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1/16/2006

HR 70-14

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CENTRAL INTELLIGENCE AGENCY
WASHINGTON 25, D. C.

8 DEC 1961

MEMORANDUM FOR: The Director, Defense Intelligence Agency

SUBJECT : ARTILLERY COLLECTION: "An Exercise to be
Carried out by an Independent Engineer
Battalion in an Offensive Operation by
an Army in the Initial Stage of a War"

1. Enclosed is a verbatim translation of an article which
appeared in Issue 49, 1959 of a Soviet Ministry of Defense TOP
SECRET publication called Information Collection of the Artillery
(Informatsionny Sbornik Artillerii).

2. We request that this material be handled on a need-to-
know basis within your office. Requests for extra copies of
this report or for utilization of any part of this document in
any other form should be addressed to the originating office.

FOR THE DEPUTY DIRECTOR, PLANS:

[Redacted Signature Box]

Enclosure

[Redacted Box]

Richard Helms

RICHARD HELMS

[Redacted Box]

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cc: Military Assistant to the President

Special Assistant to the President for
National Security Affairs

Assistant to the Secretary of Defense

Director for Intelligence
The Joint Staff

Assistant Chief of Staff, Intelligence
Headquarters, U. S. Air Force

Assistant Chief of Staff for Intelligence
Department of the Army

Director of Naval Intelligence
Department of the Navy

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Department of State

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Atomic Energy Commission

Chairman, Guided Missiles and Astronautics
Intelligence Committee

Deputy Director for Intelligence

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7 December 1961

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COUNTRY : USSR

SUBJECT : ARTILLERY COLLECTION: "An Exercise to be Carried out by an Independent Engineer Battalion in an Offensive Operation by an Army in the Initial Stage of a War"

DATE OF INFO: Summer 1959

APPRAISAL OF
CONTENT : Documentary

SOURCE : A reliable source (B).

Following is a verbatim translation of an article titled "An Exercise to be Carried out by an Independent Engineer Battalion in an Offensive Operation by an Army in the Initial Stage of a War" which appeared in Issue No. 49, 1959 of the Soviet military publication Information Collection of the Artillery. This publication is classified TOP SECRET by the Soviets. The preface to this publication was disseminated in [Redacted]

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[Redacted]

[Redacted]

"I Approve"

~~Top Secret~~

Commander of Artillery

Copy No.

(rank, signature)

The Task of Carrying Out a Tactical Exercise
on the Theme:

"The Actions of an Independent Engineer Battalion in an
Offensive Operation of an Army in the
Initial Phase of a War"

STARA-STUDNICA - 19__

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Map: 200,000 N-32-IV-VI; X-XII; XVI-XVIII;
XXII-XXIV; XXVIII-XXX; XXXVII-XXXVIII;
N-33-I-XXX

I

1. On the night of 16/17 July "the Western forces", after the delivery of atomic strikes, crossed the state frontier on a front Dargun, Malchin, Rechlin, Neustadt, Rathenow and by 3.30 had advanced in different directions up to 8-10 kms.

2. "The Eastern forces", having received information in the beginning of July about the preparation of "the Western forces" for military action, began to deploy their troops with the objects of repelling the enemy strike and of subsequently destroying their forces, in readiness to go over to the offensive by the end of 19 July (k iskhody 19.7). On the night of 16/17 July "the Eastern forces" delivered a counter-strike with aircraft and artillery by which the force of the "Western" initial strike was significantly weakened. Border units and covering troops are fighting stubborn battles with superior enemy forces.

II

1. The 1st Independent Engineer Battalion has come under the command of the 2nd Western Front and after unloading at "Kozy" Railway Station by 3.30 on 17 July has concentrated in the woods east of Dobrzany. The battalion is provided with personnel and equipment in accordance with what is available, and has four 8A61 missiles with nose cones (golovnaya chast') and two 8K11 missiles. The missiles have not been checked and are not fueled with special fuel.

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By order of the commander of troops of the 2nd Western Front, the battalion is attached to the 3rd Army.

At 3.30 on 17 July a senior officer of Artillery Headquarters, 3rd Army, arrived at the headquarters of the 1st Battalion, and gave the battalion commander the following information on the situation and task:

- 1) On the night of 16/17 July the enemy commenced military operations and at 3.00 on 17 July, overcoming the resistance of covering units, advanced in an easterly direction for 10 kms. From the beginning of military operations the enemy has been using atomic weapons and combat radioactive substances (boyevoye radioaktivnoye veshchestvo).
- 2) The 3rd Army troops have the task of halting the advance of "the Western forces", of inflicting defeat on the enemy striking group, of going over to the offensive without delay, of carrying the military operations over to the territory of "the Western forces", and of completing their destruction there. The line of deployment of the main forces of the army for going over to the offensive is Jarmen, Neubrandenburg, Oranienburg.
- 3) The tasks of the battalion:
 - to cover the deployment of the troops of the army for the offensive, to be ready with one battery from temporary positions, to destroy the means of atomic attack and other important enemy objectives:
 - to prepare for the disruption of the operation of the Schwerin Railway Station (Target No.48), the port of Hamburg (Target No.49), and the Uelzen Railway Station (Target No.55).

Time to be ready for opening fire - 16.00 on 18 July.

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-4-

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2. Part of the 1st Section of the 8th Geodetic Detachment (three instruments) is being attached to the battalion by the end of 19 July. The group commander with personnel and instruments will be at the disposal of the 1st Battalion by 4.30 on 17 July. The preparation of the special charges and assembly of the nose cones of 8K11 missiles for the battalion devolves on the Mobile Repair-Technical Base (PRTB).

3. For carrying out the tasks during the course of the operation, ten 8K11 missiles and sixty 8A61 missiles are issued to the battalion from the morning of 18 July to 23 July, and also special fuel for 76 missiles. Times of arrival (postupleniye) of the special warheads at the Mobile Repair-Technical Base:

8.00 17 July - two charges of 30 kt

19.00 17 July - two charges of 60 kt and
one charge of 40 kt

6.00 18 July - one charge of 100 kt and
one charge of 200 kt

5.00 19 July - one charge of 80 kt

14.00 20 July - one charge of 150 kt

21.00 21 July - one charge of 100 kt

4. The siting area (pozitsionnyy rayon) of the battalion - (environs) (isk) Schoenhausen, (env.) Torgelow, (env.) Pasewalk.

5. During the course of the offensive it is planned for the battalion to move twice: first move to the area (env.) Pritzwalk, Garz, (env.) Blumenthal ready to fire from this area with the movement of troops to the line Ludwigslust, Bismarck, and the second move to the area (env.) Melbeck, Wriedel, Bevensen ready to fire with the movement of troops

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to the line (env.) Hamburg, Soltau, Celle. For increasing the depth of destruction of enemy objectives with 8K11 missiles and for assuring continuity of support of the troops of the army provision is to be made for the move of one launch (startovaya) battery with two 8K11 missiles to the areas southeast of Strelitz (ready to deliver fire at the time of the movement of troops to the line Teterow, Wittstock, Rhinow) and northwest of Lenzen; ready for delivering fire at the time of the movement of troops to the line Luebeck, Boizenburg, Wittingen.

Route of movement - Strasburg, Strelitz, Wittstock, Dannenwalde.

6. The supply of the battalion with special armament is organized in the initial position from Stobno Station (8 kms southwest of Szczecin) during the course of the offensive - from Buschhof Station (10 kms southwest of Mirow) and from Carwitz Station (5 kms West of Dannenberg). Supplying with special fuel in the initial position - from Dobra Station (13 kms northwest of Szczecin) during the course of the offensive - from the special fuel section (OSG) dumps in the area of Wallitz (6 kms south of Zechlin and Sallahn (10 kms south of Dannenberg). The plan for bringing up transport and the times for receiving special armament and special fuel will be communicated to the battalion by the end of 17 July (k iskhodu 17.7).

7. Antiaircraft artillery and fighter aircraft cover for the battalion in the concentration area, on the march, and in siting areas is provided in accordance with the plan of PVO of the troops of the army.

8. Signals of the danger of air attack ("Vozdukh") and of the danger of atomic attack ("Shtorm") are transmitted on the 3rd Army warning network on wavelength....

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-6-

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[Redacted]

9. The command post of the 3rd Army from 4.00
17 July is on Hill 102 (12 kms south of Menz).

III

1. The PRTB is deployed in the woods 5 kms southwest
of Torgelow and is ready for checking and assembly of
special charges and nose cones for the 8K11 missiles.

2. A catalogue of points of the state geodetic
network in the siting areas allotted to the battalion,
is sent to the battalion headquarters with the group
commander of the 1st Section of the 8th Geodetic
Detachment.

To be carried out: The commander of the 1st
battalion is to prepare an order by 5.00 for the
deployment of the battalion and for preparing to
carry out the combat task.

Director of the exercise _____
rank, signature

Chief of the Directing Staff _____
rank, signature

Plan for Carrying out the Exercise

In the recommended variant for working out the
tactical exercise a graphic plan is given for conducting
the exercise. In order to curtail the accompanying
plan, several questions are not given in detail (The
plan of the organization of the commandant's service,

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the scheme of neutral communications, the list of equipment allotted to the command of the directing staff, and others).

The directing staff working out the exercise must have attached to the plan examples and the complete contents of all combat and introductory documents handed to participants in the exercise, with an indication of the nature of actions of enemy and friendly troops, designation, extent, and nature of operations for the neutralization of objectives, and also the procedure for determining the effects of the fire of the unit (large unit).

The contents of the introductory documents and the possible solutions in our version are given briefly, in order to show their main substance or the concept of the solution. Only the list of umpires and organizational instructions is taken out from the attachments.

1. The List of Umpires on the Exercise

The umpire attached to the battalion commander -
Commander of the 2nd Engineer Battalion.

The umpire attached to the battalion headquarters -
Chief of Staff of the 3rd Engineer Battalion.

The umpire attached to the service of special
armament - Deputy Commander of the 2nd Engineer
Battalion for Special Armament.

Umpires attached to battery commanders:

1st Launch Battery - the Commander of the 2nd
Launch Battery of the 2nd Battalion;

2nd Launch Battery - the Commander of the 3rd
Launch Battery of the 2nd Battalion;

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-8-

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3rd Launch Battery - the Commander of the 3rd Launch Battery of the 3rd Battalion;

The Technical Battery - the Commander of the Technical Battery of the 3rd Battalion;

The Transport and Fueling Battery - the Commander of the Transport Battery of the 2nd Battalion.

The umpire attached to the Data Computing Section (otdeleniye podgotovki dannykh) (OPD) - the Chief (nachalnik) of the OPD of the 2nd Battalion.

The umpire attached to the Mobile Artillery-Meteorological Station (PAMS) - the Chief of the PAMS of the 3rd Battalion.

The umpire attached to the Geodetic Support Platoon - the Engineer-Geodesist of the 3rd Battalion.

Reserve: The Deputy Chief of Staff of the 2nd Battalion, the Commander of the 1st Launch Battery of the 3rd Battalion, the Assistant Deputy Commander of the 3rd Battalion for Special Armament (used on the march at control points).

For keeping records in the period from 2.00 on 18 July to 10.00 on 19 July, section chiefs (nachalnik) and battery officers of the 2nd and 3rd Battalions are detailed to help the umpires attached to commanders of batteries, according to the list of the assistant director (rukovoditel) for special armament.

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2. Organizational Instructions for
Carrying out the Exercise

The battalion exercise is to begin with plac'ng the battalion on the alert. The tactical task is to be delivered to the battalion commander in the assembly area at 3.30 on 17 July.

The battalion commander's decision and order are to be heard at 5.00 on 17 July.

Approximate (oriyentirovochnyy) time of departure of the reconnoitering (rekognostsirovochnyy) group is 6.00 - 6.30 on 17 July. The time of departure of the battalion from the concentration area for occupying the siting area is 20.30 on 17 July.

An excerpt from the plan for bringing up the echelons and data on the time of issue of special fuel are to be handed to the battalion commander at 20.00 on 17 July. The tasks of the battalion for the artillery preparation of the offensive, in the form of battle orders of the artillery headquarters of the 3rd Army, attaching the launch table (grafik puska) are to be communicated at 19.30 on 18 July.

The remaining tasks to be communicated: unscheduled - by radio in code, scheduled - by army artillery staff officer.

Battalion actions to be carried out in the three siting areas: northwest of Pasewalk, southeast of Strelitz, south of Pritzwalk.

Operational time from 17 July to 12.00 on 21 July..

From 12.00 on 21 July to 15.00 on 22 July exercise problems are to be worked out from the last occupied position, without moving the battalion.

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End of exercise - 15.30 on 22 July.

Return to the dispersal area - toward the end of
23 July.

Exercise critique - 17.00 on 24 July.

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-11-

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- Duration of the exercise
 - beginning 2.00 17 July
 - end 15.30 22 July
 Critique of the exercise 17.00-19 (?)
- Training purposes of the exercise:
 - to test the "ford missing" of the battalion and its sub-units in readiness for combat action in the initial phase of war
 - to train the personnel of the battalion in actions when executing a march, deployment in battle formation and when preparing to fire in short periods of time.
 - to perfect the skill of commanders of the battalion and sub-units in the control of sub-units on the march, in deployment into battle formation and when preparing to fire in short periods of time.
 - to perfect the skill of battalion staff officers in controlling the battalion during the course of carrying out a combat task.

PHASE 1. THE MARCH AND DEPLOYMENT OF THE BATTALION

Time		Training Problems	Documents handed over (contents of introductory documents)	Fire tasks and expenditure of missiles	Actions of the participants	
Sideral	Operational				of the Director and Deputy	of the participants
2.00	-	1. The movement of the battalion to assembly area 2. Reconnoitering and preparing the route and the sitting area.	Declaration of an alert Tactical task			They lead the sub-units out into the assembly area. They take a decision and send out reconnoitering groups. After reconnoitering they return to the concentration area.
17.7						
2.30						
17.7						
15.00	16.00					
15.7	15.7					

[Redacted]

They control sub-units on the march and on deployment. They organize and carry out technical preparation of missiles for firing. They bring up missiles and special fuel from the unloading station. One launching battery occupies a base firing area. The others - the main sitting area. They plan the battle actions of the battalion, pass on the tasks to subordinates, and supervise the preparation of sub-units for carrying out battle tasks.

They check readiness of sub-units for the march, their actions on the march, and on deployment. They examine the technical and launch batteries.

They hand over battle documents. They check the work of the staff and pass on tasks to subordinates.

In readiness on targets Nos. 18, 19, and 55

tactical task, catalogue of 263 geodetic points.

Extract from the plan of bringing up echelons and times of issue of special fuel. Army artillery headquarters battle orders with tables of launchings.

3. The march of the battalion and taking up of battle formation

4. Planning the battle employment of the battalion
a) The planning of topographic and meteorological support, reconnoitering, and march of the battalion.
b) Planning the bringing up of special armament and special fuel, preparation of missiles for firing.
c) Planning battalion fire.

20.30
17.7
16.00
18.7

5.00
17.7

20.00
17.7

19.30
18.7

20.30
17.7
16.00
18.7

5.00
17.7

20.00
17.7

19.30
18.7

[Redacted]

[Redacted]

PHASE II. FIRE AND MANEUVER CONTROL OF THE BATTALION IN DEFENSE... 3rd ARMY TROOPS AND CARRYING OUT THE IMMEDIATE TASK

Time		Training Problems	Documents handed over (contents of introductory documents)	Fire tasks and expenditure of missiles	Actions	
Sidereal	Operational				of the Director and Empire	of the participants
17.30 23.10 18.6 (sic)	17.30 23.10 18.6 (sic)	1. Fire control of the battalion on deployment of 3rd Army troops 2. Fire control of the battalion in carrying out the immediate tasks	Orders of the commander of army artillery (by radio on the destruction of targets (at 17.30, target No. 40, at 23.10 No. 45)	Target No. 40 - 30 Kt Target No. 45 - 40 Kt	They formulate and transmit orders.	They organize the preparation of fire of launch batteries from temporary positions and report on readiness.
18.30 19.7	18.30 19.7	a) In the period of artillery preparation of the offensive and during the course of the operation (scheduled tasks); b) Destruction of unscheduled targets - unloading stations. c) Destruction of the means of atomic attack.	Order of the commander of army artillery (delivered earlier - at 19.30 on 18.7)	Target No. 51 - 87 Kt (100 Kt) Target No. 52 - 87 Kt (60 Kt) Target No. 53 - 87 Kt (15 items) Target No. 100 - 87 Kt (4 items)	They check the readiness of the battalion for delivering fire from priority positions. They transmit orders.	They organize the maneuver of the launch batteries from temporary to priority positions and reassignment of the battalion for carrying out tasks. They report on readiness. They determine, in detail, the tasks of the launch batteries and plan the destruction of Target No. 100. They call upon the launch battery that has word for destruction of the target.
19.00 19.7	19.00 19.7	a) Destruction of the means of atomic attack.	Order by radio.	Target No. 101 - 87 Kt (40 Kt)	They transmit orders.	They organize reconnoitering and preparation of area No. 2, move forward from 20.30 19.7 one launch battery, with 87 Kt missiles to area No. 2, and check its readiness.
20.00 20.7	20.00 20.7	3. Control of the maneuver of the battalion; a) The move of one launch battery	Introductory document on the position of 3rd Army troops.			
21.00 21.7	21.00 21.7					

<p>12 20.7</p>	<p>13.00 20.7</p>	<p>b) The move of the main bulk of the battalion.</p>	<p>Introductory document on the position of 3rd Army troops and of the enemy.</p>	<p>Director of the Technical Exercise Commander of the Engineer Brigade</p> <p>Chief of Staff of the Exercise</p>	<p>11. relation to area No. 3). They check the move of the battalion and its readiness for launching at 8.00 ZL7.</p> <hr/> <p>(rank, signature)</p> <hr/> <p>(rank, signature)</p>	<p>They organise reconnoitering and preparation of area No. 3 from 20.30, and move the battalion to area No. 3).</p>
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PHASE III. FIRE AND MANEUVER CONTROL OF THE BATTALION IN THE CARRYING OUT OF THE FOLLOWING TASK BY TROOPS OF THE 3rd ARMY

Time		Training Problems	Documents handed over (contents of introductory documents)	Fire tasks and expenditure of missiles	Actions	
Sideral	Operational				of the Director and Deputies	of the participants
5.00 21.7	5.00 21.7	1. Fire control of the battalion: a) Carrying out of scheduled tasks: neutralisation of the port and unloading station. b) Carrying out of unscheduled tasks: the destruction of the special ammunition dumps	The battle order of the commander of army artillery. Readiness for delivery of fire, 8.00 on 21.7.	Target No. 65- 8461 (12 items) Target No. 66- 8461 (12 items) in readiness on Targets Nos. 67, 69, 70	They despatch the battle order. They check the deployment of the battalion in area No. 3 and its preparation for carrying out tasks.	They organize the preparation of the battalion in area No. 3. They plan delivery of fire on Targets Nos. 65 and 66 and the preparation of missiles. They report on readiness to carry out tasks.
22.00 21.7	22.00 21.7	neutralisation of the port; the destruction of reserves.	The order of the commander of army artillery (by radio) Reserve ammunition. Order of the commander of army artillery (include Target No. 66 from tasks of the independent engineer battalion (OAB). Order	Target No. 102 - 8411 (150 kt)	They transmit the order, check <u>(one line missing)</u>	They specify, in detail, the order of fire according to plan <u>(one line missing)</u>
3.00 22.7	3.00 22.7	the destruction of reserves.	Order of the commander of army artillery (include Target No. 66 from tasks of the independent engineer battalion (OAB). Order	Target No. 67 - 8461 (15 items)		Target No. 102 with one launch battery. They exclude Target No. 66 from the tasks of the battalion. They plan and organize destruction of Target No. 67. They specify the details of firing procedure, on Targets Nos. 65 and 67. They organize the preparation of two launch batteries for the destruction of Target No. 102.
10.00 22.7	8.00 23.7			Target No. 103- 8411 (40 and 100 kt)		
13.00 22.7	12.00 23.7	2. Control of maneuver of the battalion: organization and move of the battalion to area No. 5	Battle order of the commander of army artillery.		They despatch battle orders with instruction for 3rd Army to go over to the pursuit and for the move of the battalion to area No. 5 with readiness, by 7.00 on 24.7	They plan and organize reconnoitering and preparation of area No. 5, and also set the sub-units ready for the march.

-16-

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They organize the march of the
battalion to the dispersal area.

They read the introductory
document and check the prepa-
ration of the battalion for
the march.

Introductory
document on the
cessation of enemy
resistance and
concentration of
the battalion in the
dispersal area.

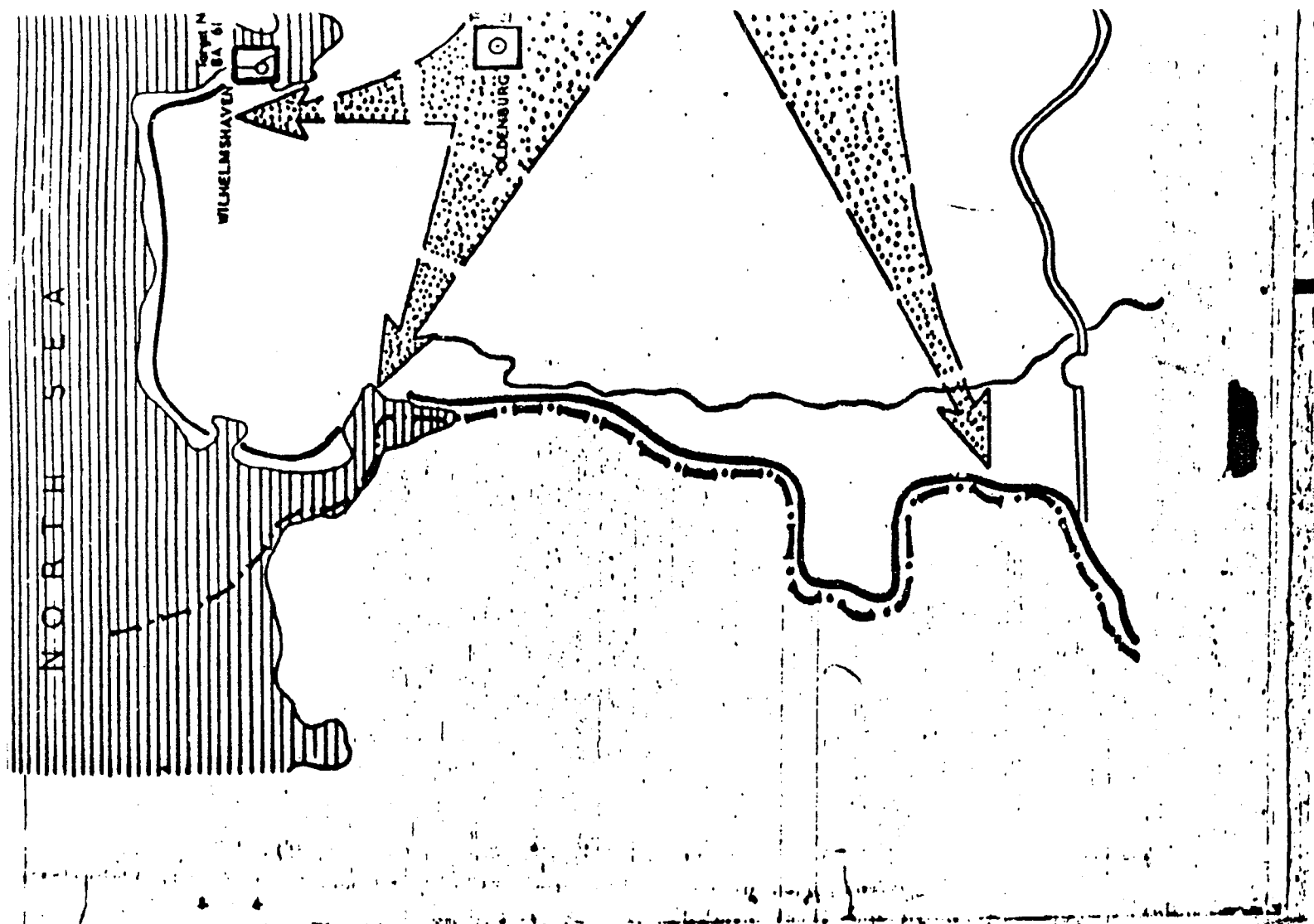
Cease fire

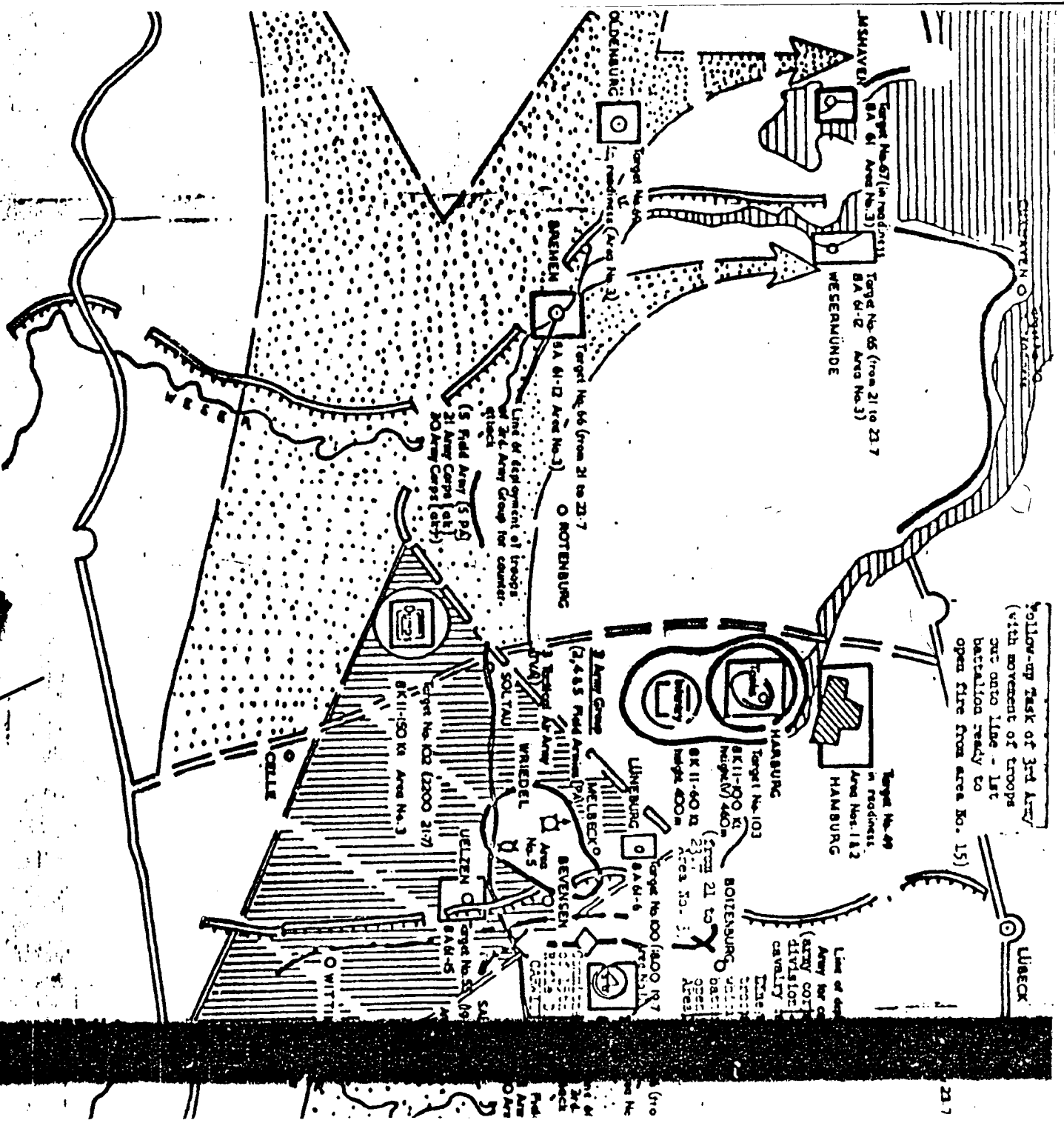
20.00

15.30

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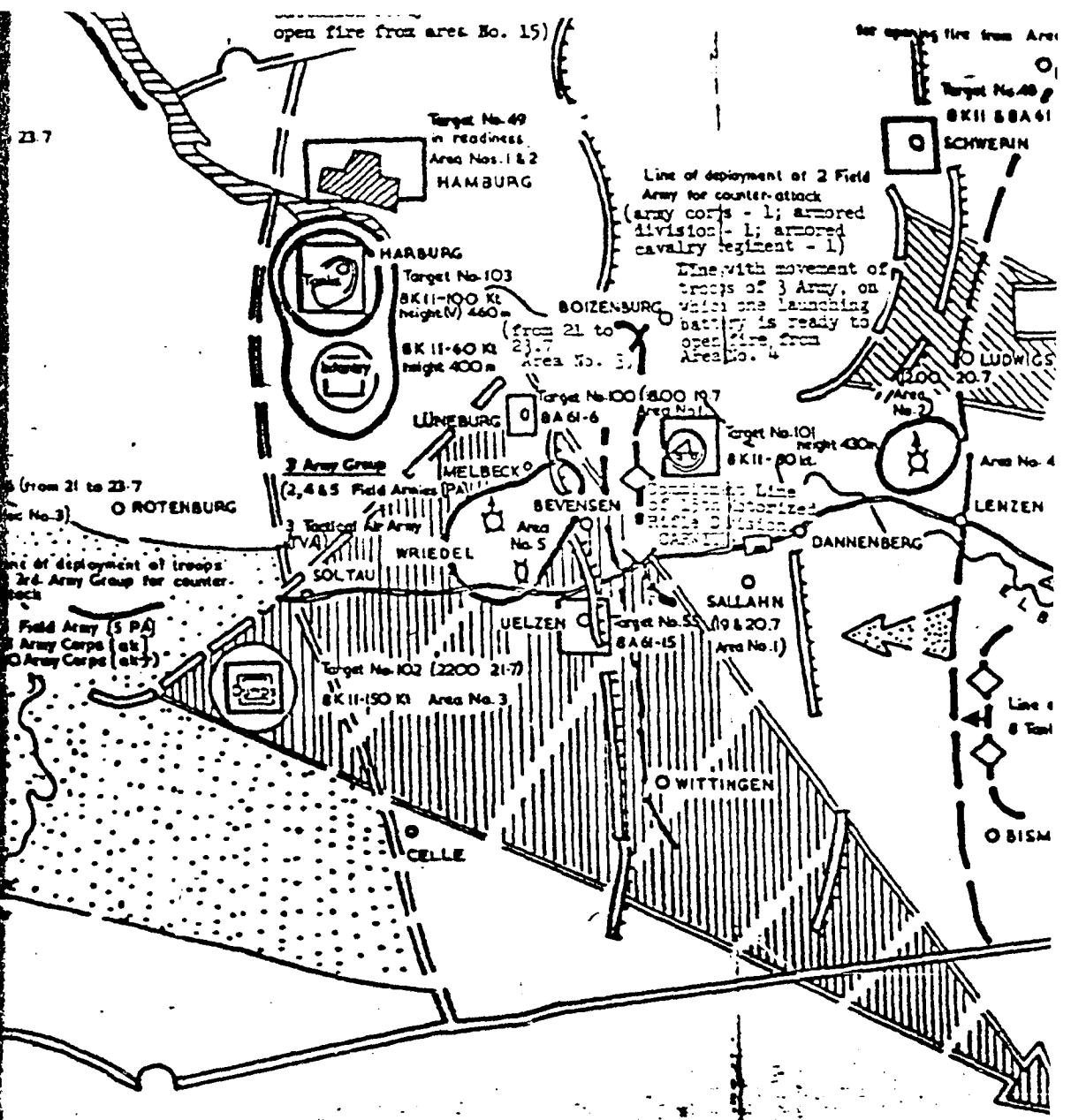




Following task of 3rd Army
 (with movement of troops
 out onto line - 1st
 battalion ready to
 open fire from area No. 15)

Lineck

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23.7

open fire from area No. 15)

Target No. 49
in readiness
Area Nos. 1 & 2
HAMBURG

Line of deployment of 2 Field
Army for counter-attack
(army corps - 1; armored
division - 1; armored
cavalry regiment - 1)

Line with movement of
troops of 3 Army, on
which one launching
battery is ready to
open fire from
Area No. 4

HARBURG
Target No. 103
BK II-100 KI
height (M) 460 m
BOIZENBURG
BK II-60 KI
height 400 m

(from 21 to 23.7)
Area No. 3

Target No. 100 (800 107)
Area No. 1
LÜNEBURG
BA 61-6

Target No. 101
height 400 m
BK II-80 KI

(from 21 to 23.7)
Area No. 3
ROTENBURG

3 Army Group
(2, 4 & 5 Field Armies (PA))

Tactical Air Army
(VA)

Line
of troops authorized
to cross
border

Line of deployment of troops
of 2nd Army Group for counter-
attack

Field Army (5 PA)
3 Army Corps (ak)
3 Army Corps (ak-7)

WRIEDEL
Area No. 5

BEVENSEN

DANNENBERG

Area No. 4

LENZEN

SOLTAU

UELZEN

Target No. 55 (19 & 20.7)
Area No. 1
BA 61-15

Target No. 102 (2200 21-7)
Area No. 3
BK II-150 KI

WITTINGEN

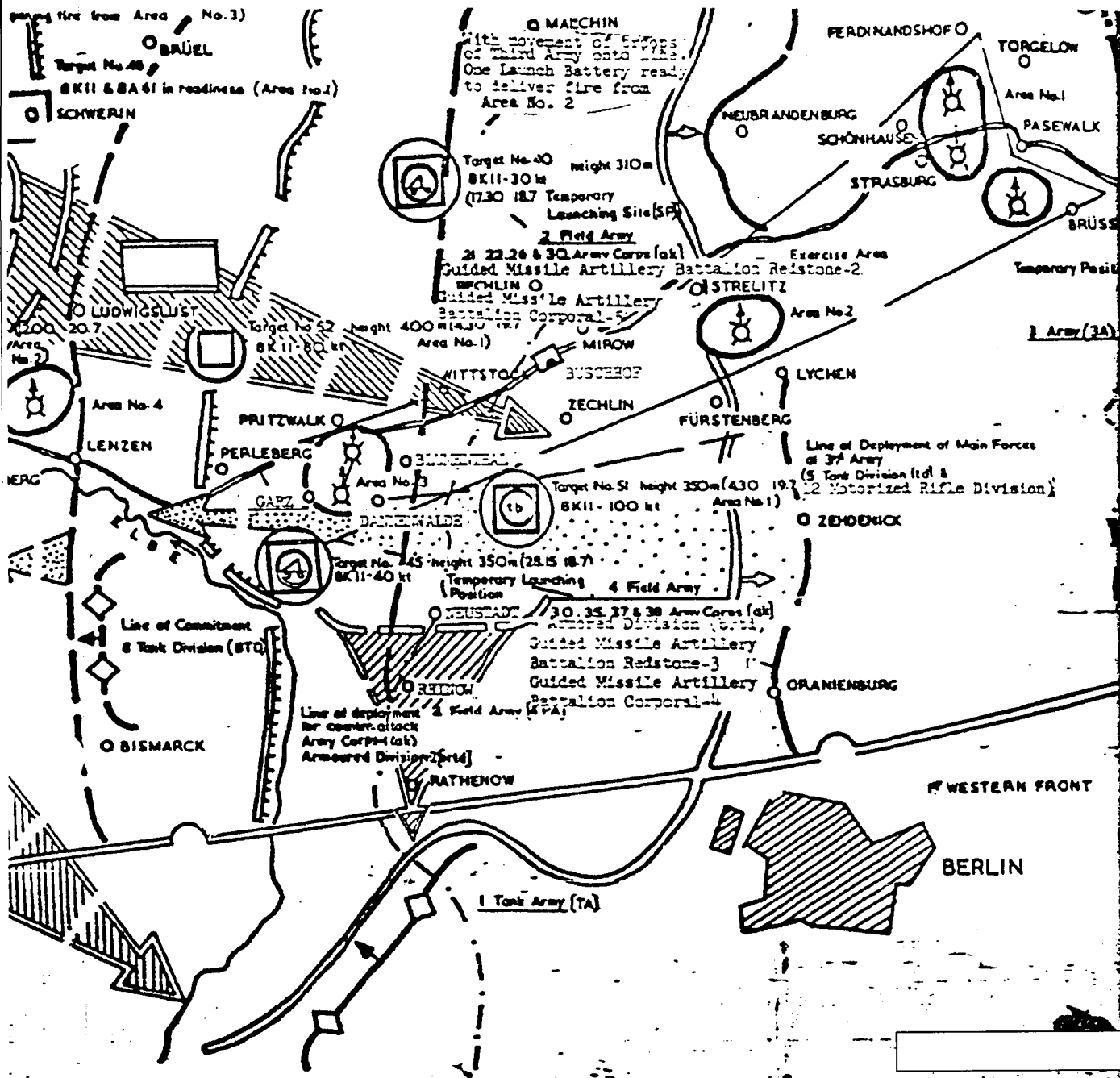
CELLE

Line 1
& 2

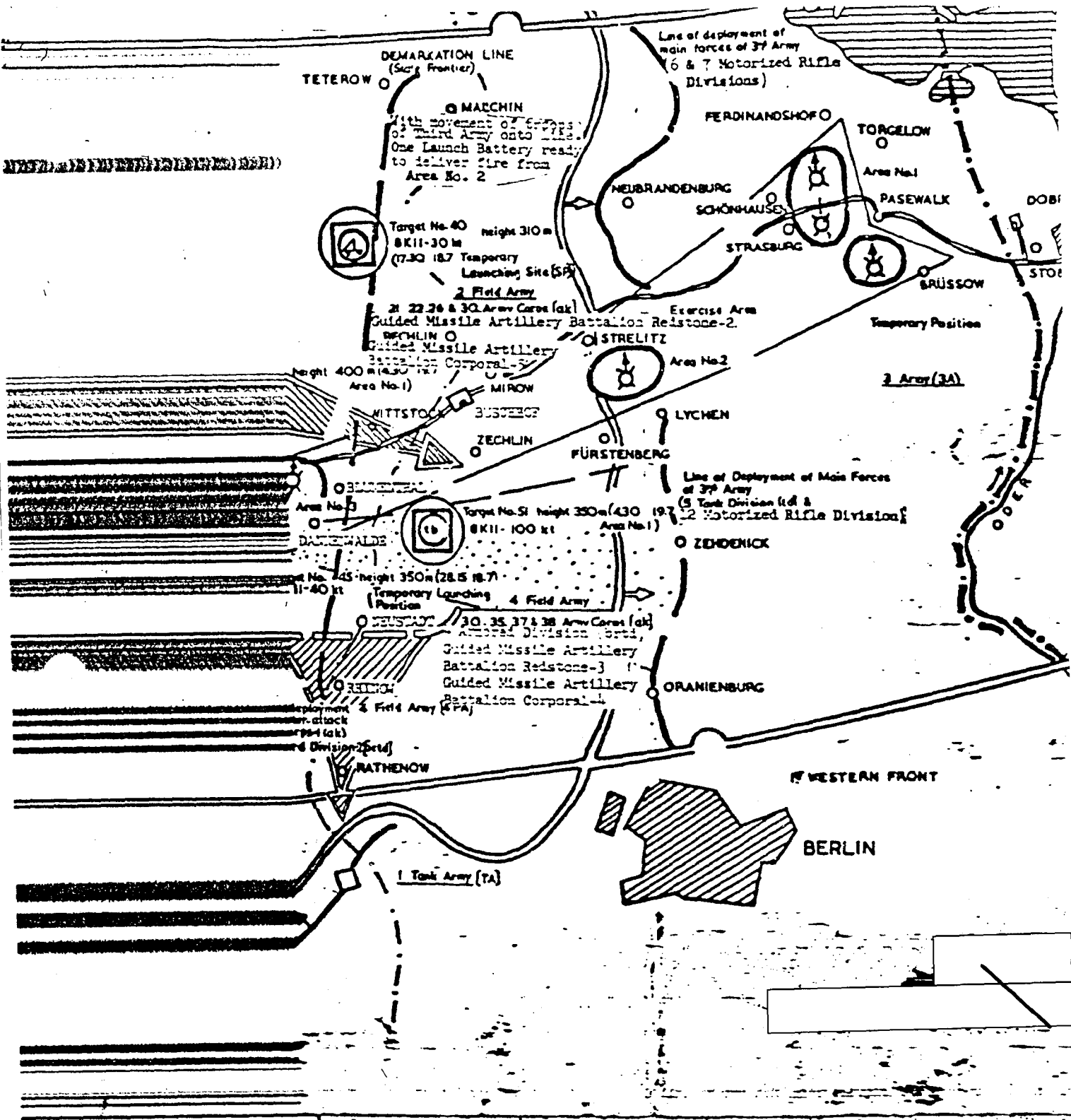
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SKETCH 4



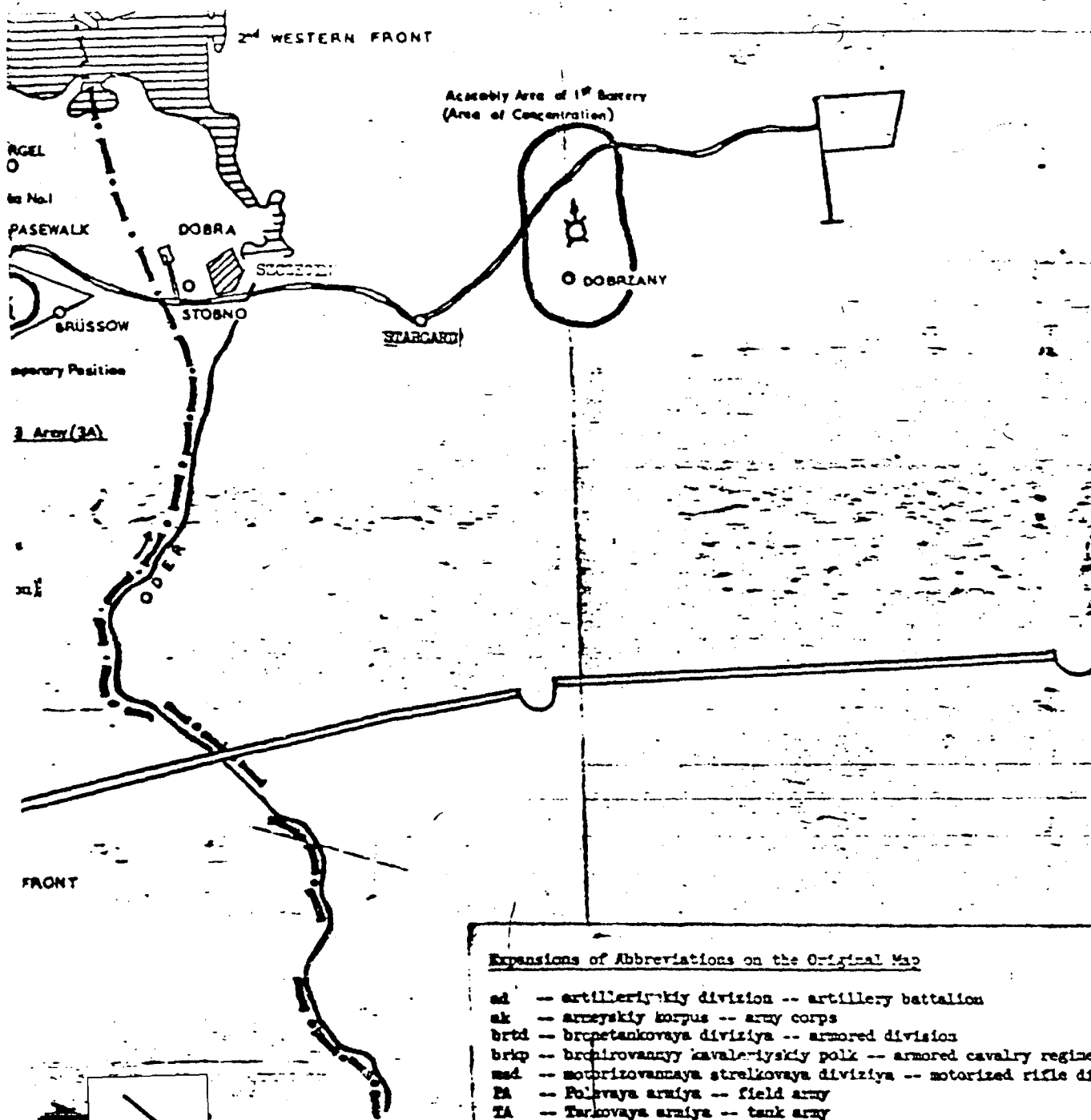
(Soviet Forces in the Berlin Sector)

Area No. 1
 Area No. 2
 Area No. 3

Deployment of 4 Field Army (3A)
 Tank attack
 30-4 (ak)
 4 Division (2 Field)

1 Tank Army (TA)

WESTERN FRONT



Expansions of Abbreviations on the Original Map

- ad -- artilleriyskiy divizion -- artillery battalion
- ak -- armyskiy korpus -- army corps
- brtd -- bronetankovaya diviziya -- armored division
- brkp -- bronirovanny kavaleryiski polk -- armored cavalry regiment
- md -- motorizovannaya strelkovaya diviziya -- motorized rifle division
- FA -- Polkovaya armiya -- field army
- TA -- Tankovaya armiya -- tank army
- tb -- tankovaya brigada -- tank brigade
- td -- tankovaya diviziya -- tank division
- TVA -- Takicheskaya vozdushnaya armiya -- tactical air army
- URS -- Upravlyayemyy reaktivnyy snaryad -- guided missile
- Trs N -- Trs. nomer -- target number
- V -- vysoata -- height (elevation)