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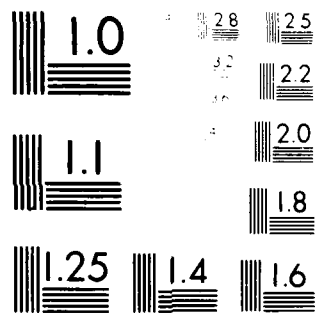
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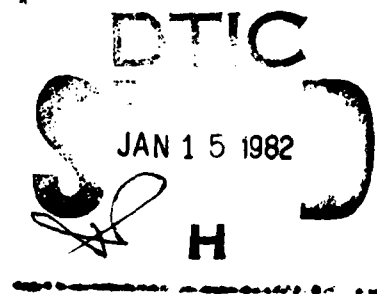
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**INTEGRATED NUCLEAR CONSIDERATIONS:
C&GSC PRE-COMMAND COURSE
INSTRUCTIONAL MATERIAL**

AD A109643

T. L. Raney
R. H. Smiley
JAYCOR
205 South Whiting Street
Alexandria, Virginia 22304

21 November 1980



Final Report for Period 15 September 1980—31 October 1980

CONTRACT No. DNA 001-80-C-0243

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This practical exercise pits a notional US brigade against a threat division comprised of two motorized rifle and two tank regiments, on West German terrain. It is designed specifically to provide an 8-10 hour block of instruction to the C&GSC's Pre-Command Course on integrated battlefield operations. It requires the student to become aware of the effects of nuclear weapons on the battlefield (to include terrain alteration from use), to plan nuclear fires in coordination with the plan of defense and to plan the reorganization and defense after a threat use of nuclear weapons.		

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TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1 GENERAL SITUATION.....	3
2 SPECIAL SITUATION.....	4
3 REQUIREMENT.....	9
4 REQUIREMENT.....	17
5 INTELLIGENCE SITUATION AS OF -- AUGUST -- (D-DAY).....	18
6 SOLUTION TO FIRST REQUIREMENT.....	21
7 FRAG ORDER.....	25

LIST OF ILLUSTRATIONS

<u>Figure</u>	<u>Page</u>
1 Intelligence Situation Overlay.....	19
2 Friendly Situation Overlay.....	20
3 Terrain Alternation by Threat Weapons Overlay.....	23
4 Reorganization of Battle Positions Overlay.....	24
5 Nuclear Support Plan Overlay.....	28
6 Chemical Support Plan Overlay.....	29

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1. GENERAL SITUATION.

Under circumstances of increasing international tension, NATO units subordinate to Allied Forces Central Europe (AFCENT) occupied their General Defense Plan (GDP) positions on _____ Aug 80. Two days later, at 0530A, Threat forces launched an attack across the entire AFCENT front. The 23d Armored Division's covering force, organized as stated in OPORD 6 and supported by ground attack and fighter aircraft of the 4th Allied Tactical Air Force (4 ATAF), engaged the lead elements of the 24th CAA as they crossed the Inter-German border. The 201st ACR was opposed by two MRDs with five regiments in the first echelon and three in the second. The third MRD, with two regiments in the first echelon, attacked TFs 1-22 and 1-93 in the northern portion of the division sector. By noon on D-Day, the lead elements of two first echelon MRRs were approaching EITERFELD (NB5623). Units of the 201st ACR, supported by division artillery and 70th FA bde, attack helicopters and tactical air engaged the threat forces in the open terrain east of EITERFELD, and a major battle took place. The lead battalions of the two MRRs took heavy casualties and lost much of their equipment. As the threat committed all battalions of his two leading MRRs, the 201st ACR units, now at about 50% of their original combat effectiveness, disengaged and conducted a delaying action to the west bank of the HAUNE River occupying previously reconnoitered (and partially prepared) positions by around 1600. After a brief pause, Threat forces attacked across the HAUNE generally between RHINA (NB4823) and ODENSACHSEN (NB5027) supported by heavy artillery fire and by ground attack aircraft, which were promptly engaged and diverted by 4 ATAF fighters. Although the threat used smoke to attempt to conceal his forces as they crossed the open terrain in the HAUNE valley, there was sufficient wind out of the southwest to dissipate the smoke, revealing excellent targets to direct fire from the 201st's tanks in position overlooking the HAUNE. A number of Threat armored vehicles became mired in the marshy ground in the valley east of the river; these were promptly destroyed. 23d Armored Division artillery and attack helicopters also engaged the threat forces along the HAUNE. Division ordered the 201st ACR to withdraw from the river line before becoming decisively engaged and to delay back to PL SABER and then to withdraw through the FEBA and occupy designated assembly areas. Assisted by scouts from 2d Brigade MBA units, the elements of the 201st ACR completed their passage through PL SABER by 1800 on D-Day (H+13:30). At PL SABER, the 2d Brigade's TF 1-12 took up the delaying action after passage of the 201st and in turn withdrew west of the FULDA.

Their withdrawal was completed, and bridges over the river were blown by 2015 hours. Threat forces' tanks and infantry did not attempt to close with 2d Bde elements during their withdrawal; however, moderate fire from 120mm mortars and artillery of mixed calibers was directed at the bridges and their approaches and exits. All 2d Bde units had closed in their designated positions by 2130 at which time all brigade elements went under radio listening silence to include supporting and OPCON units. The 2d Bde plus TF 1-11 (division reserve) is disposed as shown on Map (Overlay ____). Prepared defensive positions in TF 1-12 area along the FULDA are occupied by no more than platoon strength until FULDA crossings by Threat forces are imminent.

2. SPECIAL SITUATION.

a. Shortly after the 2d Bde's units completed their withdrawal west of the FULDA, several three- to five-man Threat patrols operating in the FULDA valley east and southeast of NIEDERJOSSA were detected by OPs/LPs/GSRs of TF 1-12. One such patrol was taken under fire as it was attempting to cross the railroad vicinity NB417259. No significant Threat activity or presence could be detected along the high ground immediately east of the FULDA in the brigades sector, although 120mm mortars could be heard firing from positions immediately behind the ridge line. Division artillery fired a number of countermortar and counterbattery missions at the suspected 120mm positions and at 122mm and 152mm positions farther to the rear (east). Division and 2nd Brigade target acquisition and surveillance assets were focused on Threat forces east of the FEBA with emphasis on detecting the forward movement of elements of his second echelon.

b. Between 0300 and 0315 on D+1 (H+19:30), four nuclear bursts occurred in the 2d Brigade sector. The location of the ground zeros and the estimated yields of the weapons, believed to have been delivered by FROG, are shown below:

<u>Burst No</u>	<u>GZ</u>	<u>YIELD(EST)</u>	<u>Unit(s) Affected</u>
1	NB349307	10KT	Tactical CP, 2d Brigade
2	NB403284	10KT	Btry A, 1/51 FA and Company B, TF 1-12
3	NB380234	20KT	TF 1-10 CP and Tm B 1-92 (TF 1-10)
4	NB309180	20KT	Tm C 1-93 (TF 1-11)

C. By 0330, Aug (D+1), the following preliminary assessment of casualties and damage to units in the 2d Bde sector had been made:

(1) TF 1-92 (A/1-92 and B/1-10)

- (a) Team A (NB435295): No casualties or damage.
- (b) Team B (NB395308): Six personnel with 3d degree burns - evacuated.
- (c) Ct Spt Co (NB423297): No casualties or damage.
- (d) Combat Trains (NB365304): Twenty personnel subjected to moderate radiation doses (150-650 rad). No equipment damage.
- (e) Field Trains (NB315307): No casualties or damage.
- (f) CP (NB385298): No casualties or damage.

(2) TF 1-12 (1-12 plus C/1-92).

- (a) Team A (NB382283): Three personnel with 2d degree burns - treated locally. No equipment damage.
- (b) Co B (NB415275): Two tank platoons ineffective (Personnel received moderate to incapacitating doses of radiation.)
- (c) Co C (NB410260): No casualties or damage.
- (d) Team C (NB375255): Six personnel with 3d degree burns - evacuated. Ten personnel with 2d degree burns - treated locally. No equipment damage.
- (e) Cbt Spt Co (NB393265): Five personnel with 1st or 2d degree burns - two evacuated. No equipment damage.
- (f) Combat Trains (NB387261): No casualties or damage.
- (g) Field Trains (NB314263): No casualties or damage.
- (h) CP (NB357271): No casualties.

(3) TF 1-10 (1-10 minus one company plus B/1-92).

- (a) Team A (NB400233): Several minor burns - treated locally. No equipment damage.

Co Trains (NB373240): No known survivors. Extensive equipment damage.

(b) Team B (NB373233): No known survivors.

Co Trains (Colocated with Bn Combat trains at NB354230): No casualties or damage.

(c) Co C (NB360242): Four personnel with 3d degree burns - evacuated. Six personnel with 2d degree burns treated locally. No equipment damage.

(d) Cbt Spt Co (NB387241): No known survivors. Extensive equipment damage.

(e) Combat Trains (NB354230): No casualties or damage.

(f) Field Trains (NB320233): No casualties or damage.

(g) CP (NB376230): No known survivors. All equipment destroyed.

(4) 2d Bde Tac CP (NB349305): No known survivors except the brigade commander who was at the CP of TF 1-12. All equipment destroyed.

(5) Bde Main CP (NB324245): No casualties or damage.

(6) Bde Field Trains (NB233239): No casualties or damage.

(7) Division Reserve, TF 1-11 (1-11 minus 1 Co plus 1 Co 1-93).

(a) Team A (NB315218): No casualties or damage.

(b) Team B (NB288197): Several personnel with 1st and 2d degree burns - treated locally. No equipment damage.

(c) Team C (NB310185): No known survivors. Extensive equipment damage.

(d) Cmbt Spt Co (NB305204): No casualties or damage.

(e) Field Trains (NB275204): No casualties or damage.

(f) Main CP (NB328181): No casualties or damage.

(8) Division Artillery: Battery A, 1-51 FA (NB403284): No known survivors; extensive equipment damage.

(d) Recapitulation of status of units in 2d Bde sector:

- (1) TF 1-92: Fully operational.
26 casualties.
No major equipment damage.
- (2) TF 1-12: Operational.
2 tank platoons of Company B ineffective, plus
8 other casualties;
no other major equipment damage.
- (3) TF 1-10: Non-operational as a battalion task force.
Team B (B/1-92 Mech (-)(+)): No surviving personnel or
equipment except company trains.
Company trains, Team A (A/1-10 (-)(+)): No surviving per-
sonnel or equipment.
Cbt Spt Co annihilated.
CP annihilated.
Co C, Bde Res, operational (4 casualties).
- (4) Bde Tac CP: All personnel KIA; all equipment destroyed.
- (5) Bde Main CP: Fully operational.
- (6) Division Reserve: Operational, less one company team which was
annihilated.
- (7) Artillery.
 - (a) 1-51: Operational, less Btry A (NB403284) which was annihilated.
 - (b) 2-632: Fully Operational.
 - (c) 2-607: Fully Operational.

e. Immediately after the four nuclear bursts, at about 0320, the posi-
tion occupied by Team A of TF 1-92 vicinity NB435288 received a chemical attack,
believed to be sarin (GB), delivered by 40 to 50 rounds of medium artillery esti-
mated to be 152mm. The concentration which lasted approximately two minutes
affected primarily the defensive position occupied by one platoon. Four men who

were asleep beside an APC and did not mask promptly were evacuated. There were no other casualties. (Mission-Oriented Protective Posture (MOPP) Level 3 had been in effect for all division personnel, including attached and OPCON units, from the time the division moved to its GDP positions. This means that each soldier was carrying his protective mask and wearing protective overgarment, body armor and gloves.)

f. At the same time, the firing battery positions of the following units were subjected to chemical attacks, believed to be sarin (GB) as indicated. Each concentration lasted approximately five minutes.

<u>Unit</u>	<u>Location (Center of battery)</u>	<u>No of rds (est)</u>	<u>Casualties</u>
B/1-51 (155mm)	NR376302	25	10
A/2-632 (155mm)	NB359254	18	6
C/2-607 (8-in)	NB347256	30	7

REQUIREMENT. It is now 0335, Aug (D+1).

As Commander, 2d Brigade:

1. What actions do you take to reorganize your brigade to enable it to continue to perform its defensive mission?
2. What request(s), if any, do you make to division for additional maneuver units, combat support and combat service support?

3. At 0300, the 2d Brigade liaison officer returned from the division CP with the following information and guidance.

a. From the G2:

(1) 1st and 3d Brigades' sectors also were struck by four to five nuclear weapons each; casualties and damage unknown at this time.

(2) 3d (GE) Corps received a chemical attack this afternoon; the chemical agent, believed to be GB, was delivered by several hundred rounds of rocket fire. The number of casualties is not yet known.

(3) 23d Armd Div continues to be opposed by the 24th CAA with three MRDs in the first echelon and a tank division, unlocated but apparently still to the east of the Inter-German border, in the second echelon. The 1st Bde is opposed by the ____ MRD, with two MRRs in its first echelon. Our 2d Bde is defending against the ____ MRD, also with two MRRs leading its attack. The 3d Bde is opposed by the ____ MRD, with three MRRs in its first echelon.

(4) The strong resistance offered by our covering forces, supported by fighter and ground attack aircraft of 4th ATAF, resulted in heavy losses of personnel and equipment in the first echelon regiments of the three MRDs and has badly upset the opposing forces' timetable. It is estimated that the seven first echelon regiments facing 23d Armd Div have all been reduced to approximate battalion equivalents. These factors undoubtedly led to the enemy's employment of nuclear and chemical weapons against our division. He now appears to be moving his second echelon regiments forward in time to exploit his first use of mass destruction weapons.

(5) Information obtained from our various surveillance and target acquisition means, and from air recce, indicates that the second echelon regiments of the three MRDs opposing the division are in the process of moving forward to attack positions. Opposite the 1st Brigade, elements of a TR have been sighted moving westward, with its lead battalion going into an assembly area vicinity NB605395. Opposite the 2d Bde an estimated motorized rifle battalion, reinforced with tanks, is moving into the woods vicinity NB499284, and an estimated tank

battalion is doing likewise vicinity NB493233. In front of the 3d Bde, a tank unit of unknown size is moving into the woods at NB500170. The foregoing, plus additional intelligence information, appears on an overlay which will be provided to brigade and Div Arty LNOs. (Overlay ___, Intelligence situation.)

(6) Based on the intelligence available to us, we estimate that the Threat will attack at first light () today to exploit his nuclear and chemical attacks with the seven battalions now in contact plus 13 fresh battalions of the three tank and one motorized rifle regiments of his current second echelon which are now moving into positions opposite our MBA. He is expected to support his attack with a heavy conventional artillery preparation and close air support, using smoke to screen his forces as they cross the open terrain in the FULDA RIVER valley.

(7) The enemy's main attack is expected in the 2d Bde's sector with ALSFELD(NB1922) as the ___ MRD's objective. Capture of ALSFELD would enable 24th CAA to commit its second echelon tank division into the HESSIAN CORRIDOR in the direction of FRANKFURT.

b. From the G-3:

(1) The division commander has directed the following changes in task organization effective immediately:

Division Artillery.

1-50 continues DS 1st Bde

1-51 (155) Continues DS 2d Bde

2-632 (155) Reinf 1/51

2-607 (8") GS/R 1/51

1-52 continues DS 3d Bde

2-606 (8") GS/R 1-52

1-53 (8") GS (no change)

70th FA Bde, Alt Div Arty TOC
23d TAB, GS

(2) Our mission remains unchanged. We are to continue to defend the MBA along the FULDA. We must disrupt the enemy's preparations to penetrate our MBA.

(3) Corps has urgently requested CENTAG to press for a favorable response to its (corps') previously submitted request for selective release which sought authority to fire a corps package of 25 nuclear weapons in response to an assumed Threat first use to breach the corps' forward defenses on the FULDA RIVER. Fourteen of these weapons will be fired by this division. The division commander has approved for planning purposes a breakdown of the 14 weapons as follows:

<u>Division</u>	<u>1KT SRC</u>	<u>2KT MRC</u>	<u>Totals</u>
1st Bde	2	2	4
2d Bde	3	4	7
3d Bde	<u>2</u>	<u>1</u>	<u>3</u>
	7	7	14

(a) Brigade commanders will select the targets for nuclear strike within their sectors of responsibility, and for execution by their supporting artillery except when directed otherwise. Target defeat criteria, troop safety and collateral damage constraints and Strike Warning procedures are as stated in the division SOP. Brigades will submit targets selected for nuclear attack to division for consolidation and deconfliction, if necessary. Additionally, 2d Bde may nominate targets for the two 2-KT weapons that division plans to fire in the 2d Bde sector.

(b) Additionally, corps expects that authority to employ chemical munitions, probably GB and HD, will be received momentarily. Adequate stocks of these weapons are being held by the COSCOM in the division support area. Brigades are to submit recommended targets for chemical attack by _____. Our use of chemicals

will be favored by the prevailing southwest wind, expected to continue for the next 24 hours.

(c) The division commander's guidance for our employment of nuclear and chemical weapons is as follows:

(1) Nuclear: Use nuclear weapons to strike the elements of the second echelon regiments which have moved into assembly areas opposite our FEBA as identified by the G2 and to hit nuclear delivery units and CPs which have been located.

(2) Chemical: Employ chemical fires to attack enemy forces crossing the FULDA River. Weight the chemical attack on the enemy opposing 2d Bde. Concentrate on the disruption of Threat communications and control by causing immediate casualties, forcing the Threat to assume a full protective posture, and causing confusion and disorganization at the crossing sites. Further disorganize and slow Threat units in assembly areas preparing to move across the Fulda.

(4) We will exploit the results of our nuclear and chemical fires with conventional artillery, CAS and attack helicopter strikes. Because of the obstacle of the FULDA RIVER in front of our MBA, we will not counterattack with maneuver units.

(d) Division has been allocated 40 CAS sorties for tomorrow. Allocation to brigades is as follows:

1st Bde	10
2d Bde	15
3d Bde	10

(e) The 23d Armd Div CFL has been established along the FULDA River as of 2400.

(f) Corps has designated the HAUNE RIVER as the FSCL effective as of 2200 yesterday (D-Day).

c. From the G4: Corps cargo helicopters have just completed an airlift of chemical ammunition to a temporary chemical ASP being operated by COSCOM at NB353253.

* * * * *

(2) For Div Arty and 2d Bde, have the following battalions send sufficient ammunition trucks to this ASP to pick up the indicated number and type of chemical rounds:

- (a) TF 1-92: 100 rds HD (107mm mortar)
- (b) 1-51 FA: 80 rds HD
325 rds GB
- (c) 2-632 FA: 150 rds HD
325 rds GB
- (d) 2-607 FA: 50 rds GB

* * * * *

d. From the G1: There are 200 replacements, about half with infantry MOS, the other half tank crewmen, in the AG Co. at division rear. As soon as we get a reasonably firm count on casualties, probably early tomorrow, we will make assignments.

* * * * *

e. The brigade executive officer thereupon directed the brigade staff, including the FSO, ALO and Cm10, and the commanders of B/23 Enqr Bn and C/23 Avn Bn, to be prepared to present their staff estimates and recommendations to the brigade commander at _____. He instructed the liaison officers of the brigade's task forces to brief their commanders on the situation and return to the brigade CP by () with the latest intelligence information gained from the TFs' OPs, LPs and sensors on enemy activity and dispositions and with the TF commanders' recommendations on targets for nuclear and chemical attack.

f. You are aware of the following:

(1) The division SOP specifies, for the employment of nuclear weapons:

(a) Target defeat criteria: Achieve at least 30 percent immediate transient incapacitation, i.e., 3000 RAD, to personnel in enemy maneuver units in the first and second echelon regiments; and 50 percent incapacitation to personnel in artillery units.

(b) Troop safety criteria: Do not exceed a negligible risk to warned protected personnel.

(c) Collateral damage preclusion criteria: Preclude 5 percent incidence of casualties requiring hospitalization to personnel and preclude 5 percent incidence of moderate damage to single-story masonry buildings in populated urban areas.

(d) Brigades will issue STRIKWARN messages to units within their sectors who will be affected by the strike and to adjacent units.

(2) For the employment of chemical munitions, the division SOP requires negligible risk for unwarned friendly personnel downwind of the target area. Persistent chemical agents will not be used west of the FULDA River.

(3) The prescribed nuclear load (PNL) for the tube artillery battalions, 155mm and 8-inch, is as shown below. This PNL is located in battery field storage locations (FSL) with each of the three firing batteries of each battalion (one-third of the PNL at each FSL).

<u>Battalion</u>	<u>.2KT</u>	<u>1KT</u>	<u>2KT</u>	<u>8KT</u>	<u>Totals</u>
SRC	7	8	--	--	15
MRC	--	--	10	5	15

(4) The weather forecast for the next 24 hours is as follows:

- (a) Wind from the SW (between 240 - 245° grid) from 4 to 8 knots per hour.
- (b) Temperature: From 50° F (10° C) at night to 72° F (22° C) during the day.
- (c) Visibility: Excellent (10-15 km) during the day except for the possibility of light fog in the FULDA valley which should lift by 0800.
- (d) Temperature gradient: Neutral from approximately 2200 to 0800, when it will change to lapse.

REQUIREMENT.

1. As the 2d Brigade FSO: what targets do you recommend for strike by the five nuclear weapons to be fired by brigade?
2. As the brigade chemical officer:
 - a. What targets do you recommend for attack with GB and HD? (Indicate size of area and number of rounds of chemical ammunition by type and caliber to achieve the effects desired.)
 - b. What change, if any, do you recommend to the brigades MOPP?
3. As S3 Air (or ALO), how do you recommend the 15 CAS sorties be employed?
4. Acting as the S1, S2, S3 and S4, be prepared to discuss your staff estimates and recommendations with the brigade commander.
5. As brigade commander, considering that time does not permit issuing a written FRAGORD, what oral orders do you issue to your subordinate commanders and staff?

Intelligence Situation as of -----August----- (D-Day)

1. Intermittent patrol activity and OPs/LPs observed during the evening of D-Day.
2. TAB picked up 120mm mortars, 122mm howitzers and 152mm howitzers firing from these positions between 1900 and 2100.
3. CEWI Bn reports unidentified C² facility at this location as of 2115.
4. CEWI Bn, based on SOTAS observations, reports units indicated moving into concealed positions at 2200.
5. Aerial photography reveals MRL unit, estimated to be a battalion, in hide positions as of 2220.
6. CEWI Bn reports SOTAS picked up a FROG unit of estimated battalion size moving into position at this location at 2245.
7. Column of towed artillery pieces (estimated 122mm) and cargo and GP vehicles approximately 3km long moving west at this location as of 2000. Sighted by AF recce.
8. Column of SP artillery, estimated 122mm or 152mm, sighted by AF recce at 2020.
9. Medium tanks moving west in a column about 3.5 km long sighted by AF recce at 2030.
10. Tank unit moving west at 2145; sighted by AF recce.

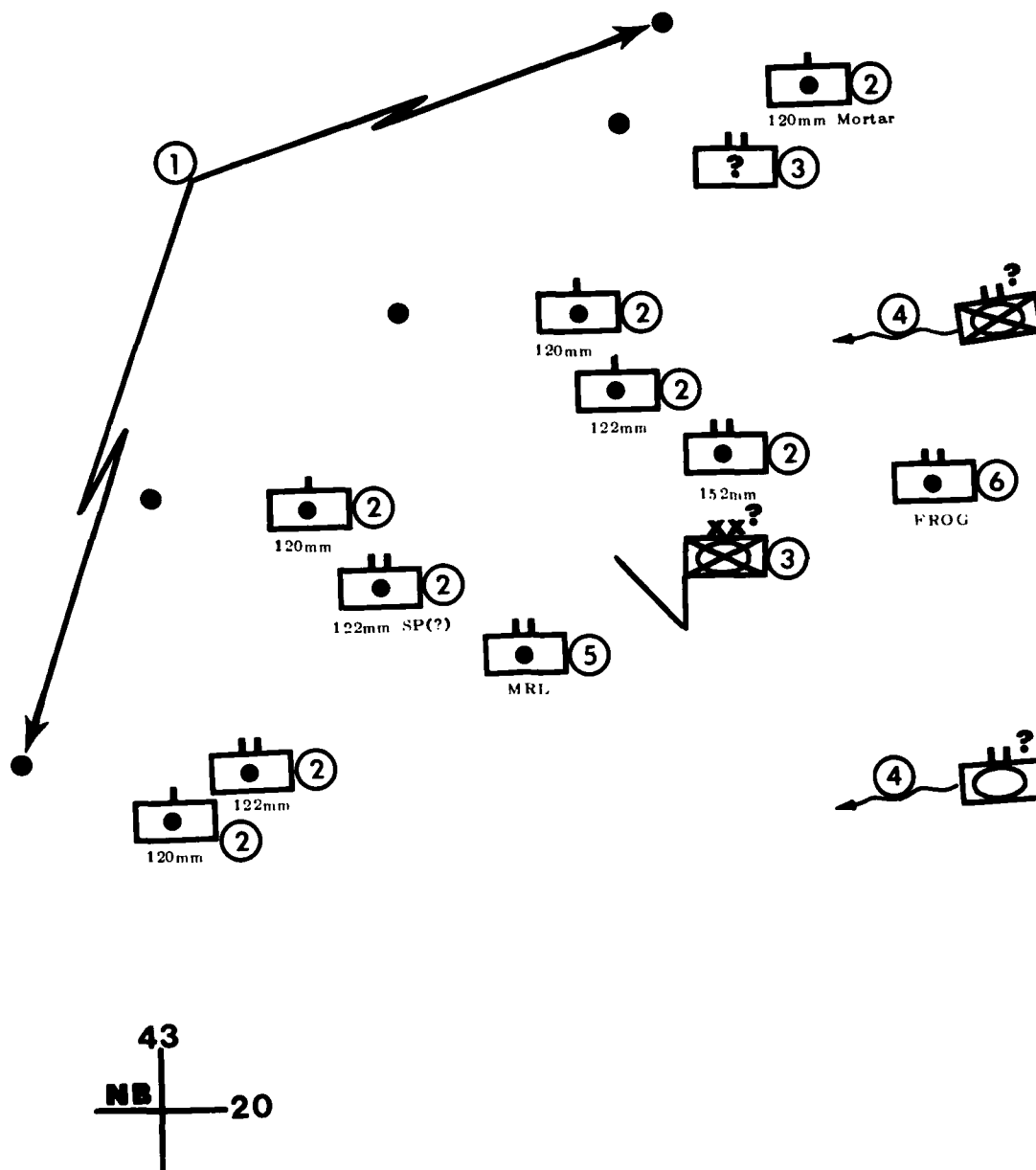
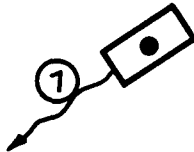


Figure 1. Intelligence situation.

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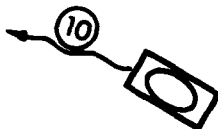
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Intelligence Situation
Map, Germany, 1:50,000
Bad Hersfeld - Alsfeld Sheet



Intelligence Situation as of ____ August 198__ (D—

1. Intermittent patrol activity and OPs/LPs observed during D-Day.
2. TAB picked up 120mm mortars, 122mm and 152mm howitzers from these positions between 1900 and 2100.
3. CEWI Bn reports unidentified C² facility at these locations 2115.
4. CEWI Bn, based on SOTAS observations, reports unit positions indicated, as of 2200.
5. Aerial photography reveals MRL unit, estimated to be in hide position, as of 2220.
6. CEWI Bn reports SOTAS detected a FROG unit (estimated moving into position at 2245).
7. Column of towed artillery (estimated 122mm) and cargo about 3km long, moving west at this location, as of 2145 by AF Recce.)
8. Column of SP artillery, estimated 122mm or 152mm, as of 2145 by AF Recce at 2020.
9. Medium tanks moving west in a column about 3.5km long, as of 2145 by AF Recce at 2030.
10. AF Recce reports tank unit moving west, at 2145.

LAY _____
ence Situation
Germany, 1:50,000
ersfeld - Alsfield Sheet



tion as of ____ August 198__ (D-Day)
ity and OPs/LPs observed during the evening

mortars, 122mm and 152mm howitzers firing
between 1900 and 2100.

ntified C² facility at these locations as of

TAS observations, reports units moving into
of 2200.

eals MRL unit, estimated to be battalion, in
220.

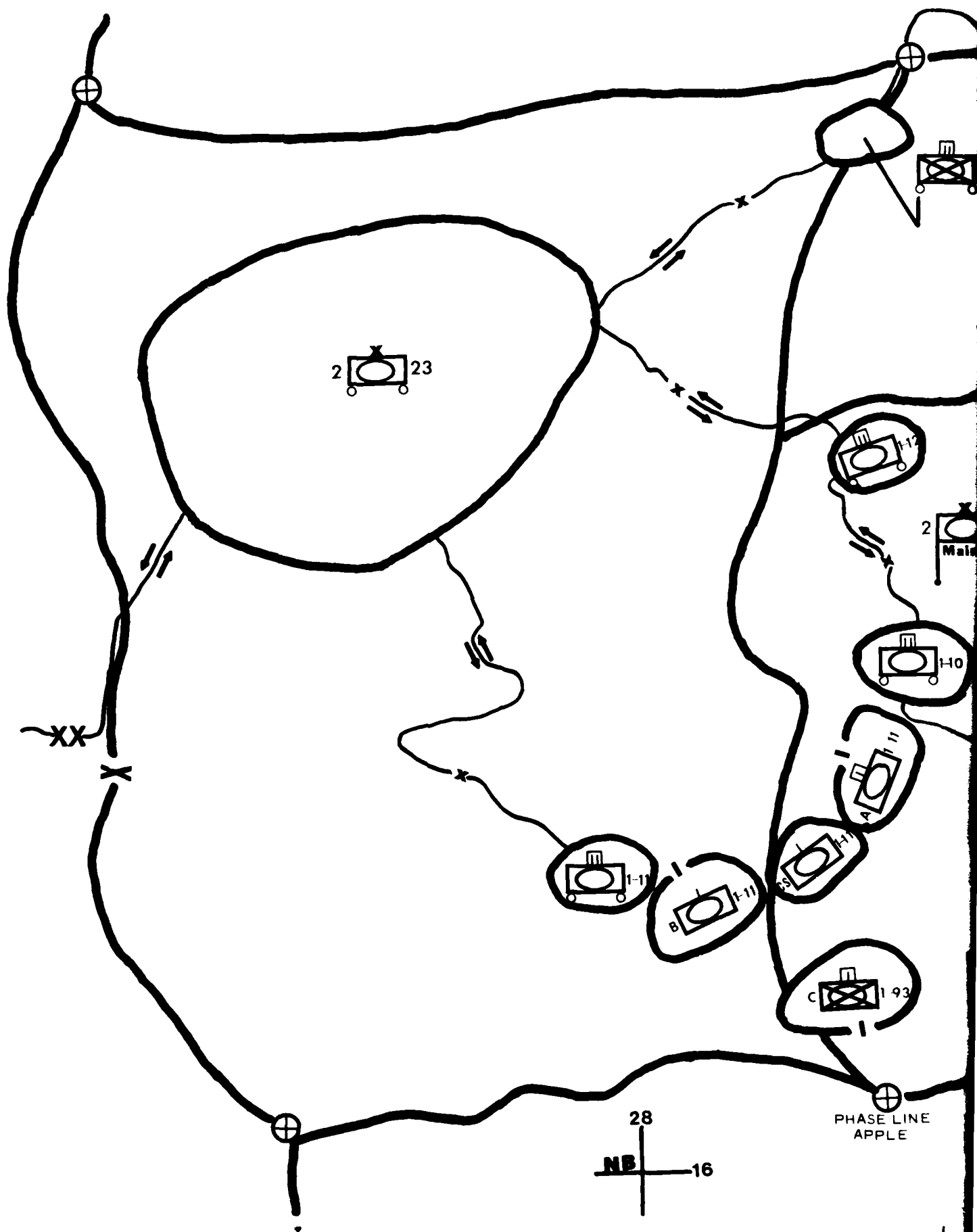
AS detected a FROG unit (estimated battalion)
at 2245.

ery (estimated 122mm) and cargo/GP vehicles,
g west at this location, as of 2000. (Sighting

, estimated 122mm or 152mm, sighted by AF

west in a column about 3.5km long, sighted

unit moving west, at 2145.



SOLUTION TO FIRST REQUIREMENT

1. Attach Team A 1-10 (A/1-10-1 plat + 1 plat B/1-92 mech) to TF 1-12.
2. Consolidate Cbt and Fld Trains of TF 1-10 plus the Co Trains of Tm B (B/1-92 Mech (-) + 1 plat C/1-10 Armor) into a provisional company under the senior surviving officer of TF 1-10 (S1 or S4); from this element provide a company trains to Team A.
3. Order CO TF 1-12, who now has five company teams, to assume mission of TF 1-10. (B/1-12 has only its Co HQ and one combat effective plat.)
4. TF 1-92: No change in mission.
5. Bde Reserves:
 - a. B and C, TF 1-12
 - b. C/23 Avn Bn
6. Brigade Main CP:

Appoint acting S2 and S3.
Ask Div Arty for a replacement for FS0.
Ask division for a replacement ALO.
Relocate Bde CP, under radio silence, to NB315274.
7. S1: Get firm count of casualties, have battalions request replacements. Priority to B/1-12 to replace personnel of its two ineffective tank platoons.
8. S2: Focus surveillance on threat activities east of the FULDA and request division to do likewise.
9. S3: Prepare a FRAGORD which directs TF 1-92 to continue to defend sector. Attach Team A 1-10 to TF 1-12; TF 1-12 to withdraw to and defend PL BOB occupying BPs 6, 7, 9 and 10 with one company/company team each. Co's B&C TF 1-12, as

brigade reserves, occupy BPs 11 and 12, respectively. The threat main attack is still expected between NIEDERAULA and NIEDERJOSSA but now more likely in the southern portion of that avenue in view of the tree blowdown south of HATTENBACH.

10. FS0: Priority of fire to TF 1-12 and 1-92 in order.

11. CAS: 40 CAS sorties have been allocated to 23d Armd Div on D+1.

a. 2d Bde has been allocated 15 CAS sorties on D+1.

b. Priority of CAS: TF 1-12 and TF 1-92 in order.

12. Engr: Missions in order of priority.

a. Initial priority of effort to mobility operations in support of TFI-12's withdrawal to PL BOB, then to countermobility and survival operations in support of BPs on PL BOB with priority to sector of TF1-12 and BPs 11 and 12, in order.

b. Be prepared to support CATK of TF1-12 vicinity BREITENBACH.

13. S4:

a. Supervise accomplishment of task in 2, above.

b. Insure that unit basic loads are replenished.

c. Insure that battalions report their equipment losses to DISCOM.

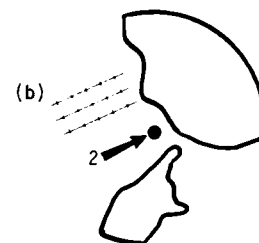
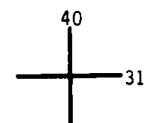
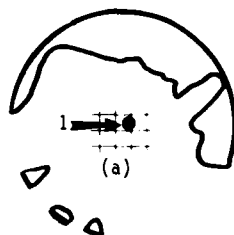
d. Supervise recovery of repairable major items of equipment.

14. Requests to division:

a. Attach TF 1-11 to 2d Bde.

b. Place A/120 Avn Bn (Atk Hel) under OPCON of 2nd Bde.

c. Priority of personnel replacements to 2nd Brigade.

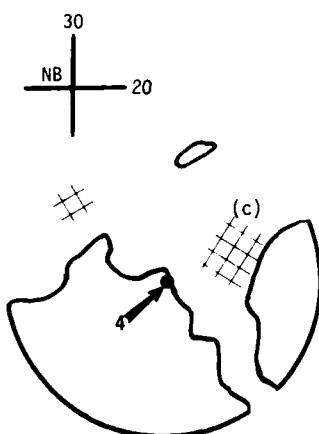


Burst No	GZ	Yield (Est'd)
1	NB349307	10KT
2	NB403284	10KT
3	NB380234	20KT
4	NB309180	20KT

● Ground zero of threat weapon.

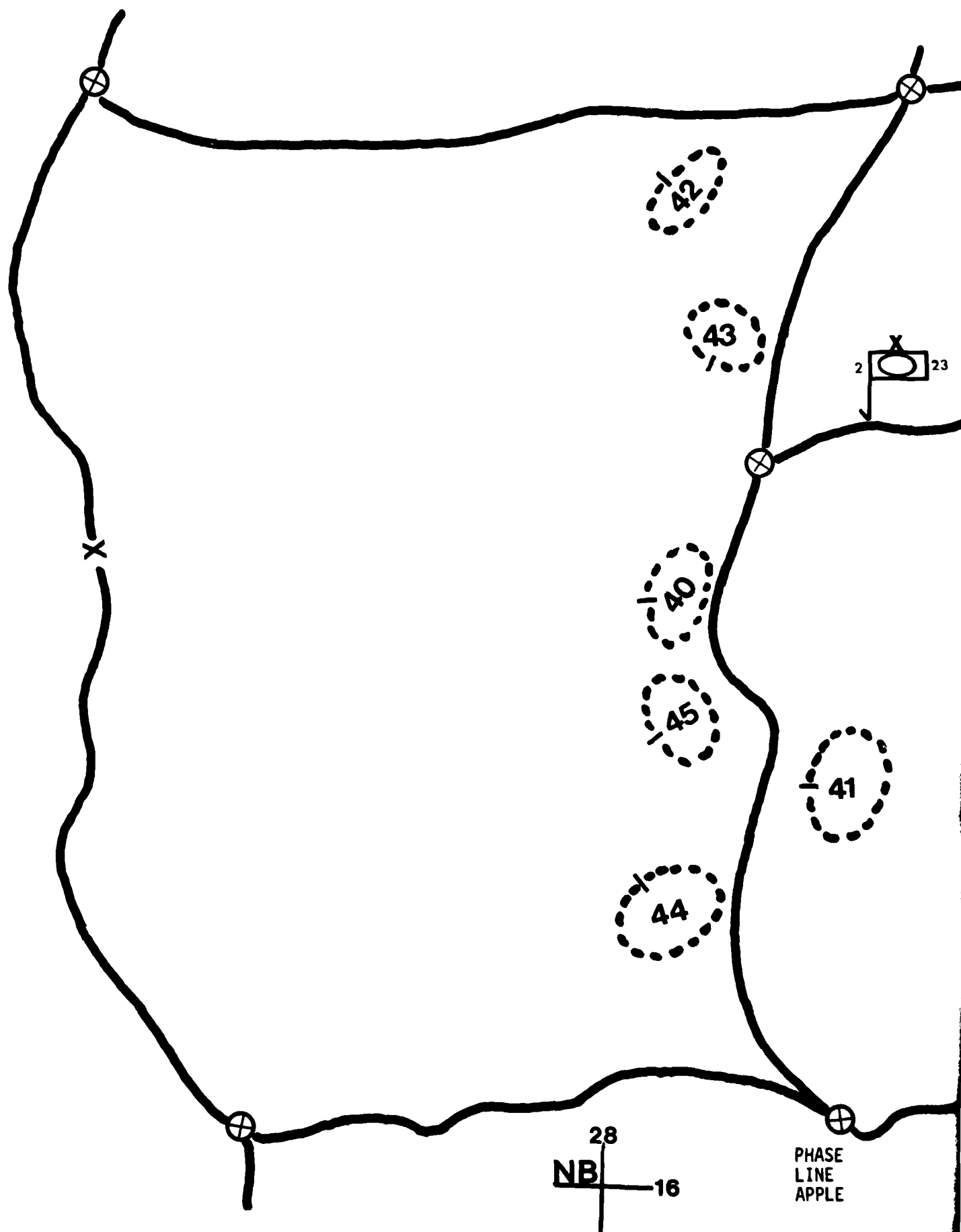
⌒ Area within which tree blowdown is at least 30%.

++++ Rubbled areas. (Areas (a), (b) and (c) block/impede movement on secondary roads.)



OVERLAY _____ (Issue with Requirement 1.)
 TERRAIN ALTERATIONS BY THREAT WEAPONS
 MAP, GERMANY, 1:50,000
 BAD HERSFELD - ALSFELD SHEET

Figure 3. Terrain alterations by threat weapons.



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2d Bde, 23d Armored Division
NB315274, Germany
___ Aug 80
Z241

FRAG ORDER

Reference: OPORD 3
Map, Germany, 1:50,000
Bad Hersfeld -- Alsfeld Sheet

TASK ORGANIZATIONS:

a. Team A TF 1-10 (A/1-10(-1 plat + plat B/1-92 Mech)) and C/1-10 Armor attached to TF 1-12.

b. Brigade control
B/1-12 Armor (-)
C/1-12 Armor

1. SITUATION: ___ MRD is expected to attack across FULDA RIVER commencing NLT 0430, ___ Aug 80 (D+1).

2. MISSION: Defend in sector from NB460310 to NB428281 to NB384296 to NB365201.

3. EXECUTION: 2d Bde defends in sector, supported by nuclear weapons, employing TF 1-92 in the north occupying and defending BPs 1 and 5 and TF 1-12 in the south occupying and defending BPs 6, 7, 9 and 10 with Companies B(-) and C, 1-12 Armor and Co C (Atk Hel), 23d Avn Bn (OPCON) in reserve.

- a. TF 1-12.
- (1) Withdraw to PL BOB.
 - (2) Defend PL BOB in sector.
 - (3) Occupy and defend BPs 6, 7, 9 and 10 with one company (or company team) each.
 - (4) Maintain contact with TF 1-92.

- (5) Screen 2d Bde's right flank and maintain contact with 3d Bde.
- (6) On order, prepare, occupy and defend BPs 40, 41, 44 and 45.
- (7) Be prepared to:
 - (a) Accept return of Co C, 1-12 Armor to TF control.
 - (b) Counterattack enemy penetration vic BREITENBACH (NB3525).

b. TF 1-92.

- (1) Defend in sector.
- (2) Occupy and defend BPs 1 and 5.
- (3) Protect brigade north flank.
- (4) Prevent threat crossing FULDA RIVER vicinity NIEDERAULA.
- (5) Maintain contact with TF 1-12.
- (6) On order, prepare, occupy and defend BPs 42 and 43.

c. Fire Support. Priority of fires to TF 1-12 and TF 1-92 in order.

d. CAS. 2d Bde has been allocated 15 CAS sorties on D+1. Priority of CAS to TF 1-12.

e. Nuclear. Annex ____ to OPORD 3, Nuclear Support Plan.

f. Chemical. Annex ____ to OPORD 3, Chemical Support Plan.

g. The 23d Armd Div CFL established along the FULDA River effective 2400 on D-Day.

h. Engineer Support.

(1) Initial priority of effort to mobility operations in support of TF 1-12's withdrawal to PL BOB, then to countermobility and survival operations in support of BPs on PL BOB with priority to sector of TF 1-12 and BPs 11 and 12 in order.

- (2) Be prepared to support catk of TF 1-12 vic BREITENBACH.
- (3) Organization for combat: no change from OPORD 3.

i. Reserves.

- (1) B/1-12 Armor (-): Occupy and defend BP-11.

- (2) C/1-12 Armor:
 - (a) Occupy and defend BP 12.
 - (b) Be prepared to revert to control of TF 1-12 to reinforce the defense or participate in a counterattack.
- (3) Co C (Atk Hel) 23d Avn Bn:
 - (a) Be prepared to counter enemy penetrations vic NB415265 and NB437290.
 - (b) Be prepared to support catk of TF 1-12 against an enemy penetration vic BREITENBACH.

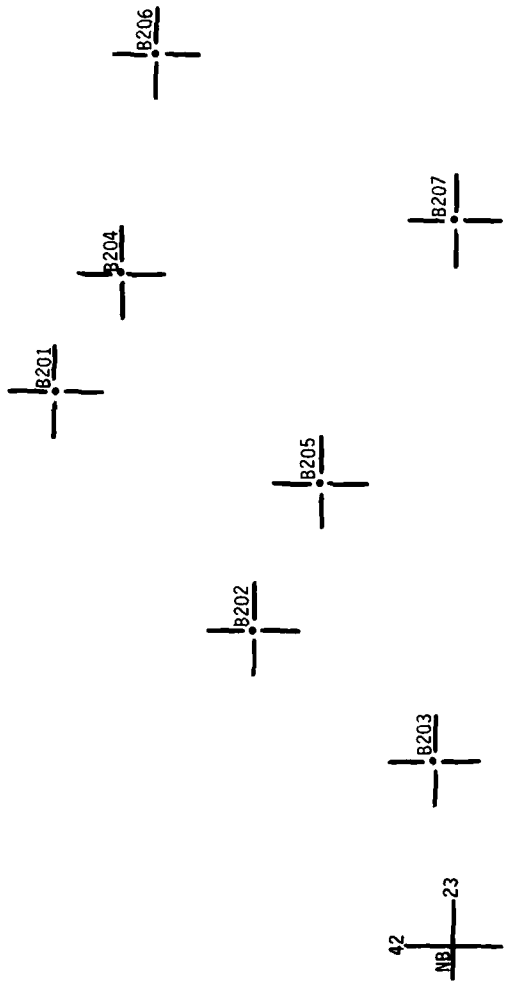
4. SERVICE SUPPORT: A company trains element from the surviving combat and field trains of TF 1-10 (and the company trains of Team B, TF 1-10) is being organized to replace the destroyed company trains of Team A, 1-10. Until this has been accomplished, TF 1-12 will provide maintenance, mess and transportation support and an aidman with armored ambulance to Team A, 1-10.

5. COMMAND AND SIGNAL: Continue listening silence until Threat forces initiate crossing of the FULDA.

* * * * *

53
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—30

MAP, GERMANY, 1:50,000
BAD HERSFELD - ALSFELD SHEET



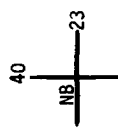
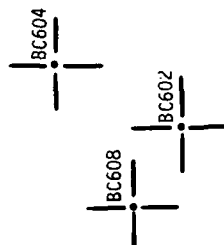
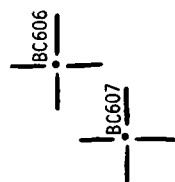
Annex — (Nuclear Fire Support Plan) to FRAGORD —
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ZELL (NB1419), Germany
August 198
XZ 240

Means	Yield	Tgt No.	Description	Aimpoint	Remarks
*	*	*	*	*	*
SRC	1KT	B201	122mm Arty Bn (SP)	NB474273	Bde Tgt
SRC	1KT	B202	122mm Arty Bn (SP)	NB451251	Bde Tgt
SRC	1KT	B203	122mm Arty Bn (SP)	NB437233	Bde Tgt
MRC	2KT	B204	152mm Arty Bn (SP)	NB487266	Bde Tgt
MRC	2KT	B205	MRL Bn (hide psn)	NB465246	Bde Tgt
MRC	2KT	B206	FROG Bn	NB508263	Div Tgt
MRC	2KT	B207	Tk Unit (Prob Bn)	NB493233	Div Tgt

<u>Means</u>	<u>Yield</u>	<u>Igt No.</u>	<u>Description</u>	<u>Aimpoint</u>	<u>Remarks</u>
*	*	*	*	*	*
SRC	1KT	B201	122mm Arty Bn (SP)	NB474273	Bde Tgt
SRC	1KT	B202	122mm Arty Bn (SP)	NB451251	Bde Tgt
SRC	1KT	B203	122mm Arty Bn (SP)	NB437233	Bde Tgt
MRC	2KT	B204	152mm Arty Bn (SP)	NB487266	Bde Tgt
MRC	2KT	B205	MRL Bn (hide psn)	NB465246	Bde Tgt
MRC	2KT	B206	FROG Bn	NB508263	Div Tgt
MRC	2KT	B207	Tk Unit (Prob Bn)	NB493233	Div Tgt

Figure 5. Nuclear fire support plan.

MAP, GERMANY, 1:50,000
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Annex (Chemical Support Plan) to FRAGORD

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August 198
XZ 240

Igt. No.	Description	Coordinates (center)	Target Size (m)	Munitions/dpn	Del Unit	Remarks
BC601	Command Post	NB477256	500 x 500 (25ha)	48 rds GB/8"	2-607 FA	Immediate casualties (Msn Time: 1' 03")
BC602	MR Co/foxholes	NB423243	1000 x 500 (50ha)	150 rds GB/155	2-632 FA	Immediate casualties (Msn Time: 2' 05")
BC603	Tk Bn Assy Area	NB493235	1700 x 600 (102ha)	306 rds GB/155	1-51 FA	On Call; Immed Gas (Msn Time: 4' 15")
BC604	MR Co/foxholes	NB429255	1000 x 500 (50ha)	150 rds GB/155	2-632 FA	Immediate casualties (Msn Time: 2' 05")
BC605	Bridge Site	NB461295	100 x 100 (1ha)	96 rds HD/4.2"	TF 1-92	On Call; liquid con- tamination
BC606	Bridge Site	NB440283	100 x 100 (1ha)	72 rds HD/155	2-632 FA	On Call; liquid con- tamination
BC607	Bridge Site	NB433276	100 x 100 (1ha)	72 rds HD/155	1-51 FA	On Call; liquid con- tamination
BC608	Bridge Site	NB416247	100 x 100 (1ha)	72 rds HD/155	2-632 FA	On Call; liquid con- tamination

Figure 6. Chemical support plan.

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-8