in person to subordinate engineer commanders. This ensures that commanders understand the FRAGO and allows graphics to be provided. A FRAGO usually contains the following elements:

**Changes to task organization:** Any changes to unit task organizations made necessary by the modification to the order.

**Situation:** Includes a brief statement of current enemy and friendly situations which usually gives the reason for the FRAGO. It may also update subordinates on the current status of division-level engineer missions.

**Concept:** Gives changes to the scheme of engineer operations and the corresponding changes to subunit tasks. Must also include any changes in the division or DIVEN commander's intent.

**Coordinating instructions:** Includes changes to Service Support and Command and Signal paragraphs of the current OPORD made necessary by the change in scheme of engineer operations.



b. Friendly Forces.

(1) Higher.

- Corps and division missions and commander's intent; paraphrase corps or division commander's intent as it applies to engineer operations.
- Brief description of the corps and division plans; highlight those aspects that give purpose to missions.
- Corps engineer plans and priorities; Where applicable, describe these as they apply to division engineer operations.

(2) Adjacent. Highlight missions of adjacent divisions and engineer units that impact on division missions.

c. Attachments and Detachments.

- List attachments and detachments of organic and supporting engineers to the division, as necessary, to clarify the task organization.
- Highlight any attachments and detachments that occur during the operation, including the time or event that triggers change.

2. MISSION.

- WHO is the DIVEN organization.
- WHAT, WHEN, WHERE, and WHY is the division mission.
- WHAT also includes any essential division-level engineer missions.

3. EXECUTION.

Intent: The DIVEN commander's intent for the operation.

- Gives the DIVEN commander's vision of the operation and how it supports the division plan.
- Describes the purpose of operations (WHY).
- Describes the "end state" of division-level operations and its link to the "end state" of the division operation.
- Does not describe the scheme of engineer operations or subunit tasks.
- Must link engineer intent to the division defeat mechanism.

a. Scheme of Engineer Operations.

- Must be a clear, concise narrative of the engineer plan from beginning to successful end. Uses phases of division plan, organization of the defense, or battlefield framework to organize the narrative.
- Must focus on mission-essential engineer missions and division engineer main effort only; it is not a summary of all engineer tasks. The DIVEN unit order will usually concentrate on engineer operations in the division rear or division-level missions in the close operation.

*Figure B-6. DIVEN unit OPORD (continued)*

- Must clearly identify the DIVEN unit's main effort and how it shifts during the operation to support the division plan.
- (1) Obstacles.
    - Supplements the narrative above, focusing specifically on the details of the countermobility effort. Based on the nature of division-level engineer missions, instructions may concentrate only on obstacles in the rear area.
    - Identifies obstacle zones used to support division deep, close, and rear operations. Assigns zone responsibilities, priorities, and restrictions to division-level countermobility efforts and engineer units.
    - Identifies and assigns responsibilities for division-directed and reserve targets to be prepared by division-controlled engineer units.
  - (2) Situational obstacles.
    - Concept for the employment of situational obstacles, focusing on how they will be used to complement or augment conventional tactical obstacle efforts.
    - Discussion must include the details on NAIs, TAIs, decision points, and execution criteria if the scatterable mine target is division directed and executed by division-controlled engineer units.
    - Clearly state the headquarters maintaining the authority to use scatterable mines and any restrictions on duration (by zone).
- b. Tasks to Subordinate Units.
- Clear, concise listing of all tasks assigned to engineer units remaining under the DIVEN commander's control.
  - Each engineer battalion and separate company headquarters remaining under the DIVEN commander's control.
  - Tasks assigned by unit and generally listed in the order they will be executed during the operation.
  - Clearly distinguished "be prepared" and "on order" tasks from normal tasks.
  - Tasks/instructions common to two or more units are not included.
  - All division-level missions identified during the estimate process, if necessary.
- c. Coordinating Instructions.
- Includes tasks and instructions that are common to two or more units subordinate to the DIVEN organization.
  - Must include all pertinent coordinating instructions listed in the division order.
  - Does not list SOP orders unless needed for emphasis or changed due to the mission.
  - May include reporting requirements common to two or more units if not covered in "Signal" paragraph.

*Figure B-6. DIVEN unit OPORD (continued)*

- May authorize direct coordination between subordinate or adjacent engineer-specific tasks.
- Gives the time task organization is effective.

4. SERVICE SUPPORT.

a. General Concept of Logistic Support.

- Provide subordinates with the general concept of logistic support for units under the DIVEN commander's control throughout the operation.
- Identify, in general, primary and backup (emergency) means of subunit sustainment for each type of engineer unit under the DIVEN commander's control. Must address WHO (organic battalions under division control, corps battalions, or special separate companies); HOW (area support, unit support, supply point distribution, unit distribution); WHERE (corps storage area (CSA), DSA, BSAs, division MSB/FSBs, CSGs); and WHAT (classes of supply and critical services).
- Must be consistent with task organization and command support relationships.
- Make maximum reference to division CSS graphics.
- List the locations of key CSS nodes as they apply to the concept for logistic support (DSA, FSBs, CSA, CSG, ammunition supply points (ASPs)/ammunition transfer points (ATPs), and so forth) and planned subsequent locations, if they change during the operation.

b. Materiel and Services.

(1) Supply. For each class of supply--

- List allocation and CSRs for each unit, based on missions.
- List basic loads to be maintained by unit.
- List method of obtaining supplies if different from general concept. **NOTE: Mission logistics may be different than unit (scheduled) logistics.**
- Address any special arrangements or plans to sustain specific mission needs (Class IV/V or Class III push to sustain engineer preparation of defenses).

(2) Transportation.

- Primary, alternate, and "dirty" MSRs during the operation.
- Allocations of division or corps haul assets.

(3) Services. For each service, list the location and means of requesting and obtaining services.

c. Medical Evacuation and Hospitalization. For each type of engineer unit, indicate the primary and backup means of medical evacuation and hospitalization, including locations of health service facilities providing support on area or unit basis.

d. Personnel.

- Method of handling EPWs and locations of EPW collection points.

*Figure B-6. DIVEN unit OPORD (continued)*

- Method of receiving mail, religious services, and graves registration for each type of unit under the DIVEN commander's control.
- c. Civil-Military Cooperation. Engineer supplies, services, or equipment provided by host nation.
- f. Miscellaneous.
5. COMMAND AND SIGNAL.
- a. Command.
- Location of key leaders and DIVEN CPs during the operation and planned movements.
  - Location and planned movements of key division C2 nodes.
  - Designated logical chain of command.
- b. Signal.
- Identify any communication/signal peculiarities for the operation not covered in the SOP.
  - May designate critical reporting requirements of subordinates, if not covered in coordinating instructions or SOP.
  - Designate frequency-modulated (FM) nets subordinates to DIVEN unit command and operations and intelligence (O/I) nets. Designate net for mission and routine reports.

Acknowledge

DIVEN's Signature (optional)  
 DIVEN's last name  
 Rank

OFFICIAL:  
 (Authentication)

Annexes: Possible annexes may include but are not limited to—

- Execution Matrix
- Intelligence Annex
- CSS Annex
- Movement Annex

Overlays:

- Situation Template
- Engineer Operations Overlay: Includes division maneuver graphics and engineer graphics, as necessary.
- Division CSS Overlay.
- Division Obstacle Plan.
- Other Operations: River-Crossing, Large-Scale Breach, and Base Camp/Base Cluster Defenses.

Distribution:

*Figure B-6. DIVEN unit OPORD (continued)*

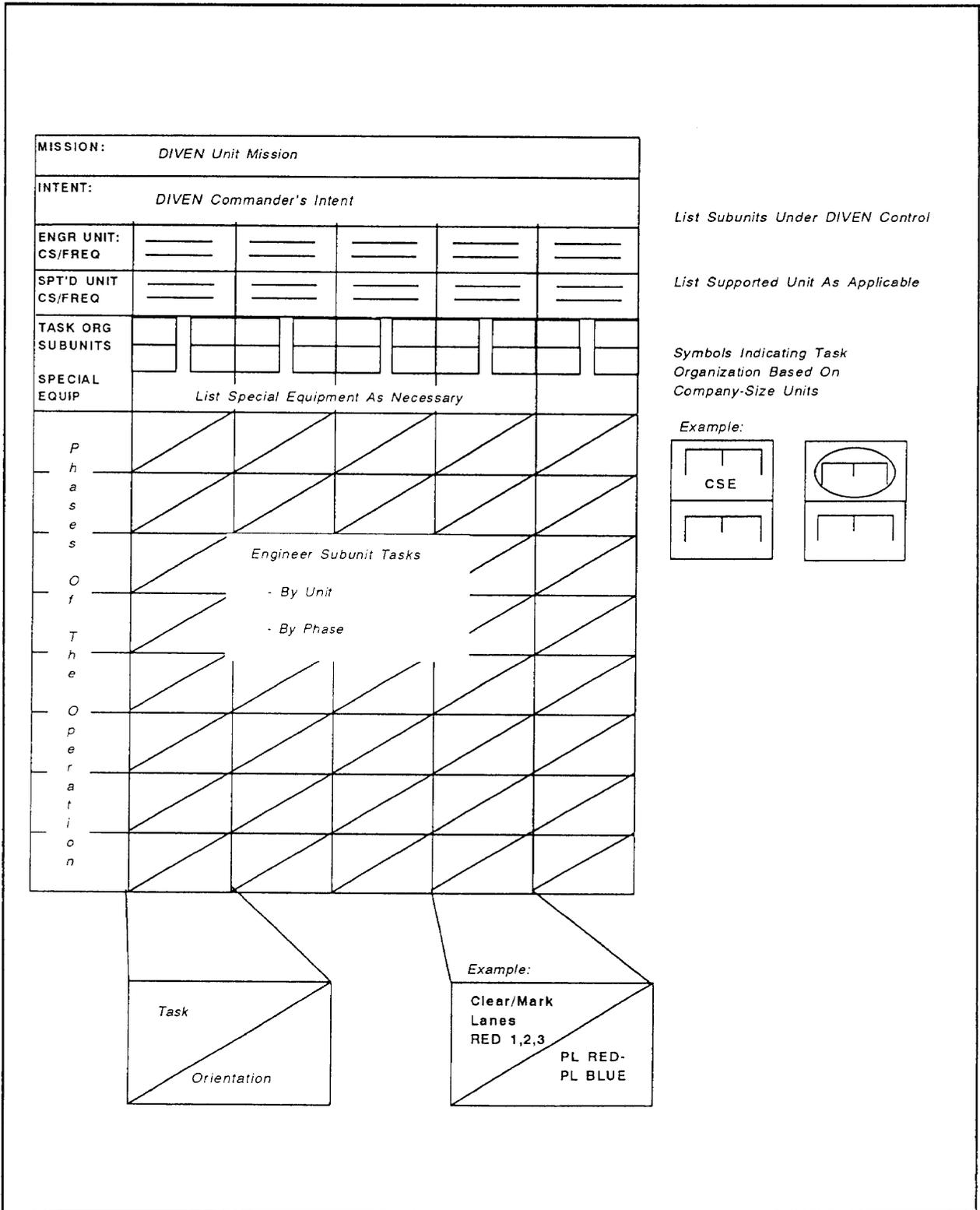


Figure B-7. Engineer execution matrix