Activity: “Plans are Worthless, but Planning is Everything:” How Failure to Properly Plan Led to the Failure of Operation Market Garden

Guiding question:
Why did Operation Neptune succeed and Operation Market Garden fail?

DEVELOPED BY PATRICK J. SLOWEY
Grade Level(s): 9-12
Subject(s): Social Studies
Cemetery Connection: Netherlands American Cemetery, Normandy American Cemetery
Fallen Hero Connection: First Lieutenant Warren H. Frye
Overview

As General Eisenhower stated in a speech on November 14, 1957, “plans are worthless, but planning is everything.” Using the military five-paragraph OPORD (operations order) format, students will be able to compare and contrast Operation Neptune with Operation Market Garden in order to understand and explain why Neptune succeeded while Market Garden failed.

Historical Context

After the breakout from Normandy in August 1944, Allied forces quickly moved eastward across France. In early September, the Allied armies found themselves on the doorstep of Germany. The only major barrier between them and the German heartland was the Rhine River. In early September, British Field Marshal Bernard Montgomery proposed an audacious plan to “jump the Rhine” and hasten the end of the war in Europe. The plan, Operation Market Garden, called for landing three airborne divisions along a 60-mile long swath of Holland. Their objective was to conduct a daring daytime airborne assault to seize a series of bridges (Market) over which a large British armored force (Garden) would cross over, propelling them over the Rhine and into the industrial heartland of Germany.

The plan was approved by General Eisenhower and launched within one week’s time. Although the opening stages of the operation were successful, a stronger than expected German response, coupled with weather and logistical challenges, doomed Market Garden to failure. The shattered attempt to vault the Rhine resulted in more than 17,000 Allied casualties and an additional eight months of hard combat in Europe. First Lieutenant Warren Hill Frye and many other men who served in Operation Market Garden are buried at Netherlands American Cemetery.

Objectives

At the conclusion of this lesson, students will be able to

- Understand how a military operations order initiates an operation;
- Understand how inaccurate or hastily planned operations can have disastrous results; and
- Develop critical thinking skills that assist with the decision-making process.
Standards Connections

Connections to Common Core

CCSS.ELA-LITERACY.RH.11-12.1 Cite specific textual evidence to support analysis of primary and secondary sources, connecting insights gained from specific details to an understanding of the text as a whole.

CCSS.ELA-LITERACY.RH.11-12.2 Determine the central ideas or information of a primary or secondary source; provide an accurate summary that makes clear the relationships among the key details and ideas.

CCSS.ELA-LITERACY.RH.11-12.3 Evaluate various explanations for actions or events and determine which explanation best accords with textual evidence, acknowledging where the text leaves matters uncertain.

Connections to C3 Framework

D2.His.9.9-12 Analyze the relationship between historical sources and the secondary interpretations made from them.

D2.His.11.9-12 Critique the usefulness of historical sources for a specific historical inquiry based on their maker, date, place of origin, intended audience, and purpose.

D2.His.14.9-12 Analyze multiple and complex causes and effects of events in the past.

D2.His.16.9-12 Integrate evidence from multiple relevant historical sources and interpretations into a reasoned argument about the past.

Documents Used ★ indicates an ABMC source

Primary Sources

Excerpts, Operation Orders, Operation Linnet / Operation Market Garden
National Archives and Records Administration

Excerpts, Operation Orders, Operation Neptune
National Archives and Records Administration

Photograph, Parachutes Open Overhead as Waves of Paratroops Land in Holland..., September 1944
National Archives and Records Administration (531392)
https://catalog.archives.gov/id/531392
Secondary Sources

*Americans in Great Britain Interactive ★
American Battle Monuments Commission
https://www.abmc.gov/sites/default/files/interactive/interactive_files/AGB_Web/

Charles MacDonald, “Decision on the Ground,” *The Siegfried Line Campaign*
U.S. Center of Military History
http://www.history.army.mil/books/wwii/Siegfried/Siegfried%20Line/siegfried-ch08.htm

Map, *Allied Invasion Force and German Dispositions, 6 June 1944*
United States Military Academy at West Point
http://www.westpoint.edu/history/SiteAssets/SitePages/World%20War%20II%20Europe/WWIIEurope54.gif

Map, *21st Army Group Operations, 15 September-15 December 1944*
United States Military Academy at West Point
http://www.westpoint.edu/history/SiteAssets/SitePages/World%20War%20II%20Europe/WWIIEurope68.gif

*Normandy Campaign Interactive ★
American Battle Monuments Commission

“Normandy: The U.S. Army Campaigns of World War II”
U.S. Army Center for Military History
http://www.history.army.mil/brochures/normandy/nor-pam.htm

*World War II Interactive Timeline ★
American Battle Monuments Commission
Materials

Activity One: Operations Orders (OPORDs)
- Military Operations Order PowerPoint Presentation
- OPORD Worksheet

Activity Two: Operations Orders (OPORDs) and Introduction to Operations Neptune and Market Garden
- OPORD Compare and Contrast Organizer

Activity Three: Compare and Contrast Operations Neptune and Market Garden
- Whiteboard or smartboard
- OPORD Compare and Contrast Organizer
- Operational Orders Packets for Operations Neptune and Market Garden
  - Intelligence
  - Mission
  - Operations
  - Administration and Logistics
  - Communication and Command

Assessment: Determine why Neptune succeeded and Market Garden failed
- Teacher Guide, Operations Neptune
- Teacher Guide, Market Garden
- Reasons for Success / Failure Worksheet

Lesson Preparation

Activity One: Operations Orders (OPORDs)
- Cue PowerPoint file on the Military Operational Order.
- Divide students into groups of three to four students each.
- Make one copy of the OPORD Worksheet for each group of students.
Activity Two: Operations Orders (OPORDs) and Introduction to Operations Neptune and Market Garden

- Secure access to computers (ideally, one per student).
- Divide students into groups of four to five students each.
- Print one copy of the OPORD Compare and Contrast Graphic Organizer for each student.

Activity Three: Compare and Contrast Operations Neptune and Market Garden

- Pair each student with another student with whom they have not previously worked.
- Print one copy of the OPORD Compare and Contrast Graphic Organizer for each student.
- Give students access to Operational Orders for Operations Neptune and Market Garden (printed or online). Each OPORD packet contains the OPORDS for both operations for Intelligence, Mission, Operations, Administration, and Communication. All packets are subdivided into two sections for each operation and contain the overall mission statement for both operations. Each student should receive one component (intelligence, etc) of the OPORD.

Assessment: Determine why Neptune succeeded and Market Garden failed

- Print one copy of the Reasons for Success / Failure Worksheet for each group.

Procedure

Activity One: Operations Orders (OPORDs) (45 minutes)

- Introduction
  - Show picture of massive airborne drop (slide two of the Military Operations Order PowerPoint presentation). Ask students, How does a military operation of this size and scope happen?
  - Explain how a detailed order is issued from the highest headquarters down to the common soldier about what is about to take place; who is responsible for certain task(s); when it is to occur; where it is to take place; and why the mission needs to be accomplished.
- The Parts of an OPORD
  - Using slides three through seven, the teacher will explain the five sections of an OPORD. These include Intelligence, Mission, Operations, Administrative, and Communications.
- Practical Exercise
  - Distribute one OPORD Worksheet to each group, then using slide eight, brief the mission to the class. The mission is to execute a class picnic.
  - Divide class into groups of three to four so students can begin to collaboratively work on writing their group's OPORD using the blank OPORD Worksheet (one worksheet per group) for the class picnic.
Activity Two: Operations Orders (OPORDs) and Introduction to Operations Neptune and Market Garden (45 minutes)

- Reassemble student groups from the previous activity, and ask them to prepare their OPORD briefs for the class picnic.
- Select one team for each subordinate mission to brief their OPORD to the class. Each group should turn in their completed OPORD Worksheet for a formative assessment.
- Transition students to the historical application. Analyze selected closed sources (either online or printed or both) for students to familiarize themselves with both Operations Neptune (also known as Operation Overlord or the Normandy Invasion) and Market Garden.
  - Possible sources for Operation Neptune include the ABMC’s Americans in Great Britain Interactive (choose March 1944 - May 1944), the ABMC’s Normandy Campaign Interactive, or the U.S. Army Center for Military History’s “The U.S. Army Campaigns of World War II: Normandy.”
  - Possible sources for Operation Market Garden include the ABMC’s World War II Interactive Timeline (choose 1944, Normandy and Rhineland Campaigns), or the U.S. Army Center for Military History’s “Decision on the Ground” (chapters 6-8).
- Using the Compare and Contrast Operations Organizer, students will record their findings. This task can be completed as a homework assignment if desired.

Activity Three: Compare and Contrast Operations Neptune and Market Garden (45 minutes)

- Pair students with someone with whom they have not worked previously.
- Distribute a new Compare and Contrast Organizer to each pair and ask them to synthesize their findings and reach a consensus on similarities and differences.
- Project a copy of the Compare and Contrast Organizer on the board. Using a whiteboard or smartboard, the teacher will lead a discussion on the student findings on the similarities and differences between the two operations. Emphasis should be placed on the overall success or failure of the operation – this helps focus students attention on finding the clues to success or failure in the actual orders.
- Re-assemble students into groups of four to five students each and distribute a different section of the actual OPORDs for the two invasions (one student in the group receives Intelligence, the next person receives Communications, etc).
  - Teacher Tip: You may find it helpful to make maps available to students (either printed or projected). Consider these examples for Operation Neptune and Operation Market Garden.
- Ask students to analyze their assigned portion (one of five sections) of the OPORD for each operation, looking for similarities and differences between the two.
Assessment

Determine why Neptune succeeded and Market-Garden failed (45 minutes)

• Ask students to return to their groups from the previous activity.

• Ask students to share their findings about the differences in the OPORDS for Operations Neptune and Market Garden.

• Using the Reasons for Success / Failure Worksheet, each group of students should synthesize the four most important reasons why Operation Neptune succeeded and Operation Market Garden failed.

• Facilitate a class discussion to discuss the reasons that the groups have synthesized.

Methods for Extension

• Students can compare and contrast other operations during World War II (different theaters or time frames).

• Students can research specific leaders, units, and individuals involved in one or both Operation Neptune and Operation Market Garden.

• The American Battle Monuments Commission maintains U.S. military cemeteries overseas. These cemeteries are permanent memorials to the fallen, but it is important that students know the stories of those who rest here. To learn more about the stories of some of the men and women who made the ultimate sacrifice, visit www.abmceducation.org/understandingsacrifice/abmc-sites.

Adaptations

• Teachers can annotate OPORD packets to assist in student understanding.

• Teachers can record sections of OPORD packets to assist student understanding.

• Teachers can consult the Teacher’s Guide for suggestions on which OPORD section is best suited for student groups of different abilities.

• Activity Two can be modified and used as a single lesson to compare and contrast Operation Neptune with Operation Market Garden.
The Military Operations Order

How does something like this mass parachute drop happen?

The Military Operations Order

Military Operations Orders (OPORDs) drive military operations at all levels, from the highest ranking officers to the lowest unit of soldiers. OPORDs tell soldiers and their leadership who is going to do what, when and where they are going to do it and probably most importantly, why they are going to do it.
The Military Operations Order

There are five major components (or Annexes) to an Operations Order. They include:

1. Intelligence
2. Mission
3. Subordinate Unit Missions
4. Administration (includes Logistics)
5. Communications and Command

Intelligence

- Tells soldiers what “enemy” they might encounter on the battlefield
- Includes: terrain, enemy units, weather, types of information needed, intelligence reports to headquarters, etc.
- Intelligence helps make sense of what is happening on the battlefield
The Military Operations Order

**Mission**
- Answers the five W’s - who, what, when, where, and why
- Answers what other units are going to be “attached” for the mission - these are units that are temporarily assigned to help you accomplish your mission

**Subordinate Unit Missions**
- You tell your subordinate (major units under you) what they are supposed to do.
- These subordinate unit missions become the Mission Paragraph
The Military Operations Order

The Military Operations Order

Administration (Logistics)
- Includes food, fuel, ammunition, water, resupply, medical evacuation, burials, traffic, etc.
- Determines plans for Prisoners of War, personnel replacements, uniforms to be worn, etc.
- Everything that helps an army exist and function in the field is included

The Military Operations Order

Communications and Command
- Explains how units are going to communicate with one another. Radio frequencies, telephone numbers, codes, etc.
- Command is where the headquarters is located and who is in charge if the officer in charge is lost or killed
The Military Operations Order

“Let’s have a picnic”

We are going to have a class picnic. There will be three major groups responsible for the following:
- Food
- Drinks
- Snacks

- Using the OPORD handout - prepare to write an Operations Order for the picnic

“Let’s have a picnic”

Intelligence

Terrain: Describe the location of the picnic (trees, grass, ponds, sand…)

Enemy: Bugs, animals, rodents…

Weather: Check the forecast, tell what people should expect and how it might impact the picnic.
The Military Operations Order

“Let’s have a picnic”

Mission
Mr./Ms. ____________, ______ grade class will conduct a picnic at ________________________, NLT (No Later Than) ____________ hrs on ________________________(date/year) in order to have fun and build a spirit of cooperation with fellow classmates.

“Let’s have a picnic”

Subordinate Unit Missions

*Group One:* Food (meat/vegetarian main course for lunch)
*Group Two:* Drinks (Variety of beverages)
*Group Three:* Snacks (food items to complement the main course)
The Military Operations Order

“Lets have a picnic”

Administration and Logistics
Each group has $250 to spend.
There are BBQs at the park with propane fuel provided.
The athletic dept has coolers and ice chests that you can use.
Need to plan for transportation, plates, cups, etc.

“Lets have a picnic”

Communications:
Mr./Ms. ____________ Cell phone # is 123 555-1234.
Other numbers or means of communication?
Mr./Ms. ____________ will be with the main group of students. Mr. Smith, the student teacher will come along as a chaperon.
The Military Operations Order

“Lets have a picnic”

• Now, given these slides and a blank OPORD, your group has ___________ minutes to develop and write an order to instruct your group to accomplish its assigned mission.

• Some lucky groups will brief their orders.
OPORD Worksheet

I. Intelligence
   a. Enemy Forces
   b. Terrain
   c. Weather


II. Operations (Missions to Subordinate Units or Individuals)

IV. Administration and Logistics
   a. Food
   b. Fuel
   c. Water
   d. Resupply
   e. Medical Evacuation
   f. Traffic
   g. Uniform

V. Communications and Command
   a. Communications (communication means, phone #s, etc.)
   b. Command (location of commanders, headquarters, etc.)
### OPORD Compare and Contrast Organizer

#### Similarities between the Two Operations

<table>
<thead>
<tr>
<th>Operation Neptune (Normandy)</th>
<th>Operation Market Garden (Holland)</th>
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#### Differences between the Two Operations

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## Reasons for Success / Failure Worksheet

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<th>Neptune / Market Garden (circle one)</th>
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<td>was a success / failure (circle one)</td>
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ABMCEDUCATION.ORG
American Battle Monuments Commission | National History Day | Roy Rosenzweig Center for History and New Media
Operation Market Garden
Teacher Guide

OPORD Paragraph One

Intelligence

Glossary:
- Bigot - Highest classification, very limited distribution before D-Day
- Enemy Order of Battle and Enemy Defenses are not included in this set of documents
- D+1 (looks like a / with a - through it) - the day following D-Day; D+2 is two days following D-Day and so on.
- ASP - Army Signal Platoon, higher level communications at Army level
- VHF - Very High Frequency radio wave
- G-2 - Intelligence Staff Section
- PW - Prisoner of War
- Bridge Classification - How much weight can a bridge support
- Blackout - Means not using lights at night (small markers on trucks so you can see the rear end of them at night, the lead truck has modified head lights)
- CIC - Counter Intelligence Center

Teacher’s Notes:
- Note on the main order that the British 1st Airborne Division was assigned to seize a bridge at Arnhem over the Lower Rhine River. The 82nd Airborne Division was assigned to seize bridges over the Maas (Meuse) River and the Waal River.
- Note the date - just four days before the start of the operation. The Allied planners began planning just seven days before the start of the operation. This hasty planning lead to a number of fatal assumptions.
- Note how much emphasis is placed on bridges, ferries, and canal locks.
- Extensive use of photo reconnaissance because very little intelligence was available, so a picture is worth a thousand words.
- Very little time to study the terrain or the enemy situation. It was assumed the German Army was on its last legs and would simply roll over and surrender when confronted with such overwhelming force.
OPORD Paragraph Two

Mission

Glossary:
• D-Day is the day the operation starts.
• D+1 is one day after D-Day (looks like D / with a - thru it, typewriters did not have a plus sign on them).
• A/C is aircraft
• CG4A is a Waco Glider that could carry up to 13 troops or a jeep or small cannon.

Teacher’s Notes:
• The big difference between this and Normandy is the size and complexity of the operation.
• This was going to be launched in broad daylight. It was the largest airborne operation conducted in World War II.
• All of the bridges had to be captured (i.e. all the dominoes had to fall into place for this to work). Failure to capture a bridge and/or hold the roadway open could (and did) result in catastrophic failure.

OPORD Paragraph Three

Operations

Glossary:
• 6 digit #s - 482375 are grid coordinates of a specific place within 100 meters. This system was used before GPS.
• Mines - land mines
• LINNET - is an operation that was cancelled in August when Allied forces moved so quickly across France that the Linnet was overcome by events.
• S-3 or G-3 is the Operations Staff Section of an army unit.

Teacher’s Notes:
• The key to this paragraph is the emphasis to move quickly and seize the various bridges and canals.
• Notice that the Division Artillery Commander is responsible for calls for support from British artillery and aviation. Working with an ally complicates things and makes success more problematic.
• Again, make sure students see that the date for this order is just three days before the execution of this operation. It is amazing they even got the planes off the ground on time.
OPORD Paragraph Four

Administration/Logistics

Glossary:

- **Class I** - Food and water
- **K rations** - Condensed field ration, like power bars
- **D rations** - also a meal for the field, but a little more substantial - like Meals Ready to Eat (MREs) into today’s military forces.
- **Class II** - General supplies, batteries, housekeeping material, tents, etc.
- **Class III** - Fuel
- **Class V** - Ammunition
- **Halazone Tablets** - Water purification tablets (yuck!)
- **Provost Marshal** - Military police
- **Blackout lights** - Very dim markers used on military vehicles at night to avoid enemy detection.

Teacher’s Notes:

- Unlike Operation Neptune, the planners anticipated a longer and larger fight during Market Garden. This is evident by some of the following admin/logistical requirements in the order, such as:
  - temporary cemetery
  - automatic aerial resupply
  - the quantity of materials to be resupplied
  - surplus baggage left in England (they were not coming home soon)
  - use of civilian laborers
  - The large number of pages with massive quantities of resupply should clue students into the fact that this was going to be a longer and probably harder fight than Normandy.
  - Last but not least, in the Main Order, Paragraph Four states “same as LINNET” - the planners did not have time to plan for this the administrative or logistical support for this operation, so they “cut and pasted” the admin/log support from a previous operation that never took place and figured that things would sort themselves out as the battle unfolded.
OPORD Paragraph Five

Command and Communications

Glossary:

- SIGABA - Is a secure means of communication (like having a satellite phone)
- SOI - Signal Operating Instructions (a code book with frequencies, call signs, and passwords)
- CP - Command Post, the headquarters for an army unit
- Net - Radio/communications network
- SCR - Signal Corps Radio - type of radio. SCR300 is a particular model radio produced for the U.S. Army

Teacher’s Notes:

- Code Clerks were British - again having a coalition partner makes coordination and execution more difficult in military operations.
- Note the use of carrier pigeons.
- Yellow and Orange panels are used for visual recognition. Interestingly, orange is the national color of the Netherlands and tons of orange material was displayed by the Dutch as Allied armies liberated them.
- Note the need to preserve telephone facilities, because Allied armies would use local telephone systems to talk to each other because the radios did not always work very well.
- All of the unit code words in the 101st AB Division began with K (Kangaroo was the Division Commander - Kangaroos jump - so do paratroopers.)
Operation Neptune / Operation Overlord

Teacher Guide

OPORD Paragraph One

Intelligence

Glossary:

- Bigot - Highest classification, very limited distribution before D-Day
- Enemy Order of Battle and Enemy Defenses - not included because overlay maps that could not be copied
- Rcn Plt - Reconnaissance Platoon, 101st Airborne (AB) Division Scouts
- D+1 (looks like a / with a - thru it). The day following D-Day, D+2 is two days following D-Day and so on.
- ASP - Army Signal Platoon, higher level communications at Army level
- VHF - Very High Frequency radio wave
- G-2 - Intelligence Staff Section
- PW - Prisoner of War
- GAF - German Air Force
- FUSA - First United States Army (higher headquarters)
- Blackout - Means not using lights at night (small markers on trucks so you can see the rear end of them at night, the lead truck has modified head lights)
- CIC - Counter Intelligence Center
- AR# - Army Regulation followed by specific number, rARs are rule books
- FM# - Field Manual followed by a specific number, tells you how to do something
- H+1 - One hour after an operation starts (ex: D-Day, H+1 is the first hour after an operation starts on D-Day)
- CR382932 - Is a specific grid coordinate on a map (accurate within 100 square meters). This method was used before GPS.
- OPs - Observation Posts
- Inundations - Low lying flooded areas
- Wheeled Vehicles - Trucks
• Tracked Vehicles - Tanks
• Undulating - Rolling hills
• Fields of Fire - Describes the area you can see. If you can see it, you can shoot at it.

Teacher’s Notes:
• Note the level of detail about the terrain. There is real concern about the flooded areas (many paratroopers drowned in these flooded fields after the jump on the morning of June 6).
• Note how important the causeways are - seizure/control of these was absolutely critical to the success of D-Day (that is why this mission is underlined).
• This OPORD was updated on May 27, 1944 - meaning that the order was being refined based on fresh intelligence.

OPORD Paragraph Two

Mission

Glossary:
• J-Hour - When the paratroopers began jumping into France
• Attachments - Other units that are temporarily assigned to the 101st in order to help the 101st accomplish its mission.
• Drop and Landing Zones - Annexes are not available because of size and brittle nature of original documents
• 65th Armd FA Bn - 65th Armored Field Artillery Battalion. These are artillery (cannons) that are mounted on tracked vehicles
• QM Trk Co - Quartermaster Truck Company. This is a unit of cargo trucks that are used to transport men and cargo.
• A Brty 474th AA AW Bn - This is an anti-aircraft gun battery (about six anti-aircraft guns to protect against air attack.

Teacher’s Notes:
• The 101st’s sole mission was to help the 4th Infantry Division get off UTAH Beach and move inland. The key was the causeways (elevated roadways) that crossed over the flooded fields behind UTAH Beach.
• This is going to be a very short operation, lasting a day or so. For the 101st they needed to land, capture the causeways, help the 4th Infantry Division move of the beach and inland, then go back to England.
OPORD Paragraph Three

Operations

Glossary:

- Parachute Echelon - Paratroopers who jumped into France
- Glider Echelon - Troops brought into France via gliders
- Seaborne Echelon - Not all the 101st parachuted into France. Many of the support troops came in over the beaches from ships.
- Enemy Battery - German artillery pieces (like the Band of Brothers episode concerning the landing and early fight in Normandy).
- Inundated - Flooded areas
- 6 digit #s - 365872 are grid coordinates of a specific place within 100 meters. This system was used before GPS.
- S-3 or G-3 is the Operations Staff Section of an army unit
- 81st AB AA (Airborne Anti-Aircraft Battalion of anti-aircraft guns)
- AAA - Anti-Aircraft Artillery - anti-aircraft guns
- 65th Armd FA Bn SP - 65th Armored Field Artillery Battalion (Self Propelled). These are artillery (cannons) that are mounted on tracked vehicles.
- Leggings impregnated - Leggings are laced up boot gaiters between your boots and pants. The leggings were impregnated with an anti-chemical compound in case the Germans used poison gas against the invasion forces.

Teacher’s Notes:

- Key to this paragraph is that the different units in the 101st have different subordinate missions to ensure the success of the landings. There is not very much detail. They needed to land, capture/control the causeways so that the amphibious landings could get off the beaches and move inland.
- Again, make sure students see that the dates are different on the updated changes to the order. This reflects new and/or changed missions to subordinate units based on fresh intelligence.
OPORD Paragraph Four

Administration/Logistics

Glossary:

- Class I - Food and water
- K rations - Condensed field ration, like power bars
- D rations - also a meal for the field, but a little more substantial - like Meals Ready to Eat (MREs) into today’s military forces
- Class II - General supplies, batteries, housekeeping material, tents, etc.
- Class III - Fuel
- Class V - Ammunition
- Halazone Tablets - Water purification tablets (yuck!)
- Provost Marshal - Military police
- Blackout lights - very dim markers used on military vehicles at night to avoid enemy detection.
- Serial (i.e. glider serial etc.) - A group of vehicles and/or aircraft organized to transport troops and/or cargo. Serial One, is the first group of several groups that are transporting troops/equipment to their new destination.

Teacher’s Notes:

- There are not a lot of supplies or resupplies planned for in Operation Neptune, because the 101st thought it would be a short operation. The 101st was expected to land, fight to secure the causeways leading from UTAH Beach, and be relieved by the 4th Infantry Division (which landed on UTAH). The planners in the 101st Airborne did not expect to fight more than a few days at the most before the division was to return to England.

OPORD Paragraph Five

Command and Communications

Glossary:

- Radio Silence - No one uses radios until a certain time or event happens so as not to give your enemy any clues that something important is about to happen
- GPO - General Post Office
- SIGABA - Is a secure means of communication (like having a satellite phone).
• SOI - Signal Operating Instructions (a code book with frequencies, call signs, and passwords)
• CP - Command Post, the headquarters for an army unit
• Net - Radio/communications network
• SCR - Signal Corps Radio - type of radio. SCR300 is a particular model radio produced for the US Army.
• Pyrotechnics - Signal flares - different colors are available to signal different actions that a specified in the order or the SOI

Teacher’s Notes:
• On the main order, paragraph five note that that the VII Corps Headquarters is on a U.S. Navy ship and the Airborne headquarters were tentative locations - based on where the Airborne thought they were going to land.
• Wire teams would actual lay telephone wire to connect different units with each other. This was a more secure way of communicating than with radios.
• Note the use of carrier pigeons.
• Note the warning not to use existing telephone poles because the Germans might heavily mine or booby trap the poles.
Photograph, *Parachutes Open Overhead as Waves of Paratroops Land in Holland...*, September 1944

National Archives and Records Administration (531392)
Map, 21st Army Group Operations, 15 September-15 December 1944

United States Military Academy at West Point
Map, Allied Invasion Force and German Dispositions, 6 June 1944

United States Military Academy at West Point
OPORD Intelligence

Operation Neptune Paragraph One OPORD

Glossary:

- **Bigot** - Highest classification, very limited distribution before D-Day
- **Enemy Order of Battle and Enemy Defenses** - not included because overlay maps that could not be copied
- **Rcn Plt** - Reconnaissance Platoon, 101st Airborne (AB) Division Scouts
- **D+1** (looks like a / with a - thru it). The day following D-Day, D+2 is two days following D-Day and so on.
- **ASP** - Army Signal Platoon, higher level communications at Army level
- **VHF** - Very High Frequency radio wave
- **G-2** - Intelligence Staff Section
- **PW** - Prisoner of War
- **GAF** - German Air Force
- **FUSA** - First United States Army (higher headquarters)
- **Blackout** - Means not using lights at night (small markers on trucks so you can see the rear end of them at night, the lead truck has modified head lights)
- **CIC** - Counter Intelligence Center
- **AR#** - Army Regulation followed by specific number, rARs are rule books
- **FM#** - Field Manual followed by a specific number, tells you how to do something
- **H+1** - One hour after an operation starts (ex: D-Day, H+1 is the first hour after an operation starts on D-Day)
- **CR382932** - Is a specific grid coordinate on a map (accurate within 100 square meters). This method was used before GPS.
- **OPs** - Observation Posts
- **Inundations** - Low-lying flooded areas
- **Wheeled Vehicles** - Trucks
- **Tracked Vehicles** - Tanks
- **Undulating** - Rolling hills
- **Fields of Fire** - Describes the area you can see. If you can see it, you can shoot at it.
Activity: “Plans are Worthless, but Planning is Everything” | OPORD Intelligence 2

Operation Neptune Paragraph One OPORD

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**Mission**

No. of Copies: 300
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- **FIELD CHORD**:
  - **NUMIN**: 1

- **MAPS**: FRANK 1/50,000, SGNS No. 1 & 2G; SHEET LA RIVE DU PUTIN (5K/5), FRANCE (5K/2 & 5K/2), MALAGAYE (5K/5 & 4), ZONE D (4K/6).

1. **Intelligence**: See Annex No. 1.
2. **The XXXII Infantry Division, reinforced, will land by air and with the 2nd British Armored Division on the night of 6 June 1944, with the principal mission of assisting the landing of the 4th Infantry Division and its passage inland from Utah Beach. It will subsequently protect the south flank of the VII Corps along the svenska river within the sector.**
   - **a. Attachments**:
     - 3rd Div.
     - 4th Div.
     - 6th Div.
     - 20th Div.
     - 30th Div.
     - 31st Div.
     - 32nd Div.
     - 33rd Div.

   - **b. The 6th Infantry Division leaves the 2nd Airborne Division on 8-9 June in three stages.**
   - **c. The 2nd Division will be supplied by air on a par with the 2nd Airborne Division.**
   - **d. The 3rd Division will be supplied by the 2nd Airborne Division.**

3. **Summary**:
   - **a. PARACHUTE TROOPS**: (See Annex No. 2, Air Movement Table).
     - **1**. SOE 2nd Platoon, with 3rd Platoon, attacked, landing on Drop Zone "A".
     - **2**. SOE 2nd Platoon, with 3rd Platoon, attacked, landing on Drop Zone "B".

   - **b.** The purpose of destroying the crossings of the svenska river at 315937 and 321930. Upon being repaired by the 6th Infantry Division will assemble southeast of Court de Fons and push a strong detachment to the west for the purpose of destroying the crossings of the Dives river at 309910 and 309928 and contacting the 22nd Air Division to St. Sauvinin-Le-Vineuil.

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Page No. 1 of 4 pages
**Activity:** “Plans are Worthless, but Planning is Everything” | **OPORD Intelligence 3**

**Operation Neptune Paragraph One OPORD**

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PO No. 1 Eq 201st Ab Div Apo 472, 5 & 6 May 1944 Cont'd.

(4) The 3rd Ab 201st Proch Inf, landing on Drop Zone "A",
will assemble in Division reserve prepared to mark and protect glider landing
Zone "B".

b. **GIANT SKELETON** (see Annex No. 2, Air Movement Table).

(1) The glider troops, following landing, will assemble in vicinity of
landing zones indicated in Annex No. 2, (2) and await orders.

(2) Batteries "A", "G", and "F", 81st Ab AA Bn, will be prepared for
movement to the 506th

PROCH. The Commanding General, Division Artillery, is charged with
arrangements for receiving the glider skeleton. For duties of glider pilots
see Annex No. 7.

c. **STARTING SKELETON** (see Annex No. 2a, Landing Table).

(1) Seaborne elements, upon landing, will assemble as
indicated in Annex No. 2a. All patrol sections are being
deployed in the establishment area. The assistant Division Commander is
charged with

arrangements for receiving and directing the seaborne elements of
the Division.

(2) Batteries "D", "E", and "F", 81st Ab AA Bn are initially
attached to the 21st FlAA Group for the anti-landing A.A. defense of
St Ma\^\(\text{"}t\) in.

(3) The 65th Arm Fh 33 (CF), initially attached to the
4th Inf Div, will move to the control of the 151st Ab Div on
B-day by mutual

arrangement with the 4th Inf Div. It will be prepared to furnish

general artillery support from beach positions.

x. (1) All reports will be submitted to reach this Headquarters
at 0000 daily by Inf Regiments, Div arty, 81st Ab AA Bn, 326th Ab Eng

battalions, and separate companies.

(2) For interception of enemy communication installations
see Annex No. 2a.

y. (1) See Administrative Order No. 2.

(2) Signal Operations Instructions (Assault) Index 1-1

will become effective at "J"-Hour.

(3) Signal Operations Instructions (Reference) Index 1-1

will be effective at "0000", 2 P.M.

z. (1) VII Corps: VII Corps: VII Corps:

Advanced Headquartes: LOBURG (199th) after 1500 D plus 1

4th Inf Div: ST. MARTIN DE VASSOUL (109th)

81st Ab Div: URVILLE (109th)

101st Ab Div: FAUCY (308th) (tentative)

So 301st Proc Inf: TROYES (tentative)

132nd Proc Inf: ST. MA\^\(\text{"}t\) in (tentative)

806th: ST. MARTIN (308th) (tentative)

5th Ab 201st: ST. MA\^\(\text{"}t\) in (tentative)

56th: ST. MA\^\(\text{"}t\) in (308th) (tentative)

137th: ST. MA\^\(\text{"}t\) in (tentative)

17th: ST. MA\^\(\text{"}t\) in (308th) (tentative)

c. **Radio Silence**.

(1) Airborne elements will break radio silence upon landing.

(2) At 1815 or 1845, radio silence may be released

by the Commanding General, Division Elements within approximately twelve (12) miles

of point of assembly, units otherwise prohibited.

d. **Axis of Signal Communication**.

VII Corps: LOBURG - VIII Corps - MONTBOURG -

VASSOUL - ST. MA\^\(\text{"}t\) in - BAVINCHER -

MONTBOURG - VASSOUL - ST. MA\^\(\text{"}t\) in

(2) PAG Group: PAG Group: PAG Group:

will be sent immediately upon capture of
strongpoints and battery at ST. MA\^\(\text{"}t\) in

60 - SENECA

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c. **Photo Reconnaissance Missions:**

(1) To be flown under control of VII Corps and First Army. Information obtained from aerial photos to be disseminated by O-2 as obtained.

d. **Chemical Intelligence:**

(1) All information, positive or negative, concerning prospective use of chemicals by the enemy to be forwarded to O-2 by fastest possible means.

4. **REQUIREMENTS FOR MANHATTAN PRISONERS AND CUGHT DOCUMENTS:** (See O-2 Operational Memorandum No. 12, this Headquarters, 24 April 1944.)

a. **Prisoners of War:**

(1) PW tags will be distributed and used when available. If not available, senior MO of escort will carry memorandum stating place, time and circumstances of capture and capturing unit.

(2) GLF flying personnel will not be interrogated.

b. **Personal Documents:** Personal documents such as letters, diaries, notebooks, etc., will be included in bags which are being distributed and will accompany prisoners. Maps containing information similar to that set forth in Par 4 a. (1) above will be included in tag.

5. **MAPS AND PHOTOGRAPHY:**

a. **Operation:** Map distribution will be made in command areas and at airfields pursuant to MAP Allowance Table, FERA, with additional maps to insure supply to all detachments. For map distribution plan see O-2 Operational Memorandum No. 26, this Headquarters, 18 May 1944.

b. **Photographs:** Photographs to be distributed as obtained depending upon the master received.

6. **OPERATOR-INTELLIGENCE:**

a. See O-2 Operational Memorandum No. 1, this Headquarters, 4 April 1944, and O-2 Operational Memorandum No. 20, this Headquarters, 18 May 1944.

b. Camouflage and blackout discipline to be observed to maximum degree compatible with operations.

c. **GD** to send 1 officer and 3 enlisted men with 506th Prov. Inf. to move into CAMPFIRE on capture, to perform GD missions; to send 3 enlisted men with 501st Prov. Inf. to move into CAMPFIRE on capture, to perform GD missions.

7. **REPORTS AND DISTRIBUTION:**

(OPERATIONS TO BE RECORDED IN USING 1/50,000 MAP, GMW TO MAP).**

a. **Routine:**

(1) Situation reports from all combat units every hour on the half hour.

(2) O-2 Periodic Reports to reach O-2 by 2400 daily.

(3) **PW Interrogation Team** reports closing 2300 to O-2 by fastest possible means.

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NEPTUNE

Annex No. 1
In 3 Pages
Page No. 3.

(4) with attached report closing 2400 giving summary of sabotage and plans for sabotage obtained to G-2.

(5) at the close of the operation reports as required by AR 345-105, change 3, Par. 10, and RM 102-5, Par. 43, as pertains to Intelligence will be rendered by all units to G-2.

b. Spot Reports:

(1) Spot information reports will be rendered to G-2 as obtained. Particular attention will be paid to new identifications, changes in situation, new weapons, use of chemicals and location of armor.

(2) Parachuteicians to render report as to situation one hour after landing and at first light D Day.

(3) Report immediately the capture of any enemy exits by number. Report condition of any roads hourly after capture until H plus 1.

a. INFORMATION CENTER

Corps G-2 will maintain an Information Center at 22 24 9 32 (2605 1347, Sheet 3/28 NM 1/26,000) beginning D Day on. Information of current tactical situation may be obtained at this point. Center to close when First Army takes over beach maintenance.

TAYLOR

Corps G-2

Sub-Annexes:

Annex 1 A. - Order of Battle.
Annex 1 B. - Defense.
Annex 1 C. - Ground Reconnaissance.
Annex 1 D. - Terrain Study.

References:

G-2 Operational Memorandum No. 1, 101st AB Div., 4 April 1944. (Security Instructions).
G-2 Operational Memorandum No. 20, 101st AB Div., 18 May 1944. (Security Instructions No. 1).
G-2 Operational Memorandum No. 21, 101st AB Div., 18 May 1944. (Estimates of the Situation).
G-2 Operational Memorandum No. 22, 101st AB Div., 18 May 1944. (Map Distribution).
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1. AREA UNDER CONSIDERATION: The area under consideration is bounded on the South by the line CAENAN-PIETERS-LENEST; on the West by the line LIEZAN-LE BOUVET DE PINZON-ST. SAUVEUR LE VIGEUR-VAUDOIS; on the North by the low east-west ridge extending from VALOUGES to QUEVILLER, and on the West by the English Channel and the CAENAN Channel.

2. GENERAL OVERVIEW OF THE AREA:

a. DRAINAGE SYSTEM:

The area under consideration is drained primarily by the OWN River and its tributaries. The average depth of the river valley is 12 to 20 feet and the slope of the river bed is very gentle. The current does not exceed 2 mph. The OWN River is 20' to 50' wide and at least 3' 3'' deep as far up as ST. SAUVEUR LE VIGEUR and there is large traffic between CAENAN and ST. SAUVEUR LE VIGEUR. The banks of the OWN vary from 6' to 10' high. The OWN Channel is 100' to 200' wide with flood banks of 6' to 8'. If the flood banks were destroyed, the lowlands on either side would be flooded at high tide.

The inundations shown on the attached map are artificial. The inundated area in the river valleys is controlled by locks and sluices at LA BASSETTES (399S69). The depth of the flooding varies from 60' to 70' to only soft ground in other places. If the locks were destroyed, the river OWN would be tidal as far up as the confluence of the OWNERT, but the flooding would be erratic and very unlikely in summer. If the locks were properly controlled, it would take an estimated 7 days for the inundated area to drain but the ground would still be saturated and soft and an obstacle to vehicles of all kinds.

The inundated area back of the beach is likewise artificial, being normally drained by a complex network of drain ditches. The larger ditches have been blocked from 90-150 yards back of the beach (see map) to obtain this inundation. If these ditches are not cleared it is estimated it would take 10 days to drain this area and even then it would be very soft and unsuitable for vehicles of all types. Even infantry would find it difficult to deploy, though some passage might be found.

b. RIDGE STUDIES:

There are two clearly defined ridges in the area. One runs east-west from VALOUGES to QUEVILLER, the other generally east-west from the vicinity of QUEVILLER to south of River AQ. There are no other clearly defined ridges in the area, the terrain being gently rolling, and of no definite pattern. The two ridges are divided, swamps in the area generally exceed 5 meters. There is high ground near OWNERT (110 meters) and south of the OWN there are two high hills at 125 meters and 130 meters elevation respectively.

c. NOTE:

The main routes in the area are as follows:

(1) The CAENAN-VAUDOIS highway. (North-South).
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b. OBJECTIVES:

The chief obstacles in the zone are the inundated areas. If these are to be maintained, LA BAGNOLITE looks must be captured intact. The soil under inundation is generally clay and gives very poor bearing when wet. These areas are effective obstacles against wheeled and tracked vehicles. Road blocks and mines are known to exist in the areas adjoining the beaches. The ditches and embankments along the roads deflect tanks, preventing vehicles from deploying across country in many places. This renders area defense vulnerable. The many tree lines, orchards, hedgerows, ditches and duffled roads constitute excellent of an obstacle to glider landings.

c. COVER AND CONCEALMENT:

Cover and concealment are only fair in the area north of the DOURSE River, since the terrain is only lightly undulating. There is concealment from ground observation but not from aerial observation. South of the DOURSE, the hilly terrain, cover and concealment are satisfactory. Due to the amount of vegetation, camouflage should be comparatively easy. Vegetation is predominantly light green in color. Camouflage nets should be pre-ornamented accordingly.

d. OBSERVATION:

Observation is relatively poor due to the undulating nature of the country and the numerous hedge rows, orchards and lines of trees. South of the DOURSE, the wooded areas and the broken, rocky nature of the country makes observation difficult. There is a notable absence of commanding terrain.

Observation from the VALLOGES, QUESNIVILLE ridge permits interdiction fire by enemy artillery on roads and intersections from ST. AMAND BELLE to MONTBOURON.

1. FEEDS:

Within the area, fields of fire necessarily suffer from lack of observation. However, short fields of fire across individual fields are excellent.

2. CRITICAL TERRAIN FEATURES:

a. The inundated valleys of the DOURSE and its tributaries.

b. The inundated area back of the beaches.

c. The looks at LA BAGNOLITE.

d. The look at 64927.

e. The crossings of the DOURSE and its tributaries.

f. The center of communications VALLOGES and the many avenues of approach from the North.

g. The east-west ridge from VALLOGES to QUESNIVILLE.

h. The east-west ridge extending from north of the River AY to POIT LAVOER (AMESVILLE).

i. The high ground back of the beach.

j. The communications bottleneck at CHAILLY.
5. TACTICAL EFFECT OF THE PENINSULA:

a. The inundated areas offer excellent protection from the South and the West since the crossings have been seized or destroyed. Destruction of the crossings from the South will augment the defense characteristics offered by the inundated areas.

b. The most favorable lines of defense across the base of the COTENTIN Peninsula would be:

1) Valley of the DOURA River, PRAIRIES MAELISSUS, to nearest west coast or via valley of River OLLANDER.

2) Valley of the DOUTE River, PRAIRIES MAELISSUS DE OINES, to nearest west coast via the valley of the River Af.

c. In general the road net is adequate but will require more reconstruction and maintenance.

d. The selection of the exits from the beaches and high ground back of them is imperative for the successful and early deployment of beach troops.

e. The selection of the crossings of the River DOUTE is mandatory, to prevent the enemy from crossing the inundated area from the South.

f. The exits approaches from the North make for easy access to the area from the communications center at VILDRIE.

TOPOGRAPH - ROY ROY
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Amendment No. 1 to Annex No. 1
To
Field Order No. 1

1. Ground reconnaissance as shown on Annex 1 C is amended as follows:
   a. 502nd Parachute Infantry: No change.
   b. 501st Parachute Infantry
      (1) OP's previously designated are cancelled.
      (2) 501st Parachute Infantry to establish and maintain observation post designated on overlay for the 506th Parachute Infantry.
   c. 506th Parachute Infantry
      506th Parachute Infantry to establish observation post in the vicinity of Host Junction at 1A FOURSIGHTS (4326145) with alternate OP in the vicinity of HURRIBER (426873).

2. Par. 6 is amended by changing the location of the Corps Information Center to K44950 (G593 A407, Sheet J4/13 1/25,000).
OPORD Intelligence

Operation Market Garden Paragraph One OPORD

Glossary:

- Bigot - Highest classification, very limited distribution before D-Day
- Enemy Order of Battle and Enemy Defenses are not included in this set of documents
- D+1 (looks like a / with a - through it) - the day following D-Day; D+2 is two days following D-Day and so on.
- ASP - Army Signal Platoon, higher level communications at Army level
- VHF - Very High Frequency radio wave
- G-2 - Intelligence Staff Section
- PW - Prisoner of War
- Bridge Classification - How much weight can a bridge support
- Blackout - Means not using lights at night (small markers on trucks so you can see the rear end of them at night, the lead truck has modified head lights)
- CIC - Counter Intelligence Center
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Disregard except for This is who (units) that received this order in distribution.
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ANNEX No. 1

1. SUMMARY OF THE MISSION SITUATION:

2. ESSENTIAL ELEMENTS OF INFORMATION:
   a. Determine strength, composition, location and disposition of enemy forces capable of opposing landing of the Division.
   b. Determine strength, composition and location of enemy defenses located in Division area.
   c. Determine strength, composition, location, method and direction and speed of movement of enemy withdrawing from their present line along the KESSEL ROAD to our Division area.
   d. Determine strength, composition, location, method and direction and speed of movement of enemy moving into Division area from vicinity of the BONN ISLANDS.

3. SECURITY AND OBSERVATION MEASURES:
   a. Artillery:
      (1) Controlled by British Airborne Corps.
      (2) Our OP will be prepared to intercept VHF reports of aerial reconnaissance results and will report all information obtained to AGF, G-2.
   b. Ground Reconnaissance:
      (1) As provided in Annex 1 a.
      (2) Immediate reports of units identified through OPs will be submitted to AGF, G-2.
   c. Observation Posts:
      (1) Regimental control.
   d. Chemical Intelligence:
      (1) Any indications, positive or negative, that the enemy intends using chemical weapons will be forwarded to AGF, G-2, by fastest means possible.

NOTES:

Will make thorough reconnaissances of all the main bridges within Division area with particular attention to width and classification of bridges. Tactoons at-

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**Annex No. 1**

Page No. 2.

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tended to regiments will execute this as soon as practicable.

4. **PROCEDURE FOR HANDLING PERSONNEL OF ARMY CAPTURED DOCUMENTS**

   a. **Prisoners of War**

      (1) **Procedure:** See G-1 Operational Memorandum No. 12, this Headquarters, dated 24 April 1944.

      (2) **Procedure:** See G-1 Operational Memorandum No. 12, this Headquarters, dated 24 April 1944.

   b. **Documents**

      (1) Personal documents (letters, diaries, etc.) will be placed in bags if available and allowed to accompany prisoners. If bags are unavailable, material will be placed together on person of prisoner and the escort directed to notify Division F cage of notice taken.

5. **MAPS AND PHOTOGRAPHY**

   a. **Maps:** Distribution completed in accordance with instructions issued by XVIII Corps (Airborne).

6. **COUNTER-INTelligence**

   a. See G-2 Operational Memorandum No. 1, this Headquarters, 4 April 1944, and G-2 Operational Memorandum No. 20, this Headquarters, 18 May 1944.

   b. **Counter-Intelligence** to be observed to maximum degree compatible with operations.

7. **INFORMATION REPORTS**

   a. The following information, subject to indicated, already distributed to units of this Division.

      (1) Enemy defenses - Arnhem, Zinks, Hoven, Valkenswaard,

      (2) Airfields,

      (3) Weather,

      (4) Study of Terrain,

      (5) Evaluation - Inundations,

      (6) Cities,

      (7) Bridge details,

      (8) Road details,

      (9) Dams,

      (10) Waterways,

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8. REPORTS AND DISTRIBUTION. Use 1/25,000 scale map.

a. Routine:
   (1) Situation reports from all combat units every hour on the half hour.
   (2) 5-2 Periodic Reports to reach 0-2 by 2200 daily.
   (3) PT Interrogation Team reports as of 2300 to reach 0-2 prior to 2200 daily.
   (4) CIC Detachment report as of 2300, giving summary of activities and plans for following day’s activities to 0-2 prior to 2200.
   (5) At the close of the operation, reports as required by AR 345-105, Change 3, par. 10, and FM 101-5, par. 12, as pertains to Intelligence will be rendered by all units to 0-2.

b. Special Duties:
   (1) Information of immediate value will be transmitted as obtained.

OFFICERS:

Sub-Annexes:

Annex 1 a. - Order of Battle
Annex 1 b. - Enemy Defenses (local)
Annex 1 c. - Reconnaissance by Units
### Operation Market Garden Paragraph One OPORD

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**Activity: “Plans are Worthless, but Planning is Everything” | OPORD Intelligence 21**

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**MARKET**

Annex No. 1 b
In 5 Pages
Page No. 1.

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Map:
HOLLAND, 1/25,000, SSSS 4447, Sheets 18 Ww, 26 S, 26 SW, 26 NW, 26 NE, 11 SE.

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**Photo Coverage:**

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<td>44535</td>
<td>HP AA 5 gun unoccupied btry</td>
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<td>44416</td>
<td>3 Probable Lt. 6A mounted on corner of castle</td>
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<tr>
<td>417190</td>
<td>8 Lt AA on roofs of buildings in built up area</td>
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<tr>
<td>53282</td>
<td>HP AA btry 6 guns with shelters nearby</td>
</tr>
<tr>
<td>73417</td>
<td>AA 60 btry</td>
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<tr>
<td>45117b</td>
<td>Lt AA, 4 open positions</td>
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<td>561146</td>
<td>3 Lt AA and 8 HP AA guns. HP btry in circular pattern, emplacements measure 250' diameter. Unoccupied. Area also contains fox-holes, shelter trenches, same huts and revetments.</td>
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<td>Lt AA 3 guns, unoccupied</td>
</tr>
<tr>
<td>711141</td>
<td>Lt 6 AA 6 guns, unoccupied. 2 searchlight emplacements, unoccupied</td>
</tr>
</tbody>
</table>

---

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Authority 090735-17

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Operation Market Garden Paragraph One OPORD

National Archives and Records Administration

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2. **ART-ARMOURED ANTILEGGING (Cont'd.)**

<table>
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<th>Item</th>
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<tbody>
<tr>
<td>372204</td>
<td>Lt 44 3 gun, uncoupled</td>
<td></td>
</tr>
<tr>
<td>368613</td>
<td>Lt 4A 3 gun emplacement, uncoupled</td>
<td></td>
</tr>
<tr>
<td>379937</td>
<td>Lt 4A 3 gun emplacement, uncoupled</td>
<td></td>
</tr>
</tbody>
</table>

3. **Bridges Into Louvain**

- **411174**
  - Bridge (not shown on 1/25,000 maps). 411174
    - 50' wide, 25' long.
  - Bridge: 50' wide, 20' long, concrete structure.
- **408160**
  - Bridge: 50' wide, 20' long, concrete structure.
- **409162**
  - Bridge: Has been blown and reconstructed; 180' long, 20' wide.
- **392219**
  - Bridge: 150' long; over 50' water gap.
- **395228**
  - Bridge: 180' long, 40' wide, 60' water gap; steel frame superstructure.
- **372227**
  - No bridge. Map (1/25,000) shows bridge.

- **382004**
  - Railroad bridge, steel, 150' long, 40' wide, 80' water gap.

- **398221**
  - Bridge: Concrete, approximately 200' long, 50' wide, with small deck joining bridge to B.

- **397200**
  - Bridge: Concrete, single span, approximately 170' long, 15' wide.

- **317753**
  - Bridge: Concrete, single span, approximately 150' long, 15' wide.

- **305060**
  - Railroad bridge; steel, box type, six spans, 150' long, 10' wide.

- **296612**
  - Bridge: Concrete and steel (redundant superstructure), 4 spans, approximately 1600' long, 50' wide.

- **301511**
  - Bridge: Concrete, single span, approximately 700' long, 50' wide.

- **400175**
  - Bridge: Single span.

- **50110**
  - Bridge: Masonry, approximately 200' long, 20' wide, width of stream 121'.

- **502123**
  - Bridge: Masonry, approximately 200' long, 20' wide, width of stream 121'.

- **504118**
  - Bridge: Masonry, approximately 200' long, 20' wide, width of stream 121'.

- **509149**
  - Bridge: Masonry, 20' long, 12' wide, width of stream 10'.

- **511121**
  - Bridge: Masonry, 80' long, 12' wide, width of stream 10'.

- **451175**
  - Bridge: Probably concrete, approx 70' long, 14' wide, Stream width 50'.

- **439178**
  - Bridge: Elevator type, 60' x 60', stream width 60'.

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Authority 6Mar75 by 75517
### Operation Market Garden Paragraph One OPORD

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<table>
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<th>Item</th>
<th>Photo No.</th>
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<tr>
<td>463202</td>
<td>Bridge, concrete, 55' long, 12' wide, width of stream 15'</td>
<td>4065</td>
</tr>
<tr>
<td>438254</td>
<td>Bridge, concrete, approx 20' wide, 150' long, width of stream 15'</td>
<td>4071</td>
</tr>
<tr>
<td>418319</td>
<td>Bridge probably wooden, approx 60' long, 8' wide, width of stream 40'</td>
<td>4079</td>
</tr>
<tr>
<td>433322</td>
<td>Bridge probably wooden, approx 60' long, 10' wide, width of stream 20'</td>
<td>4079</td>
</tr>
<tr>
<td>494302</td>
<td>Bridge probably wooden, approx 60' long, 10' wide, approx 40' across stream</td>
<td>4079</td>
</tr>
<tr>
<td>496279</td>
<td>Bridge, concrete, approx 30' wide, width of stream 25'</td>
<td>3024</td>
</tr>
<tr>
<td>470688</td>
<td>Bridge, concrete, approx 80' long, 12' wide</td>
<td>3026</td>
</tr>
<tr>
<td>462797</td>
<td>Bridge: approx 80' long and 10' wide; has steel center support</td>
<td>3026</td>
</tr>
<tr>
<td>475384</td>
<td>Bridge: approx 70' long and 50' wide probably steel</td>
<td>3026</td>
</tr>
<tr>
<td>479376</td>
<td>Bridge: approx 60' long, 15' wide, probably concrete</td>
<td>3026</td>
</tr>
<tr>
<td>461301</td>
<td>Bridge: approx 60' long, 8' wide</td>
<td>3026</td>
</tr>
<tr>
<td>467136</td>
<td>Bridge: approx 15' long, 10' wide</td>
<td>3027</td>
</tr>
<tr>
<td>537188</td>
<td>Bridge: concrete, approx 100' long, stream width 70', width of approach roads 15'</td>
<td>4003</td>
</tr>
<tr>
<td>532189</td>
<td>Bridge: concrete, 200' long, 50' wide, width of stream 60'. Banks gradually slant. Approach roads 30' wide and are paved concrete</td>
<td>4003</td>
</tr>
<tr>
<td>531280</td>
<td>Bridge: concrete, two span, 190' long and 120' wide, width of stream 90', roads of approach 220' wide</td>
<td>4012</td>
</tr>
<tr>
<td>499340</td>
<td>Bridge, concrete, approx 80' long, 20' wide</td>
<td>4022</td>
</tr>
<tr>
<td>504243</td>
<td>Bridge, approx 80' long, 15' wide</td>
<td>4022</td>
</tr>
<tr>
<td>505403</td>
<td>Bridge, approx 70' long, 10' wide</td>
<td>4022</td>
</tr>
<tr>
<td>465142</td>
<td>Bridge, approx 50' long, 10' wide</td>
<td>4029</td>
</tr>
<tr>
<td>465143</td>
<td>Bridge, approx 30' long, 10' wide</td>
<td>4029</td>
</tr>
<tr>
<td>280161</td>
<td>Bridge: concrete, single span, 110' long, 50' wide</td>
<td>4173</td>
</tr>
<tr>
<td>271112</td>
<td>Bridge: railroad, steel, 50 spans, length 2050', width 10'</td>
<td>4173</td>
</tr>
<tr>
<td>335512</td>
<td>Bridge: concrete, single span, 190' long, 15' wide</td>
<td>4175</td>
</tr>
<tr>
<td>435545</td>
<td>Bridge: concrete, 100' long, 18' wide, 120' width of canal, approach roads 20' wide</td>
<td>4294</td>
</tr>
<tr>
<td>483366</td>
<td>Bridge: concrete, 80' long, 15' wide</td>
<td>4025</td>
</tr>
<tr>
<td>299542</td>
<td>Bridge: sluice gate type, 100' long, 10' wide</td>
<td>3165</td>
</tr>
<tr>
<td>455255</td>
<td>Bridge: concrete, 100' long</td>
<td>3048</td>
</tr>
<tr>
<td>455248</td>
<td>Bridge: concrete, 35' long, 10' wide</td>
<td>3048</td>
</tr>
</tbody>
</table>
Operation Market Garden Paragraph One OPORD

National Archives and Records Administration
### Operation Market Garden Paragraph One OPORD

**National Archives and Records Administration**

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<th>Coordinates</th>
<th>Item</th>
<th>Photo No.</th>
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<tr>
<td>35295</td>
<td>9 airplane revetments measuring about 100' x 130'</td>
<td>3001</td>
</tr>
<tr>
<td>550477</td>
<td>Military activity, nature unknown</td>
<td>4086-4285</td>
</tr>
<tr>
<td>339618</td>
<td>Work activity in wooded area. Evidence of fresh spoil around possible emplacements</td>
<td>3288-3289</td>
</tr>
<tr>
<td>557148</td>
<td>Work activity in wooded area</td>
<td>3286-3285</td>
</tr>
<tr>
<td>508305</td>
<td>Possible camouflaged ammunition or supply dump in wooded area</td>
<td>3291</td>
</tr>
<tr>
<td>283235</td>
<td>Military activity</td>
<td>4176</td>
</tr>
<tr>
<td>379139</td>
<td>Airfield probably rendered unusable from heavy bombing attacks. Large craters dot landing strips</td>
<td></td>
</tr>
</tbody>
</table>

*Note: Some installations will not appear on overlay as they are out of immediate area.*

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**DEPARTMENT OF DEFENSE**

**REMARK**

Annex 1 b

In 5 Pages

Page No. 5

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OPORD Mission

Operation Neptune Paragraph Two OPORD

Glossary:

- J-Hour - When the paratroopers began jumping into France
- Attachments - Other units that are temporarily assigned to the 101st in order to help the 101st accomplish its mission.
- Drop and Landing Zones - Annexes are not available because of size and brittle nature of original documents
- 65th Armd FA Bn - 65th Armored Field Artillery Battalion. These are artillery (cannons) that are mounted on tracked vehicles
- QM Trk Co - Quartermaster Truck Company. This is a unit of cargo trucks that are used to transport men and cargo.
- A Brty 474th AA AW Bn - This is an anti-aircraft gun battery (about six anti-aircraft guns to protect against air attack.
Operation Neptune Paragraph Two OPORD

National Archives and Records Administration
Activity: “Plans are Worthless, but Planning is Everything” | OPORD Mission 3

Operation Neptune Paragraph Two OPORD

National Archives and Records Administration

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1. The 3rd BN, 501st Pict Inf., landing on Drop Zone “U”, will assemble in Division reserve prepared to mark and protect glider landing zone “U”.

2. The glider troops, following landing, will assemble in vicinity of landing zones indicated in Annex No. 3b (2) and await orders. Battery “C”, 81st AA BN, will be prepared for attachment to the 50th Pict Inf. The accompanying General, Division Artillery, as charged with arrangements for receiving the glider echelon. For details of glider pilots see Annex No. 7.

3. Seabeach Echelon (See Annex No. 8, “Beach Table”).

4. Seabees elements, upon landing, will assemble in vicinity of Division Command Point. The assistant Division Commander is charged with arrangements for receiving and directing the Seabees elements of the Division.

5. Batteries “E”, “F”, and “G”, 81st AA BN are initially attached to the 8th AA Group for the antiaircraft defense of 8th BEACH.

6. The batteries will revert to Division control upon arrival of their transportation on D plus 1.

7. The 61st AA BN (SP), initially attached to the 8th AA Group, will revert to Division control upon arrival of their transportation on D plus 1.

8. The 11th AA Group (SP) will be charged with furnishing general artillery support from beach positions.

9. G-3 reports will be submitted to reach this Headquarters at 2000 daily by Inf Regiments, Div arty, 81st AA BN, 320th AA BN, and separated companies.

10. For interpretation of enemy communications installations see Annex No. 9b.

---

5. G-3

a. See Annex No. 6a and 6b, Signal.

ii. (1) Signal Operations Instructions (Reference) Index 1-1 will become effective at 2000.

iii. Signal Operations Instructions (Signal) Index 1-1 will become effective at 2000.

---


a. For Seabees elements will break Radio Silence upon landing.

b. As H minus 60 hr after, Radio Silence may be relaxed by Chaplains of Seabees ashore within approximately twelve (12) miles seaward of beach, unless otherwise prohibited.

c. 3. 11th AA Group.

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7. Communications + Command, also see annex

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Operation Neptune Paragraph Two OPORD

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Activity: “Plans are Worthless, but Planning is Everything” | OPORD Mission

**OPORD Mission**

**Operation Market Garden Paragraph Two OPORD**

**Glossary:**

- D-Day is the day the operation starts.
- D+1 is one day after D-Day (looks like D / with a - thru it, typewriters did not have a plus sign on them).
- A/C is aircraft
- CG4A is a Waco Glider that could carry up to 13 troops or a jeep or small cannon.
Activity: “Plans are Worthless, but Planning is Everything” | OPORD Mission 7

Operation Market Garden Paragraph Two OPORD

National Archives and Records Administration
Operation Market Garden Paragraph Two OPORD

National Archives and Records Administration

Activity: “Plans are Worthless, but Planning is Everything” | OPORD Mission 8
Operation Market Garden Paragraph Two OPORD

National Archives and Records Administration
OPORD Operations

Operation Neptune Paragraph Three OPORD

Glossary:

- Parachute Echelon - Paratroopers who jumped into France
- Glider Echelon - Troops brought into France via gliders
- Seaborne Echelon - Not all the 101st parachuted into France. Many of the support troops came in over the beaches from ships.
- Enemy Battery - German artillery pieces (like the Band of Brothers episode concerning the landing and early fight in Normandy).
- Inundated - Flooded areas
- 6 digit #s - 365872 are grid coordinates of a specific place within 100 meters. This system was used before GPS.
- S-3 or G-3 - The Operations Staff Section of an army unit
- 81st AB AA - Airborne Anti-Aircraft Battalion of anti-aircraft guns
- AAA - Anti-Aircraft Artillery - anti-aircraft guns
- 65th Armd FA Bn SP - 65th Armored Field Artillery Battalion (Self Propelled). These are artillery (cannons) that are mounted on tracked vehicles.
- Leggings impregnated - Leggings are laced up boot gaiters between your boots and pants. The leggings were impregnated with an anti-chemical compound in case the Germans used poison gas against the invasion forces.
Activity: “Plans are Worthless, but Planning is Everything” | OPORD Operations 2

Operation Neptune Paragraph Three OPORD

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Operation Neptune Paragraph Three OPORD

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Activity: “Plans are Worthless, but Planning is Everything” | OPORD Operations 7

Operation Neptune Paragraph Three OPORD

National Archives and Records Administration

HEADQUARTERS 101ST AIRBORNE DIVISION
Office of the Division Commander

APO 472, U. S. Army
27 May 1944

TO FIELD ORDER 1

1. Field Order No. 1, this Headquarters, dated 18 May 1944, is amended as follows:

a. Paragraph No. 1b: Add, Subparagraph (2). The 82nd Airborne Division landing in the area, STE MERE EGLISE, PONT L’ABBES (269926), COURVILLEUX (269928), will destroy the crossings of the DUOVE RIVER at LAUVILLE-LE-BASTILLER (109190) and at PONT L’ABBES (269928). It will then push westward and seize road centers of ST. SAVOUR LE VIGNEUX.

b. Paragraph 3a (1). Change second sentence to read: “It will protect the north flank of Division within the regimental sector in close coordination with the 82nd Airborne Division.”

Paragraph 3a (2). Change to read: The 506th Parachute Infantry with 1st Platoon, Co "C" 326th AB Regt attached; landing on Drop Zones "U" and "V" will execute the following missions.

   a. No change.
   b. Change to read: Defend the line of the DUOVE RIVER and estuary within the regimental sector. Secure the bridges at A26873 and A27876 and establish bridgehead south of the DUOVE RIVER for subsequent use of the Division. These bridges will be prepared for demolition. See Annex No. 3.

   (3). Change to read: The 501st Parachute Infantry (less 1st Platoon) with Co. "C" 326th AB Regt attached, landing on Drop Zone "U" will defend the line of the DUOVE and MENDEMB DIVE within the regimental sector. The bridges north of CARISBERGH at 369879, 368865 and 369862 will be destroyed; the locks at 397868 will be seized and defended.

   (4). Change to read: The 3rd Platoon, 501st Parachute Infantry landing on Drop Zone “C" will assemble in Division Reserve prepared to protect glider landing zone “K”.

c. Change paragraph 5b to read:

   82nd Airborne Division --- To be announced.
   501st Parachute Infantry --- Annex No. 3 (Amend. 1)

   d. Change Annex No. 2 as follows: Drop zones for Cables 8 and 9 from "B" to "P".

   e. Annex No. 3 is replaced and will be replaced by Amendment No. 1 to Annex No. 3, attached.

   f. Amendment to Annex No. 1 attached.

   g. Amendment to Annex No. 5 attached.

TAYLOR

OFFICIAL:

MILLER

C-3

Page 1 of 1 Pages

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Operation Neptune Paragraph Three OPORD

National Archives and Records Administration

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AMENDMENT NO. 1 TO ANNEX NO. 5

TO FIELD ORDER NO. 1, 18 MAY 44

1. Amend Paragraph 2a (1), Delete "ST. SAUVEUR LE VICOMTE exclusive", Substitute "CARQUDETTE inclusive".

2. Delete Paragraph 2a (2).

3. Amend Paragraph 2b (1), Delete "and 3rd".

4. Amend Paragraph 2b (3), Delete "and 3rd".

5. Amend Paragraph 3a as follows:

   a. Delete (1), (3), (4), and (5).
   b. Amend (2) to read "Prepare to destroy" instead of "Destroy". Add: "Decision to blow these bridges is delegated to Commanding Officer, 356th Parachute Infantry." 
   c. Amend (5) by deleting "and 40091 (Serial D)" and adding "and 443672 (Serial 4)."

6. Amend Paragraph 3b as follows:

   a. Delete (1), (2), (3), and (4).
   b. Add: (1). Destroy the crossing of the River DOUR at 383863; priority Serials 32, 33, 34 in that order.
   c. Add: (2). Destroy railroad bridges at 363972 (Serial 30) and 379853 (Serial 19) in the order of priority given.
   d. Add: (3). Operate and control the locks at LOBREQUIN after seizure (Serial 35) and mine the approaches to the dam from the south between the River DOUR and the River DOUBR. A high proportion of AP mines should be used.
   e. Add: (4). Prepare to destroy communications at GARETAIN.
   f. Add: (5). Disrupt enemy underground wire communications system in the vicinity of 40091 (Serial D).

7. For new regimental boundaries, See Annex No. 3, Operation overlay.

TAYLOR

OFFICIAL:

Millen

0-3

TOP SECRET
NO NIGHT

Page 1 of 1 Pages
Operation Neptune Paragraph Three OPORD

National Archives and Records Administration

1. Force A - Immediately upon landing at Inland Assembly Area, (0 and B).
   a. The Senior 101st A/B Division Officer will dispatch a Liaison Officer to 101st Division Beach Control Post to report to the Division Beach Control Officer at Beach Control Post.
   b. Report Unit Strength, Type, and Vehicle and Radio Call Signs.
   c. Receive instructions and orders and conduct unit to Beach Assembly Area.

2. Immediate Check Point. Each ship will check for further instructions at this point. (See Overlay).
   a. Route of movement to Service Area will be given to Liaison Officer at Beach Control Post.
   b. Route of movement to Service Area will be given to Division Beach Control Officer.

3. Guides - All 101st A/B Division Beach Control Personnel can be identified by Orange arm band marked with White "(10)."
   a. Route of movement to Service Area will be given to Division Beach Control Officer.
   b. Route of movement to Service Area will be given to Division Beach Control Officer.

4. Route of movement to Service Area will be given to Division Beach Control Officer.
   a. Route of movement to Service Area will be given to Division Beach Control Officer.
   b. Route of movement to Service Area will be given to Division Beach Control Officer.

5. Radio Frequencies and Call Signs - See 101st A/B Division OGD

6. Preparation of Inland Assembly Area - Elements of the Beach Control Group will be called the mission of preparing the Inland Assembly Area prior to the arrival of the airborne elements.
   a. Preparation will consist of:
      (1) Mine removal.
      (2) Posting of guides to receive units from the Beach Assembly Area.
      (3) Providing protection for the Inland Assembly Area.
      (4) Providing guides for any incoming unit receiving an immediate combat mission on its arrival at the Inland Assembly Area.
      (5) Providing Reconnaissance patrols to reconnoiter routes to the Beach Assembly Area.
   b. The Commanding Officer, 1st Bn 401st Glider Infantry, will be prepared to perform the functions indicated in 6, a (1), (2), (3), (4), and (5) above should glider elements be unable to do so.

7. Collect - Clearing Stations to be operated on the beach by the 201st Engineer Battalion, 1st Special Engineer Brigade will be established.

8. Preparation of Service Area - Elements of Beach Control Group will have the mission of preparing the Service Area prior to the arrival of airborne elements moving to that area.

TAYLOR

OFFICIAL:

MILLER
0-4

(Initials)
OPORD Operations

Operation Market Garden Paragraph Three OPORD

Glossary:

- 6 digit #s - 482375 are grid coordinates of a specific place within 100 meters. This system was used before GPS.
- Mines - land mines
- LINNET - is an operation that was cancelled in August when Allied forces moved so quickly across France that the Linnet was overcome by events.
- S-3 or G-3 is the Operations Staff Section of an army unit.
Operation Market Garden Paragraph Three OPORD
National Archives and Records Administration

Activity: “Plans are Worthless, but Planning is Everything” | OPORD Operations 11
Activity: “Plans are Worthless, but Planning is Everything” | OPORD Operations

Operation Market Garden Paragraph Three OPORD

National Archives and Records Administration

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OF SGNPT - KNIGHT

12 September 1944, cont’d

(4) The glider element of D-Day lift will land on 1200 and move to areas as shown in Annex No. 2a (Glider assembly plan). The Division Reconnaissance Platoon, less detachment, will be prepared to push reconnaissance toward SAILHAM (46936) - BSST (378265) and LIKENOUT (512790).

B. D 1 and D 2 day lifts: Units of these lifts will land on glider landing zone as shown in Annex No. 2. They will assemble as shown in Annex No. 2a and await orders.

3. (1) The bridges in the VENLee (469375) and ESN (443953) areas will be secured with maximum speed immediately upon landing by the responsible parachute regiments. The next conveniently placed small group will rush these bridges without waiting for the assembly of larger elements.

(2) All bridges and signal communications in the area will be preserved for the use of our own troops.

(3) The Division Artillery Commander is responsible for calling for support from British artillery and combat aviation.

(4) The 522nd Parachute Infantry Regiment is charged with securing IS 75 for the D-Day glider lift.

(5) Colonel Thomas Sharman of Division Artillery, is charged with the reception of glider elements upon landing zone IS 75.

(6) All tanks and water ways in the area will be maintained in working order.

(7) All ferries, barges, etc., not actually in use by the Division will be brought to the south bank of streams to make them available for 3RD Corps if required.

(8) Roads will be kept free of troops and vehicles of the Division after ground combat is made to permit the rapid transit of 3RD Corps.

(9) Employment of glider pilots will be the same as for operation “LINNET.”

(10) Mines will be laid only under Engineer supervision and will be carefully removed. Our own and enemy mine fields will be reported at once to Division.

4. Administrative order same as for “LINNET.”

b. Gas masks will be carried.

g. Signal annex (Annex No. 4).

h. Tentative Command Posts

1. Command

62nd Airborne Division

Division and Division Artillery

504th Parachute Infantry Regiment

505th Parachute Infantry Regiment

508th Parachute Infantry Regiment

502d Glider Infantry Regiment

2.8. All orange or yellow flags, panels, or smoke will be used to identify friendly troops.

For the Commanding General:

10.3. LINNET

Lt. Gen. ELLIOTT

Lieutenant Colonel, OSS, Staff

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Authority NRO 73-687
Activity: “Plans are Worthless, but Planning is Everything” | OPORD Operations 13

Operation Market Garden Paragraph Three OPORD

National Archives and Records Administration
OPORD Administration and Logistics

Operation Neptune Paragraph Four OPORD

Glossary:

- Class I - Food and water
- K rations - Condensed field ration, like power bars
- D rations - Also a meal for the field, but a little more substantial - like Meals Ready to Eat (MREs) in today’s military forces
- Class II - General supplies, batteries, housekeeping material, tents, etc.
- Class III - Fuel
- Class V - Ammunition
- Halazone Tablets - Water purification tablets (yuck!)
- Provost Marshal - Military police
- Blackout lights - Very dim markers used on military vehicles at night to avoid enemy detection.
- Serial (i.e. glider serial etc.) - A group of vehicles and/or aircraft organized to transport troops and/or cargo. Serial One is the first group of several groups that are transporting troops/equipment to their new destination.
Operation Neptune Paragraph Four OPORD

National Archives and Records Administration
Activity: “Plans are Worthless, but Planning is Everything” | OPORD Administration and Logistics

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Page 30, 3 of 4 pages.
Activity: “Plans are Worthless, but Planning is Everything” | OPORD Administration and Logistics

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**Operation Neptune Paragraph Four OPORD**

National Archives and Records Administration

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1. Prior to embarkation:

   a. Each organization will be supplied and equipped prior to embarkation in accordance with OP-4, Administrative Instructions Preliminary to Embarkation, which has been issued to each organization.

   b. **Class A**:

      1. **(1)** Each organization will be supplied and equipped prior to embarkation in accordance with OP-4, Administrative Instructions Preliminary to Embarkation, which has been issued to each organization.

      2. **(2)** All organizations, besides, will carry one (1) type ration per personnel in stores and billets.

      3. **(3)** All organizations, besides, will carry three (3) type rations per personnel transported by air.

   c. **Class C**: Quartermaster Truck Company (established) will carry two (2) type ration per personnel transported by air.

   d. **Class D**: Quartermaster will establish Class D dump within Division Service Area from which units will draw rations.

   e. Daily strength reports will be submitted by organizations, which will be basis for following day's issue of rations.

2. **Class II**:

   a. **(1)** The 3601st Quartermaster Truck Company will transport the following loads:

      1. **(a)** One (1) truck medical supplies.

      2. **(b)** Two (2) tank gun motor supplies.

3. **Class III**:

   a. **(1)** All gasoline trucks will be filled, and vehicles properly lubricated prior to departure from marshalling area.

   b. **(2)** Division quartermaster will establish Class III dump within Division Service Area.

4. **Class IV**:

   a. **(1)** Organizations will deliver empty cases to Division dump.

   b. **(2)** Each organization will carry its full tonload of ammunition.

   c. Additional ammunition will be loaded in planes by units concerned as follows:

      1. **(a)** Three (3) planes, 40th Battalion 306th Parachute Infantry.
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(b) Eight (8) planes, 377th Parachute Field Artillery Battalion.
(c) Four (4) planes, 301st Parachute Infantry Regiment.
(2) The 3807th Quartermaster Truck Company will carry ninety-five (95) tons of ammunition as prescribed by the Division Ammunition Officer.
(4) Extra aerial delivery container racks will be used by unit commanders to carry extra ammunition. Maximum number of racks will be utilized.
(5) Division Ammunition Officer will establish Class V dump within Division Service Area from which units will draw ammunition.
(6) Ammunition expenditure reports will be submitted daily as of 0600 hours and will be delivered by 0900 hours to Division Ammunition Officer in Division Service Area.

K. Water,

(1) Containers will be filled prior to departure from Marshalling areas.
(2) All individuals will carry one (1) bottle of jumabone tablets containing one hundred (100) tablets each. Water is to be considered unpotable until treated.
(3) All 2-ton trucks, airborne, will carry ten (10) empty vinyl water containers, and one (1) full 5-gallon can.
(4) All 2-ton trucks, seaborne, will carry four (4) full 5-gallon cans or ten (10) empty vinyl water containers.

L. Resupply by air:

(1) One (1) day of Class I, III, V, Medical, and certain Class II Signal Supplies have been prestocked at resupply departure airfields. Supplies are available on call of the division.

2.划算.
   a. Supplies:

   (1) Initially, the 565th Airborne Medical Company will set up collecting posts at drop zones.
   (2) On landing of glider echelon, detachments 304th Airborne Medical Company will augment the Parachute Sections.
   (3) 565th Airborne Medical Company (less detachments) on arrival on D day by men will set up Clearing Station in Division Service Area.

b. Burial:

   (1) See Operational Memorandum number 7 this Headquarters, dated 20 April 1944.
   (2) Detachment 603rd Quartermaster Graves Registration Company at Division Cemetery for identification and registration.
   (3) Location 101st Airborne Division Cemetery 369397.

   (4) The first engineer special brigade will establish temporary cemeteries within their area for the burial of casualties in the beach area. The first engineer special brigade will be responsible for burials in the beach maintenance area.

T-0-P B-VQ-0-45 D-1-0-4-T

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... (text继续)
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departure, surplus baggage left at marshalling areas will be handled by
the Division Rear echelon.

d. Mail service will be suspended from final briefing until 0600 hours
after 3 mile service will be continued as prescribed in Operational
Oders 2; this Headquarters, dated 4 April 1944.

d. Echelon - see G-1 Administrative Instructions, this Headquarters,
dated 17 May 1944.

e. Strength Reports.

1. G-1 (G-1) Periodic Report will be submitted as prescribed in
G-1 Administrative Instructions, this Headquarters, dated 17 May 1944.

2. Combat Effective Strength Report will be submitted daily,
beginning 0700 hours the previous day to reach the Command
Echelon of the Division Command Post by 0900 hours.

f. Replacements - see G-1 Administrative Instructions, this Headquarters,
dated 17 May 1944.

5. MISCELLANEOUS.

a. Rear echelon - Greenham Lodge.

b. Items of equipment lost in combat will be reported to
Division Operations Officer.

c. Items of equipment lost in combat - see G-1 Administrative Instructions, this Headquarters,
dated 17 May 1944.

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Nichols

Taylor

ESKIL

G-1

1. Inclusions:

Annex No. 1, Circulation and Administrative Instructions overlay

T-S-S-SC-R-100-F
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| Activity: “Plans are Worthless, but Planning is Everything” | OPORD Administration and Logistics |

---

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Location</th>
<th>Mission</th>
<th>Tasks</th>
<th>Resources</th>
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<tr>
<td>24-25 June 1944</td>
<td>0600</td>
<td>Omaha Beach</td>
<td>Support D-Day</td>
<td>Landings, nightly operations, 24 June 1944</td>
<td></td>
</tr>
</tbody>
</table>

- Landings
- Nightly operations
- Support D-Day

**Notes:**
- Landings are set for 0600 hours.
- Nightly operations will commence at 2200 hours.
- Support D-Day is crucial for the success of the mission.

---

<table>
<thead>
<tr>
<th>Task</th>
<th>Description</th>
</tr>
</thead>
</table>
| 1 | Prepare landing zones
| 2 | Coordinate naval support
| 3 | Ensure air cover

---

**Resources Available:**
- Air support
- Naval vessels
- Troops

---

**Key Points:**
- The mission is critical for the success of Operation Neptune.
- Coordination between landings and nightly operations is essential.
- Support D-Day will be provided by air cover and naval vessels.

---

**Action Items:**
- Prepare landing zones by 0400 hours.
- Coordinate naval support with the fleet commander.
- Ensure air cover is maintained throughout the operation.

---

** Furious opord ref: 04/30/46**

*For further details and updates, refer to the Operation Neptune OPORD dated 04/30/46.*
**Operation Neptune Paragraph Four OPORD**

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<table>
<thead>
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<th>Paragraph</th>
<th>Page 3 of 9 Pages</th>
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<tr>
<td>Operation Neptune</td>
<td>Paragraph Four OPORD</td>
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Copy No. 126

HEADQUARTERS 101ST AIRBORNE DIVISION
Office of the Division Commander

AMENDMENT NO. 1 to ANNEX NO. 2)
TO FIELD ORDER NO. 1)

1. Annex No. 2 to Field Order No. 1, Headquarters
101st Airborne Division dated 18 May 1944 is changed as follows:
Delete the GLIDER SERIAL (Page 3 of 3 Pages) and substitute the
attached glider serials.
### Operation Neptune Paragraph Four OPORD

**National Archives and Records Administration**

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<table>
<thead>
<tr>
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<th>Details</th>
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</table>

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NOTE: For Location of Serial Numbers designated in this plan, see Engineer Operation Overlays (Enclosures 34 and 35).

3. PURPOSE

a. This plan describes the important engineer work within the 10th Airborne Division area.

b. Responsibility for taking over critical points on definite routes of communications to prevent the destruction and facilitate the initial movement of friendly troops as specifically allocated to units commanders in whose area they are located, is also the destruction of specific routes to prevent passage of the enemy into the division area from the South.

2. PLAN

a. To do such engineer work as is necessary to prevent the movement of enemy troops across the River Douve and its tributaries from the South between St. Sauveur le Vicomte exclusive and the mouth of the Orne at Port-en-Bessin, inclusive.

b. To assist the advance of our troops along the Chef du Pont-Yvesville-St. Sauveur Le Vicomte road.

c. To disrupt the enemy’s underground wire communications system wherever practicable. Disruption will be accomplished by disconnection at terminals and not by destruction. The location of all breaks will be reported to Division Headquarters without delay. (See Encl. 20).

d. Troops available to do specialized engineer work in the sectors designated are as follows:

(1) 2nd, 3rd and 4th Platoons,

(a) 206th AB Engineer BN., less 1st and 3rd platoons.

(b) 2nd area: Demolition platoon, 501st.

(c) 3rd area: Demolition platoon, 502d.

(2) 306th Area

(a) 1st and 3rd Platoons, Co C, 306th AB Engineer BN.

(b) Demolition platoon, 306th.

(3) 506th Area

(a) Troops available to carry out Division Operations on call, on a priority basis by taking over engineer work within the Division area.

(4) Not contemplated that Corps Engineers will be operating within the Division area.

3. ENGINEERING WORK IN ADDITIONAL AREA:

a. SOUTH AREA

(1) Destroy the crossing of the River by priority Serial No., 52, 55, 34, in that order.

(2) Destroy the two bridges (Serials 35 and 38) at Le Monde. Priority, Serial 37, Serial 36, Serial 39.

(3) Destroy railroad bridges at 360872 (Serial 20) and 370853 (Serial 21) in the order of priority given.

(4) Operate and control the locks at La Barquette after assuring Serial 32), and open the approach to the dam from the south between the River Gouart and the River Douve. A high proportion of AP mines should be used.

(5) Disrupt enemy underground wire communication system in the vicinity of 42694 (Serial 10), 427331 (Serial 15), and 428992 (Serial 16).

(a) Prepare to destroy the bridge and guns near BAVILLON (Serials 17 and 18).

(b) Prepare to destroy communications at near CAVENTAIN.

(c) Prepare to destroy communications at near BARBOTINE.

(d) Prepare to destroy communications at near CASSETAIN.

Page No. 1 of 2 pages

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2 Inclosures, Attached
IA - Operation Overlay
JB - Wire Communications

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Glossary:

- Class I - Food and water
- K rations - Condensed field ration, like power bars
- D rations - also a meal for the field, but a little more substantial - like Meals Ready to Eat (MREs) into today’s military forces.
- Class II - General supplies, batteries, housekeeping material, tents, etc.
- Class III - Fuel
- Class V - Ammunition
- Halazone Tablets - Water purification tablets (yuck!)
- Provost Marshal - Military police
- Blackout lights - Very dim markers used on military vehicles at night to avoid enemy detection.
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Operation Market Garden Paragraph Four OPORD

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Page 11, HQ 101 Air Div, dated 11 September 1944, cont'd

(a) The glider element of D-Day lift will land on LZ "B" and move to areas shown in Annex No. 2a (Glider Assembly Plan). The Division Reconnaissance Platoon, less detachment, will be prepared to push reconnaissance toward SCHIJNFELD (406321) — EEST (376456) and LIECHTENBURG (512470).

(b) D + 1 and D + 2 day lifts: Units of these lifts will land on glider landing zone "C" as shown in Annex No. 2a. They will assemble as shown on Annex No. 2a and await orders.

(c) The bridges in the VHL (465376) and ZUU (443223) area will be crossed with utmost speed immediately upon landing by the responsible parachute regiments. The most conveniently placed small group will rush these bridges without wasting for the assembly of large elements.

(d) All bridges and signal communications in the area will be preserved for the use of our own troops.

(e) The Division Artillery Commander is responsible for calls for support from British artillery and combat aviation.

(f) The 502nd Parachute Regiment is charged with securing LZ "B" for the D-Day glider lift.

(g) Colonel Thomas Sherburne, Division artillery, is charged with the reception of glider elements upon landing zone "A".

(h) All roads and water ways in the area will be maintained in working order.

(i) All ferries, barges, etc., not actually in use by the Division will be brought to the south bank of streams to make them available for XXX Corps if required.

(j) Roads will be kept free of troops and vehicles of the Division after ground combat is over to permit the rapid transit of XXX Corps.

(k) Employment of glider pilots will be the same as for operation "LINNET".

(l) Mines will be laid only under Engineer supervision and will be carefully removed. Our own and enemy mine fields will be reported at once to Division.

4. Administrative order mine as for "LINNET".

5. Gas masks will be carried.

6. Signal annex (Annex No. 4)

7. Tentative Command Posts

8. Coordination

(a) 82nd Airborne Division

(b) 101st Airborne Division Artillery

(c) 504th Parachute Infantry Regiment

(d) 505th Parachute Infantry Regiment

(e) 506th Parachute Infantry Regiment

(f) 507th Glider Infantry Regiment

9. Oranges or yellow flags, pencils, or paint will be used to identify friendly troops.

For the Commanding General:

R. D. H. Milner

Lieutenant Colonel, USG

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**Operation LIST**

---

TOP OPORD

1. OBJECTIVE

2. DATES

3. DISTANCE

4. Methods

5. Information

- Maps
  - France and Belgium
  - Germany

- Sheets:
  - 50 Tourcoing
  - 55 Lille

- Scale:
  - 1/50,000

---

**2. PREPARATION**

**a. Prior to Embarkation**

1. All organizations will be supplied and equipped prior to embarkation in accordance with "Operations Administration Instructions Preliminary to Embarkation," dated 8 April 1944 on assume by verbal instructions.

2. Class I

   a. One third (1/3) type A and two thirds (2/3) type B will be carried by each individual airman.

   b. Class II

   a. All individuals will carry three (3) type A rations.

   b. All organizations, airman, will carry two (2) type A rations in planes or gliders.

   c. Class III

   a. Two (2) truck companies furnished by 21st Army Group will transport the following loads:

      1. 3 - Quartermaster
      2. 1 - Medical
      3. 1 - Signal
      4. 1 - Ordnance

   b. Class IV

   a. All gasoline tanks will be filled and vehicles properly lubricated prior to departure from embarking areas.

   b. Three (3) tankless of gasoline will be carried by truck companies furnished by 21st Army Group on fur shores, see appendix A.

   c. Division Quartermaster will establish Class III dump in vicinity of 45th Army Group, location will be reported later.

   d. Organizations will deliver empty cases to division dump.

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T-O-F 8-Z-6-6-4-7

a. Class II.

(1) Five (5) truckloads of engineer class IV supplies will be carried by two (2) truck companies furnished by 21st Army Group on for shore. See appendix A.

<table>
<thead>
<tr>
<th>Class V</th>
</tr>
</thead>
</table>
| scout organization will carry its full basic load of ammunition.

(2) Fifty one (51) truckloads of ammunition will be carried by two (2) truck companies furnished by 21st Army Group on for shore. See appendix A.

(3) Division ammunition officer will establish class V dump in vicinity of 0858. Location will be reported later.

(4) Ammunition expenditure reports will be submitted daily as of 0800 hours and will be delivered by 0900 hours to division ammunition officer at class V dump.

g. Water

(1) Containers will be filled prior to departure.

(2) All individuals will carry one (1) bottle of pamelon tablets containing one hundred (100) tablets each. Water will be considered as acceptable until treated.

(3) Locations of water supply points will be reported when established.

h. Resupply by air.

(1) Automatic resupply will be delivered to 0800 daily by paratroops or by air landed planes starting with P-1 day unless canceled by the division. See appendix A.

(2) A limited quantity of class II equipment will be laid down at departure airfields for delivery on call of the division. See appendix A.

(3) STARP Operations Memorandum No. 12, dated 13 March 1944 as amended 8 June 1944 will be followed in all resupply missions.

(4) Touched units and attached units will submit requests for air resupply to assistant chief of staff, G-4.

1. Ground supply for shore.

(1) British IIi arm will deliver daily supplies to division dumps in quantities previously specified. In the event additional supplies are required 2nd arm will obtain some from 5 (5) day reserve built up and held by 2nd arm for U.S. Forces.

(2) Division units will submit requisitions for class II and IV supplies in normal manner.

(3) See appendix A for supplies furnished daily.

2. FLIGHT.

a. casualties.

(1) Division medical clearing station initially will be set up in vicinity of and west of Remich. Location will be reported to units at later date.

(2) Casualties will be evacuated by air at the earliest practicable moment after air strips have been completed.
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3. A 20th Field Hospital will augment the 326th Airborne Medical Company in the operation of the clearing station.

b. Burial

(1) Operation Memorandum No. 7, 20 April 1944 remains in effect. Every effort will be made to avoid burial of unidentified dead.

   Tentative Minim of
   Division cemetery

   a. Salvage

   b. Disposition, instructions later.

   c. Captured Material

   (1) Captured enemy vehicles will be retained by units but will be reported to Assistant Chief of Staff, G-4. All captured vehicles will be marked with orange flags.

   d. Location of enemy dumps will be reported to Assistant Chief of Staff, G-4.

   e. Prisoners of War

   (1) Operation Memorandum No. 12, 24 April 1944 remains in effect. Strict adherence to provisions of Geneva Convention in the taking of prisoners is mandatory.

   (2) Organizations will maintain an exact record of the number of prisoners, by category, taken during each twenty-four (24) hour period.

   (3) Prisoners are responsible for maintenance of prisoners to division攘溯.ture.

   (4) Disclosure - to be unannounced.

J. TRAFFIC

a. See Operational Memorandum No. 16, this headquarters, dated 8 May 1944.

b. All vehicles will drive on HIGH side of road.

c. Control

(1) Necessary control to be effected by Division Provost Marshal.

d. Priorities

(1) Tactical movement of troops by motor.

(2) Ambulances.

(3) Hire patrols and construction crews.

(4) Staff cars and messenger vehicles.

(5) Supply convoys

   a. Class V.

   b. Class III.

   c. Class I.

   d. Other supply traffic.

T-O-P 0-E-CK-K-7

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T O P
S E C O N D

a. Restrictions.
   (1) Blackout lights ONLY will be used during darkness.
   (2) Local traffic regulations will be complied with.

4. PERSONNEL.
   a. Stragglers.
      (1) Unit responsibility.
      (2) Collecting point - vicinity of Division OP.
   b. Surplus baggage.
      (1) All surplus baggage will be stored at unit base camp prior to departure. Surplus baggage left at marshalling Areas will be handled by the division rear echelon.
   c. Mail.
      (1) Operational Memorandum No. 2, 4 April 1944 remains in effect. Mail from the Continent to the UK may be sent free. Censorship rules apply.
      (2) Location of division post office will be reported later.
      (3) Mail incoming and outgoing suspended on D Day.
   d. Strength report.
      (1) Rendered by all units as directed in Operational Memorandum No. 33 12 August 1944.
   e. Replacements.
      (1) None available until relieved from operation.

5.餘AFLABORD.
   a. Rear Echelon - Division headquarters remains open in present location.
   b. Gear disposal by Ordinance units. Locations will be reported by units to Division Ordinance Officer.
   c. Major items of ordnance equipment lost will be reported to Division Ordinance Officer.
   d. Civil Affairs Section will be located with Assistant Chief of Staff, G-1.
   e. Red Cross comfort items will be available through Assistant Chief of Staff, G-1 when service elements make contact with the Division.
   f. S-4 periodic reports will be submitted daily as of 1200 hours by 2100 hours starting D+2 day.
   g. Information on wage scales for payment of civilian labor will be furnished later. Unit Purchasing and Contracting Officers will maintain necessary records for clearing their accounts at later date.
   h. All civilian laborers hired by division will wear blue and white arm bands. These will be furnished by Division Quartermaster.

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#### S-B-O-R-B-T

**Appendix 2A**

**To Administrative Order No. 7**

**Suppliers to Be Carried by Two Truck Companies**

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<tr>
<td>Mine, 2 ft, MILI</td>
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</tr>
<tr>
<td>Coils, barbed wire</td>
<td>2,500</td>
</tr>
<tr>
<td>Long planks</td>
<td>1,000</td>
</tr>
<tr>
<td>Short planks</td>
<td>1,400</td>
</tr>
<tr>
<td>Entrenching set, Infantry</td>
<td>14,000</td>
</tr>
<tr>
<td>Sand bags, 5 lbs in 100 lb bags</td>
<td>5</td>
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#### 2. MEDICAL - one (1) truck

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<th>Unit</th>
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<tr>
<td>Alcohol, USP, XR</td>
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<tr>
<td>Petroleum, 5% in Ster. Plast. Water</td>
<td>12</td>
</tr>
<tr>
<td>Petroleum (for anesthetics)</td>
<td>1</td>
</tr>
<tr>
<td>Petroleum, USP, 5%</td>
<td>20</td>
</tr>
<tr>
<td>Sulphanilamide (Intestent, 5%</td>
<td>20</td>
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<tr>
<td>Sulphanilamide (Eye, 2% in sterile inst.</td>
<td>50</td>
</tr>
<tr>
<td>Dextrose (Round)</td>
<td>500</td>
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<tr>
<td>Water quart. (Shaker top, 12)</td>
<td>5</td>
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#### 3. AMMUNITION - fifty-six (56) trucks

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<td>Cal. .30, Carbine</td>
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<tr>
<td>Cal. .30, AP, 8/ per. Jp.</td>
<td>62,000</td>
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<tr>
<td>Cal. .30, SP, Modified (2)</td>
<td>3,450</td>
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<tr>
<td>Cartridges, rifle, grenades, Cal. .30, M6</td>
<td>100</td>
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**APPENDIX IV (CONT'D)**

### a. Ammunition (Cont'd)

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<tr>
<td>303, 500 AP-T, M26</td>
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</tr>
<tr>
<td>Grenade, rifle, M2, M26</td>
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<td>Grenade, rifle, frg., M27</td>
<td>200</td>
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<tr>
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</tr>
<tr>
<td>60mm, Hou, M8/92</td>
<td>10,000</td>
</tr>
<tr>
<td>60mm Illuminating, M63</td>
<td>100</td>
</tr>
<tr>
<td>81mm HE, 1A, M35</td>
<td>5,000</td>
</tr>
<tr>
<td>81mm HE, 1A, M33</td>
<td>5,000</td>
</tr>
<tr>
<td>81mm, MP, M27</td>
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</tr>
<tr>
<td>75mm, AP, M74</td>
<td>700</td>
</tr>
<tr>
<td>75mm, HS-T</td>
<td>500</td>
</tr>
<tr>
<td>75mm, AP-T, M70</td>
<td>5,776</td>
</tr>
<tr>
<td>75mm How, HS, w/f M54</td>
<td>2,088</td>
</tr>
<tr>
<td>75mm How, HS, M66</td>
<td>252</td>
</tr>
<tr>
<td>105mm How, HS, M1 w/(M54)</td>
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</tr>
<tr>
<td>105mm How, HS, M1 w/(M54)</td>
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</tr>
<tr>
<td>105mm How, M67, M67 w/(M54)</td>
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### b. G & P Material - give (5) trays

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Cleanner, rifle bore</td>
<td>oz</td>
<td>7,300</td>
</tr>
<tr>
<td>Cleanner, rifle bore</td>
<td>qt</td>
<td>600</td>
</tr>
<tr>
<td>Cleanner, breech</td>
<td>sh</td>
<td>2,500</td>
</tr>
<tr>
<td>Cloth, gabardine</td>
<td>lbs</td>
<td>5,000</td>
</tr>
<tr>
<td>Cloth, rifle</td>
<td>ea</td>
<td>6,500</td>
</tr>
<tr>
<td>Oil, lubr., Prim., light</td>
<td>gal</td>
<td>4,500</td>
</tr>
<tr>
<td>Oil, lubr., Prim., light</td>
<td>qt</td>
<td>1,400</td>
</tr>
<tr>
<td>Oil, neutral</td>
<td>quart</td>
<td>1,200</td>
</tr>
<tr>
<td>Putty, cut, cotton, flannel</td>
<td>lb</td>
<td>2,200</td>
</tr>
<tr>
<td>Herring, jute, 6 oz., 48”</td>
<td>yd</td>
<td>750</td>
</tr>
<tr>
<td>Cloth, abrasive, alum. oxide, 5/0 fine (W)</td>
<td>sq ft</td>
<td>30</td>
</tr>
<tr>
<td>Cloth, abrasive, alum. oxide, 5/0 coarse</td>
<td>sq ft</td>
<td>30</td>
</tr>
<tr>
<td>Compound, rust, preventative</td>
<td>lbs</td>
<td>120</td>
</tr>
<tr>
<td>Ebonite, cyn., G.D.</td>
<td>gal</td>
<td>140</td>
</tr>
<tr>
<td>Grease, G.P., 50</td>
<td>lbs</td>
<td>50</td>
</tr>
<tr>
<td>Grease, G.P., 80/100</td>
<td>lbs</td>
<td>180</td>
</tr>
<tr>
<td>Oil, 50 liq (%)</td>
<td>gal</td>
<td>300</td>
</tr>
<tr>
<td>Oil, lubr., 44 Inst</td>
<td>gal</td>
<td>20</td>
</tr>
<tr>
<td>Oil, retread, heavy</td>
<td>gal</td>
<td>60</td>
</tr>
<tr>
<td>Oil, retread, special</td>
<td>gal</td>
<td>10</td>
</tr>
<tr>
<td>Paper, lens tissue</td>
<td>pt</td>
<td>40</td>
</tr>
<tr>
<td>Primer, synthetic, rust, linab.</td>
<td>gal</td>
<td>150</td>
</tr>
<tr>
<td>Soda ash, type I</td>
<td>lbs</td>
<td>2,500</td>
</tr>
<tr>
<td>Soda, caustic, lye</td>
<td>lbs</td>
<td>200</td>
</tr>
<tr>
<td>Sponge, cellulose, coarse pure</td>
<td>ea</td>
<td>500</td>
</tr>
<tr>
<td>Twine, jute</td>
<td>lbs</td>
<td>50</td>
</tr>
<tr>
<td>Waste, cotton, white</td>
<td>lbs</td>
<td>500</td>
</tr>
<tr>
<td>Fluid, brake, hydraulic</td>
<td>gal</td>
<td>60</td>
</tr>
<tr>
<td>Fluid, shock, absorber, light</td>
<td>gal</td>
<td>30</td>
</tr>
<tr>
<td>Oil, hydraulic</td>
<td>qt</td>
<td>60</td>
</tr>
<tr>
<td>Paper, lint, class 3, grade 2/0</td>
<td>qr</td>
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</tr>
<tr>
<td>Lather, extinguisher, fire</td>
<td>gal</td>
<td>50</td>
</tr>
</tbody>
</table>

---

### 2. EQUIPMENT - Nineteen (19) trunks

#### a. Class I - Thirteen (13) trunks

1. **Type K** M13 trunks: 13,668 – six (6) trunks
2. **Type K** M16 in 1st trunks: 12,400 – seven (7) trunks

---

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<thead>
<tr>
<th>Class III - Three (3) trucks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Petrol</strong></td>
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<tr>
<td><strong>Gas 90</strong></td>
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<tr>
<td><strong>Gas 90</strong></td>
</tr>
<tr>
<td><strong>Grease &amp; GP</strong></td>
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<table>
<thead>
<tr>
<th>Class II - Three (3) trucks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cleaning and Preserving Material</strong></td>
</tr>
<tr>
<td><strong>Broom, Gun</strong></td>
</tr>
<tr>
<td><strong>Broom, Batten, Push</strong></td>
</tr>
<tr>
<td><strong>Brushes, Scrubbing, Floor</strong></td>
</tr>
<tr>
<td><strong>Brooks, Lifted Out</strong></td>
</tr>
<tr>
<td><strong>Calcium hypochlorite</strong></td>
</tr>
<tr>
<td><strong>Plaster, Lime or creosol</strong></td>
</tr>
<tr>
<td><strong>Bottle, 6 oz</strong></td>
</tr>
<tr>
<td><strong>Handing, Broom, rattan, push</strong></td>
</tr>
<tr>
<td><strong>Line, Clearing</strong></td>
</tr>
<tr>
<td><strong>Lime, caustic, soda</strong></td>
</tr>
<tr>
<td><strong>Oil, machine oil</strong></td>
</tr>
<tr>
<td><strong>Powder, Powdering</strong></td>
</tr>
<tr>
<td><strong>Soap, Grease</strong></td>
</tr>
<tr>
<td><strong>Soap, Laundry</strong></td>
</tr>
<tr>
<td><strong>Wood, Stool</strong></td>
</tr>
<tr>
<td><strong>Candles, (6 per lb)</strong></td>
</tr>
<tr>
<td><strong>Matches, Box</strong></td>
</tr>
<tr>
<td><strong>Paper, Enlist</strong></td>
</tr>
<tr>
<td><strong>Calcium hypochlorite</strong></td>
</tr>
<tr>
<td><strong>Orthodolamine, tablet</strong></td>
</tr>
<tr>
<td><strong>Iodophorides, powder</strong></td>
</tr>
<tr>
<td><strong>Paper, Fly, ribbon</strong></td>
</tr>
<tr>
<td><strong>Insecticide, insect killer</strong></td>
</tr>
<tr>
<td><strong>Propylcide, mechanic</strong></td>
</tr>
<tr>
<td><strong>Propylsides, other</strong></td>
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#### 5.  **GUN** - Five (5) trucks

<table>
<thead>
<tr>
<th><strong>Axle, HC-77-1</strong></th>
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<tbody>
<tr>
<td><strong>Batteries</strong></td>
</tr>
<tr>
<td><strong>B-2</strong></td>
</tr>
<tr>
<td><strong>B-23</strong></td>
</tr>
<tr>
<td><strong>B-27</strong></td>
</tr>
<tr>
<td><strong>B-35</strong></td>
</tr>
<tr>
<td><strong>B-40</strong></td>
</tr>
<tr>
<td><strong>B-45</strong></td>
</tr>
<tr>
<td><strong>B-73</strong></td>
</tr>
<tr>
<td><strong>B-80</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Clampers, LG-6</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cigars, (300)</strong></td>
</tr>
<tr>
<td><strong>Converter, K-209</strong></td>
</tr>
<tr>
<td><strong>Cord, C &amp; D-500</strong></td>
</tr>
<tr>
<td><strong>Cord, C &amp; D-1050</strong></td>
</tr>
<tr>
<td><strong>Cranks, GE-7</strong></td>
</tr>
<tr>
<td><strong>Pto, GH-124</strong></td>
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<tr>
<td><strong>Flashlight, JL-124</strong></td>
</tr>
<tr>
<td><strong>Gloves, LG-10</strong></td>
</tr>
<tr>
<td><strong>Lamp, HC-25</strong></td>
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<tr>
<td><strong>Message Books, M-110</strong></td>
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<tr>
<td><strong>Mail Equipment, CL-11</strong></td>
</tr>
<tr>
<td><strong>Mail Unit, CL-31</strong></td>
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<tr>
<td><strong>Mail Unit, CR-37</strong></td>
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<tr>
<td><strong>Switchboard, 60-11</strong></td>
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<tr>
<td><strong>Switchboard, 60-71</strong></td>
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APPENDIX IV

To Administrative Order No. 7

AIR SUPPLY

1. Daily tonnage requirements for the division are as follows:
   a. The following list of Class I, II, III, V, medical and signal supplies constitutes the
      resupply requirements of the 101st Airborne Division for one (1) day of operation.
   b. Initially, arrangements will be made with Corps to deliver by parachute one (1) or
      more days resupply of all types automatically and thereafter, call for delivery of one (1)
      or more types listed below. Requests will be made by bundle number.
   c. Tonnage of resupply for one (1) day:
      
      | Class | Tonnage |
      |-------|---------|
      | I     | 24.6    |
      | II    | 2.44    |
      | III   | 195.25  |
      | V     | 1.3     |
      | Signal| 2.5     |

   2. Consolidated list of resupply requirements for one (1) days operations:

<table>
<thead>
<tr>
<th>TYPE</th>
<th>SUPPLY NO.</th>
<th>NO. ITEMS</th>
<th>TOTAL WT. (LBs)</th>
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<tbody>
<tr>
<td>I</td>
<td>1</td>
<td>4 cases</td>
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</tr>
<tr>
<td></td>
<td>2</td>
<td>3-5-gal</td>
<td>84</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>7-lbs</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>2-6-gal</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>5a</td>
<td>2-6-gal</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>5b</td>
<td>2-6-gal</td>
<td>22</td>
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<td>5c</td>
<td>2-6-gal</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>3</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>3</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>8a</td>
<td>3</td>
<td>160</td>
</tr>
<tr>
<td></td>
<td>8b</td>
<td>3</td>
<td>160</td>
</tr>
<tr>
<td></td>
<td>9a</td>
<td>1</td>
<td>34,463</td>
</tr>
<tr>
<td></td>
<td>9b</td>
<td>1</td>
<td>2,081</td>
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<tr>
<td></td>
<td>10a</td>
<td>1</td>
<td>24,360</td>
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<td></td>
<td>10b</td>
<td>1</td>
<td>9,744</td>
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<tr>
<td></td>
<td>10c</td>
<td>1</td>
<td>5,400</td>
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<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>No.</th>
<th>Each</th>
<th>Total Required</th>
<th>Total</th>
<th>His Per</th>
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<tr>
<td>11a</td>
<td>T57m, how, HE</td>
<td>4</td>
<td>2290</td>
<td>264</td>
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<tr>
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<tr>
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<td>18</td>
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</tr>
<tr>
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<td>304</td>
<td>18</td>
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<table>
<thead>
<tr>
<th>BUNDLE NO.</th>
<th>TYPE MATERIAL</th>
<th>NO. ITEMS IN BUNDLE</th>
<th>REQUIRED TOTAL</th>
<th>NET WT.</th>
<th>TOTAL</th>
<th>KGs PER WEAPON</th>
</tr>
</thead>
<tbody>
<tr>
<td>17a</td>
<td>Mines, ANF, E.</td>
<td>4 bx. 284.</td>
<td>190</td>
<td>42,600</td>
<td>3000</td>
<td></td>
</tr>
<tr>
<td>17b</td>
<td>Grenade, hand, 122 FR. 6 bx.(32 Granules) (if avail.) (40 per box)</td>
<td>198</td>
<td>2</td>
<td>396</td>
<td>480</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Medical. Medical items packed in one (1) aerial delivery container. All bundles are listed on attached sheet. All bundles are packed in the same manner.</td>
<td>85</td>
<td>40</td>
<td>3,400</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Signal:**

19. Batteries, Ba-23

20. Batteries, Ba-30

21. Batteries, Ba-37

22. Batteries, Ba-39

23. Batteries, Ba-40

24. Batteries, Ba-48

25. Batteries, Ba-80

26. Wire, E-110

**NOTE:** Total required bundles is 2,020 which would require one hundred ninety (190) planes at twelve (12) bundles per plane.

3. The following system of identification of resupply in aerial delivery containers and gliders will be used by aerial resupply companies:

a. Aerial delivery containers.

(1) Each class or type resupply packed in aerial delivery containers will utilize colored parachute canopies to represent the type resupply contained in the bundle. Following are listed the various colored canopies which will be used for the type of supply shown opposite the canopies.

<table>
<thead>
<tr>
<th>CLASSIFICATION</th>
<th>TYPE RESUPPLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class I</td>
<td>Blue</td>
</tr>
<tr>
<td>Class III</td>
<td>Green</td>
</tr>
<tr>
<td>Class V</td>
<td>Red or Yellow</td>
</tr>
<tr>
<td>Medical Signal</td>
<td>White</td>
</tr>
</tbody>
</table>

(2) The Resupply Company will also mark each bundle with white paint to indicate the exact contents of the container. Sample identifications are given below.

```
Type of ration
Gasoline
Tyre chains
90 Cal. Ammunition
Medical (assorted)
Signal (assorted)
```

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Authority NAVO 73-017
(3) All containers should have an aerial delivery identification light attached wherever night drops of resupply are made.

b. Gliders

(1) If gliders are used for resupply purposes, they will have a two foot square painted on each side of the fuselage in front of the door. The colors to be used should correspond to the colors of the containers used to represent each type of resupply. Letters or numbers painted on two foot squares in black would further identify the contents of the glider. In the event that two or more dissimilar types of resupply are loaded into one glider all colors representing the different types will be used on the square. Sample markings are as follows:

(a) Glider loaded with ammunition: ten (10) boxes .30 Cal., ten (10) boxes .50 Cal., and 30 claymore, 70mm.

<table>
<thead>
<tr>
<th></th>
<th>10</th>
<th>10</th>
<th>30</th>
<th>75</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Red Square)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(b) Gliders loaded with Class I, Medical and Class III supplies.

<table>
<thead>
<tr>
<th></th>
<th>10</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>Green</td>
<td></td>
<td>25</td>
</tr>
<tr>
<td></td>
<td></td>
<td>25</td>
</tr>
</tbody>
</table>

(c) It is recommended that gasoline solvent paint be used for all markings on containers and gliders.

4. Method of delivery

a. All resupply will be automatically delivered to 

b. The division will request any additional supplies if required and will decrease amount if deemed safe.

c. The division quartermaster will be responsible for the collection of all aerial delivery containers and assembling them in division dumps. The division ammunition officer will assist the division quartermaster. The division quartermaster will obtain the services of sufficient civilians and civilian transport to assure a rapid recovery of the resupply.

d. Organizations will collect all resupply containers which land in their area. Reports will be submitted to the AG of SRG-4 on all resupply collected. Organizations may use redsize, gasoline and ammunition collected in their area but will report amounts used. Under no circumstances will organizations retain signal and medical resupply containers.

- 4 -

S-E-G-O-E-Z-E
Operation Market Garden Paragraph Four OPORD

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OPORD Command and Communications

Operation Neptune Paragraph Five OPORD

Glossary:

• Radio Silence - No one uses radios until a certain time or event happens so as not to give your enemy any clues that something important is about to happen

• GPO - General Post Office

• SIGABA - A secure means of communication (like having a satellite phone)

• SOI - Signal Operating Instructions (a code book with frequencies, call signs, and passwords)

• CP - Command Post, the headquarters for an army unit

• Net - Radio/communications network

• SCR - Signal Corps Radio - type of radio. SCR300 is a particular model radio produced for the US Army.

• Pyrotechnics - Signal flares - different colors are available to signal different actions that are specified in the order or the SOI
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MARS: FRANK 1/30,000, QSUS No. 2320, Sheets 1A & 2 ENE DU PICTS (1/3); PREDs (1/3/2 & 6/9/2), TAILNUMS (16/3 & 4), ENDK (69/6).

1. INTELLIGENCE: See Annex No. 3.
2. The 101st AB Div, reinforced, will land by air andfiler on the COASTAL PENINSULA beginning at 4:00 PM on the right of D minus one D-day, with the principal mission of assisting the landing of the 4th Inf Div and its passage inland from UTAH BEACH. It will subsequently protect the south flank of the VII Corps along the DOURD RIVER within its sector.

---

3. a. PARACHUTING WINDS: (See Annex No. 2, Air Movement Table),
   (1) Sound front Int, with S272 Plt Int, Plt, attached, landing on Drop Zone "G", will destroy the swamp battery located west of ST. MARTIN-DE-TANDOY (40949) and will clear the western edge of inundated area back of UTAH BEACH between ST. MARTIN DE TANDOY (40948) and MONTVILLE-LA HUBERT (40979), both inclusive, prior to D-day. It will protect the south flank of the Division within the longitudinal sector of OPORD Annex No. 3. Upon being relieved by 6th Inf Div it will assemble in place prepared for movement to the southwest. See Annex No. 4.
   (2) The 506th Pkt Inf (with left and 3rd platoon), Co. "D", 506th AB Regt, attached, landing on Drop Zones "G4" and "G5" will execute the following missions:
      (a) Seize the western edge of the inundated area back of UTAH BEACH between MONTVILLE-LA HUBERT (40976) exclusive, and PONTBOVILLE (40993), prior to D-day.
      (b) Protect the south flank of the 101st AB Div and 4th Inf Div within the regimental sector. The bridges north of CARENTHA at 356872, 358265, 348362, 410870, and 347876 will be destroyed; the dam at 357876 will be bypassed and defended.
   (2) The 507th Plt Int, with 507th Plt (less 3rd bn), will protect the near (west flank) of the Division within the regimental sector. It will seize the 3rd MSA-290312 and the crossing of the DOURD RIVER at 315937 and 321030. Upon being relieved by the 4th Inf Div it will assemble southeast of DOURD RIVER and push a strong detachment to the west for the purpose of destroying the crossings of the DOURD RIVER at 309910 and 299258 and contacting the 62nd AB Div at ST. SAVOUR-LA-VIGUIER.
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OP No. 1 Hq 201st AB Div 440 470, 15 May 1944 Cont’d.

(4) The 3rd Bn, 501st Pknt Inf, landing on Drop Zone "A" will assemble in Division reserve prepared to mark and protect glider landing zone "B".

b. GLIDER ENSLAVEMENT (See Annex No. 2, Air Movement Table).

(1) The glider troops, following landing, will assemble in vicinity of landing zones indicated in Annex No. 5 and await orders. Battery "AA", 81st AB 60 mm, will be prepared for attachment to the 506th Pknt Inf. The Commanding General, Division artillery, is charged with arrangements for receiving the glider enlisted. For details of glider pilots see, Annex No. 7.

c. SPARRING ELEMENTS (See Annex No. 2a, Landing Table).

(1) The elements, upon landing, will assemble as indicated in Annex No. 2a. All personnel elements will be prepared for immediate employment in the CORENTH Area. The assistant Division Commander is charged with arrangements for loading and directing the personnel elements of the Division.

(2) Batteries "G", "H", "K", and "M", 81st AB 60 mm are initially attached to the 15th AAA Group for the anti-aircraft defense of GREECE. These batteries will revert to Division control upon arrival of their transportation on D plus 1.

(3) The 6th Arm Pknt Bn (SP), initially attached to the 4th Inf Div, will pass to the control of the 15th AB Div on D minus 1 by actual arrangement with the 4th Inf Div. It will be prepared to furnish general artillery support from beach positions.

2. (a) Signal repeaters will be located at this Headquarters at 2230 daily by Inf Regiments, Div Art, 81st AB 60 mm, 324th Ab Eng Bn, and separate companies.

(b) For interdiction of enemy communication installations see Annex No. 5b.

3. See Administrative Order No. 1.

5. (a) (1) See Annex No. 6a and 6b Signals.

(2) Signal Operations Instructions (Assault) Index 1-1 will become effective at 0001, D plus 1.

(b) CPs:

VII Corps (Front Center) - US 95th INF

Address: Hq - LOT (2) No. 147

VII Corps (Front Southern) - LOUISE (399) after 1600 plus 1

4th Inf Div (Front) - ST. MARTIN DE VALEMIRE (1906)

2nd AB Bn (Front) - VALENCIEUX (1750) (tentative)

101st AB Div (Front) - MOREUX (1970) (tentative)

303rd Prov Comd (Front) - QUINCY (1990) (tentative)

526th Prov Comd (Front) - KNOXVILLE (1970) (tentative)

56th Prov Comd (Front) - ST. MARTIN DE VALEMIRE (1906) (tentative)

357th Gri Inf (Front) - ST. JULIEN (5390) (tentative)

Div Art (Front) - VALENCIEUX (1750) (tentative)

(c) Radio-Silence.

(1) All personnel elements will break Radio Silence upon landing.

(2) At 0615 or earlier, Radio Silence may be broken by that Commander of Seaborn Elements within approximately twelve (12) miles to beachhead, unless otherwise prohibited.

(d) ART OF SIGNAL COMMUNICATIONS (Front Center) - US 95th INF

VII Corps: LOUISNHEU - MONTEGORD - VALOUSIM.

4th Inf Reg: ST. MARTIN DE VALEMIRE - MONTEGORD - VALOUSIM.

FA Group will be ready immediately upon capture of strongpoints and battery at ST. MARTIN DE VALEMIRE.
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A. Signal Annex No. 6a: Communications within the United Kingdom to Departure Airports,

B. Signal Annex No. 6b: Communications on the Continent.

A. Signal Annex No. 54: TO PC NO. 1,

B. Signal Annex No. 55: TO PC NO. 2,

C. Signal Annex No. 60: TO PC NO. 3,

D. Signal Annex No. 61: TO PC NO. 4,

E. Signal Annex No. 62: TO PC NO. 5,

F. Signal Annex No. 63: TO PC NO. 6,

G. Signal Annex No. 64: TO PC NO. 7,

H. Signal Annex No. 65: TO PC NO. 8,

I. Signal Annex No. 66: TO PC NO. 9,

J. Signal Annex No. 67: TO PC NO. 10,

K. Signal Annex No. 68: TO PC NO. 11,

L. Signal Annex No. 69: TO PC NO. 12,

M. Signal Annex No. 70: TO PC NO. 13,

N. Signal Annex No. 71: TO PC NO. 14,

O. Signal Annex No. 72: TO PC NO. 15,

P. Signal Annex No. 73: TO PC NO. 16,

Q. Signal Annex No. 74: TO PC NO. 17,

R. Signal Annex No. 75: TO PC NO. 18,

S. Signal Annex No. 76: TO PC NO. 19,

T. Signal Annex No. 77: TO PC NO. 20,

U. Signal Annex No. 78: TO PC NO. 21,

V. Signal Annex No. 79: TO PC NO. 22,

W. Signal Annex No. 80: TO PC NO. 23,

X. Signal Annex No. 81: TO PC NO. 24,

Y. Signal Annex No. 82: TO PC NO. 25,

Z. Signal Annex No. 83: TO PC NO. 26,

AA. Signal Annex No. 84: TO PC NO. 27,

BB. Signal Annex No. 85: TO PC NO. 28,

CC. Signal Annex No. 86: TO PC NO. 29,

DD. Signal Annex No. 87: TO PC NO. 30,

EE. Signal Annex No. 88: TO PC NO. 31,

FF. Signal Annex No. 89: TO PC NO. 32,

GG. Signal Annex No. 90: TO PC NO. 33,

HH. Signal Annex No. 91: TO PC NO. 34,

II. Signal Annex No. 92: TO PC NO. 35,

JJ. Signal Annex No. 93: TO PC NO. 36,

KK. Signal Annex No. 94: TO PC NO. 37,

LL. Signal Annex No. 95: TO PC NO. 38,

MM. Signal Annex No. 96: TO PC NO. 39,

NN. Signal Annex No. 97: TO PC NO. 40,

OO. Signal Annex No. 98: TO PC NO. 41,

PP. Signal Annex No. 99: TO PC NO. 42,

QQ. Signal Annex No. 100: TO PC NO. 43,

RR. Signal Annex No. 101: TO PC NO. 44,

SS. Signal Annex No. 102: TO PC NO. 45,

TT. Signal Annex No. 103: TO PC NO. 46,

UU. Signal Annex No. 104: TO PC NO. 47,

VV. Signal Annex No. 105: TO PC NO. 48,

WW. Signal Annex No. 106: TO PC NO. 49,

XX. Signal Annex No. 107: TO PC NO. 50,

YY. Signal Annex No. 108: TO PC NO. 51,

ZZ. Signal Annex No. 109: TO PC NO. 52,
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OPORD

101st Airborne Division

Lorraine, France

21 July 1944

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b. Friendly Situation - Annex No. 3.

c. The 101st Airborne Division, reinforced, will land by air and water on the Cotentin Peninsula beginning at 3-hour on the night of D-minus one - D-day to assist landing of the 4th Infantry Division on Utah Beach.

d. Initial GP Areas:

- HENNEVILLE (387922) Tentative
- LOUTRES (389900) Tentative
- CULVILLES (389912) Tentative
- GUEVILLAY (423252) Tentative

Division Service Area

HENNEVILLE (379170) Tentative

2. a. General Plan - Annex No. 3.

b. Initially, Radio will be the primary means of communication within the Division.

c. 3-hour is the time of dropping of the first Parachute Division.

d. J-hour, H-hour, D-day will be announced to units by Airborne courier.

3. a. 101st Airborne Signal Company.

   (1) Parachute Reconnaissance

   a. Message Center.

   b. One Message Center Team of eight men will operate Message Center immediately upon landing.

   c. Radio Communication - Appendices No. 1 & 2.

   d. Wire Communication.

   2. One Wire Team of three men will accompany the 32nd Parachute Infantry Regiment and one Wire Team of three men will accompany the 506th Parachute Infantry Regiment. Immediately upon landing, these Wire Teams will lay one line back to the Division Command Post.

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2. Circuit Diagram - Appendix No. 10.
   (d) Pigeon Communication.
   1. Eight Pigeons will be carried.

2. Glider Schalke:
   (a) Message Center.
   4. Operation normal.
   (b) Radio Communication - Appendix No. 1, 4, 6, 8 & 7.
   (c) Wire Communication - Appendix No. 10, 11 & 12.
   (d) Pigeon Communication.
   1. Sixteen Pigeons will be carried.

2. 502d Parachute Infantry Regiment:
   (1) Radio Net - Appendix No. 5, 6 & 7.

2. 506th Parachute Infantry Regiment:
   (1) Radio Net - Appendix No. 5, 6 & 7.

2. 506th Parachute Infantry Regiment, less 3rd Battalion:
   (1) Radio Net - Appendix No. 5, 6 & 7.

2. Lay one Wire Circuit to Division CP immediately upon establishment of Regimental CP.

2. 3rd Battalion, 506th Parachute Infantry Regiment:
   (1) Communication normal with the following exceptions:
   (a) Enter Division Command Net, See Appendix 5, 6 & 7.
   (b) Lay one Wire Circuit to Division CP immediately upon establishment of Battalion CP.

2. 501st Airborne Division Artillery:
   (1) Communication normal, See Appendixes No. 3, 5, 6, 7 & 8.

2. Lay one Wire Circuit to Division Command Post immediately upon landing, See Appendix No. 10.

2. 577th Parachute Field Artillery Battalion:
   (1) Communication normal,
   (2) Establish liaison with the 502d Parachute Infantry Regiment immediately upon landing.

2. 377th Glider Field Artillery Regiment:
   (1) Communication normal.
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(2) Messenger Communication,

(a) Upon establishment of a CP, each Unit will dispatch two messengers to Division Message Center.

(b) Messenger vehicles will be given FIRST Priority on all roads.

(3) Radio Communication - See Appendices No. 1 & 9.

(a) Guard Net Frequency will be 4290 KHz. This frequency will be used by any units in VII Corps unable to make contact on regularly assigned frequency.

(b) Radio Silence will be broken upon landing of Parachute Elements.

(c) At H minus 15, Radio Silence may be released by Unit Commanders of Parachute Elements within approximately twelve (12) miles of beach, unless otherwise prohibited.

(d) An SCR-300 Contact Net will use Channel 23. The Net will be used in communicating friendly Elements by Division, Regimental, and Battalion Headquarters, Elements of 52nd Airborne Division may also report into this Net. Authentication not required unless requested. Mutual recognition Code Word will be, ORANGE.

(e) Elements of the Division may report into Listnet, SCR-300 Net of the 67th Chemical Battalion, or Orange Contact Net, using ORANGE Recognition Signals to call for mortar fire.

(f) The Commanding General's radio set will enter any radio Net in the Division.

(g) Upon establishment of unit and SCR-506 Parachute Regimental Command Net with 1110-20, liaison communication with attached Engineer Units will be maintained with SCR-300 Radio.

(h) Reception Organization will establish communication between Beach 07, Beach Assembly Area and Division Assembly Area and establish contact with Division CP. See Appendix No. 1.

(1) The following units will be standing by in the Division Artillery Command Net:

- 67th Engineers Field Artillery Battalion (Ap)
- 4th Division Artillery
- 67th Chemical Battalion
- VII Corps Artillery.

(4) Wire Communication,

(a) Operation normal.
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(b) Underground telephone cable on the Continent will not be cut but service in enemy sectors will be interrupted at power stations or telephone exchanges.

c) Precautions: Previous operations have shown that open wire leads are sometimes heavily nipped around the base of pole and under the lead between poles. Enemy troops have also been attached to hanging wires. Inside trunk facilities of telephone exchanges may be booby-trapped.

d) Line route maps will be submitted by all units every twelve (12) hours.

(5) Pigeon Communication.

(a) Pigeons will be delivered by Division Signal Supply to units at departure airfields, on D minus 1.

(b) Bases of issue will be:

Right (6) per Regimental Headquarters,
Four (4) per Battalion Headquarters,
Twentyfour (24) Signal Company.

(c) All line pigeons will be marked if practicable. Pigeons should be released in pairs with one bird carrying the duplicate copy of message.

(d) Immediately upon landing, each unit will release two pigeons, giving situation and location at time of landing.

(6) Visual Communication.

(a) Yellow and Orange Parachutes will be used to designate friendly troops.

(b) Orange Flares will designate friendly troops.

c) Orange Flares will be used to designate friendly troops. Yellow Flares will be used to indicate an area. Orange Flares will be used to indicate a target.

(d) Pyrotechnics - Single Yellow Star will be used as ground to ground signal to designate friendly troops.

(e) Three Dots or Three Dashes, using Signal Lamps, Small or Flashlight, means "3."

(f) Orange Shoulder Loops will be used in Division to designate beach control signals, "OCT.

4. 1st Marine Signal Company Areas will be in vicinity of Division Command Post.

5. Division Signal Repair and Division Signal Supply will be located in vicinity of Division CP.

6. Signal supplies, including wire, will be available at Division Signal Supply on D plus 1.

7. Beach Signal Bump will be located at 10000 and initially will be under control of 1st Engineer Special Brigade.
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SECRET - HIGHLY SECRET

5. a. Signal Operations Instructions (assault) Index No. 1 - 1 will be in effect at 3-hour.
   b. Signal Operations Instructions (reference) Index No. 1 - 1 will be effective at 0000, D plus A.
   c. Division Signal Officer may be located through the Division Message Center.

OFFICIAL:

Willmer
INTER

TAYLOR

ATTACHMENTS:

2. Radio Sets, Division OF - Preah, Rechelon.
3. Artillery Sets - Preah, Rechelon.
4. Radio Set - Division OF - Glider Rechelon.
9. Radio Men - Chart A.
12. Circuit Diagram - B plus A.
14. Radio Net - RSUP

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Glossary:

- SIGABA - Is a secure means of communication (like having a satellite phone)
- SOI - Signal Operating Instructions (a code book with frequencies, call signs, and passwords)
- CP - Command Post, the headquarters for an army unit
- Net - Radio/communications network
- SCR - Signal Corps Radio - type of radio. SCR300 is a particular model radio produced for the U.S. Army
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1. **Intelligence - Annex No. 1.**
   - Event Situation - British Airborne Corps will land ahead of British Second Army to assist its advance northward.
   - 101st Airborne Division will land by parachute and glider in daylight on D+1 and D+2 days in the area around Venlo, Eindhoven, and Nijmegen in order to assist the advance of the British Second Army northward along the Eindhoven - Grave (526590) highway.

2. **Command Posts: A/B Corps**
   - 42nd A/B Division
   - Division and Division Artillery
   - 501st Para Inf Regt
   - 506th Para Inf Regt
   - 507th Para Inf Regt

3. **101st Airborne Signal Company**
   - **(1) Rear Base**
     - **(a) Message Center**
       - Operation normal
     - SEAMAX will be used for cryptographic communication to units in United Kingdom.
     - Nonstop M-209 settings will be used in communication to Rear Base.
     - Special M-209 messages will be used between Rear Base and front airfields.
   - **(b) Radio**
     - Will operate station in the Division Rear B.N. at 10 h. with 101st Airborne Division Headquarters in United Kingdom.
     - Operate station in Troop Carrier Command Net.

4. **Parachute Battalion**
   - **(a) Message Center**
     - Operate immediately upon landing.
   - Ode to Clarks (3rd) will be landed with Analysis messages transmitted over 30 corps - 101st A/B Division radio net.
   - Special M-209 messages issued by First Allied Airborne Corps will be employed with Clarks M-209 in communication to rear bases and to British A/B Corps and Rear Base.
   - Carry eight (8) pigeons.

5. **Glider Battalion**
   - **(a) Message Center**
     - Additional personnel available on landing of gliders will augment parachute echelon.
   - **(b) Radio**
     - Appendices No. 1, 2, 3, 4.
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Restriction

Restriction

2. Yellow smoke or flares will be used to indicate positions of our own troops to friendly aircraft. Yellow smoke triangles will be used for ground-to-ground recognition. If available, fluorescent panels will be used to distinguish vehicles to the air.

6. General

f. Interconnection of existing telephone circuits and neutralization of telephone exchanges, cable heads, etc., will be carried out by Wire Platoon of Division Co. Destruction of telephone facilities will not be carried out.

8. No more than three (3) days Code Sign Extracts, and other code keys may be carried on the initial fly-in. Division Signal Co. will carry copies of code keys for period after D - 2. Only those extracts of the SCI as are actually required will be carried. Items of the SCI may be carried in garbled form.

2. Compromise of any code or cipher unit is immediately reported to Division Signal Officer.

(4) 101st Airborne Signal Company will be in vicinity of Division Command Post.

2. Division Signal Repair and Division Signal Supply will be located in vicinity of Division Command Post.

5. Signal Operation Instructions - Index Reference No. 1 - 2 will be in effect at H - Hour.

2. Signal Operation Instructions - Index Reference No. 1 - 2 will become effective ONCE D - 2.

2. Division Signal Officer may be located through the Division Message Center.

TAYLOR

OFFICIAL: Hahna

S-3

APPENDIX:

1. Radio Net Initial Phase
2. Radio Net after Glider Landing - D - Day
3. Radio Net D - 2
4. Radio Net D - 2
5. Circuit Diagram
6. Telephone Directory Departure Airfields
7. Telephone Traffic Diagrams Departure Airfields

(3 of three pages)

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<table>
<thead>
<tr>
<th>UNIT</th>
<th>CODE NAME</th>
<th>DEPARTURE AIRFIELD</th>
<th>CODE NAME</th>
<th>AIRFIELD</th>
<th>CIVIL TELEPHONE NO.</th>
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### Operation Market Garden Paragraph Five OPORD

National Archives and Records Administration

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502 Orderly Room | Trojan | 403 |
327th Orderly Room | Trojan | 46 |
Qu. Co. Orderly Room | Trojan | 28 |
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Maj La Fede | Rhapsody | 72 |
Maj Iman | Rhapsody | 17 |
Col Harper | Trojan | 47 |
Col Cox | Treetop | 501 |