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FAITES UN DON – UTILISEZ LE BOUTON PAYPAL - MERCI



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TOP SECRET
NEPTUNE - BIGOT

APPENDIX "A"
TO AMFFX NO. 1 TO 52ND TROOP CARRIER WING
FIELD ORDER NO. 1 FOR OPERATION "NEPTUNE"

ANALYSIS OF TERRAIN

1. General Characteristics of Terrain in DZ Area.

a. The countryside in the Southern region of the CHELBOURG PENINSULA, where the DZ's are located, is low, gently-rolling terrain, seldom exceeding 200 feet above sea level. There are a few small scattered woodlands and some orchards, but the major portion of the terrain is open country made up of hedge and tree-bordered fields, about 50% cultivated and 50% pasture land. Numerous narrow, unpaved roads, some sunken, run through the area. The roads themselves are not easily seen from the air but can usually be distinguished by tree borders on both sides of the road. The one noticeable exception is the main road from CALENTAN to VALOGNES through STE MERE EGLISE, which is mostly hedge rather than tree-bordered. Fields generally are hedge and tree bordered with average tree heights of 20 to 40 feet and maximum heights up to 70 feet. Hedges are considered as uncrashable. Many fields have no appreciable border heights.

b. The general area in which the selected DZ's lie extends approximately 7 miles on an East to West axis and approximately 5 miles on its north to south axis, in the vicinity of STE MERE EGLISE.

2. Routes in.

a. The northernmost routes in to DZ's "T", "H", and "O" will cross the single-tracked railroad running North-northwest from ST SAUVEUR, and the main highway which more or less parallels the railroad between ST SAUVEUR and BRICQUEBEC, about 10 miles in from landfall. Just beyond the railroad and road, the route crosses the DOUVE RIVER flowing South toward ST SAUVEUR, at a point approximately two-thirds of the distance from landfall to DZ "O".

3. Location of DZ's.

a. DZ "O" lies just Northwest of STE MERE EGLISE astride the main STE MERE EGLISE-VALOGNES highway. DZ "T" lies West of DZ "O" and its Eastern boundary is a wide flood plain of the MERDERET RIVER (partly inundated) which separates DZ "T" and DZ "O".

b. DZ "H" is located South-Southeast of DZ "T" in the "Y" of the Rivers DOUVE and MERDERET, approximately 2 1/2 miles Northwest of the junction point of these two Rivers.

4. Obstacles.

a. The enemy is known to have been placing obstructions, such as pointed poles, sometimes with barbed wire between them, in suspected airborne landing areas. There has been some evidence of this type of activity in some of the fields in this general area, but examination of latest photo cover available does not disclose such obstructions on DZ's selected for this operation.

b. There has been no evidence of mine fields, to date, in these areas and the presence of roaming livestock indicates lack of mines in pasture areas. It is unlikely that large areas of cultivated lands devoted to crop growing would be mined unless specific information were available to the enemy as to fields likely to be used.

c. The only known overhead telephone and telegraph lines in this area are the telephone line along the ST SAUVEUR to VALOGNES road and along the railway lines.



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APPENDIX "B"
TO ANNEX NO. 1 TO 52ND TROOP CARRIER WING
FIELD ORDER NO. 1 FOR OPERATION "NEPTUNE"

ANALYSIS, ENEMY ORDER OF BATTLE--AIR

1. The present disposition of "immediately effective" aircraft on the Western Front within a 300 mile radius of the drop zones on the basis of 19 May report, "CAF on the Western Front," A.I.3(b), D of I (c), is as follows.

a. In the area within a 130 mile radius of the drop and landing zones there are 15 first-line, single-engine fighters, 30 long-range bombers, 27 long range reconnaissance aircraft, and 12 tactical reconnaissance aircraft. In the area between a radius of 130 miles and a radius of 300 miles there are 145 first-line and 20 Reserve Training Unit, single-engine fighters, 165 first-line, twin-engine fighters, 155 long-range bombers, 30 fighter-bombers, and 33 long-range reconnaissance aircraft.

b. There are also 40 as yet unlocated first-line, single-engine fighters in the area West of the SEINE RIVER and North of 46° North.

c. For dispositions see tables herewith:

LONG RANGE AND FIGHTER-BOMBERS
LONG RANGE AND TACTICAL RECONNAISSANCE

No.	Name	Operational Bases		
		LR and FB	Long Range	Reconnaissance Tactical
1	HEBERTS/ST JACQUES		9 Ju.88/188	
2	ORLY		9 Ju.88/Mc.410	
			12 Ju.188/88	
3	BPETIGNY	30 Ju.88		
4	AVORD	20 Ju.88/188		
5	ORLEANS/BRICY	20 Mc.177(R)		
6	CHATEAUDUN	10 Mc.177		
7	MONTDIDIER	10 Ju.88/188		
8	ROYE/AMY	30 FV.190(FB)		
9	LE CULOT	30 Ju.88		
10	BRUSSELS/MELBROEK	35 Ju.188/88		

Operational Areas

1	FORLAIX and DINAID			12 SEF
2	CAEN Area		9 SEF	
3	BUC Area		9 Mc.410	
			3 Ju.88	
4	ST ANDRE DE L'EULE, EVREUX AND DREUX	30 Mc.410		
5	MONCHY BRETON Area		9 SEF	
<u>TOTAL:</u>		185 LFB 30 FB	60	12

Note: Mc.410 bombers, FV.190 fighter-bombers, and SEF-type reconnaissance aircraft may operate in an emergency as defensive fighters.

(F) Units known to use radio-controlled bombs.



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HEPTUNE-BIGOT

Appendix "P" to Annex No. 1 to F.O. No. 1 for operation "Heptune"

SINGLE AND TWIN-ENGINE FIGHTERS

NO.	NAME	Operational Bases		TEF	
		1st Line	RTU	1st Line	RTU
11	BIETICHY			40	
12	LA ROCHELLE	25			
13	TOURS		10		
14	VAURES			10 (D)	
15	KERLIN/BASTARD			15 (D)	
16	ST ANDRE DE L'EURE	10 (D&N)			
17	GUYANCOURT		10		
18	COULOMBIERS			15	
19	ST DIZIER			40	
20	BELVAL	30			
21	FLORENTES/JUZAIN			20	
22	LAON/ATHIES			15	
23	CORMEILLES-EN-VEXIN and CREIL	30			

Operational Areas

6	NANTES Area			10	
7	BREST/GUIPAVAS-GAEL Area	5			
8	BEAUMONT-LE-ROGER-EVREUX-ORLEANS Area	15			
9	FLORENTES Area	10			
10	LILLE Area	35			
	Unlocated (West of SPINE, North of 46° N)	40			
	TOTAL:	200	20	165	

Note: (N) SEF known to operate at night.
(D) TEF day fighters.

RTU Figures represent number of training aircraft considered likely to operate.

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NEPTUNE - BIGOTAPPENDIX "C"
TO FMNEX NO. 1 TO 52ND TROOP CARRIER WING
FIELD ORDER NO. 1 FOR OPERATION "NEPTUNE"

ANALYSIS. PRESENT ORDER OF BATTLE--GROUND

1. It is known that the enemy generally have followed the policy in Western France of billeting their troops in towns and villages and establishing their higher headquarters in the larger towns and cities with field headquarters in populated centers or in large chateaus. Such concentrations of ground forces with small arms, automatic weapons, mortars and light mobile AA weapons constitute a definite hazard to low-flying Troop Carrier Formations, as is evident from a study of the size and weapons strength of typical German units.

2. The weapons strength of a normal German infantry regiment in an infantry division and the weapons strength of a German motorized division are tabulated herewith to indicate the firepower inherent in such units.

a. T/O and WEAPONS STRENGTH OF A GERMAN
INFANTRY REGIMENT IN AN INFANTRY DIVISION

Regiment: 3,215 troops; 118 light machine guns; 36 medium machine guns; 27 anti-tank rifles; 27 two-inch mortars; 18 three-inch mortars; 9 (1.97 inch) anti-tank guns; 6 (2.95 inch) infantry guns; 2 (5.91 inch) infantry guns.

b. T/O and WEAPONS STRENGTH OF A GERMAN
MOTORIZED DIVISION

Motorized Division:

15,416 troops; 49 tanks, with 33 (75 mm) guns and 16 (50 mm) guns; 49 armored cars (18 light, 25 half-tracks, and 6 heavy); 870 light machine guns; 114 heavy machine guns; 81 anti-tank rifles; 22 (20 mm) anti-tank guns; 30 (20 mm) anti-tank and AA guns; 6 (37 mm) anti-tank guns; 16 (50 mm) tank guns; 76 (75 mm) tank and anti-tank guns; 8 (88 mm) AA and anti-tank guns; 183 larger howitzers and artillery guns; 2798 motor vehicles and 1176 motor cycles.

3. Most recent reports indicate the following type units now on CHERBOURG PENINSULA:

2 Infantry Divisions
2 Field Type Divisions

4. One (1) Infantry Division is located in CHATEL ISLANDS with Headquarters on JERSEY.

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TO ANNEX NO 1 TO 52ND TROOP CARRIER
WING FIELD ORDER NO 1 FOR OPERATION "NEPTUNE"ANALYSIS, RADAR AND W/T

1. Appendix "D-1" shows the disposition of radar stations on the CHERBOURG PENINSULA and the CHANNEL ISLANDS which will provide initial enemy defenses. At an altitude of 300 feet, initial pick-up can be expected between 30 and 37 miles around the Peninsula and Islands, as indicated by the 300 feet altitude line on the overlay, Appendix "D-1". At 1000 feet, pick-up could be made from 50 to 56 miles, as shown by the 1000 feet line.

2. Two W/T stations of the "Jammer" type have also been shown. It is possible that these stations might attempt to jam our own radio signals. W/T of other types, such as masts, pylons, navigational beams, and direction finders, have been omitted as not affecting the success of Troop Carrier operations.

RADAR INSTALLATIONS

<u>No</u>	<u>Area</u>	<u>Type</u>	<u>Equipment</u>	<u>Coordinates</u>
1	BARFLEUR/LE VICEL	Coast Watching	1 Coast Watcher 1 Giant Wuerzburg	370203
2	CHERBOURG/CAP LEVY	Coast Watching	1 Coast Watcher 1 Giant Wuerzburg	254287
3	CHERBOURG/LA BRASSERIE	Aircraft Reporting	1 "Chimney" 2 Giant Wuerzburgs 2 Freyas	254257
4	OMONVILLE-LA-ROGUE	Coast Watching	1 Large Coast Watcher 1 Small "Hoarding"	976312
5	CAP DE LA HAGUE/ADDEFVILLE	Aircraft Reporting	2 Freyas 1 Standard Wuerzburg 2 Giant Wuerzburgs	922326
6	CAP DE LA HAGUE/JOBURG	Aircraft Reporting	1 "Hoarding" 1 Giant Wuerzburg	939292
7	CAP CARTERET	Coast Watching	1 Coast Watcher	993942
8	GUERNSEY/FORT GEORGE	Aircraft Reporting	2 Freya 1 Giant Wuerzburg	468056
9	GUERNSEY/PLEINEMONT	Coast Watcher	1 Freya	368050
10	JERSEY/ROUGE NEZ	Coast Watcher	1 Freya	664830

W/T STATIONS

11	BEAUMONT-HAGUE/AU FEVRE	Jammer	035277
12	STE CROIX-HAGUE	Jammer	028234



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APPENDIX "E"

TO ANNEX NO. 1 to 52ND TROOP CARRIER WING
FIELD ORDER NO. 1 FOR OPERATION "NEPTUNE"ANALYSIS, ENEMY STATIC DEFENSES

1. Appendix "F-1" shows the enemy static anti-aircraft defenses of the CHERBOURG PENINSULA, as of information on 27 May 1944. Since the intelligence on which this Appendix is based is derived from aerial photo cover, the apparent absence of defenses in some areas does not preclude the possibility of receiving flak fire from these areas during operations. Presence of highly mobile, self-propelled anti-aircraft equipment, plus railway flak, is difficult to "pinpoint," and it may be encountered almost anywhere.
2. The defenses have been outlined on the basis of maximum fuze range in the case of the heavy AA guns, self-destruction range for light AA guns, and on the maximum effective range for machine guns and rifle fire. All the above ranges have been computed commensurate with operating altitudes of Troop Carrier formations, that is, 300 to 500 feet.
3. Areas outlined in solid blue lines show the limits of the heavy AA gun defenses. Broken blue lines show increased range due to possible presence of new 88 mm AA guns. Areas outlined in green show the limit of fire from the light AA gun defenses. In red are shown the limits of machine gun and rifle fire from plotted ground strongpoints. Areas bounded by lines indicate maximum horizontal range of 88 mm guns using an impact fuze. Provided enemy guns are supplied with this type of ammunition, barrage fire could be brought to bear on Troop Carrier formations. Resultant direct hits would be damaging, but such ammunition would not be used where it would fall, undetonated, on enemy-held territory. Only those gun positions, the presence of which should be indicated because of their proximity to the routes in and out, have been plotted on the overlay.
4. In a belt 8 miles north of the route in to the DZ's "O", "R", and "T" there are 48 heavy AA guns with a fuze range of 6 miles. The route passes within this range of 14 of these guns, the other 34 being so situated that deviations from the course would bring the formation within their range--the greater the deviation to the north, the more guns able to fire upon the formation. In this same belt there are 38 light AA guns whose ranges fall short of the route by distances varying from one mile to four miles. Again, too much deviation to the north of the route would bring the formation within range of some of these guns. In vicinity of DZ'S "O", "N" and "T", the formation is one mile outside the ranges of two light AA guns to the northeast; and on the route out will pass well within range of these same two guns, plus three more light guns to the north of the route.
5. On the route in to DZ's "A", "D" and "C", and LZ "E", (not assigned this wing) this formation will pass three miles outside the limit of the 14 heavy guns mentioned above, since this route is farther south. From 15 miles in from landfall to the DZ area, the formation will be 1 1/2 miles outside, and to the north of, the range of 13 light AA guns in vicinity of CAFFERTAN AND LES FEVRES. Turning northeast off the LZ area on this route out, the formation will pass within range of 1 light AA gun, and 1 mile outside the range of 4 light AA guns, all to the north. The formation will be four miles outside the range of two light AA guns southeast of the route, near MAISY.



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Appendix "E" to Annex No. 1 to Field Order No. 1 for Operation "Neptune"

6. North of the 8-mile belt mentioned above (on the rest of the Peninsula from approximately North of grid 215) there are 63 heavy AA guns, 255 light AA guns, 69 heavy searchlights and 12 light searchlights, spread out in a fairly even defense along the coast, with heavy concentrations South and East of CHERBOURG.

On the CHANNEL ISLANDS the disposition of the defenses is as follows:

	<u>Heavy Guns</u>	<u>Light Guns</u>	<u>Heavy Searchlights</u>	<u>Light Searchlights</u>
A LDERNEY	24	83	5	3
GUERNSEY	36	79	8	8
JERSEY	35	112	13	5

7. Along the East coast of the Peninsula from grid 150 North to grid 220, the ground strongpoints are disposed in a single line just in from the coastline, about three-fourths of a mile apart and are capable of delivering approximately 1000 rounds per minute of .31 caliber fire. Above grid 220, and across the full width of the Northern end of the Peninsula, these strongpoints are disposed in depth in addition to a line along the coast and are closer together and capable of delivering 3000 rounds per minute.

8. Sources for enemy static defense positions are:

MI 15 Antiaircraft Intelligence Summaries;
Neptune "Argus" Reports;
TIS "Defense Overprints";
Daily Intelligence Summary, Headquarters, Ninth Air Force.

APPENDIX "F"

TO ANNEX NO. 1 TO 524A LEGOP CARRIER WING
FIELD ORDER NO. 1 FOR OPERATIONS "NEPTUNE"
SECURITY

1. Responsibility for the maintenance of security of all Troop Carrier Units for future operations has been delegated to Wing Commanders.

2. Station Commanders are responsible for the maintenance of security of their stations and to the Wing Commander.

3. Following communication from IX Troop Carrier Command, dated 21 May 1944, is quoted: "Until further notice the control of security matters of each station assigned to IX Troop Carrier Command will be the responsibility of the Wing to which the tactical group occupying such station is assigned or attached".

4. Therefore, this statement of general policy is issued for the information and guidance of station commanders, this Wing:

a. GENERAL

(1) Insofar as is consistent with good security, normal activity will be maintained on all stations with regard to RAF personnel and civilians.

(2) Prime objective of all security plans will be the segregation of briefed from un-briefed personnel. "Briefed personnel" referred to does not pertain to Officers classified for planning purposes, but to combat crews and Airborne Troops.

(3) Briefing levels for all Troop Carrier personnel will be announced by the Wing Commander.

(4) After briefing, all combat crews will be segregated from unbriefed personnel. Necessary contacts with housekeeping personnel will be only under such supervisions as will prevent communication between briefed and unbriefed personnel.

b. AIRBORNE AND SOS TROOPS

(1) Upon arrival at Stations, Senior Airborne and SOS Commanders will report to Station Commanders. Direct liaison between Station Commanders and Airborne and SOS Commanders will be maintained with respect to coordination of security.

(2) Airborne and SOS Commanders will be responsible for security and segregation of their own personnel and equipment. Measures will be taken to insure that no communication exists between briefed and un-briefed personnel, including RAF and civilians.

(3) Airborne and SOS Commanders have been instructed by their higher headquarters to adhere to all security regulations laid down by Station Commanders.

c. RAF AND CIVILIANS

(1) Control of RAF personnel will be coordinated with RAF Station Commanders. RAF personnel assigned to Stations will be provided with suitable identification of Assignment to particular stations.

(2) A policy of "No Visitors Allowed" will be instituted immediately, so far as civilians are concerned. Only civilians having normal business on exations will be admitted upon presentation of proper identification. Exceptions can be made at the discretion of Station Commanders.





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APPENDIX "F" TO ANNEX NO. 1 TO 52ND TCG FC NO. 1 FOR OPERATIONS "NEPTUNE"
(cont'd).

d. RESTRICTION

(1) All American personnel on all stations will be restricted to limits of stations upon orders from this Headquarters. Restriction will be coincident with briefing of Airborne Troops and will continue until period of restriction is lifted by this Headquarters.

(2) All personal telephone calls will be prohibited for the period of restriction. Public pay stations will be disconnected.

(3) Telephone calls will be monitored where necessary equipment is available and all personnel will be so informed. Monitoring will be instituted immediately.

(4) During the period of restriction, after usual unit censoring, all personal mail will be deposited in bags labeled "Special Mail Section, Base Censor No. 2, APO 887".

a. Civilian and RAF Post-offices on stations will be instructed to accept no mail from American personnel.

(5) Station Commanders will assure that these provisions are, as far as possible, applied to passengers and crews arriving and departing by air, during the period of restriction.

(6) General policy will be not to close roads unless urgently necessary. Roads through stations will be controlled. Applications to close roads will be made through Command channels.

e. PASSES

(1) Immediate plans will be undertaken to institute a pass system to take effect concurrent with the imposing of restrictions. Passes for all American personnel will be issued only by or on the authority of Station Commanders, with the following exception:

A IX Troop Carrier Command Pass will be issued to officers whose duties require entrance to Troop Carrier Command Stations. This pass will be signed by IX TCC A-2 Officer, Lt. Col. Paul Zuckerman.

(2) All passes will be numbered and will set forth the name, rank, and serial number of the bearer. A record will be maintained showing the name, rank and serial number of the person to whom each numbered pass is issued.

(3) Those authorized to issue passes will be limited to a few responsible officers. A list of such officers so authorized will be forwarded to this Headquarters immediately.

(4) With respect to American personnel above mentioned, passes will be the only passes in effect to be honored. All guards will be briefed accordingly and will check passes with identity cards.

(5) An officer will be on duty for 24 hours daily at each station entrance. It will be the responsibility of this officer to see that no unauthorized personnel enter or leave the station and to coordinate from a security viewpoint, the arrival of supplies and equipment delivered by other agencies.

(6) An officer will be posted on 24 hour duty at Station Headquarters, whose responsibility it will be to see that visitors go only into the areas which their official business may require.

(7) Permanent passes will be provided by Station Commanders for civilians who normally reside or work on stations.

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APPENDIX "F" TO ANNEX NO. 1 TO 52ND TCW FO NO. 1 FOR OPERATIONS "NEPTUNE"
(cont'd).

f. STANDARD MEASURES

(1) Present airdrome security measures will be re-examined, revised and bolstered in order to achieve maximum security of equipment and installations.

(2) Strict enforcement of Memorandum 10-1, Headquarters, Ninth Air Force, requiring registration of all cameras, will be accomplished. No photographs, other than official, will be taken within the confines of any station under this Command.

(3) Maps, overlays, or documents showing departure airfields will not be taken into the air.

(4) All maps, photographs, and documents classified as TOP SECRET will be safeguarded as prescribed by Headquarters, ETOUSA and the War Department for Top Secret material.

(5) Briefing rooms will be so controlled that only duly authorized personnel are admitted. Precautions will be taken to assure that unauthorized personnel are not permitted within sight or hearing of any information concerning this operation.

(6) Coordination will be accomplished with Airborne Commanders prior to take-off to assure that all air crews are in possession of proper paroles and countersigns.

(7) Following the departure of Airborne and SOS personnel Station Commanders will institute an inspection of the area occupied to insure that no classified information has been left improperly safeguarded. Any such documents or equipment will be forwarded to this Headquarters together with a statement of the circumstances involved.

g. SPECIAL MEASURES DURING PERIOD OF OPERATION

(1) From time of take-off until the return of the main element, all personnel, including RAF and civilians, on stations under control of the 52nd Troop Carrier Wing will be confined to the limits of the station, except in case of operational urgency. Authorized personnel will be admitted to stations but will not be permitted to leave during this period.

(2) During the operation period, no outgoing telephone calls will be made except by necessary personnel designated by the Station Commander. A list of such personnel will be furnished to the Signal Officer of each Station prior to the commencement of the operation.

(3) During the operation period all incoming telephone calls will be monitored.

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