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JUN 2 1955

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29427

COMMANDER TASK FORCE FIFTY-THREE

OPERATION PLAN A162-44

Classification changed to [redacted]
18 SEP 1944
by authority of AC of S, G-2, WDGS
by ----------
E. S. JOHNSTON
Colonel, Infantry
CUSTODIAN

CAUTION

Every precaution must be taken to prevent this plan from falling into enemy hands. If capture or loss of ship is imminent this plan will be destroyed in its entirety.

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O.M. # 11-ND-1335

C29 3-9 DECLASSIFIED
Classification changed to CONFIDENTIAL
18 SEP 1944
Authority: AC of S, G-2, WDGS
By

U.S. PACIFIC FLEET
TASK FORCE FIFTY-THREE
OFFICE OF THE COMMANDER

E. S. JOHNSTON
Colonel, Infantry
CUSTODIAN

SECRET

UNCLASSIFIED

USS APPALACHIAN, Flagship
8 JUNE 1944.

MEMORANDUM FOR ALL HOLDERS OF CTF 53 OPERATION PLAN A162-44

MOVEMENT ORDER A163-44, APPROACH PLAN A164-44

ATTACK ORDER A165-44 AND ALTERNATE ATTACK PLAN A167-44

The status of the above listed orders and plans, and annexes thereto, as of this date, is as follows:

			Forwarded
Operation Plan A162-44			23 May dist.)
Annex	A	Third PhibCorps Operation Plan No.1-44	30 May(limited/
"	B	Intelligence Plan	26 May
		Addenda No. 1, 2, 5, 7	Herewith
"	C	Operations Chart	30 May
"	D	General Bombardment (Air & Gunfire)	29 May
		Addenda No. 1	29 May
"	E	Communication Plan	26 May
		Change No. 1	2 June
"	F	Attack Force Air Support Plan Add. 1, 2	26 May
"	G	Medical Plan	2 June
"	H	Loading Plan (Less Appendix 1)	29 May
		Appendix 1	To follow
"	I	Unloading Plan	29 May
"	J	Reconnaissance & Beach Demolition Plan	26 May
"	K	Minesweeping & Hydrographic Instructions	29 May
"	L	Logistic Plan	26 May
		Addenda #1 & Correction Sheet #1	29 May
"	M	Protective & Night Cruising Plan (Including Retirement Plan A166-44)	Herewith
"	N	Harbor Attack Plan (Issued as Harbor Attack Plan A168-44)	Herewith
"	O	SOPA Instructions	Herewith
Movement Order A163-44			23 May
Annex	A	Cruising Instructions & Dispositions for TG 53.1 & Correction Sheet #1	26 May
"	B	Sortie Plan GUADALCANAL for TG 53.1	26 May
"	C	Entry Plan KWAJALEIN for TG 53.1	26 May
"	D	Anchorage Plan KWAJALEIN for TF 53	26 May
"	E	Sortie Plan KWAJALEIN for TG 53.1	26 May

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O.M.# 11-ND-1335

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Subject: Status of CTF 53 orders, plans and annexes (continued):

Approach Plan A164-44	30 May
Annex A Approach Chart	30 May
Attack Order A165-44	26 May dist.)
Annex A 3rd MarDiv Operation Plan No. 2-44	2 June (limited)
" B Naval Gunfire Support Plan (less Appendix 7)	29 May
Appendix 7	Herewith
" C Minesweeping & Hydrographic Plan (ASAN)	Herewith
" D Smoke Plan	Herewith
" E Attack Areas Chart (2)	30 May
Retirement Plan A166-44 (Included in Annex M of Op. Plan A162-44)	Herewith
Alternate Attack Plan A167-44	Herewith
Annex A Approach (Alternate Attack Plan)	Herewith
" B Gunfire Support (Alternate Attack Plan)	Herewith
— Addenda No. 1 to Appendix No. 1, App. 8	Herewith
" C Operations Chart Alternate Attack Plan)	Herewith
Harbor Attack Plan A168-44	Herewith
Annex A Communication Plan	Herewith
" B Gunfire Support Plan	To follow-if required.
Joint Correction Sheet No. 1	30 May

S. H. HAHN,
By direction.

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U.S.PACIFIC FLEET
TASK FORCE FIFTY-THREE
OFFICE OF THE COMMANDER
USS APPALACHIAN, Flagship
30 May 1944.

MEMORANDUM FOR ALL HOLDERS OF CTF 53 OPERATION PLAN A162-44, MOVEMENT ORDER A163-44 and ATTACK ORDER A165-44

The status of CTF 53 Operation Plan A162-44, CTF 53 Movement Order A163-44 and CTF 53 Attack Order A165-44 and annexes thereto, as of this date, is as follows:

			Forwarded
Operation Plan A162-44			23 May
Annex	A	Third PhibCorps OpPlan No. 1-44	Herewith(limit.dist)
"	B	Intelligence Plan	26 May
"	C	Operations Chart	Herewith
"	D	Gen'l Bombardment (Air & Gunfire)	29 May
		Addenda No. 1	29 May
"	E	Communication Plan	26 May
"	F	Attack Force Air Support Plan	26 May
		Addenda No.1	29 May
"	G	Medical Plan	To follow
"	H	Loading Plan	29 May
"	I	Unloading Plan	29 May
"	J	Reconnaisance & Beach Demolition Plan	26 May
"	K	Minesweep & Hydro. Instructions	29 May
"	L	Logistic Plan	26 May
		Addenda No.1 & Correction Sheet No.1	29 May
"	M	Protective and Night Cruising Plan	To follow
"	N	Harbor Attack Plan	To follow
"	O	SOPA Instructions	To follow
Movement Order A163-44			23 May
Annex	A	Cruising Instructions & Dispositions for TG 53.1 & Correction Sheet No.1	26 May
"	B	Sortie Plan GUADALCANAL for TG 53.1	26 May
"	C	Entry Plan KWAJALEIN for TG 53.1	26 May
"	D	Anchorage Plan KWAJALEIN for TF 53	26 May
"	E	Sortie Plan KWAJALEIN for TG 53.1	26 May
Approach Plan A164-44			Herewith
Annex	A	Approach Chart	Herewith
Attack Order A165-44			26 May
Annex	A	3rd MarDiv Op.Plan No.2-44	To follow
"	B	Naval Gunfire Support Plan(less appendix 7)(Appendix 7 to follow)	29 May
"	C	Minesweep.& Hydrographic Plan (ASAN)	To follow
"	D	Smoke Plan	To follow
"	E	Attack Areas Chart	Herewith

Joint Correction Sheet No.1 to OpPlan A162-44; No. 2 to Movement Order A163-44; No. 1 to Attack Order A165-44. Herewith

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S.H. HAHN,
By direction.

18 Sep 1944

[redacted] C2919 [redacted]

[redacted]

N-A-V-A-L S-P-E-E-D-L-E-T-T-E-R

File No: A8
Serial No: 00158

7 June 1944

From: Commander Group THREE, FIFTH Amphibious Force.
(Commander Task Force FIFTY-THREE)
To: Task Force FIFTY-THREE.

Subject: Security of information from Ultra Sources.

Reference: (a) PacFlt Ltr 2L-43.
(b) PacFlt Ltr 22L-43.

1. Civilian war correspondents accredited to the U. S. Pacific Fleet are embarked in various ships for the forthcoming operation. Conditions during the assault phase may result in their boarding ships other than those initially assigned.

2. In complying with paragraph 16 of reference (a), and with reference (b), Commanding Officers are directed to insure,

(a) That no indication be given to war correspondents of the existence of Ultra sources of intelligence information,

(b) That no information be given war correspondents which has been received, or deduced from intelligence information received, from Ultra sources.

S. H. HAHN,
Flag Secretary.

W. E. MOORE
Chief of Staff

ATTENTION ADDRESSEE: Address reply exactly as indicated on right.

Commander Group THREE,
FIFTH Amphibious Force,
% Fleet Post Office,
San Francisco, California.

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18 SEP 1944
uthority of AC of S, G-2, WDGS

[redacted] DECLASSIFIED
E. S. JOHNSTON
Colonel, Infantry
CUSTODIAN

18 SEP 1944

O.M. # 11-ND-1235.

File No.
A16-3/(02)

Serial: 00034.

SOUTHERN ATTACK FORCE
TASK FORCE FIFTY-THREE
17 May 1944

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[redacted]

Copy No. 545

Operation Plan No.
A162-44.

TASK ORGANIZATION

SOUTHERN Attack Force (TF 53) — Rear Admiral Conolly

(a) Force Flagship — Captain Fernald
AGC1 APPALACHIAN — 1 AGC

(b) Headquarters, GUAM Support Aircraft — Commander Miller

(c) Troops and Landing Force — Maj.Gen. Geiger, USMC.

(1) Landing Forces — Maj.Gen. Geiger, USMC.
Headquarters, Third Amphibious Corps
Third Marine Division (reinforced)
First Provisional Marine Brigade (reinforced)
Corps Troops
Corps Artillery

(2) GUAM Garrison Forces (TG 10.11) — Maj.Gen. Larsen, USMC.
Ninth Marine Defense Battalion
Fourteenth Marine Defense Battalion
Fifth Field Depot
Acorn 35 (seaplane)
Acorn 38
Argus 17
Army Air Warning Signal Company 746.
Marine Air Warning Squadron TWO.
Lion 6 with 5 construction and 1 stevedore battalions.
One Marine Aviation Engineer Battalion.

(d) Northern Attack Group (TG 53.1) — Rear Admiral Conolly

TransDiv 2 — Captain Baker
APA18 PRES. JACKSON (F)
APA19 PRES. ADAMS (LCC)
APA20 PRES. HAYES
AP104 PRES. MONROE
AKA13 TITANIA (LCC)
3 APA
1 AP
1 AKA

TransDiv 8 — Captain Talbot
APA21 CRESCENT CITY (F)
APA53 WARREN (LCC)
APA55 WINDSOR
AP7 WHARTON
AKA12 LIBRA (LCC)
3 APA
1 AP
1 AKA

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Operation Plan No.
A162-44.

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(d) Northern Attack Group (TG 53.1) (continued)

TransDiv 24	Captain Buchanan	
APA41 DUPAGE (F) (LCC)		
APA42 ELMORE		3 APA
APA54 WAYNE (LCC)		1 APH
APH3 RIXEY		1 AKA
AKA16 AQUARIUS		
LSD Division One (temporary)	Commander Martin	
LSD4 EPPING FOREST (F) (LCT 945)		2 LSD
LSD5 GUNSTON HALL (LCT 969)		2 LCT
BatDiv 3 less MISSISSIPPI plus PENNSYLVANIA	Rear Admiral Weyler	
BB40 NEW MEXICO (F)		
BB42 IDAHO		3 BB
BB38 PENNSYLVANIA		
CruDiv 6 less SAN FRANCISCO, NEW ORLEANS plus ST. LOUIS	Rear Admiral Joy	
CA45 WICHITA (F)		2 CA
CA36 MINNEAPOLIS		1 CL
CL49 ST. LOUIS		
DesDiv 49 less MURRAY plus SCHROEDER, ~~PHILIPS, SHAW~~ (Colahan)	Captain Thompson	
DD574 JOHN RODGERS (F)		
DD479 STEVENS		
DD573 HARRISON		
DD575 McKEE		6 DD
DD501 SCHROEDER (FD)		
~~DD360 PHILIPS~~ (DD658 Colahan)		
~~DD373 SHAW~~		
DesDiv 90	Commander Taylor	
DD515 ANTHONY (F)		
DD516 WADSWORTH		
DD513 TERRY		4 DD
DD630 BRAINE		
DesDiv 94 less FRANKS, JOHNSTON	Commander Nevins	
DD555 HAGGARD		
DD556 HAILEY		2 DD
DesRon 48 less BLACK	Captain Bottom	
DD631 ERBEN (F)		
DD517 WALKER		
DD642 HALE		
DD629 ABBOT		8 DD
DD644 STEMBEL		
DD660 BULLARD		
DD661 KIDD		
DD667 CHAUNCEY		

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(d) Northern Attack Group (TG 53.1) (continued)

DesRon 1	Captain McLean	
DD349 DEWEY (F)		
DD350 HULL		
DD351 MacDONOUGH		
DD348 FARRAGUT		7 DD
DD354 MONAGHAN		
DD353 DALE		
DD355 AYLWIN		
CarDiv 22 less SANTEE	Rear Admiral Ragsdale	
CVE26 SANGAMON (F)		
CVE27 SUWANNEE		3 CVE
CVE28 CHENANGO		
CarDiv 24 less NATOMA BAY, MANILA BAY	Rear Admiral Stump	
CVE58 CORREGIDOR (F)		
CVE57 CORAL SEA		2 CVE
MinDiv 19 less PALMER, HOWARD, plus HOPKINS	Lieut.Comdr. Sublette	
DMS6 HOGAN (F)		
DMS8 STANSBURY		3 DMS
DMS13 HOPKINS		
MinDiv 3 less SWALLOW, SHELDRAKE	Lieut.Comdr. Estep	
AM63 SKYLARK (F)		
AM64 STARLING		2 AM
APD 21 Dickerson	Commander Wilhelm	
U.D.T. No. 3 (Lieut. Crist)		1 APD
Tractor Group Three	Captain Carter	
LST Unit Three	Commander Busck	
LST's 488 (F), 70, 117, 118, 123, 125, 207, 219, 220, 241, 247, 269, 343, 399, 449, 447.		16 LST
LCI Group 37	Commander McCaleb	
LCI(G)'s 466 (F), 464, 465, 467, 468, 469, 471, 472, 473.		9 LCI(G)
AT67 APACHE		1 AT
ARS7 GRAPPLE		1 ARS
ARL3 AGENOR		1 ARL
AN6 ALOE		2 AN
AN19 HOLLY		
PC's 549, 555, 1125.		3 PC

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(d) Northern Attack Group (TG 53.1) (continued)

SC's 504, 521, 667; 724 (control), 727 (control), 1273. — 6 SC

YMS's 216 (F), 136, 184, 195, 237, 242. Lieutenant Law — 6 YMS

Northern Landing Force — Maj.Gen. Turnage, USMC.
Third Marine Division (reinforced)

(e) Southern Attack Group (TG 53.2) — Commodore Reifsnider

TransDiv 4 — Captain McGovern
APA3 ZEILIN (F)
APA49 ORLSBY (LCC)
APA27 GEORGE CLYMER (GF) (LCC)
AP103 PRES. POLK
AKA20 VIRGO (LCC)
3 APA
1 AP
1 AKA

TransDiv 6 — Captain Brittain
APA43 FAYETTE (F) (LCC)
APA10 HARRY LEE
APA8 W. P. BIDDLE
APA56 LEEDSTOWN
AKA17 CENTAURUS (LCC)
4 APA
1 AKA

LSD3 CARTER HALL (LCT 971) Lt. Cdr. Harris,
1 LSD
1 LCT

CruDiv 9 less ST. LOUIS, plus SAN FRANCISCO and NEW ORLEANS — Rear Admiral Ainsworth
CL48 HONOLULU (F)
CA38 SAN FRANCISCO
CA32 NEW ORLEANS
1 CL
2 CA

DesDiv 50 less SCHROEDER, plus MURRAY, BLACK, FRANKS, JOHNSTON, ~~COLAHAN~~. — Commander Crommelin
DD500 RINGGOLD (F)
DD502 SIGSBEE (FD)
DD659 DASHIELL
DD576 MURRAY
DD666 BLACK
DD554 FRANKS
DD557 JOHNSTON
~~DD656 COLAHAN~~
7 DD

DesDiv 89 — Captain Earle
DD474 FULLAM (F)
DD472 GUEST
DD473 BENNETT
DD480 HALFORD
DD475 HUDSON
5 DD

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Operation Plan No.
A162-44.

(e) Southern Attack Group (TG 53.2) (continued)

MinDiv 4 less ZANE, TREVER, plus LONG	Commander Sampson
DMS18 HAMILTON (F)	
DMS17 PERRY	3 DMS
DMS12 LONG	
MinDiv 3 less SKYLARK, STARLING	Lieut.Comdr. Porter
AM62 SHELDRAKE (F)	
AM65 SWALLOW	2 AM
APD7 TALBOT	Lieut.Comdr. Morgan
U.D.T. No. 4 (Lieut. Carberry)	1 APD
DD244 WILLIAMSON (AVD)	Lt.Comdr. Pridmore
Tractor Group Four	Commander McFall
LST Unit Four	Commander Cutler
LST's 446 (F), 38, 41, 78, 122, 221, 227, 243, 270, 276, 476, 477, 478, 479, 481, 482.	16 LST
LCI Division 15 (temporary)	Lieut. Rabenstein
LCI(G)'s 442 (F), 366, 437, 450, 365, 439, 440, 474, 475.	9 LCI(G)
APc46	1 APc
AT85 LIPAN	1 AT
PC's 1126, 1127, 1136.	3 PC
SC's 1319, 1325 (control), 1326, 1328 (control).	4 SC
YMS's 281 (F), 260, 266, 241, 270, 272.	Lieut. McCarthy 6 YMS
Southern Landing Force	Brig.Gen. Shepherd, USMC.
First Provisional Marine Brigade (reinforced)	

(f) Bombardment Group Two (TG 53.15) Rear Admiral Ainsworth

BatDiv 3 less MISSISSIPPI plus PENNSYLVANIA	Rear Admiral Weyler
BB40 NEW MEXICO (F)	
BB42 IDAHO	3 BB
BB38 PENNSYLVANIA	

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(f) Bombardment Group Two (TG 53.15) (continued)

CruDiv 6	Rear Admiral Joy	
CA45 WICHITA (F)		
CA36 MINNEAPOLIS		4 CA
CA38 SAN FRANCISCO		
CA32 NEW ORLEANS		
CruDiv 9	Rear Admiral Ainsworth	
CL48 HONOLULU (F)		
CL49 ST. LOUIS		2 CL
CarDiv 24 less NATOMA BAY, MANILA BAY	Rear Admiral Stump	
CVE58 CORREGIDOR (F)		
CVE57 CORAL SEA		2 CVE
DesRon 45	Captain Earle	
DD474 FULLAM (F)		
DD472 GUEST		
DD473 BENNETT		
DD480 HALFORD		
DD475 HUDSON		9 DD
DD515 ANTHONY		
DD516 WADSWORTH FD		
DD513 TERRY		
DD630 BRAINE		
DesDiv 96 less BLACK	Commander Carroll	
DD660 BULLARD (F)		
DD661 KIDD		3 DD
DD667 CHAUNCEY		
DesRon 1	Captain McLean	
DD349 DEWEY (F)		
DD350 HULL		
DD351 MacDONOUGH		
DD348 FARRAGUT		7 DD
DD354 MONAGHAN		

"(g) Defense Group Two (TG 51.3)

LST 71 (with LCT 1000)	
LST 29 (with pontoon causeway)	4 LST
LST 244 (with pontoon causeway)	1 LCT
LST 334	4 YMS
YMS's 151, 321, 267, 322."	1 PCS
PCS 1457	

YMS's 151, 321, 322, 267.	4 YMS

Attached elements of defense battalions and service units.

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Operation Plan No.
A162-44.

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(h) Garrison Group Three (TG 51.6) Commander Guthrie

J.H. KINCAID, TYPHOON.	2 XAP
ARA, DRACO, CETUS.	3 AK
SOUTH AFRICAN VICTORY (resupply vessel)	1 XAK
DIONNE, CANFIELD.	2 DE

Attached elements of defense battalions and service units. Ground personnel and equipment of Marine Air Group 21.

(i) Garrison Group Four (TG 51.7) Captain Lustie

YOUNG AMERICA	1 XAP
COR CAROLI, STEROPE.	2 AK
U.S. VICTORY, CAPE MARTIN (resupply vessels)	2 XAK
LEVY (F), McCONNELL, OSTERHAUS, PARKS.	4 DE

Attached elements of defense battalions and service units.

1. Information.

(a) This Operation Plan is derived from Task Force 51 Operation Plan No. A10-44 for Operation FORAGER.

(b) The Northern Attack Force (TF-52) will capture and occupy SAIPAN, beginning Dog Day.

(c) Designated vessels of the Southern Attack Force (TF-53) comprise Bombardment Group Two which will:

(1) Move to the objective under the direction of Commander Task Force 51 in advance of the movement of Task Force 53 Attack Groups.

(2) Bombard enemy gun positions on TINIAN on Dog minus one Day.

(3) Support the landings on SAIPAN on Dog Day.

(d) DesRon One will join Bombardment Group Two about D-Day.

(e) Task Force 53 will be brought to a position from which, if ordered, landings may be made on GUAM on Dog plus Two Day. However, it is estimated that the major landings on GUAM will not be made before Dog plus Three.

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(f) Directions for the movement of forces from loading and staging areas are contained in Task Force 53 Movement Order No. A163-44.

(g) Directions for the approach to objectives are contained in Task Force 53 Approach Plan No. A164-44.

(h) Directions for the Assault Phases are contained in Northern Attack Group Attack Order No. A165-44 and Southern Attack Group Attack Order No. A3-44 respectively.

2. This force will:

(a) Act as floating reserve for the Northern Attack Force (TF-52) during the landing on SAIPAN.

(b) When directed, capture, occupy and defend the Island of GUAM.

(c) Initiate the development of an advanced base and airfields on GUAM, in order to establish a base to support further operations against the enemy.

3. (a) Force Flagship.

Operate as directed by Commander Task Force 53, initially with the Northern Attack Group.

(b) Commander GUAM Support Aircraft.

Direct operations of Support Aircraft GUAM, in support of both the landings at ASAN and at AGAT, in execution of the Air Support Plan, Annex "F".

(c) Troops and Landing Force.

On order, capture, occupy and defend GUAM, in accordance with III PhibCorps Operation Plan No. 7. Initiate the establishment of an advance base and construction of airfields.

(d) Northern Attack Group.

Commencing at How Hour on William Day, land and firmly establish ashore on designated beaches in the ASAN Area, the Third Marine Division, in accordance with the Landing Plan of Attack of the Commanding General, Northern Landing Force. Provide naval gunfire and air support for the transports, the landing, and for the troops ashore in accordance with the General Bombardment, Fire Support and Air Support Instructions, Annex "D".

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(d) Northern Attack Group (Cont'd)

Reconnoiter landing beaches and conduct and support underwater demolitions in accordance with Reconnaissance and Beach Demolition Plan, Annex "J". Conduct Minesweeping Operations and Hydrographic Survey in accordance with Annex "K". Enroute to objective, at KWAJALEIN, transfer assault troops from transports to LST's.

(e) Southern Attack Group.

Commencing at How Hour on William Day, land and firmly establish ashore on designated beaches in the AGAT Area, the First Provisional Marine Brigade and the III PhibCorps Artillery in accordance with the Landing Plans of attack of the respective Landing Force Commanders. Provide naval gunfire support for the transports, the landing, and for the troops ashore, in accordance with the General Bombardment, Fire Support and Air Support Instructions, Annex "D". Request from CTF-53 such Air Support in addition to that scheduled as may be required. Reconnoiter landing beaches and conduct and support underwater demolitions in accordance with Reconnaissance and Beach Demolition Plan, Annex "J". Conduct Minesweeping and Hydrographic Survey in accordance with Annex "K". Enroute to objective, at KWAJALEIN, transfer assault troops from transports to LST's. Provide off AGAT beaches, plane reservicing facilities for battleship and cruiser seaplanes.

(f) Bombardment Group Two.

Conduct preparation bombardment (air and gunfire) of GUAM landing areas and defensive positions in accordance with General Bombardment Instructions, Annex "D". Execute pre-assault beach reconnaissance and demolition by Underwater Demolition Teams Three and Four on William minus Two and William minus One in accordance with Annex "J", and cover same with gunfire and aircraft attack. Upon Approach Plan No. A164-44 becoming effective, Bombardment Group Two dissolved, detachments proceed as directed to join task groups to which assigned for the approach and thereafter to assigned stations for the attack.

(g) Defense Group Two.

Join and /proceed to objective in company with Assault LST's of Tractor Group Four. Launch LCT's to carry out unloading operations as directed by Commander Southern Attack Group, priority being given to unloading corps artillery.

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(h) Garrison Group Three.)
(i) Garrison Group Four.)

On arrival at objective, carry out unloading operations as directed by Commander Task Force 53 or his Second in Command.

(x) (1) This Plan is effective at 1730, zone zero time, 24 May 1944.

(2) Destroy or drive off enemy surface forces attempting to interfere with movement to or operations at objective in accordance with "Battle Plan for Combatant Surface Units at Objective" prepared by Commander Bombardment Group Two (ComCruDiv-9).

(3) Take protective measures and operate at night while at objective in accordance with "Protective and Night Cruising Plans at Objective", Annex "M".

(4) Commander Southern Attack Group, as Second in Command, Task Force 53, will, as soon as the Port of APRA is seized and opened and for the duration of the amphibious phases, assume responsibility for the following functions:

(a) Minesweeping, wire-dragging and hydrographic survey of the harbor.

(b) Establishment of seaplane reservicing facilities.

(c) Assignment of anchorages, pilotage, and all naval port activities until responsibility therefor is transferred to Commander Naval Activities of the Garrison Force.

(d) Supervision of all unloading activities.

(e) Establishment of boat pool.

(f) Direction of salvage activities. Commander Genereaux,U.S.N.R., TF-53 Salvage Officer, will be embarked in GEORGE CLYMER. (Also in charge salvage prior to capture of harbor).
(g) Harbor protection measures, including harbor patrols, smoke protection.

(h) Provide one LST, designated by Commander LST Flot 5, to serve as a temporary fleet post office and as a fuel storage vessel and tender for small craft. This will be in addition to AGENOR.

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(5) CTF-53 will retain control of off-shore patrols, inter-area movements of combatant ships of the Support Groups and sailings of convoys.

(6) Until the harbor is captured, damaged vessels in danger of sinking will beach themselves on the nearest captured beachhead, in positions where capture by the enemy is not possible. After the port is taken, damaged vessels will beach, if practicable, inside the port at positions assigned by SOPA.

4. (a) Logistic Support as in Logistic Plan, Annex "L".

(b) The WINDSOR and ORMSBY of the Northern and Southern Attack Groups respectively are designated to embark and evacuate prisoners of war from the combat area.

5. (a) Dog Day is fifteen June, 1944, zone minus Ten Time, East Longitude Date.

(b) How Hour will be signalled.

(c) Communications in accordance with Annex "E".

(d) Use zone zero time in dispatches. At all times while between longitude one eight zero and one five seven thirty East Longitude, use zone minus eleven time as local time, and use East Longitude Dates. While west of one five seven thirty East Longitude, use minus Ten Time and East Longitude Dates. How Hour and other lettered hours, will be expressed in zone minus Ten Time, East Longitude date. When time is used in the text of dispatches, include the appropriate zone description letters.

(e) Action reports shall be submitted strictly in accordance with Pac Flt Confidential Letter 2CL-44. Except for the advance copies of action reports to be forwarded direct to Commander-in-Chief, U.S. Fleet and to CinCPoa, all reports shall be forwarded via the chain of operational command and general distribution will not be made until released by CTF-53.

(f) Commander Task Force 53; Commanding General, Troops and Landing Force (ComGen III PhibCorps); and Commander Support Aircraft STEVEDORE; in APPALACHIAN. Second-in-Command, Task Force 53, in GEORGE CLYMER. Second-in-Command, Troops and Landing Force (ComGen Third Marine Division) in DUPAGE.

R. L. CONOLLY,
Rear Admiral, USN
Commander Task Force FIFTY-THREE.

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Operation Plan No.
A162-44

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ANNEXES:

"A" - ThirdPhibCorps OpPlan No. 1-44.
"B" - Intelligence Plan.
"C" - Operations Chart.
"D" - General Bombardment (Air and Gunfire) Fire Support and Air Instructions.
  (a) Pre-W-Day (William minus Two and William minus One Day)
  (b) W-Day to How Hour.
  (c) How Hour and Subsequent.
"E" - Communication Plan.
"F" - Attack Force Air Support Plan (includes provision for Air Support for both ASAN and AGAT Landings and Landing Force Operations).
"G" - Medical Plan.
"H" - Loading Plan.
"I" - Unloading Plan.
"J" - Reconnaissance and Beach Demolition Plan.
"K" - General Minesweeping and Hydrographic Instructions.
"L" - Logistics Plan.
"M" - Protective and Night Cruising Plan at Objective.
"N" - Harbor Attack Plan.
"O" - SOPA Instructions.

DISTRIBUTION:

COMINCH (Airmail)	8	CG FIRSTMARPROVBRIG	10
CINCPAC	10	CG FWDAREA	1
COMFIFTHFLEET	5	COMTRANSGRP THIRDPHIB	8
COMGENCENPAC	2	COMLANDCRAFTFLOTS	1
COMTHIRDFLEET	2	COM LST FLOT 5	5
COMPHIBSPAC	25	COM LST GRP 13	1
COMGROUPONE FIFTHPHIB(CTG 51.1)	75	COM LST GRP 15	1
COMGROUPTWO FIFTHPHIB	2	COM LST GRP 38	1
COMSOWESPAC	2	COMTRANSGRP 3, 5TH PHIB	4
ADMINCOMFIFTHPHIB	3	COMTRANSDIV-2	2
COMTHIRDPHIB	1	COMTRANSDIV-4	4
COMSEVENTHPHIB	1	COMTRANSDIV-6	2
CINCSOWESPAC	1	COMTRANSDIV-8	2
JICPOA	1	COMBATDIV-3	2
CNB FWDAREA	1	COMCRUDIV-6	2
COM FWD AREA CENPAC	1	COMCRUDIV-9	2
COMAIRPAC	2	COMCRUDIV-12	2
COMAIRSOPAC	1	COMCARDIV-22	2
COMSERVPAC	1	COMCARDIV-24	2
COMSUBSPAC	2	COMDESRON-1	2
COM MARSHALL IS. SUB AREA	1	COMDESRON-25	2
COMCRUPAC (COMDESPAC)	1	COMDESRON-45	2
CG THIRDPHIBCORPS	35	COMDESRON-48	2
CG FIFTHPHIBCORPS	4	COMDESDIV-2	2
CG THIRDMARDIV	15	COMDESDIV-50	2

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DISTRIBUTION: (Continued)

COMDESDIV-90	2	CHENANGO	2
COMDESDIV-94	2	SANTEE	1
COMDESDIV-96	2	CORAL SEA	2
COMCORTDIV-11	1	CORREGIDOR	2
COMINDIV-3	1	PHELPS	1
COM LCI GRP 37	1	SHAW	1
PRES. JACKSON	2	COLAHAN	1
PRES. ADAMS	2	DEWEY	1
PRES. HAYES	2	HULL	1
PRES. MONROE	2	MACDONOUGH	1
TITANIA	2	FARRAGUT	1
ZEILIN	2	MONAGHAN	1
ORMSBY	2	DALE	1
GEORGE CLYMER	3	AYLWIN	1
PRES. POLK	2	JOHN RODGERS	1
VIRGO	2	STEVENS	1
FAYETTE	2	HARRISON	1
HARRY LEE	2	McKEE	1
W.P. BIDDLE	2	MURRAY	2
LEEDSTOWN	2	RINGGOLD	1
CENTAURUS	2	SCHROEDER	2
CRESCENT CITY	2	SIGSBEE	2
WARREN	2	DASHIELL	1
WINDSOR	2	HALFORD	1
WHARTON	2	GUEST	1
LIBRA	2	BENNETT	1
DUPAGE	2	FULLAM	1
ELMORE	2	HUDSON	1
WAYNE	2	ANTHONY	1
RIXEY	2	WADSWORTH	2
AQUARIUS	2	TERRY	1
APPALACHIAN	3	BRAINE	1
NEW MEXICO	2	HAGGARD	1
IDAHO	2	FRANKS	1
PENNSYLVANIA	2	HAILEY	1
WICHITA	2	JOHNSTON	1
MINNEAPOLIS	2	ERBEN	1
NEW ORLEANS	2	WALKER	1
SAN FRANCISCO	2	HALE	1
HONOLULU	2	ABBOT	1
ST. LOUIS	2	STEMBEL	1
BIRMINGHAM	1	BULLARD	1
CLEVELAND	1	KIDD	1
MONTPELIER	1	BLACK	1
CARTER HALL	2	CHAUNCEY	1
EPPING FOREST	2	WILLIAMSON	1
GUNSTON HALL	2	POCOMOKE	1
SANGAMON	2	DENT	1
SUWANNEE	2	TALBOT	1

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A162-44.

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DISTRIBUTION: (Continued)

SHELDRAKE	1
SKYLARK	1
SWALLOW	1
STARLING	1
HOPKINS	1
PERRY	1
HAMILTON	1
LONG	1
HOGAN	1
STANSBURY	1
LEVY	1
McCONNELL	1
OSTERHAUS	1
PARKS	1
BARON	1
ACREE	1
AGENOR	1
GRAPPLE	1
APACHE	1
LIPAN	1
ALOE	1
HOLLY	1
APc46	1
CTG 51.3 (Def.Grp. 2)	1
CTG 51.6 (Gar.Grp. 3)	1
CTG 51.7 (Gar.Grp. 4)	1

SC's 504, 521, 667, 724, 727, 1273, 1319, 1325, 1326, 1328 (1 each).

PC's 549, 555, 1125, 1126, 1127, 1136 (1 each).

YMS's 136, 184, 195, 216, 237, 242, 266, 241, 270, 272, 281, 260, 151, 321, 322, 267 (1 each).

LCI's 366, 365, 439, 440, 437, 450, 442, 465, 464, 466, 467, 468, 469, 471, 472, 473, 474, 475, (1 each).

LST's 476, 477, 478, 479, 481, 482, 78, 241, 243, 38, 122, 221, 270, 449, 207, 343, 399, 488, 70, 123, 125, 41, 276, 227, 117, 118, 219, 220, 247, 269, 446, 447, 119, 213, 19, 272, ___ (1 each).

LCT's 945, 969, 971 (1 each).

UDT #3	1
UDT #4	1
STAFF	50
EXTRAS	50

DEFERRED DISTRIBUTION:

CNO	2
NAVAL WAR COLLEGE	1
ARMY-NAVY STAFF COLLEGE	1
COMPHIBTRAINPAC	2
MARINE SCHOOL, QUANTICO	1
COMPHIBTRAINLANT	1
COMDT MARCORPS	1
MARPAC	1
C & GS SCHOOL, LEAVENWORTH	1

S. H. HAHN,
Flag Secretary.

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ANNEX "B" TO
COMMANDER SOUTHERN ATTACK FORCE (TF 53)
OPERATION PLAN NO. A162-44

Copy No. 546

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5. Tide Prediction Table
6. Daylight and Dark Table
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8. Chart of Defense Installations
9. Intelligence Doctrine
10. Extracts from Preliminary Submarine Reconnaissance Report

*See also Appendix #10.

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18 SEP 1944

O.M.# 11-ND-1335

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ANNEX "B" TO
COMMANDER SOUTHERN ATTACK FORCE (TASK FORCE 53)
OPERATION PLAN NO. A152-44

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INTELLIGENCE MATERIAL DISTRIBUTED SEPARATELY

Following material has been distributed to TASK GROUP COMMANDERS for dissemination to all ships and units under their commands. For distribution purposes, the task organization defined in ComGroupTHREE, FIFTH PhibFor Secret Training Order, No. A151-44, has been used.

Description	No. of sheets
Grid charts for Forager (layout of Special Grid system)	5
Guam - Gridded chart 1" equals 1 nautical mile (For use on DRT)	1
Guam - Gridded chart 2" equals 1 nautical mile (showing target areas and anchorages (For use on DRT)	3
Guam - Map 1:20,000 (Air and Gunnery Target Map) (Showing beaches, target areas, and enemy installations) (For use on all ships and units)	11
Guam - Map 1:62,500 (Gridded map for general use)	1
Saipan, Tinian, Aguijan Map 1:20,000 (Air and Gunnery Map) (Showing beaches, target areas, and enemy installations) (For use by all ships and units) (Remaining 1 sheet will be distributed when received)	8 of 9 sheets
Set of H.O.Charts (Nos. 6044, 6045, 6059, 6060, 6062, 6061, 6063, 6055, 6056, 6057, 6054 (from captured Japanese charts)	11
Anchorage charts of: ROI - H.O.F.C. #4004, 41 and 42. KWAJALEIN - H.O.F.C. 38, 39, and 40 ENIWETOK - H.O.F.C. 2009 MAJURO - H.O.F.C. 2005, 2006, 2007, 2008	11
Photographs and Silhouettes of U.S. and Enemy Aircraft Likely to be Encountered	5
Rota - Map 1:20,000	4
Rota - Map 2" equals 1 mile	1
Rota - Map 1" equals 1 mile	1
Saipan and Tinian, map 2" equals 1 mile	1 of 2
Saipan and Tinian, map 1" equals 1 mile	1

Subsequent intelligence material will be distributed as received.

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(Sheet No. 1)

PREPARED BY INTELLIGENCE SECTION
GROUP 3, AMPHIBIOUS FORCES PACIFIC FLEET

DEFENSE INSTALLATIONS
ISLAND OF GUAM

Map Scale: 2" = 1 Nautical Mile

SECRET

[Change to Restricted in Combat Area]

Based on Photographic Reconnaissance Prior to and including June 30 1944. Cloud Coverage Renders Interpretation Incomplete.



DEFENSE INSTALLATIONS

NUMBER SHOWN WITH SYMBOL INDICATES NUMBER OF GUNS ETC. ALL DOTTED SYMBOLS ARE PROBABLE

- COSTAL DEFENSE GUN
- HEAVY AA
- DUAL PUPOSE
- LIGHT AA
- MACHINE GUN
- COVERED ARTILLERY
- PILLBOX
- EMPTY-UNIDFNTIFIED
- ANTI-BOAT GUN
- GUN TOWER
- FIELD ARTILLERY
- RADAR
- RADIO STATION
- AMMUNITION STORAGE
- SEARCHLIGHT
- TRENCH
- TANK TRAP
- UNDERWATER OBSTACLES
- BARBED WIRE ENTANGLEMENTS
- SUPPLY AREA
- ACTIVITY OR STRONG POINT
- OBSERVATION POST

CHARACTERISTICS OF TRACE ACTIVITY AND SIZE OF DISPERSAL AREAS INDICATES POSSIBILITY OF PRESENCE OF TANKS AND MOBILE ARTILLERY

KEY GRID

A	B	C	D	E
F	G	H	I	J
K	L	M	N	O
P	Q	R	S	T
U	V	W	X	Y

FP

Saupon Pt.

TOM

AGANA BAY

Alupat Is.

Timoneng

BUTCH

Adelup Pt.

Camel Rock

ASAN

Asan Pt.

Anigua

ROB

AGANA

Piti

Pedro

Pulan

AKE

RALPH

DICK

BILL

BERT

JIM

JOE

SID

CABRAS IS.

Luminao Reef

Sunken Ship

Torpedo Nets

APRA HARBOR

Orote Pt.

OROTE IS.

SARGE

SUMAY

Fort Santa Cruz (Ruins)

TEPUNGAN

SINENGSONG

Strong Point

Laguda

PETE

SAL

ANN

MACAJNA MT.

CHACHAO MT.

Fonte

River

OROTE IS.
Orote Pt.
SUMAY
SARGE
PETE
SAL
ANN
CHACHAO MT
Haputo Pt.
NEYE IS.
PAT
AGAT BAY
Pelagi Rock
HANK
AGAT
Salinas Beach
Gaan Pt.
BUCK
PUG
FRITZ
YONA IS.
ALUTOM IS.
Bangi Pt.
ALIFAN MT.
SUE
JANE
ANAE IS.
Taelayag Beach
JOHN
ALMAGOSA MT
Facpi Pt.
LAMLAM MT.
Achugao Pt.
Chii Pt.
JUMULONG MANGLO MT.
Pinay Pt.
Abong Beach
CETTI BAY
Fouha Pt.
FOUHA BAY
UMATAC
UMATAC BAY
Goguan Pt.
Mamatgun Pt.
MT. SCHROEDER
SASALAGUAN MT.
MT. TENJO
Strong Point
Activity
River

FP

FQ

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KEY GRID

(Sheet No. 2)

PREPARED BY INTELLIGENCE SECTION
GROUP 2, AMPHIBIOUS FORCES PACIFIC FLEET

DEFENSE INSTALLATIONS
ISLAND OF GUAM

Map Scale: 2" = 1 Nautical Mile

SECRET

[Change to Restricted in Combat Area]

Based on Photographic Reconnaissance Prior to and including June 30 1944. Cloud Coverage Renders Interpretation Incomplete.

DEFENSE INSTALLATIONS

NUMBER ITEMS WITH SYMBOL INDICATES NUMBER OF GUNS ETC. ALL DOTTED SYMBOLS ARE PROBABLE

- COSTAL DEFENSE GUN
- HEAVY AA
- DUAL PURPOSE
- LIGHT AA
- MACHINE GUN
- COVERED ARTILLERY
- PILLBOX
- EMPTY-UNIDENTIFIED
- ANTI-BOAT GUN
- GUN TOWER
- FIELD ARTILLERY
- RADAR
- RADIO STATION
- AMMUNITION STORAGE
- SEARCHLIGHT
- TRENCH
- TANK TRAP
- UNDERWATER OBSTACLES
- BARBED WIRE ENTANGLEMENTS
- SUPPLY AREA
- ACTIVITY OR STRONG POINT
- OBSERVATION POST

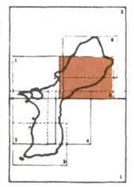
CHARACTERISTICS OF TRACK ACTIVITY AND SIZE OF DISPERSAL AREAS INDICATE POSSIBILITY OF PRESENCE OF TANKS AND MOBILE ARTILLERY

FP
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Airstrip Under Construction
Tanguisson Pt.
Activity
Amantes Pt.
Camp Area
Activity
Ukudu
Bijia Pt.
TUMON BAY
Activity
Liguan
Finegayan
Airstrip Under Construction
Tumon
TOM
BUTCH
Timoneng
Toto
Barrigada
Luayac
Taguan Pt.
Fadian Pt.
Warehouse Area
MT. SANTA ROSA
Anao Pt.
Mati Pt.
Catalina Pt.
Pagat
Pagat Pt.
Activity

GP

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KEY GRID

A	B	C	D	E
F	G	H	I	J
K	L	M	N	O
P	Q	R	S	T
U	V	W	X	Y

(Sheet No. 5)

PREPARED BY INTELLIGENCE SECTION
GROUP 3, AMPHIBIOUS FORCES, PACIFIC FLEET

DEFENSE INSTALLATIONS ISLAND OF GUAM

Map Scale: 2" = 1 Nautical Mile

SECRET

[Change to Restricted in Combat Area]

Based on Photographic Reconnaissance Prior to and including June 30 1944. Cloud Coverage Renders Interpretation Incomplete.

DEFENSE INSTALLATIONS

- COASTAL DEFENSE GUN
- HEAVY AA
- DUAL PURPOSE
- LIGHT AA
- MACHINE GUN
- TOWED ARTILLERY
- PILLBOX
- EMPLACEMENT IDENTIFIED
- ANTI-BOAT GUN
- GUN TOWER
- FIELD ARTILLERY
- RADAR
- RADIO STATION
- AMMUNITION STORAGE
- SEARCHLIGHT
- TRENCH
- TANK TRAP
- UNDERWATER OBSTACLES
- BARBED WIRE ENTANGLEMENTS
- SUPPLY AREA
- ACTIVITY OR STRONG POINT
- OBSERVATION POST

ANNEX "B" TO
COMMANDER SOUTHERN ATTACK FORCE (TF 53)
OPERATION PLAN NO. A162-44

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INTELLIGENCE PLAN

I - CHARACTERISTICS OF THE THEATRE

Reference (a) H.O. Chart #5360 Marianas Islands
(b) " " " #2186 Island of Guam
(c) " " " #4202 Island of Guam
(d) " " " #1850 Harbor of Apra, Guam
(e) Terrain Map, Marine Corps Schools, Quantico, Va., 11 sheets 1/20,000 corrected to 1/1/42.

1. GENERAL.

The Mariana Group is an island chain lying in a general north-south direction in the West Central Pacific. The northernmost island, Farallon de Pajaros, is in position 20°-33' N.- 144°-54' E. while the southernmost, Guam, lies in position 13°-26' N. and 144°-39' E. The remaining 13 islands of the group lie along a gentle arc between these two. The islands are of volcanic origin, partially covered and fringed with coral. Their general location and distances from other Pacific points are shown in Appendices 1 & 2.

2. HISTORY.

The Marianas were discovered by Magellan in 1521, and claimed by Spain in 1565. Guam was acquired by the United States in 1898 at the close of the Spanish-American war. Shortly thereafter, Spain sold the remainder of the Marianas to Germany, who lost them to the Allies at the beginning of the first world war. They were mandated to Japan at the close of that war. Guam was occupied by Japanese forces on December 10, 1941.

3. STRATEGIC SIGNIFICANCE

Guam is the southernmost and largest island of the group. Its strategic value lies principally in its geographic location. It will provide a base for naval and air forces, which can operate offensively against Japan's lines of communication from the Empire to the south and against her island bases in the western Pacific. Its economic importance is based also on its location. It is a way-station in a trans-Pacific air route and also a submarine cable relay point. Otherwise it has little economic value.

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ANNEX "B" TO COMMANDER SOUTHERN ATTACK FORCE
(TF 53) OPERATION PLAN NO. A162-44 (CONTINUED)

4. TOPOGRAPHY.

Guam is 34.5 statute miles long; its width varies from 5.2 to 9.2 miles and it is 228 square miles in area. It was formed by a volcanic uplift from the sea bottom and coral deposits now present on the uplands grew coincidently with its rise. The highest peak is in the southern part of the island and is 1334' high. The shore-line varies from high cliffs to coral beaches with occasional swampy lowlands. Inland, the terrain in the northern half consists of high plateau covered with tropical jungle partially cleared for farming. In the southern half, the terrain is rough, sloping to the east and west from the mountain ridge, which runs north and south along the western part of this section. It is covered with forest in the stream valleys and in the limestone section; and with grass in the volcanic sections. Swordgrass is predominant in the open country, making progress by foot troops difficult, since it cuts like a knife. This grass can be burned during the dry periods of the year. Earth tremors may occur frequently and destructive earthquakes have occurred.

5. LANDING BEACHES.

Except for a limited number of harbors and small bays, Guam is entirely surrounded by a reef in the form of an organic limestone shelf. On the eastern side of the island, this reef at its outer edge, has a lip of nullipore (vegetable coral). This lip is entirely absent on the reef on the western side, which has only occasional small coral heads at the edge and over the top of the shelf. Here, the edge of the reef is precipitous but irregular. The depth of water drops off quickly to five fathoms and then slopes away at an estimated gradient of 1 in 15 to beyond the limits of soundings. Rubber boats could get over the reefs at higher stages of the tide under favorable surf conditions on the western side of the island. LVT's can be used over the reef at most points where there is a substantial width of reef, except under severe surf or weather conditions. For a detailed analysis of selected landing beaches, see Appendices 3 and 4.

6. HYDROGRAPHY.

Except in a southerly direction, the sea surrounding Guam is hundreds of fathoms deep and, insofar as is known, free from navigational hazards. The area between the parallels of 12°-43', and 13°-06' N, and meridians of 144°-15' and 144°-43' E, southwest of Guam, has been reported to contain many dangerous shoals. However, a clear channel is believed to exist between this area and the southern end of Guam. Santa Rosa Reef, with a depth of 3-3/4 fathoms over it lies about 30 miles south-southwest of Guam. A bank with a depth of 25 fathoms lies about 15 miles east-southeast of Santa Rosa Reef. Galvez Bank lies approximately 15 miles from the southwest tip of Guam. It is

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charted as about 9 miles in length in a north-northeast and south-southwest direction, but with deep channels dividing it into three parts, with a depth of 15 fathoms on the northern. Great caution should be observed when in the vicinity of the above shoals, as their positions are uncertain.

Maximum SJ Radar range on high land of Guam is about 32000 yards (August 1943).

A fringing coral reef varying from 25 to 700 yards in width surrounds most of Guam. On the southwest point this reef extends 2-1/2 miles offshore.

The only large ship harbor is Apra Harbor on the west side of the island (see ref. (d) and (e)). The harbor provides good protection from all except westerly winds and seas. It is not large, however, and there is considerable foul ground. Buoys and marks have possibly been removed by the Japanese. Other smaller harbors exist in south Guam, several of which are suitable for LST's. The following schedule shows estimated landing craft possibilities in Apra and these smaller harbors. Hydrographic Surveys are required for verification of this data.

Apra Harbor Area

(1) Inboard side Luminao Reef (breakwater).

a) Nine LSTs or Fourteen LCTs could unload along a 300 yard stretch of reef with only about 180 feet of causeway required for each ship. (Central part of breakwater.)

b) Eight LSTs or Twelve LCTs could unload with 300 feet causeways required. (On either side of central section.)

(2) End of Oil Dock Causeway at Cabras Island.

a) Three LSTs or Five LCTs with about 180 feet causeway. (Since a single roadway must carry all cargo discharged onto the breakwater and the oil dock, it will be the limiting factor.)

(3) Sumay Channel.

Ten to Fifteen LCMs or barges.

(4) Piti Channel and Piti.

Many LCMs or barges. Note cut-off channel that lands practically on Cabras Island road.

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(5) Tepungan Channel.

Will be difficult to navigate channel.

Agat Bay Area

(1) Partial Channel at FP 775-035 near Anae Channel.

Area is cloud covered in large scale photos. Small scale photos do show channel but cannot be measured. Very likely one LCM could get in but causeway and blasting would be necessary. No good road out of area.

Facpi - Merizo Area.

(1) Madofan.

Possible to get in but very poor beach to land supplies as there is no exit except a poor trail to Facpi Point, from there only an unimproved road.

(2) Asmafnes.

Usable only in the most favorable weather conditions for one or two small craft.

(3) Cetti.

Inner half of harbor suitable only for small craft under daylight conditions. No improved road. Causeways would be necessary. Photographic coverage inadequate.

(4) Fouha or Foijha Bay.

Bay extends about 300 yards in from coastline and is considerably obstructed by coral heads in its inner part. Would be usable under favorable conditions and in daylight for smaller craft.

(5) Umatac Bay.

At least five LSTs could beach easily but would require tug service to come away from beach. Piers could be built at Umatac village for use by LCMs.

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ANNEX "B" TO COMMANDER SOUTHERN ATTACK FORCE
(TF 53) OPERATION PLAN NO. A162-44 (CONTINUED)

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(6) Toguan Bay.

Under favorable weather conditions in daylight bay might be used by 5 to 10 LCMs.

(7) Mamaon Channel.

Could probably handle 20-25 LSTs and same number of LCTs if entrance to channel is widened sufficiently to permit two-way traffic.

South Coast Area

(1) Usua Bay.

Two or three LCTs and several LCMs could probably be used.

(2) Asgadao Bay, Sumay Bay and Ajayan Bay.

No value.

Southeast Coast.

(1) Agfayan Bay.

Possible to use LCMs (10) but larger craft would be hampered due to bend in channel.

(2) Inarajan Bay.

LSTs (4) could be used but would probably require about 600 feet of causeway. Smaller craft could use the inner part of this harbor.

(3) Paulilue Bay.

Narrow entrance prevents use of LSTs or LCTs, small craft could probably discharge troops and equipment on selected parts of reef shelf.

(4) Togcha Bay.

Of doubtful use, maybe two LCMs.

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(5) Talofofo Bay.

First little shelter off the bay is now blocked by wrecked ship. The inland part of the bay would have room for eight LSTs or ten LCTs. In addition there is space for many LCMs.

(6) Ylig Bay.

On inner curve of bay 2 or 3 LSTs could beach but would require tug service to get off.

(7) Pago.

Very difficult to make suitable for use.

North Guam.

(1) Tarague.

Size of channel limits the value; if former dock is present might unload small quantities of supplies. Windward side - no shelter.

Asan - Tumon Area.

(1) Partial channel at Asan.

(2) Agana Channel.

Both of the above could handle a few LCMs, Agana is the better of the two.

7. DISCREPANCIES.

ONI-99 "Strategic Study of Guam" casts a certain doubt on the accuracy of the charts and maps referenced above. It is quoted in part as follows - "With respect to topography, it is believed that the contours are located with sufficient accuracy to adequately portray the general configuration of the ground, but that too much dependence should not be placed on their accuracy for such purposes as artillery map fire at small targets, determining intervisibility of points and like uses which require accuracy of topographic detail". This statement applies to reference (b) and (e), and is confirmed by Dr. H. T. Stearns, U. S. Geological Survey, who has detailed knowledge of the island. ONI-99 further states - "With respect to hydrography, it is believed that the reefs are in general correctly shown but that the scale of the maps and charts is such that too much dependence should not be placed on their accuracy as to small bay boat passages through the reef and like details."

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ANNEX "B" TO COMMANDER SOUTHERN ATTACK FORCE
(TF 53) OPERATION PLAN NO. A162-44 (CONTINUED)

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8. TIDES, CURRENTS, LIGHT & DARK PERIODS.

Tide Predictions, calculated in minus 10 time (King) are appended hereto as Appendix 5. Light and Dark Periods are tabulated in Appendix 6. A chart showing tides and light and dark periods graphically is appended as Appendix 7. Tides at Apra Harbor are chiefly semi-diurnal with a mean range of 1.6 feet and a diurnal range of 2.3 feet. The mean high water interval is 7 hours 40 minutes. Off Orote Point the flood current sets northward and the ebb to the southward. The surface current, however, may be 180° off from the strong sub-surface current, which provides the real set.

During the trade winds season an almost constant current sets southwestward along the northwest coast of Guam at a rate of one to two knots. It has been felt as far as ten miles offshore. As Orote Point is approached, this current tends to curve to the southward and southeastward. The ebb current from the harbor augments the southwesterly current and reduces any northeast-setting current that may occur in the typhoon season; a strong rip is often observed under this condition. The flood current seems to have very little effect. A cross current is often experienced in the harbor entrance.

In July (1943) the current along the west coast of Guam set a half knot to the southwest. A constant set of three-quarters knot northwest of Guam was reported in April-May 1943.

9. POPULATION.

The 1940 consus gave Guam a population of approximately 23,000, of which number more than 21,500 were Chamorros, as the natives are called. Of this total, approximately 12,000 live in the principal town of the island, Agana, and another 3000 live in villages situated around or near Apra Harbor (Asan, Piti, Sumay, and Agat). The remainder are scattered in small villages or on farms throughout the island.

The Chamorro was originally of Indonesian race, but large admixtures of Filipino blood, together with smaller amounts of Spanish, Japanese, Chinese, and other strains have occurred. The native population is definitely pro-American due to the improvement in living conditions and education under American control. A very few natives of immediate Japanese descent are not to be trusted.

The Chamorro language is a mixture of Micronesian, Philippine Tagalog, and Spanish. Nearly all Chamorros speak English, but some of the older people may require the use of interpreters. A knowledge of Spanish will not be sufficient to converse in Chamorro.

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ANNEX "B" TO COMMANDER SOUTHERN ATTACK FORCE
(TF 53) OPERATION PLAN NO. A162-44 (CONTINUED)

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10. DISEASE & HYGIENE.

The principal cause of death among the natives is tuberculosis, while other respiratory diseases such as pneumonia and bronchitis frequently occur. Amoebic and bacillary dysentery, and typhoid and dengue fever are present to a limited extent. Malaria and yellow fever had never been reported. Venereal diseases are not uncommon. Leprosy was seen occasionally among the natives, and scabies, fungus skin infections and eye diseases were present.

Anopheles mosquitoes exist in Guam, and malaria may have been introduced by infected Japanese. The mosquitoes which transmit dengue and yellow fever are present, although as stated above, yellow fever has never been reported. The common house-fly is present, and can spread enteric disease. Roaches and rats are distributed over the entire island. There are no known poisonous snakes and few poisonous fish.

Diseases of greatest importance for military personnel in Guam would be skin infections and fungus, respiratory diseases, dengue fever, and the enteric diseases. Malaria precautions should not be omitted.

11. CLIMATE AND METEOROLOGY.

A. Clouds.

June, the transitional month between dry and wet season in Guam, can be expected to be 6-7 tenths cloudy, with cumuliform clouds predominating. These clouds form after mid-morning and continue through the afternoon, obscuring in part the island from planes flying above the cloud bases. There should also be some intermediate and high clouds associated with frontal passages. Clear weather (less than 2-10ths cloudy) occurs on about three days of the month. The cloudiness at sea is consistently less than over the land, averaging about 4-10ths of the sky, composed of high and low clouds. Sufficient, low cloudiness to cover the approach of a task force may not be expected. With the arrival of the rainy season in July increasing cloud cover may be expected.

B. Precipitation.

Rainfall averages 6 inches for June and is largely from showers emanating from cumulo-nimbus clouds which extend from 2,000 to 12,000 feet (30,000 in thunderstorms). Heavy showers will generally make second class roads impassable to automotive traffic except in limited areas. The exceptions are:

(a) The net work of secondary roads lying eastward of Agana, which are generally passable for motor vehicles in all but a few days of the rainy season,
(b) secondary roads in North Guam, which, because of the relatively level terrain and porous sub-soil, remain usable for light traffic.

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C. Winds

Surface winds are easterly 38% of the time, east southeast 19%, east northeast 14%, southeast 10%, with the remaining 19% divided among the other thirteen possibilities, including calm. On obstructed parts of the island, winds from diverse directions are to be expected. The average wind velocity is 6-8 knots with a maximum of 16 knots. At sea in the vicinity of Guam the wind averages 16 knots. Aloft the winds are predominately from the east, averaging 15 to 20 knots up to 15,000 feet.

D. Typhoons.

Typhoons occur in the period from July to December about once in two years, on the average. Guam has not experienced a typhoon during the month of June for at least 30 years.

E. Waves and Swells.

Easterly waves of 4-5 feet can be expected on the windward side with 2-3 foot waves in transport area to the leeward, decreasing toward the island. A choppy confused sea can be raised, however, by gusty winds in local showers. Swell from the southwest occasionally occurs during the latter part of the month. When a typhoon passes the island to the south, moving northwestward, or when the southwest monsoon passes the island, this swell will be heavy enough to make landing by small craft difficult. The occurrence of such a swell is the exception, since typhoons do not often occur in June and the southwest monsoon does not normally reach so far north until July. The surf at the selected beaches will usually break at the reef edge and should not be heavy.

F. Temperature and Humidity.

Mean maximum temperature is 88 degrees and is reached in mid-afternoon with a corresponding relative humidity of 65%. Mean minimum temperature of 77 degrees occurs in early morning with a relative humidity of 93%.

G. Visibility.

Visibility is excellent in general. Fogs do not occur and the only obstruction to visibility is rain showers. Decreasing visibility may be expected in July.

Effect of Weather on:

I. Surface Operations.

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Winds and swells are normally slight to moderate to the leeward, permitting small craft to operate safely. Conditions should also be favorable

ANNEX "B" TO COMMANDER SOUTHERN ATTACK FORCE
(TF 53) OPERATION PLAN NO. A162-44 (CONTINUED)

for fueling at sea. Caution should be exercised, however, upon approach of local showers, when a choppy sea may result from strong wind gusts.

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At sea, cloud cover will be sparse and should not be relied upon to shield the approach of a task force.

II. Air Operations.

Cumulus clouds rarely give a sky coverage of more than five-tenths (5/10) with the average altitude of base near 2000 feet extending up to 5,000 and 12,000 feet (30,000 feet for thunderstorm type). During shower activity low clouds will form on the windward side of the hills and remain until the air is heated sufficiently by the sun to absorb them.

Pilots should keep in mind that the mountain chain extending from just southwest of AGANA to the southern end of the island range from 1000 feet to a maximum of 1334 feet. In the northern section there are isolated peaks, the highest of which rises to 861 feet.

Visibility will usually be best before mid-morning since lower clouds form from that time on. These can be expected to reduce visibility in areas obscured by clouds (from aloft), and shower activity, generally breaking out in the afternoon, will reduce the visibility in localized areas. The advent of the rainy season in July will bring increased cloudiness, which may hamper air reconnaissance.

Easterly winds can be reliably expected over the island, averaging 6-8 knots at sea level, 15-20 knots aloft up to 15,000 feet.

Rime icing will be experienced in alto-stratus clouds above the freezing level (near 15000 ft), but severe icing (clear ice) will only be encountered in thunderstorms at high levels (15,000 feet or above).

III. Ground Operations.

Precipitation will probably not be severe, but showers occur on about 18 days during the month (average .30 inches). Transportation should not be seriously hampered by mud, unless unseasonable conditions occur. Temporary difficulties may be encountered on second class roads after local showers.

Temperature and relative humidity are high enough to be somewhat enervating.

IV. Employment of Smoke and/or Gas.

The temperature and humidity are favorable for the laying of smoke except on the island between approximately the hours of 1000 and 1600 when convection occurs and the relative humidity is at its lowest. When the wind

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is nearly calm convection over land may bring on a shore breeze in the afternoon but this would be the exception rather than the rule.

The wind and temperature conditions are favorable for the laying of gas by the enemy especially at night and early morning, since a prevailing light easterly wind in conjunction with the down slope from the higher points of land (above 500 feet) will combine a movement of air to the leeward with a shallow temperature inversion that is ideal for maintaining a high concentration of gas near the surface of the ground.

II - ESTIMATE OF ENEMY CAPABILITIES

1. AIR FORCES.

The strategic location of GUAM permits air support from many well developed and widely dispersed enemy bases, from the Bonin Islands to the north; from the Carolines to the southeast and southwest. Immediate bases from which attacks might be directly launched are:

BONIN ISLANDS	*(835 miles CHICHI JIMA) These islands are employed as major staging bases from the Empire south. Following facilities are believed to exist:
	CHICHI JIMA - at least one airfield and a seaplane base.
	HAHA JIMA - airfield and one seaplane base.
	IWO JIMA - at least one airfield.
PAGAN ISLAND	(290 miles) One airstrip.
MARCUS ISLAND	(845 miles) One airfield.
TRUK	(565 miles) Three airfields; two seaplane bases.
PULUWAT ISLAND	(450 miles) One airstrip.
WOLEAI ISLAND	(360 miles) One airstrip; one seaplane base.
SOROL ISLAND	(400 miles) Seaplane base.
ULITHI ISLAND	(360 miles) Seaplane base.
PONAPE	(885 miles) Two airfields; one seaplane base.
YAP	(455 miles) One airstrip; one seaplane base.
PALAU	(705 miles) Three airfields; two seaplane bases.

These bases gain in significance when it is recognized that some may be readily reinforced from important but more remote air centers; i.e. the Empire, the Philippines, and the Singapore area.

In the target area, TINIAN, SAIPAN, ROTA and GUAM have eight airfields and three seaplane bases all thought to be operational.

*Approximate airline distances in [illegible]

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Efforts will be made to neutralize selected air bases prior to and during the assault phases of FORAGER. It is probable, however, that this neutralization will not arrest air searches by seaplanes, and that enemy reconnaissance will prevent undetected approach.

2. SURFACE FORCES.

It is apparent that the enemy can only oppose the naval strength which will be employed in the FORAGER operation by concentrating all his major units into one striking force. Should such a concentration be effected, it is logical that it should occur in the Southern Philippines area. There are two reasons for this assumption.

a. The Southern Philippines represent the nearest tenable fleet base for operations against Blue surface forces now that safe use of TRUK and PALAU has been denied the enemy. From this location an attack force, capable of major fleet engagements, could sortie and reach GUAM within three days.

b. The Southern Philippines also is the center of a circle which bounds Japan's South Western Empire. Stationed here, the fleet is in an excellent strategic position to defend that entire area.

If the enemy does not concentrate his fleet, it will indicate that he is not yet ready to risk any major units in offensive action and that his policy continues to be concerned primarily with the preservation of his naval forces and the logistic support of his field armies.

3. SUBMARINES.

Recent Blue consolidations in the Marshalls, Solomon Islands, Bismarck Archipelago and Western New Guinea have partially denied these waters to enemy submarine operations. Thus it may be presumed that some of the large force of enemy submarines formerly engaged in supplying isolated garrisons trapped in those areas, may now be released for other duty. This presents to the enemy the first opportunity in many months to utilize a larger portion of his submarine fleet for offensive or reconnaissance missions.

Major enemy submarine bases exist at Truk, Palau and the Empire, all well placed to bear upon Blue surface concentrations in the GUAM area.

4. LOCAL DEFENSES.

Until lately GUAM has not been fortified to the extent of SAIPAN and TINIAN. Photographic reconnaissance indicates that, recently, considerable activity has been undertaken to bring its defensive strength to a level more commensurate with its size.

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a. Ground forces.

Estimates as of 8 May 1944 place the number of troops stationed at GUAM between 6900 and 9300. Of these 2000 to 2600 are estimated to constitute construction battalions. It is probable that these forces will be augmented in the near future.

b. Facilities and Installations.

Of primary value among defenses at GUAM are its air facilities. Two airfields, each capable of accommodating fighters, medium bombers and torpedo bombers are now operational; a third field is under construction. A seaplane base is also in use at Apra Harbor. Aerial photos of 25 April 1944 reveal 69 VF, 12 VDB, and 5 LB, or twin-engined VF, on the Orote peninsula airfield and only 5 VMB on the field near Agana. Sorties of May 7 show on the Orote field 18 VF, 1 VDB, 8 twin-engine VF, and 7 VMB, while at Tiyan Field near Agana are 9 VMB, 1 DC3 and 1 wrecked VMB. However, it is expected that this second field will soon receive its complement of air squadrons.

Defense installations are tabulated and graphically located in Appendix 8. Additional information will be furnished by supplementary reports as new photos are received.

Although efforts will be made to destroy aircraft, and to neutralize or destroy local defenses by bombing and surface bombardment, it should be recognized that the size and terrain of the island will permit the enemy to make strategic withdrawals and consequently to prolong his defense. It should be noted that road facilities exist enabling such a withdrawal, affording opportunities for concentration of reserves, and potential counter attacks. There are some small indications that the enemy is now preparing a defense in depth around the assault area.

c. Miscellaneous.

The possible existence of a number of miscellaneous defense facilities and techniques, not yet determined, should not be overlooked. These include land-based torpedo installations, motor torpedo boats, lighters and barges equipped with torpedo tubes, land mines, mined inshore waters, the use of aerial-laid mines after the assault, and radar deception and jamming by use of "Phantom" and "Window".

5. ESTIMATE OF ENEMY REACTION.

a. The enemy will rely upon seaplanes and his reserves of land-based bombers, based at Air Centers in the Philippines and the Empire and staged through intermediate bases, as his primary measure of counter attack.

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b. Concerted enemy submarine attack may be expected during all phases of the operation.

c. It is possible, but considered unlikely, that the enemy will risk a major fleet action.

d. It is expected that enemy air bases within fighter range will be neutralized to the point where large scale daylight bombing attacks with fighter protection will not be possible. Most bombing raids may, therefore, be expected during periods of darkness.

e. Since it is probable that the approach of Blue forces will be detected prior to the assault, and since the location of enemy air bases permits bomber attack, such attacks should be anticipated at any time after entering the theater of operations. However, it is believed that the enemy will strike in greatest force during the vulnerable periods of unloading and dispersal.

III - REPORTS, PRISONERS OF WAR, CAPTURED DOCUMENTS AND MATERIAL, COUNTER INTELLIGENCE, PUBLIC RELATIONS.

Reference: (a) ComFIFTHPhibForPac Secret Serial 00454 Subject "Intelligence Doctrine" dated 12 April 1944.

1. Reference (a) is appended hereto as Appendix 9.

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NOTE: Pertinent extracts from a preliminary report of submarine reconnaissance made by U.S.S. GREENLING between 2-29 April 1944 are appended hereto as Appendix 10.

APPENDICES:

1. Chart of Distances
2. Table of Distances
3. Beach Study - Northern Beach
4. Beach Study - Southern Beach
5. Tide Prediction Table
6. Daylight and Dark Table
7. Chart Showing Daylight and Dark Periods and Tide Predictions
8. Chart of Defense Installations
9. Intelligence Doctrine
10. Extracts from Preliminary Submarine Reconnaissance Report

R. L. CONOLLY,
Rear Admiral, U. S. Navy,
Commander Southern Attack Force.

DISTRIBUTION:

Same as CTF-53 Operation Plan No. A162-44.

S. H. HAHN,
Flag Secretary.

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SCHEDULE OF FIRES

APPENDIX "1" TO ANNEX "B"
TO COMMANDER NORTHERN ATTACK GROUP
ATTACK ORDER Nº A165-44

ZONE (—) 10 TIME

	0530 H-180	0645 H-135	0700 H-90	0730 H-60	0803 H-27	0815 H-15	0822 H-8	-H-	0830 H+10	H+20	H+40	H+60	H+80	H+100	H+120	H+140
AIR		ROVING AIR PATROL	AIR STRIKES ON WEST COAST OF GUAM PLAN VICTOR IN EFFECT	ROVING AIR PATROL			STRAFE LANDING BEACHES - PLAN VICTOR IN EFFECT									
ALL SHIPS	CLOSE SUPPORT OF TRANSPORTS AND LST'S BY CLOSE RANGE NEUTRALIZATION OF SHORE BATTERIES.	NEUTRALIZATION OF LANDING BEACHES AND ADJACENT AREAS. COUNTER BATTERY FIRE AS REQUIRED.	CLOSE SUPPORT OF LANDING WAVES FORMING AT LINE OF DEPARTURE.		CLOSE SUPPORT OF LANDING		INTENSE CLOSE SUPPORT OF LANDING, 10 ROUNDS PER GUN, PER MINUTE, FROM ALL 5" GUNS FIRING, SHIFTING FIRE AS LEADING ASSAULT WAVE APPROACHES BEACH. (H-8 to H only)									
WICHITA	TOM-BUTCH	TOM-BUTCH	TOM	TOM	WEST BILL		N.W. BILL	E.DICK E.JIM BILL	EAST JIM	CHECK FIRE, BE PREPARED TO CONTINUE ON ORDER.						
MINNEAPOLIS	ANN-JIM	JIM	JIM	JIM	DICK		EAST DICK	BUTCH	JAKE	CHECK FIRE, BE PREPARED TO CONTINUE ON ORDER						
ST. LOUIS	BILL-BOB	BOB	BOB	BOB	BOB		WEST BOB	BOB	WEST BUTCH	CHECK FIRE, BE PREPARED TO CONTINUE ON ORDER						
McKEE DD 5-1	WEST RALPH INCLUDE E. ASAN PT.	WEST RALPH INCLUDE E. ASAN PT.	WEST RALPH INCLUDE E. ASAN PT.		WEST RALPH E. ASAN PT.		EAST JIM	N.W. BOB	EAST BOB	CHECK FIRE, BE PREPARED TO CONTINUE ON ORDER						
HARRISON DD 5-2	EAST RALPH INCLUDE-E-ADELUP PT.	WEST RALPH	WEST RALPH		WEST RALPH		EAST RALPH	S.W. BOB	BILL	CHECK FIRE, BE PREPARED TO CONTINUE ON ORDER						
JOHN RODGERS DD 7-1	EAST RALPH INCLUDE-W-ADELUP PT.	EAST RALPH INCLUDE-W-ADELUP PT.	EAST RALPH INCLUDE-W-ADELUP PT.		EAST RALPH W. ADELUP PT.		NORTH BERT WEST JIM	NORTH BERT	EAST JOE	CHECK FIRE, BE PREPARED TO CONTINUE ON ORDER						
STEVENS DD 7-2	WEST RALPH INCLUDE-W-ASAN-PT.	EAST RALPH	EAST RALPH		EAST RALPH		W.DICK WEST RALPH	W.JIM SOUTH BERT	WEST JIM	CHECK FIRE, BE PREPARED TO CONTINUE ON ORDER						
NEW MEXICO	SID-JOE-BERT	SID-JOE-BERT	SID-JOE-BERT		SID-JOE-BERT		JOE	SID	WEST JOE	CHECK FIRE, BE PREPARED TO CONTINUE ON ORDER						
IDAHO	SAL-SARGE	PETE-SARGE	PETE-SARGE		PETE-SARGE		SARGE	SARGE		CHECK FIRE, BE PREPARED TO CONTINUE ON ORDER						

NOTES

(1) SHIPS BE ALERT TO ASSUME 'PLAN VICTOR' AT ANY TIME TO PERMIT DELIVERY OF UNSCHEDULED AIR STRIKES.

(2) SHIPS BE PREPARED AT ANY TIME TO DESTROY OR NEUTRALIZE TARGETS OF OPPORTUNITY, AND FOR COUNTERBATTERY FIRE.

(3) TERM 'LANDING BEACH' INCLUDES TRENCHES, MACHINE GUN AND MORTAR POSITIONS, PILLBOXES, LARGE AUTOMATIC WEAPONS AND SMALL ARTILLERY LOCATED IN THE STRIP ABOUT 1,000 YARDS BEHIND THE LANDING BEACHES AND FOR ABOUT 1,000 YARDS ON EITHER FLANK. THE TRENCHES AND SMALL AUTOMATIC WEAPONS WILL PROBABLY BE CONCENTRATED IN THE STRIP FROM 50 YARDS TO 400 YARDS FROM THE WATER'S EDGE.

(4) GUNFIRE ON 'RALPH' DURING THE PERIOD WHEN THE LEADING AMTRACK WAVE IS WITHIN 1200 YARDS OF THE BEACHES MUST BE REGULATED SO AS TO KEEP THE LINE OF FIRE CLEAR OF THE NEAREST END OF THE AMTRACK WAVES.

(5) MAINTAIN SAFETY ZONES OUTSIDE OF TROOPS' BOATS AND AMTRACKS OF 300 YARDS FOR DD FIRE, 800 YARDS FOR CA-CL AND BB GUNFIRE AND BOMBING UNLESS CLOSER SUPPORT IS CALLED FOR BY TROOPS AFTER LANDING.

(6) WHEN 'PLAN VICTOR' IS IN EFFECT, SHIPS MUST CONFINE THEIR FIRE TO THE AREAS DESIGNATED BY ONE SYLLABLE WORDS SUCH AS 'RALPH', 'BERT', 'JOE', ETC.

(7) ALL SHIPS MUST BE PREPARED TO FIRE UPON ANY TARGET AREAS, INCLUDING 'SAL' AND 'ANN' IN THE EVENT THAT LOW CEILING OR BAD WEATHER PREVENTS AIRCRAFT FROM DELIVERY OF AIR ATTACKS. SPECIFIC ORDERS WILL BE GIVEN IN CASE THIS OCCUR.

(8) PRIORITY OF TARGETS IN AREAS:

1. COASTAL DEFENSE GUNS.
2. MOBILE ARTILLERY.
3. HEAVY ANTIAIRCRAFT GUNS.
4. LIGHT ANTIAIRCRAFT GUNS.
5. BLOCKHOUSES.
6. PILLBOXES.
7. MACHINE GUNS.

COMMANDING OFFICERS OF FIRE SUPPORT SHIPS WILL INSURE THAT ABOVE ARE TAKEN OUT IN ORDER OF ABOVE PRIORITY IF PRACTICABLE. WHEN NO ACTIVITY IS NOTED IN INSTALLATIONS, ENTIRE AREA COVERAGE WILL BE FIRED TO KEEP ENEMY PERSONNEL FROM MOVING ABOUT.

(9) FOR DETAILS OF ENEMY INSTALLATIONS IN AREAS 'RALPH', 'BERT', 'JOE', ETC., SEE APPENDIX '2' TO FIRE SUPPORT PLAN.

(10) FIRE SUPPORT UNIT COMMANDERS WILL ALLOCATE TARGETS WITHIN AREAS, WHEN MORE THAN ONE SHIP IS ASSIGNED TO ONE AREA, TO PERMIT IDENTIFICATION OF SALVOS.

(11) FIRE SUPPORT UNITS MUST BE IN INNER ZONES OF ASSIGNED FIRE SUPPORT AREAS, READY TO PROVIDE CLOSE SUPPORT TO TRANSPORTS AND LST'S DURING THEIR APPROACH AND AFTER ARRIVAL IN RESPECTIVE AREAS, AS SOON AFTER DAWN AS PRACTICABLE TO SHOOT.

(12) AMMUNITION ALLOCATION FOR WILLIAM DAY

AMMUNITION EXPENDITURES ON WILLIAM DAY WILL BE AS NEARLY AS PRACTICABLE AS FOLLOWS:

SHIP	BATTERY	PERIOD	ROUNDS PER GUN MINIMUM TO BE FIRED
BB	14"	DAWN TO H-8	10
BB	14"	H-8 to H	6
CA	8"	DAWN TO H-8	10
CA	8"	H-8 to H	10
CL	6"	DAWN TO H-8	18
CL	6"	H-8 to H	18
ALL	5"	H-8 TO H	80

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SCHEDULE OF FIRES

APPENDIX "1" TO ANNEX "B"

TO COMMANDER SOUTHERN ATTACK GROUP
ATTACK ORDER Nº A3-44

ZONE – 10 TIME

	0530 H-180	0645 H-135	0700 H-90	0730 H-60	0803 H-27	H-15	0822 H-8	0830 H	H+10	H+20	H+40	H+60	H+80	H+100	H+120	H+140
AIR	ROVING AIR PATROL		AIR STRIKES ON WEST COAST OF GUAM PLAN VICTOR IN EFFECT	ROVING AIR PATROL			STRAFE LANDING BEACHES- PLAN VICTOR IN EFFECT									
ALL SHIPS	CLOSE SUPPORT OF TRANSPORTS AND LST'S BY CLOSE RANGE NEUTRALIZATION OF SHORE BATTERIES.		NEUTRALIZATION OF LANDING BEACHES AND ADJACENT AREAS, COUNTER BATTERY FIRE AS REQUIRED.	CLOSE SUPPORT OF LANDING WAVES FORMING AT LINE OF DEPARTURE.	CLOSE SUPPORT OF LANDING			INTENSE CLOSE SUPPORT OF LANDING, 10 ROUNDS PER GUN, PER MINUTE, FROM ALL 5" GUNS FIRING, SHIFTING FIRE AS LEADING ASSAULT WAVE APPROACHES BEACH. (H-8 to H only)							
HONOLULU	JANE - SUE - BUCK		JANE - SUE - BUCK	JANE - SUE - SOUTH BUCK	SUE SOUTH BUCK		N.W. SUE	SOUTH PLUG		CHECK FIRE, BE PREPARED TO CONTINUE ON ORDER						
SAN FRANCISCO	JANE - SUE - BUCK		JANE SUE BUCK	JANE - SUE - NORTH BUCK	NORTH BUCK		EAST SUE	SOUTH PLUG		CHECK FIRE, BE PREPARED TO CONTINUE ON ORDER						
NEW ORLEANS	JANE - SUE - PLUG		JANE - SUE - PLUG	JANE - SUE - NORTH PLUG	NORTH PLUG		SW SUE N.W. JANE	SOUTH PLUG		CHECK FIRE, BE PREPARED TO CONTINUE ON ORDER						
JOHNSTON DD 6-1	NORTH BUCK		NORTH BUCK - WEST HANK INCLUDE PELAGI ROCK	NORTH BUCK - WEST HANK INCLUDE PELAGI ROCK	WEST HANK NORTH BUCK INCLUDE PELAGI ROCK		WEST HANK NORTH BUCK INCL. PELAGI ROCK	W. PAT W. HANK	INCLUDE PELAGI ROCK – CHECK FIRE, BE PREPARED TO CONTINUE ON ORDER							
MURRAY DD 4-1	SOUTH EAST - BUCK		SOUTH EAST - BUCK	SOUTH EAST - BUCK	S.E. BUCK		S.E BUCK	N.W SUE		CHECK FIRE, BE PREPARED TO CONTINUE ON ORDER						
DASHIELL DD 4-2	SOUTH WEST - BUCK		SOUTH WEST - BUCK	SOUTH WEST - BUCK	S.W. BUCK		S.W. BUCK	S.W. SUE		CHECK FIRE, BE PREPARED TO CONTINUE ON ORDER						
PENNSYLVANIA 14"	PLUG WESTERN SLOPES MT. ALIFAN		PLUG WESTERN SLOPES MT. ALIFAN	PLUG WESTERN SLOPES MT. ALIFAN	PLUG WESTERN SLOPES MT. ALIFAN					CHECK FIRE, BE PREPARED TO CONTINUE ON ORDER						
PENNSYLVANIA 5"38	SOUTH WEST SARGE - PAT - HANK		SOUTH WEST SARGE - PAT - HANK	SOUTH WEST SARGE - PAT - HANK	SOUTH WEST SARGE - PAT - HANK											

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(4) GUNFIRE ON 'BUCK' DURING THE PERIOD WHEN THE LEADING AMTRACK WAVE IS WITHIN 1200 YARDS OF THE BEACHES MUST BE REGULATED SO AS TO KEEP THE LINE OF FIRE CLEAR OF THE NEAREST END OF THE AMTRACK WAVES.

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4. LIGHT ANTIAIRCRAFT GUNS.
5. BLOCKHOUSES.
6. PILLBOXES.
7. MACHINE GUNS.

COMMANDING OFFICERS OF FIRE SUPPORT SHIPS WILL ENSURE THAT ABOVE ARE TAKEN OUT IN ORDER OF ABOVE PRIORITY IF PRACTICABLE. WHEN NO ACTIVITY IS NOTED IN INSTALLATIONS, ENTIRE AREA COVERAGE WILL BE FIRED TO KEEP ENEMY PERSONNEL FROM MOVING ABOUT.

(9) FOR DETAILS OF ENEMY INSTALLATIONS IN AREAS 'BUCK', 'JANE', 'SUE'', ETC., SEE APPENDIX '7' TO FIRE SUPPORT PLAN.

(10) FIRE SUPPORT UNIT COMMANDERS WILL ALLOCATE TARGETS WITHIN AREAS, WHEN MORE THAN ONE SHIP IS ASSIGNED TO ONE AREA, TO PERMIT IDENTIFICATION OF SALVOS.

(11) FIRE SUPPORT UNITS MUST BE IN INNER ZONES OF ASSIGNED FIRE SUPPORT AREAS, READY TO PROVIDE CLOSE SUPPORT TO TRANSPORTS AND LST'S DURING THEIR APPROACH AND AFTER ARRIVAL IN RESPECTIVE AREAS, AS SOON AFTER DAWN AS PRACTICABLE TO SHOOT.

(12) PENNSYLVANIA BE PREPARED TO FIRE 14'' INTO 'FRITZ', AS WELL AS OTHER AREAS, IF ORDERED. IN CASE 'FRITZ' IS TO BE FIRED UPON, ORDERS WILL BE GIVEN FOR AIRCRAFT TO CLEAR AREA BEFORE PENNSYLVANIA ACTUALLY RECEIVES THE ORDER TO COMMENCE FIRE ON THE AREA.

(13) AMMUNITION ALLOCATION FOR WILLIAM DAY

AMMUNITION EXPENDITURES ON WILLIAM DAY WILL BE AS NEARLY AS PRACTICABLE AS FOLLOWS:

SHIP	BATTERY	PERIOD	ROUNDS PER GUN MINIMUM TO BE FIRED
BB	14''	DAWN TO H-8	10
BB	14''	H-8 to H	6
CA	8''	DAWN TO H-8	10
CA	8''	H-8 to H	10
CL	6''	DAWN TO H-8	18
CL	6''	H-8 to H	18
ALL	5''	H-8 TO H	80

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O. M. # 11-ND-1335

addenda No. 2 to Appendix No. 1 to Annex B -
attack Order No. A165-44.

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	(0830) ZONE-10 TIME H-Hour	H+10	H+20	H+90
ALL SHIPS			Neutralization of Artillery and Mortar Fire. Area coverage particularly into cover provided by trees, underbrush, buildings or installations.	(See note No. 5)
WICHITA			East 'JIM', outside of D-1 Line	(See note No. 5)
MINNEAPOLIS			'BUTCH' West of 91 and North 'JAKE'	(See note No. 5)
ST. LOUIS			'BOB' outside of the D-1 Line	(See note No. 5)
McKEE (DD 5-1)			West 'BOB' outside of the D-1 Line	(See note No. 5)
HARRISON (DD 5-2)	N.W. BILL		West 'BILL'	(See note No. 5)
JOHN RODGERS (DD 7-1)	NORTH BERT		East 'JOE'	(See note No. 5)
VENS (DD 7-2)	N.W. JIM SOUTH BERT		West 'JIM' outside of the D-1 Line.	(See note No. 5)
NEW MEXICO			'SARGE' (See note No. 4)	(See note No. 5)
IDAHO			'SARGE' (See note No. 4)	(See note No. 5)
TENNESSEE			'SID', 'JOE'	(See note No. 5)
CALIFORNIA			'BUTCH' East of 91 and 'TOM'	(See note No. 5)
COLORADO			'SARGE' (See note No. 4)	(See note No. 5)

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NOTES:
1. This 'Schedule of Fires' supersedes time schedule after H-hour shown on Appendix '1' to Annex 'B' to Commander Northern Attack Group, Attack Order No. A165-44.
2. Pertinent notes on above superseded 'Schedule of Fires' remain in effect.
3. Fire at such targets within assigned areas that the line of fire will not endanger own transports, landing craft or troops by ricochets or overs.
4. As opportunity permits New Mexico, Idaho and Colorado use secondary batteries on PETE.
5. At H+90 all ships check fire and be prepared to continue on order.

ADDENDA No. 2

TO APPENDIX No. 1 TO ANNEX "B"

TO COMMANDER NORTHERN ATTACK GROUP

ATTACK ORDER No. A165-44

SCHEDULE OF FIRES

TOP SECRET

18 SEP 1943

O.M. # 11-ND-1335

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AIR FORCE PACIFIC FLEET

IMPORTANT AIR ROUTES AND AIR DISTANCES IN THE PACIFIC AREA

JULY 15, 1943

CONFIDENTIAL

APPENDIX I TO ANNEX B
TO COMMANDER SOUTHERN ATTACK FORCE
OPERATION ORDER NO. A 162-44

LEGEND

□ Landplane Base
⚓ Seaplane Base

United Nations bases are Underscored.

DISTANCES

Distances are shown in nautical miles.
Computed rhumb line distances are shown in all cases.
In certain instances great circle distances are also shown, in parenthesis.

TIME

Local time zone numbers are given in circles for the standard time zones, and for various bases and island groups. To convert local time into Greenwich civil time, add the local zone number to (or subtract it from) the local time.

NOTE:- Important Japanese air bases in the Bay of Bengal and Indian Ocean:
1 Sibolga, Tapanoeli Bay, N.W. Sumatra.
2 Sabang I., off the north tip of Sumatra.
2 Port Blair, in the Andaman Is.

WESTERN ALEUTIAN ISLANDS

BISMARCK ARCHIPELAGO and SOLOMON ISLANDS

MARSHALL and GILBERT ISLANDS

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TABLE OF DISTANCES PACIFIC OCEAN

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APPENDIX 2 TO ANNEX B
TO COMMANDER SOUTH ATTACK FORCE
OPTRA NO. 3 SERIAL A 162-44

APPROXIMATE, NOT TO BE USED FOR NAVIGATION

	APAMAMA	AUCKLAND	BAKER	BERU	CANTON	ENIWETOK	ESPIRITU SANTO	FIJI I. NANDI	FUNAFUTI	GUADACANAL	GUAM	HENDERSON FIELD	HOWLAND	JALUIT ATOLL	JOHNSTON	KUSAIE	KWAJALEIN	MAKIN	MOLOCLAP	MARCUS	MIDWAY	MILI	NAURU	NANOMEA	NEW CAL. TONTOUTA	NUKUFETAU	OCEAN	PALMYRA	PEARL HARBOR	PELELIV	PONAPE	POKAAKKU	RABAUL	SAIPAN	TARAWA	TONGATABU	TRUK	WAKE	WALLIS	WOTJE ATOLL
APAMAMA		2235	580	175	885	995	1005	1095	625	990	1825	990	560	435	1370	1005	660	180	515	1800	1740	370	425	385	1400	570	270	1440	1995	2235	955	900	1295	1820	77	1430	1350	1207	990	585
AUCKLAND	2235		2285	2160	2190	3120	1485	1290	1815	1905	3615	1905	2430	2710	3320	2745	2925	2520	2865	4005	5000	2730	2220	1935	995	1715	2190	2925	3765	3494	2655	3090	2240	3510	2280	1080	2915	3405	1405	2690
BAKER	580	2285		450	345	1395	1330	1140	585	1470	2400	1470	30	900	1065	1230	1095	660	900	2270	1670	770	975	585	1650	577	830	935	1685	2930	1510	1200	1800	2385	635	1285	1860	1500	790	960
BERU	175	2160	450		745	1118	975	997	480	1050	1965	1050	460	590	1365	860	800	330	890	1940	1800	510	540	315	1360	435	375	1350	1965	2355	1150	1035	1400	1950	245	1305	1500	1335	805	735
CANTON	885	2190	345	745		1710	1455	1125	650	1680	2750	1680	370	1215	1170	1540	1410	990	1220	2605	1865	1100	1270	750	1125	675	1115	780	1620	3255	1800	1520	2440	2745	960	1125	2130	1860	675	1280
ENIWETOK	995	3120	1395	1118	1710		1605	1950	1515	1245	1045	1245	1380	540	1710	370	337	810	555	937	1620	660	765	1285	2040	1470	855	2140	2420	1685	365	450	1090	995	880	2365	675	555	1940	485
ESPIRITU SANTO	1005	1485	1330	975	1455	1605		645	835	540	2160	540	1380	1305	2365	1245	1470	1150	1425	2490	2800	1295	885	780	440	800	830	2220	3020	2340	1420	1795	1100	2205	1055	1115	1625	2070	1010	1490
FIJI I. NANDI	1095	1290	1140	997	1125	1950	645		570	1130	2675	1130	1160	1510	2205	1585	1675	1270	1590	2895	2910	1440	1200	740	705	600	1110	1810	2745	2940	1790	1920	1660	2700	1165	495	2035	2300	490	1680
FUNAFUTI	625	1815	585	480	650	1515	835	570		1125	2400	1125	600	1035	1645	1245	1245	790	1120	2465	2250	975	870	250	1110	55	120	1385	2240	2775	1500	1470	1575	2415	700	840	1870	1820	390	1200
GUADACANAL	990	1905	1470	1050	1680	1245	540	1130	1125		1595		1480	1085	2370	900	1195	1065	1260	2070	2640	1165	675	965	875	1080	765	2410	3035	1820	995	1530	580	1700	1005	1595	1115	1770	1395	1200
GUAM	1825	3615	2400	1965	2750	1045	2160	2675	2400	1595		1595	2400	1565	2710	1175	1320	1775	1545	875	2415	1665	1515	2165	2495	2350	1705	3170	3415	730	900	1410	1125	130	1820	3150	555	1320	2750	1490
HENDERSON FIELD	990	1905	1470	1050	1680	1245	540	1130	1125		1595		1480	1085	2370	900	1195	1065	1260	2070	2640	1165	675	965	875	1080	765	2410	3035	1820	995	1530	580	1700	1005	1595	1115	1770	1395	1200
HOWLAND	560	2430	30	460	370	1380	1380	1160	600	1480	2400	1480		875	1035	1215	1085	635	870	2250	1645	745	975	580	1710	605	825	925	1665	2920	1495	1175	1800	2370	620	1315	1830	1465	825	935
JALUIT ATOLL	435	2710	900	590	1215	540	1305	1510	1035	1085	1565	1085	875		1370	390	245	265	190	1425	1535	145	425	800	1670	990	420	1640	2030	2090	675	915	1180	1485	350	1875	1040	930	1395	210
JOHNSTON	1370	3320	1065	1365	1170	1710	2365	2205	1645	2370	2710	2370	1035	1370		1910	1915	1310	1235	2215	880	1280	1740	1595	2715	1650	1640	785	740	3390	2010	1300	2590	2625	1400	2295	2355	1435	1753	1275
KUSAIE	1005	2745	1230	860	1540	370	1245	1585	1245	900	1175	900	1215	390	1910		345	595	235	1270	1770	530	420	1005	1635	1200	545	2070	2485	1715	300	660	855	1175	635	2085	690	875	1590	495
KWAJALEIN	660	2925	1095	800	1410	337	1470	1675	1245	1195	1320	1195	1080	245	1915	345		500	230	1230	1500	330	585	1030	1895	1215	625	1825	2190	1990	565	340	1185	1305	585	1965	925	625	1605	165
MAKIN	180	2520	660	330	990	810	1150	1270	790	1065	1775	1065	635	265	1310	595	500		360	1710	1620	175	420	560	1530	740	315	1165	2040	2305	900	735	1285	1700	105	1635	1265	1050	1145	420
MOLOCLAP	515	2865	900	890	1220	555	1425	1590	1120	1260	1545	1260	870	190	1235	235	230	360		1375	1375	165	610	910	1820	1885	615	1605	1980	2180	765	365	1335	1515	465	1965	1140	1105	1480	70
MARCUS	1800	4005	2270	1940	2605	937	2490	2895	2465	2070	875	2070	2250	1425	2215	1270	1230	1710	1375		1725	1515	1690	2230	2910	2415	1790	2840	2815	1590	1095	1060	1675	750	1770	3300	1040	810	2855	1335
MIDWAY	1740	5000	1670	1800	1865	1620	2800	2910	2250	2640	2415	2640	1645	1535	880	1770	1500	1620	1375	1725		1485	2000	2100	3180	2220	1945	1660	1225	3160	1965	1210	2640	2335	1740	3015	2220	1110	2490	1395
MILI	370	2730	770	510	1100	660	1295	1440	975	1165	1665	1165	745	145	1280	530	330	175	165	1515	1485		495	750	1685	930	440	1515	2000	2235	815	540	1310	1645	300	1815	1185	835	1350	230
NAURU	425	2220	975	540	1270	765	885	1200	870	675	1515	675	975	425	1740	420	585	420	610	1690	2000	495		630	1300	810	155	1890	2445	1980	680	915	900	1560	380	1650	1010	1200	1245	630
NANOMEA	385	1935	585	315	750	1285	780	740	250	965	2165	965	580	800	1595	1005	1030	560	910	2230	2100	750	630		1140	200	480	1440	2220	2565	1275	1265	1395	2175	470	1075	1590	1560	640	925
NEW CAL. TONTOUTA	1400	995	1650	1360	1125	2040	440	705	1110	875	2495	875	1710	1670	2715	1635	1895	1530	1820	2910	3180	1685	1300	1140		1110	1290	2490	2360	2580	1815	2205	1410	2545	1490	1080	1985	2490	1165	1910
NUKUFETAU	570	1715	577	435	675	1470	800	600	55	1080	2350	1080	605	990	1650	1200	1215	740	1885	2415	2220	930	810	200	1110		675	1435	2250	2730	1475	1440	1565	2360	660	895	1765	1780	450	1145
OCEAN	270	2190	830	375	1115	855	830	1110	120	765	1705	765	825	420	1640	545	625	315	615	1790	1945	440	155	480	1290	675		1735	2335	2145	810	920	1035	1705	245	1520	1155	1215	1110	630
PALMYRA	1440	2925	935	1350	780	2140	2220	1810	1385	2410	3170	2410	925	1640	785	2070	1825	1165	1605	2840	1660	1515	1890	1440	2490	1435	1735		960	3780	2355	1780	2745	3165	1500	1805	2700	2025	1425	1665
PEARL HARBOR	1995	3765	1685	1963	1620	2420	3020	2745	2240	3035	3415	3035	1665	2030	740	2485	2190	2040	1980	2815	1225	2000	2445	2220	2360	2250	2335	960		4100	2720	2000	3310	3345	2100	2750	3095	2100	2315	2030
PELELIV	2235	3494	2930	2355	3255	1685	2340	2940	2775	1820	730	1820	2920	2090	3390	1715	1990	2305	2180	1590	3160	2235	1980	2565	2580	2730	2145	3780	4100		1410	2110	1240	855	2310	3435	1035	2040	3165	2135
PONAPE	955	2655	1510	1150	1800	365	1420	1790	1500	995	900	995	1495	675	2010	300	565	900	765	1095	1965	815	680	1275	1815	1475	810	2355	2720	1410		780	750	890	935	2290	395	905	1915	830
POKAAKKU	900	3040	1200	1035	1520	450	1795	1920	1470	1530	1410	1530	1175	915	1300	660	340	735	365	1060	1210	540	915	1265	2205	1440	920	1780	2000	2110	780		1500	1370	825	2325	1095	340	1860	315
RABAUL	1295	2290	1800	1400	2440	1090	1100	1660	1575	580	1125	580	1800	1180	2590	855	1185	1285	1335	1675	2640	1310	900	1395	1410	1565	1035	2745	3310	1240	750	1500		1195	1260	2190	690	1630	1940	1330
SAIPAN	1820	3510	2385	1950	2745	995	2205	2700	2415	1700	130	1700	2370	1485	2625	1175	1305	1700	1515	750	2335	1645	1560	2175	2545	2360	1705	3165	3345	855	890	1370	1195		1805	3165	600	1240	2775	1465
TARAWA	77	2280	635	245	960	880	1055	1165	700	1005	1820	1005	620	350	1400	635	585	105	465	1770	1740	300	380	470	1490	660	245	1500	2100	2310	935	825	1260	1805		1500	1290	1140	1065	520
TONGATABU	1430	1080	1285	1305	1125	2365	1115	495	840	1595	3150	1595	1315	1875	2295	2080	1965	1635	1965	3300	3015	1815	1650	1075	1080	895	1520	1805	2750	3435	2290	2325	2190	3165	1500		2580	2640	520	2030
TRUK	1350	2915	1860	1500	2130	675	1625	2035	1870	1115	555	1115	1830	1040	2355	690	925	1265	1140	1040	2220	1185	1010	1590	1985	1765	1155	2700	3095	1035	395	1095	690	600	1290	2580		1155	2235	1090
WAKE	1207	3405	1500	1335	1860	555	2070	2300	1820	1770	1320	1770	1465	930	1435	875	625	1050	1105	810	1110	835	1200	1560	2490	1780	1215	2025	2100	2040	905	340	1630	1240	1140	2640	1155		2190	640
WALLIS	990	1405	790	805	675	1940	1010	490	390	1395	2750	1395	825	1395	1753	1590	1605	1145	1480	2855	2490	1350	1245	640	1165	450	1110	1425	2315	3165	1915	1860	1940	2775	1065	520	2235	2190		1525
WOTJE ATOLL	585	2690	960	735	1280	485	1490	1680	1200	1200	1490	1200	935	210	1275	495	165	420	70	1335	1395	230	630	925	1910	1145	630	1665	2030	2135	830	315	1330	1465	520	2030	1090	640	1525	

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APPENDIX 3 TO ANNEX "B"

TO COMMANDER NORTHERN ATTACK FORCE [TF 53]
OPERATION PLAN NO. A162-44

BEACH STUDY

[NORTHERN SECTOR]

Information based on Aerial Photographs,
Strategic Studies, and Mar. Corps. Map Scale 1:20,000

SECRET
[Change to Restricted in Combat Area]

KEY MAP
GUAM

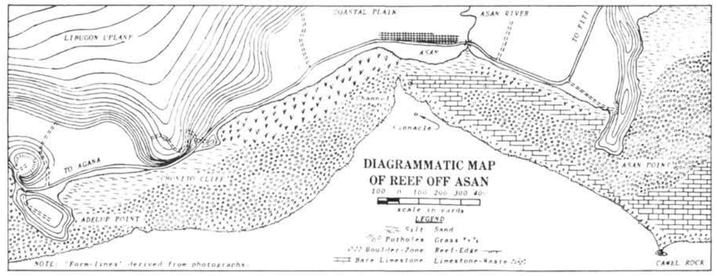


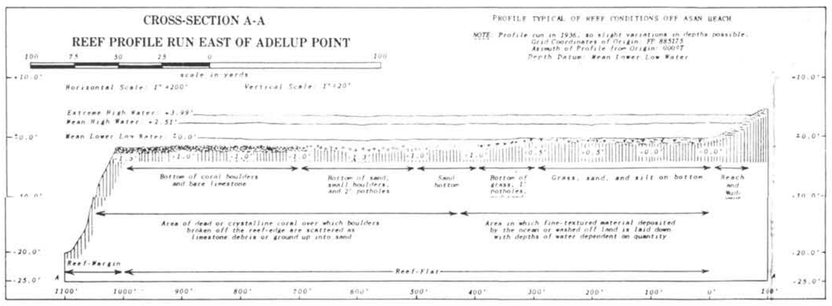
LEGEND OF DEFENSES

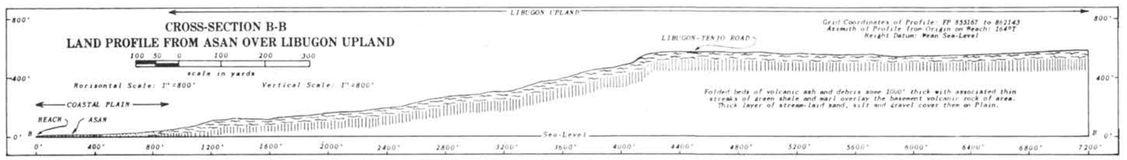
Based on Photographic Reconnaissance of 25 April 1944 and 7 May 1944

- Coastal Defense Gun
- Heavy A.A.
- Light A.A.
- Machine Gun
- Pillbox
- Observation Post
- Empty or unidentified position
- Trench
- Underwater Obstacles
- Former U.S. Position
- Barbed Wire

Number with symbol indicates number of guns, etc. - dotted indicates probable.

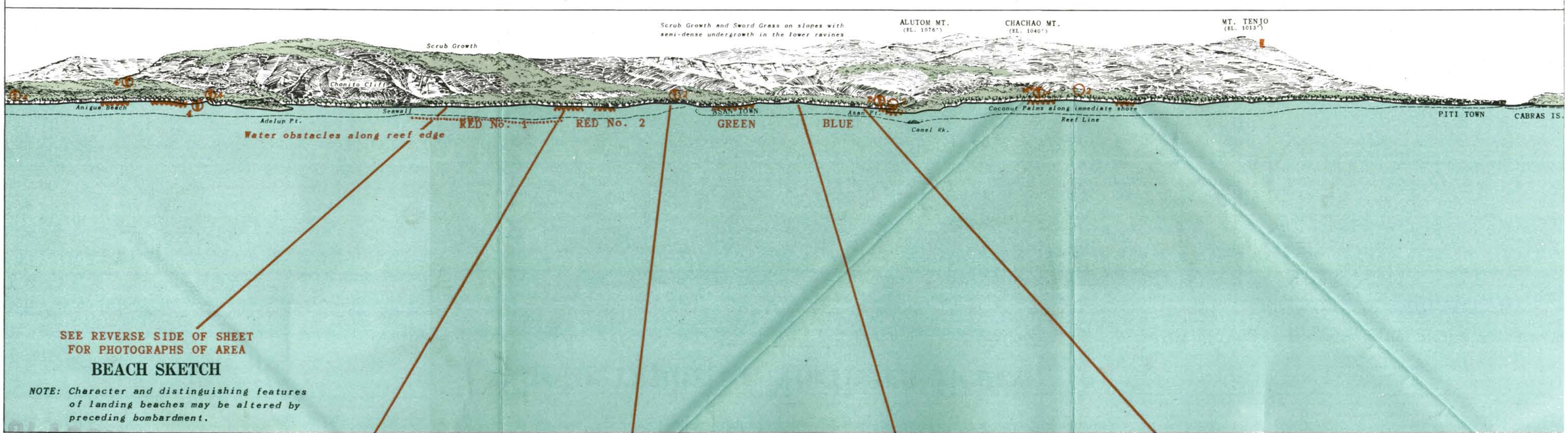






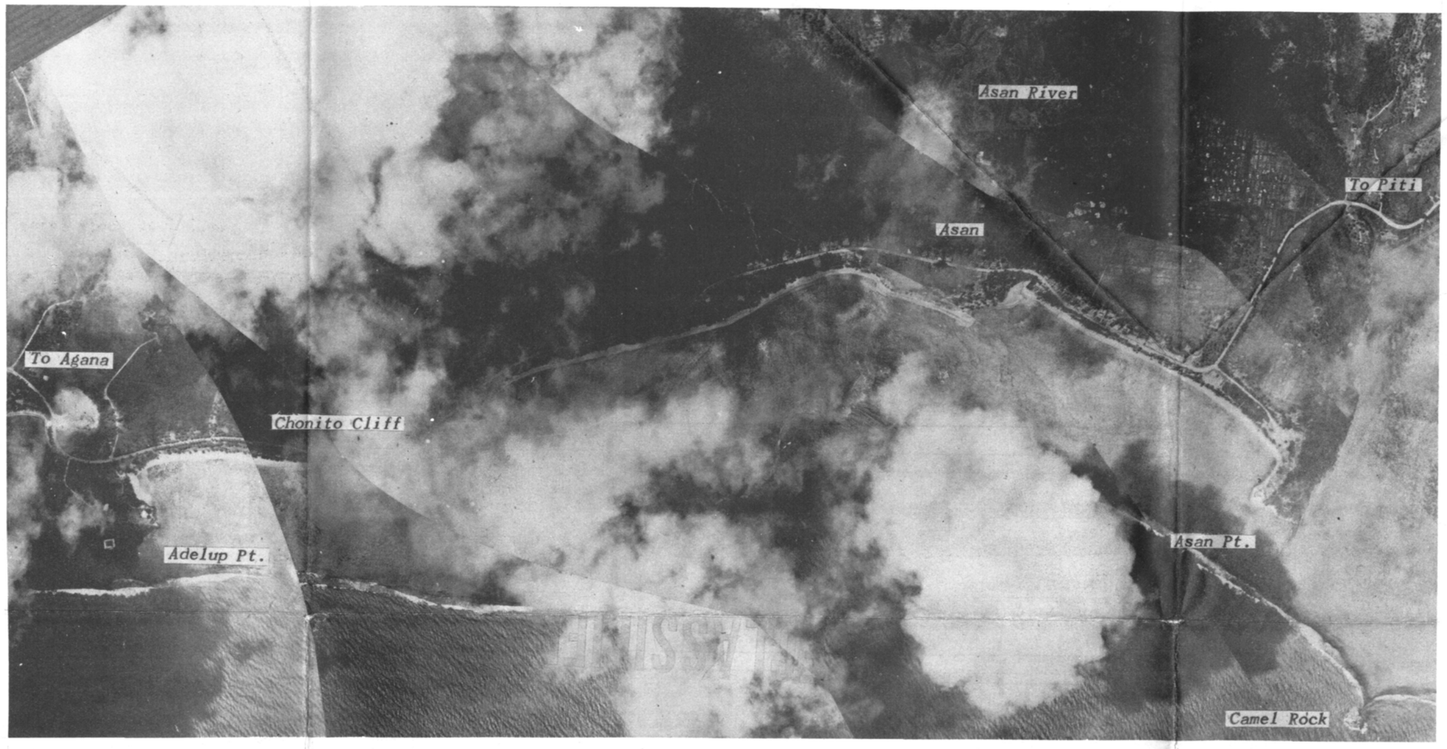
NORTHERN ATTACK AREA

1. LOCATION:
   a) Grid Coordinates: FP 849168 to 867172.
2. LANDMARKS:
   a) From Air: Distinctive, crescent-shaped bay between Adelup and Asan Points.
   b) From Sea: On left, Chonito Cliff and Adelup Point; in center, town of Asan; and, on right, Asan Point and Camel Rock.
3. DESCRIPTION OF REEF: (See Cross-Section A-A and Diagrammatic Map).
   a) Reef-Margin: The reef-face, varying in width from 10 to 30 yds, is generally steep or overhung, but in places has an average 30-degree inclination. With charted 2-ft depths at MLLW, the Asan Channel narrows over its 80-yd length from 25 to 12 yds. The sharp profile of the margin was produced by constant wave-action on dead coral.
   b) Reef-Flat: Ranging in width between 430 yds off Chonito Cliff, 130 yds off Asan, and 200 yds off Asan Point, the partially bare limestone surface is covered with boulders 1 to 5 ft in diameter, sand, silt, and scattered grass. The Asan River has entrenched itself 1 to 2 ft deep in its delta. Along much of shoreline is a mud-bank 30 ft wide.
4. DESCRIPTION OF BEACH: With overall length 2080 yds and average width 6 yds, this coral sand beach has an estimated 1:20 gradient, scattered rocks on its surface and is generally free of obstructions.
5. PHYSIOGRAPHY: (See Cross-Section B-B).
   a) Provinces: The area may be divided into the Coastal Plain and the Libugon Upland.
   b) Coastal Plain: This relatively level, broadly U-shaped plain 90 to 600 yds wide, having elevations to 20 or 30 ft, is covered with fine-textured clay and silt soils. Seaward of highway are almost continuous, densely undergrown coconut groves, whereas inland are some coconut and citrus trees scattered between rice-fields over the plain's west half and small farms on the east. Inland movement across east virtually unrestricted, but limited over west by the mud of well-irrigated paddies. Rapid lateral movement offered by 20-ft Agana-Piti Road, which runs some 20 to 80 yds from the beach. Excellent concealment found within groves and under trees such as those lining the river banks, while only houses and the stream-beds furnish suitable cover. Inland from highway, good observation may be had over rest of the Coastal Plain.
   c) Libugon Upland: Ascending steeply from the plain to 100 ft, then rising 400 ft in 1000 yds, the surface of the upland is in places sharply dissected with narrow, V-shaped ravines and is elsewhere undulating. Two arm-like ridges extend seaward, Asan Point is 60 to 80 ft high and Chonito Cliff 100 to 200 ft. The sandy, rocky upland soil supports scattered coconut groves, small farms, and pineapple fields, but is largely barren or covered with sword-grass and sparse scrub-growth; the ravines are thick in tropical growth; and dense under-brush and trees flourish on the limey 'cascajo' soil of the ridges. Because of the terrain's rough nature, quick, lateral and inland movement would be difficult, and that up the ravines, limited in width. For speed, egress from the plain is restricted to the Agana-Piti Road, necessitating passage through the narrow, natural gateways formed by Chonito Cliff and a 60-ft 'cascajo' hump on the east, and by a saddle through the Asan Point Ridge on the west. The only road over upland is the 10-ft wide Libugon-Tenjo Highway. Observation is almost unlimited on this highland, while the entire beach area and the Coastal Plain are easily visible from any place on Asan Point or Chonito Cliff. Scant cover is furnished along the stream-courses, and the rest of the upland can give little if any. Good concealment is offered under the growth in ravines and by trees, but general sparse and grassy character of the vegetation is not suitable.

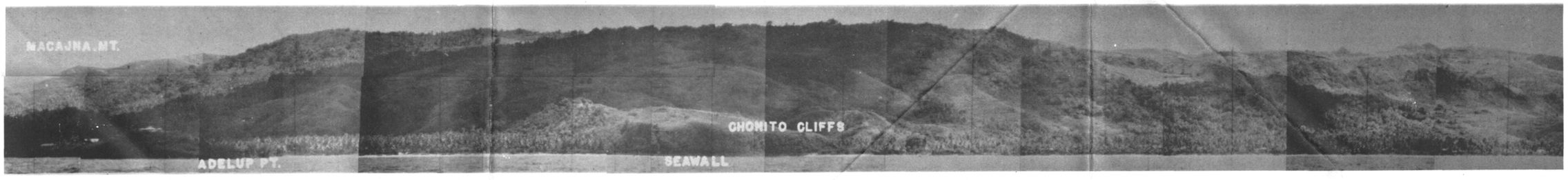


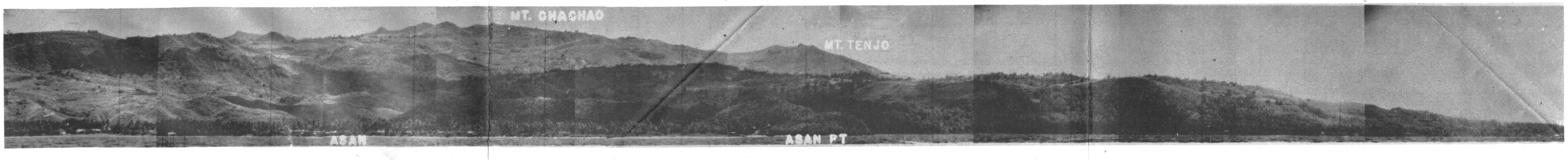
NOTE: Character and distinguishing features of landing beaches may be altered by preceding bombardment.

Photographs of Northern Beach



MOSAIC FROM PHOTOGRAPHS 7 MAY 1944,





SUBMARINE RECONNAISSANCE 2-29 APRIL 1944

APPENDIX 4 TO ANNEX "B"

TO COMMANDER SOUTHERN ATTACK FORCE [TF 53]
OPERATION PLAN NO. A162-44

BEACH STUDY

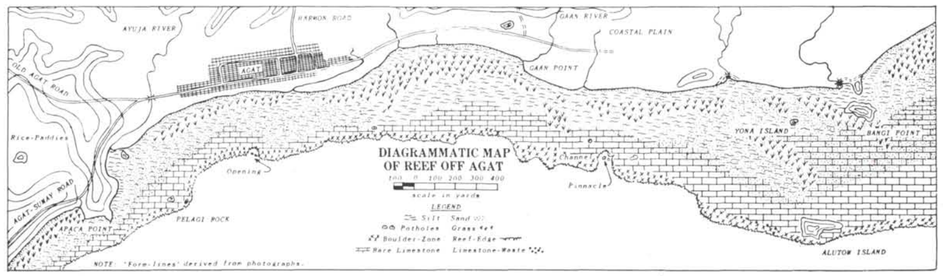
[SOUTHERN SECTOR]

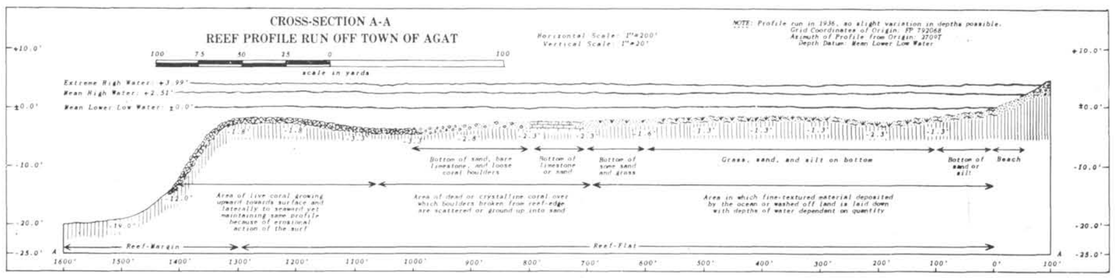
Information based on Aerial Photographs,
Strategic Studies, and Mar. Corps. Map Scale 1:20,000

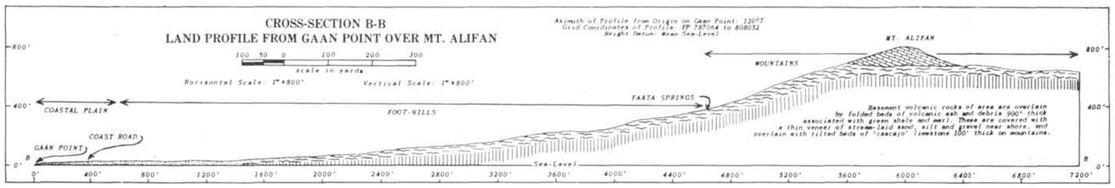
SECRET
[Change to Restricted in Combat Area]

KEY MAP
GUAM









LEGEND OF DEFENSES

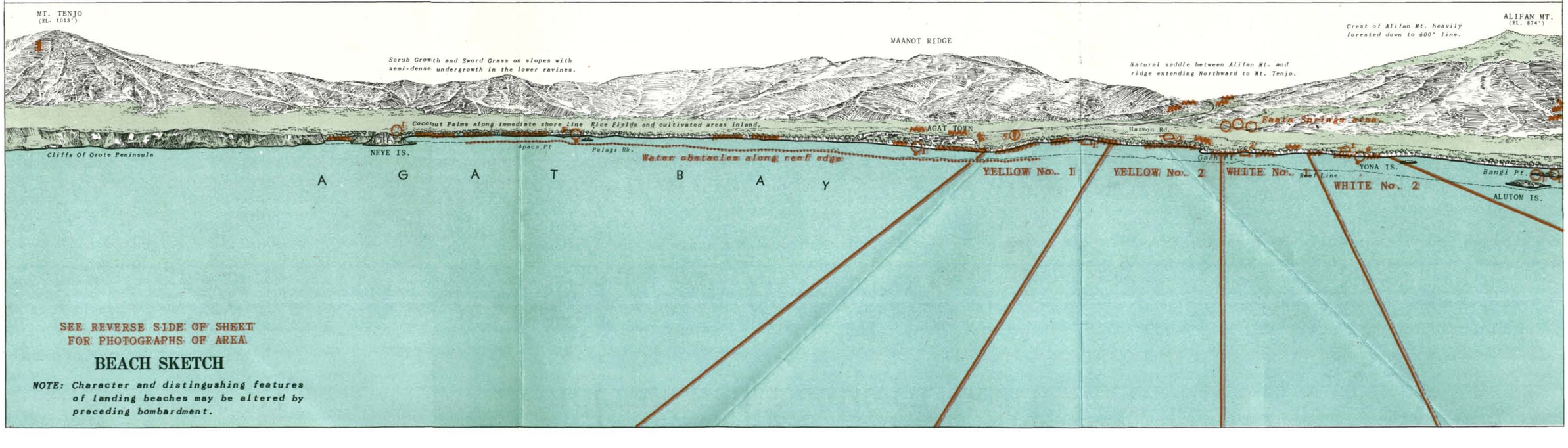
Based on Photographic Reconnaissance of 25 April 1944 and 7 May 1944

- Coastal Defense Gun
- Heavy A.A.
- Light A.A.
- Machine Gun
- Pillbox
- Observation Post
- Empty or unidentified position
- Trench
- Underwater Obstacles
- Former U.S. Position
- Barbed Wire

Number with symbol indicates number of guns, etc. · dotted indicates probable.

SOUTHERN ATTACK AREA

1. LOCATION:
   a) Grid Coordinates: FP 793082 to 780052.
2. LANDMARKS:
   a) From Air: Rice-paddies behind Apaca Point; town of Agat; and Alutom Island.
   b) From Sea: On the left, Apaca Point and Pelagi Rock; in the center background, is Maanot Ridge; and on the right, Bangi Point and Alutom Island.
3. DESCRIPTION OF REEF: (See Cross-Section A-A and Diagrammatic Map)
   a) Reef-Margin: The reef-face, varying in width from 15 to 60 yds, generally has a normal 30-degree inclination, but in spots is steep or overhung. A shallow opening off Agat narrowing in its 80-yd length from 30 to 10 yds is nearly blocked at its mouth by coral peaks; while 350 yds south of Gaan Point a 90-yd long channel, with sharp side-walls, narrows from 60 to 40 yds and two large pinnacles partly obstruct its head.
   b) Reef-Flat: Ranging in its width between 90 yds off Apaca Point, 270 yds off Agat, and 650 yds off Bangi Point, this surface has a narrow boulder-zone and is partially bare or covered with sand, silt, and grass. Streams discharge silt in a thin belt along shoreline or as deltas, one of which ties Bangi Point, an island, to the coast.
4. DESCRIPTION OF BEACH: With overall length of 3400 yds and average width 10 yds, this coral sand beach has an estimated 1:20 gradient and appears quite free of obstructions.
5. PHYSIOGRAPHY: (See Cross-Section B-B).
   a) Provinces: The area may be divided into the Coastal Plain, the Foot-Hills, and the Mountains.
   b) Coastal Plain: This relatively level plain 180 yds wide is covered with fine-textured clayey and silty soils. Coconut groves, semi-dense underbrush, cogon-grass, and weeds are widespread. Rice-fields under cultivation lie southeast of Agat and behind Apaca Point, where the plain widens into a broad flat, its surface broken locally by rounded, 20- to 60-ft knobs. Movement inland confined to dry ground and facilitated by the 15- to 18-ft wide Harmon Road; while laterally northward, it is largely restricted to the town's main streets 50 and 150 yds from beach and to 10-ft Old Agat or 15-ft Agat-Sumay Roads, which are bordered with the mud of well-irrigated fields. Clear observation may be afforded from local hills and the low knobs in paddies. Excellent concealment offered within groves and under trees such as line the streams; while only houses and stream-beds furnish any suitable cover.
   c) Foot-Hills: This 1400-yd wide strip between the 50- and 400-ft contour lines of gently rolling terrain, having rounded ridges and shallow, U-shaped valleys, is covered with stream-laid gravels and other coarse-textured soils, which typically support much sword-, cogon-, and short bunch-grass, and sparse scrub-growth. Inland and lateral movement impeded by hilly nature of the ground; unlimited observation is afforded over the Coastal Plain from ridges; some slight cover is to be had behind outcrops and in stream-beds; and, considering the grassy character of vegetation, only the tree-growth along streams provides sufficient concealment.
   d) Mountains: This rugged country, rising sharply from 400 ft to the 874-ft summit of Mt. Alifan, is heavily forested down to the 600-ft line in dense, tropical growth and large trees. Though comparatively easy to traverse its grassy slopes, only slow and laborious progress can be made across the peaks.

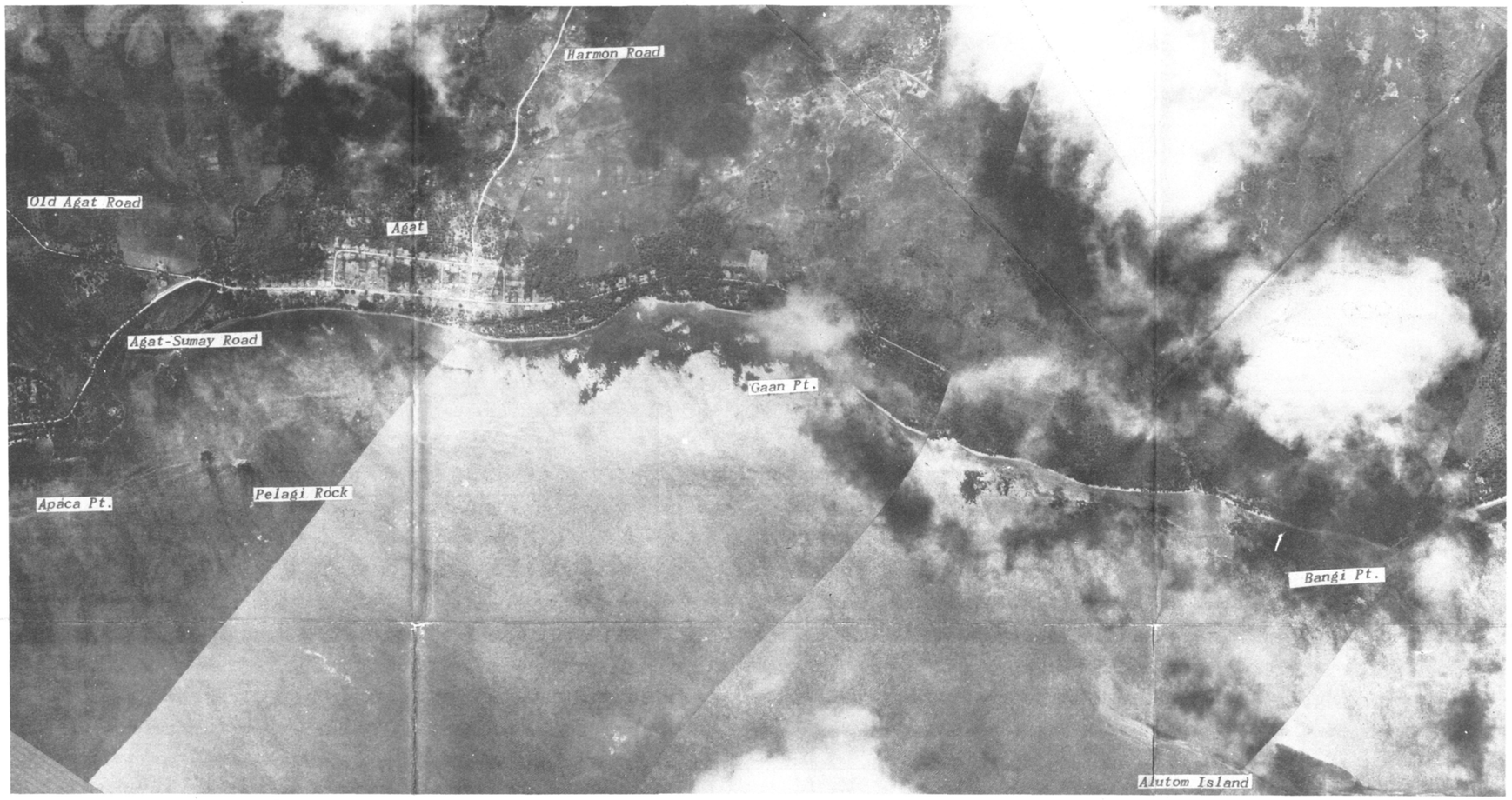


SEE REVERSE SIDE OF SHEET
FOR PHOTOGRAPHS OF AREA

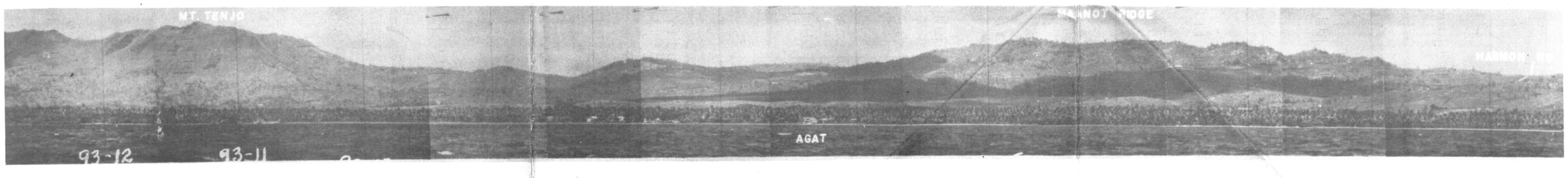
BEACH SKETCH

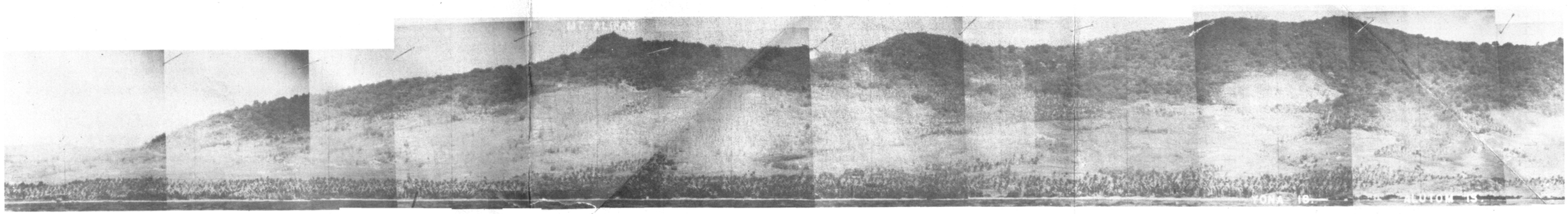
NOTE: Character and distinguishing features of landing beaches may be altered by preceding bombardment.

Photographs of Southern Beach



MOSAIC FROM PHOTOGRAPHS 7 MAY 1944,





SUBMARINE RECONNAISSANCE

2-29 APRIL 1944

Becomes Restricted in Combat Zone.
DECLASSIFIED

APPENDIX "5" TO
ANNEX "B" TO
COMMANDER SOUTHERN ATTACK FORCE (TF 53)
OPERATION PLAN NO. A162-44.

TIDE PREDICTIONS

GUAM (Port Apra)

Lat. 13° 26' N. Long. 144° 40' E.

June, 1944

Calculated in -10 or KING zone time from U. S. Data

	High Water				Low Water				
DATE 1944	HIGH -10Z	FEET PLUS	HIGH -10Z	FEET PLUS	LOW -10Z	FEET PLUS	LOW -10Z	FEET PLUS	MOON PHASE
June									
1	0414	2.4	1638	1.7	1122	0.9	2150	0.9	
2	0440	2.4	1737	1.9	1143	0.7	2239	1.0	
3	0502	2.5	1828	2.1	1206	0.6	2327	1.2	
4	0528	2.6	1913	2.3	--	--	1232	0.4	
5	0553	2.6	1958	2.5	0013	1.3	1259	0.2	
6.	0617	2.6	2044	2.6	0059	1.4	1330	0.1	Full
7	0647	2.7	2130	2.7	0142	1.5	1406	-0.1	
8	0720	2.7	2221	2.7	0225	1.7	1445	-0.2	
9	0754	2.6	2312	2.7	0316	1.7	1528	-0.2	
10	0837	2.6	--	--	0409	1.8	1617	-0.1	
11	0005	2.7	0930	2.5	0515	1.7	1709	0.0	
12	0100	2.7	1041	2.3	0628	1.7	1806	0.2	
13	0147	2.7	1211	2.2	0744	1.5	1910	0.4	Last Q.
14	0234	2.7	1354	2.2	0854	1.2	2019	0.7	
15	0317	2.7	1533	2.2	0952	0.9	2124	0.9	
16	0354	2.7	1657	2.3	1042	0.6	2227	1.1	
17	0430	2.7	1810	2.5	1127	0.4	2323	1.3	
18	0506	2.8	1910	2.6	--	--	1212	0.2	
19	0539	2.8	2009	2.7	0013	1.5	1254	0.0	
20	0612	2.8	2102	2.7	0103	1.6	1335	-0.1	New
21	0651	2.7	2153	2.7	0152	1.7	1417	-0.1	
22	0725	2.7	2241	2.7	0241	1.8	1457	-0.1	
23	0800	2.6	2325	2.7	0333	1.8	1536	0.0	
24	0838	2.4	--	--	0431	1.8	1615	0.1	
25	0006	2.6	0914	2.3	0538	1.7	1653	0.3	
26	0048	2.6	0958	2.1	0700	1.6	1728	0.5	
27	0129	2.5	--	--	--	--	1807	0.6	
28	0202	2.5	1238	1.8	0926	1.3	1850	0.8	1st Q.
29	0234	2.5	1428	1.7	0955	1.1	1940	1.0	
30	0301	2.5	1601	1.8	1026	0.9	2036	1.2	

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[redacted] Becomes Restricted in Combat Zone.

APPENDIX "5" TO
ANNEX "B" TO
COMMANDER SOUTHERN ATTACK FORCE (TF 53)
OPERATION PLAN NO. A162-44.

TIDE PREDICTIONS

GUAM (Port Apra)

Lat. 13° 26' N. Long. 144° 40' E.

July, 1944

Calculated in -10 or KING zone time from U.S. data

DATE 1944	HIGH -10Z	FEET PLUS	HIGH -10Z	FEET PLUS	LOW -10Z	FEET PLUS	LOW -10Z	FEET PLUS	MOON PHASE
July									
1	0330	2.5	1716	2.0	1055	0.7	2142	1.3	
2	0358	2.6	1819	2.2	1124	0.5	2246	1.5	
3	0427	2.6	1911	2.4	1158	0.3	2341	1.6	
4	0503	2.7	1957	2.6	--	--	1234	0.2	
5	0540	2.8	2041	2.7	0040	1.7	1311	0.0	
6	0620	2.8	2126	2.8	0129	1.8	1352	-0.1	Full
7	0702	2.8	2210	2.9	0218	1.8	1434	-0.2	
8	0752	2.8	2252	2.9	0313	1.8	1519	-0.1	
9	0843	2.7	2335	2.9	0405	1.7	1607	0.0	
10	0944	2.6	--	--	0504	1.6	1656	0.2	
11	0017	2.8	1054	2.5	0601	1.5	1746	0.4	
12	0057	2.7	1214	2.3	0704	1.3	1840	0.7	Last Q.
13	0139	2.7	1347	2.2	0811	1.0	1939	0.9	
14	0219	2.7	1527	2.2	0914	0.7	2044	1.2	
15	0300	2.7	1657	2.3	1011	0.5	2147	1.4	
16	0339	2.7	1815	2.4	1105	0.3	2254	1.6	
17	0422	2.7	1919	2.5	1155	0.1	2357	1.7	
18	0502	2.7	2011	2.6	--	--	1240	0.0	
19	0546	2.7	2056	2.7	0052	1.8	1323	-0.1	
20	0631	2.7	2138	2.7	0146	1.8	1405	0.0	New
21	0712	2.6	2214	2.7	0235	1.8	1442	0.0	
22	0752	2.5	2249	2.7	0324	1.7	1516	0.1	
23	0833	2.4	2320	2.6	0412	1.6	1548	0.3	
24	0914	2.3	2349	2.6	0504	1.5	1621	0.4	
25	0958	2.1	--	--	0550	1.4	1651	0.6	
26	0017	2.6	1058	1.9	0645	1.3	1723	0.7	
27	0048	2.5	1210	1.9	0736	1.2	1800	0.9	
28	0115	2.5	1346	1.8	0831	1.0	1848	1.1	1st Q.
29	0148	2.5	1536	1.9	0917	0.8	1946	1.3	
30	0222	2.5	1702	2.1	1001	0.6	2102	1.5	
31	0302	2.5	1810	2.3	1043	0.4	2220	1.7	

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APPENDIX "5" TO ANNEX "B" TO COMMANDER SOUTHERN ATTACK FORCE (TF 53) OPERATION PLAN NO. A162-44 (CONTINUED)

All data was taken from U. S. C.&G.S. tide tables for the Gilbert, Marshall, Caroline and Mariana Islands, Feb. 1944. Reference station was Saipan.

The times shown herein vary slightly from those shown by Japanese Tide Tables, 1944, and the heights, both at high and low water, shown in the above table are usually 1 to 1-1/2 feet lower than those shown by the Japanese Tide Tables, 1944.

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[redacted]
Becomes Restricted
in Combat Zone

1st page

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APPENDIX 6 TO
ANNEX B TO
COMMANDER SOUTHERN ATTACK FORCE (TF 53)
OPERATION PLAN NO. A-162-44.

Daylight and Dark Table

GUAM

Lat. 13° 26' N. Long. 144° 40' E.

This table is calculated in -10 or KING zone time.

June 1944	Morn. Twil't	Sunrise	Sunset	Eve. Twil't	Dark Per. Hr.	Min.	Moon Rise	Moon Set	Moon Phase
1	0435	0553	1845	2003	8	32	1405	0150	
2	0435	0553	1845	2003	8	32	1452	0228	
3	0435	0553	1845	2004	8	31	1540	0306	
4	0435	0553	1846	2004	8	31	1629	0346	
5	0435	0553	1846	2005	8	30	1722	0429	
6	0434	0553	1846	2005	8	29	1817	0515	Full
7	0434	0553	1847	2006	8	29	1915	0605	
8	0434	0553	1847	2006	8	28	2013	0659	
9	0434	0553	1848	2007	8	28	2111	0756	
10	0434	0553	1848	2007	8	27	2207	0856	
11	0434	0553	1848	2007	8	27	2301	0956	
12	0434	0554	1848	2008	8	26	2351	1056	
13	0434	0554	1849	2008	8	26	--	1154	Last Q.
14	0435	0554	1849	2009	8	26	0038	1250	
15	0435	0554	1849	2009	8	26	0123	1346	
16	0435	0554	1850	2009	8	26	0208	1441	
17	0435	0554	1850	2009	8	26	0253	1536	
18	0435	0555	1850	2010	8	25	0340	1632	
19	0435	0555	1850	2010	8	25	0428	1728	
20	0435	0555	1851	2010	8	25	0518	1824	New
21	0435	0555	1851	2010	8	25	0610	1919	
22	0436	0555	1851	2011	8	25	0702	2011	
23	0436	0556	1851	2011	8	25	0754	2101	
24	0436	0556	1851	2011	8	25	0845	2146	
25	0436	0556	1852	2011	8	25	0935	2228	
26	0437	0556	1852	2012	8	25	1024	2308	
27	0437	0557	1852	2012	8	25	1112	2346	
28	0437	0557	1852	2012	8	25	1158	--	First Q.
29	0437	0557	1852	2012	8	25	1244	0024	
30	0437	0557	1852	2012	8	25	1331	0102	

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[redacted] Becomes Restricted in Combat Zone

APPENDIX "6" TO
ANNEX "B" TO
COMMANDER SOUTHERN ATTACK FORCE (TF 53)
OPERATION PLAN NO. A162-44.

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Daylight and Dark Table

GUAM

Lat. 13° 26' N. Long. 144°40' E.

This table is calculated in -10 or KING zone time.

July 1944	Morn. Twil't	Sunrise	Sunset	Eve. Twil't	Dark Hr.	Dark Min.	Moon Rise	Moon Set	Moon Phase
1	0437	0557	1852	2012	8	25	1419	0141	
2	0437	0558	1852	2012	8	25	1510	0222	
3	0438	0558	1852	2012	8	26	1603	0305	
4	0438	0558	1852	2012	8	26	1700	0353	
5	0439	0559	1852	2012	8	27	1759	0446	
6	0439	0559	1852	2011	8	28	1858	0543	Full
7	0440	0559	1852	2011	8	29	1956	0643	
8	0440	0559	1852	2011	8	29	2052	0744	
9	0441	0600	1852	2011	8	30	2146	0846	
10	0441	0600	1852	2011	8	30	2235	0947	
11	0442	0600	1852	2011	8	31	2322	1045	
12	0443	0600	1852	2011	8	32	--	1141	Last Q.
13	0443	0601	1852	2011	8	32	0008	1238	
14	0443	0601	1852	2010	8	33	0052	1333	
15	0444	0602	1852	2010	8	34	0138	1427	
16	0444	0602	1852	2010	8	34	0225	1522	
17	0445	0602	1852	2010	8	35	0313	1617	
18	0445	0603	1852	2010	8	35	0403	1712	
19	0445	0603	1852	2010	8	35	0455	1805	
20	0445	0603	1852	2010	8	36	0547	1854	New
21	0445	0603	1852	2010	8	36	0638	1941	
22	0445	0604	1852	2009	8	37	0729	2025	
23	0445	0604	1851	2009	8	38	0818	2106	
24	0446	0604	1851	2009	8	38	0906	2145	
25	0446	0604	1851	2009	8	38	0952	2223	
26	0446	0604	1850	2009	8	39	1038	2300	
27	0446	0605	1850	2009	8	39	1124	2337	
28	0446	0605	1850	2008	8	40	1211	--	First Q.
29	0446	0605	1850	2008	8	41	1300	0016	
30	0446	0605	1849	2008	8	41	1351	0058	
31	0446	0606	1849	2008	8	41	1445	0142	

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DECLASSIFIED
becomes restricted in combat zone

Appendix 7, (to) Annex "B"
(to) Commander Southern Attack Force (TF 53)
Operation Plan No. A162-44

"STEVEDORE ISLAND"

TIDE, MOON AND SUN DIAGRAM

June 15 to July 12 Inclusive

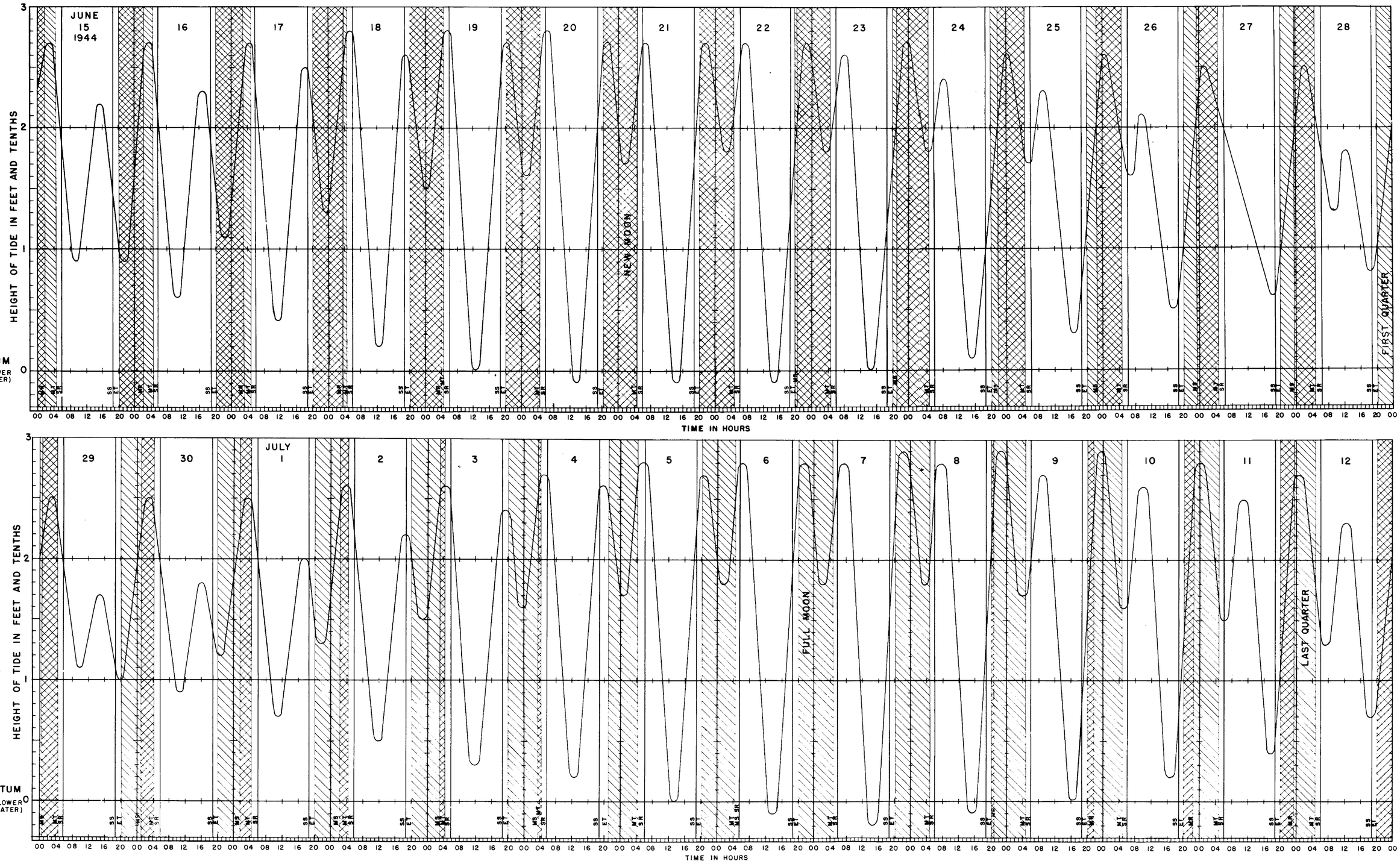
Showing daylight, moonlight and twilight periods and stages of the tide at any time

Prepared by Intel. Sect., Grp. 3, 5th Amphib. Force--May 10, 1944

MOON PHASES
- ☽ June 28
- ● July 6
- ☾ July 12

All times -10

LEGEND
- Moonlight period
- Dark period
- SR--Sunrise time
- SS--Sunset time
- MR--Moonrise time
- MS--Moonset time
- ET--Evening twilight
- MT--Morning twilight



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DECL

[redacted]

APPENDIX "7" TO ANNEX "B" TO
COMMANDER NORTHERN ATTACK GROUP
ATTACK ORDER NO. A165-44

1. Appendix "7" to Annex "B" consists of Defense Overlay (2 sheets) appended to Addenda No. 1 to Annex "B" (Intelligence Plan) of Commander Task Force 53 Operation Plan A162-44.

R. L. CONOLLY,
Rear Admiral, U.S. Navy,
Commander Northern Attack Group

Distribution:
Same as Attack Order No. A165-44.

S. H. HAHN,
Flag Secretary.

DECL

(SHEET No. 2)

PREPARED BY INTELLIGENCE SECTION
GROUP 3, FIFTH AMPHIBIOUS FORCE.

OVERLAY OF DEFENSE INSTALLATIONS
ISLAND OF GUAM

TO BE USED WITH SHEETS No. 1, 2 AND 3, JICPOA

Map. Scale: 2" = 1 Nautical Mile

SECRET

[Change to Restricted in Combat Area]

Based on Photographic Reconnaissance of 25 April, 7 May and 29 May 1944. Cloud Coverage on all Sorties renders interpretation incomplete

LEGEND OF DEFENSES

- Coast Defense Guns
- Heavy AA
- Dual Purpose
- Light AA
- Machine Guns
- Pillbox
- Empty or Unidentified Position
- Radar
- Searchlight
- Trench
- Tank Trap
- Underwater Obstacles
- Observation Post
- Former U.S. Position
- Barbed Wire
- Supply or Ammunition Dump
- Activity

Number with symbol indicates number of guns etc., dotted indicates probable

Characteristics of track activity and size of dispersal areas is such that the presence of tanks and mobile artillery should not be discounted.

NOTE: Underwater obstacles previously indicated off Asan Beach, (Target Area 601) do not appear on photos of 29 May and are not shown hereon. It is possible that these may have been excavations for reef mines.

Airstrip Under Construction

Camp Area

Activity

TOM

BUTCH

AMM Storage

Operational Air Strip

JAKE

BOB

RALPH

DICK

BILL

JIM

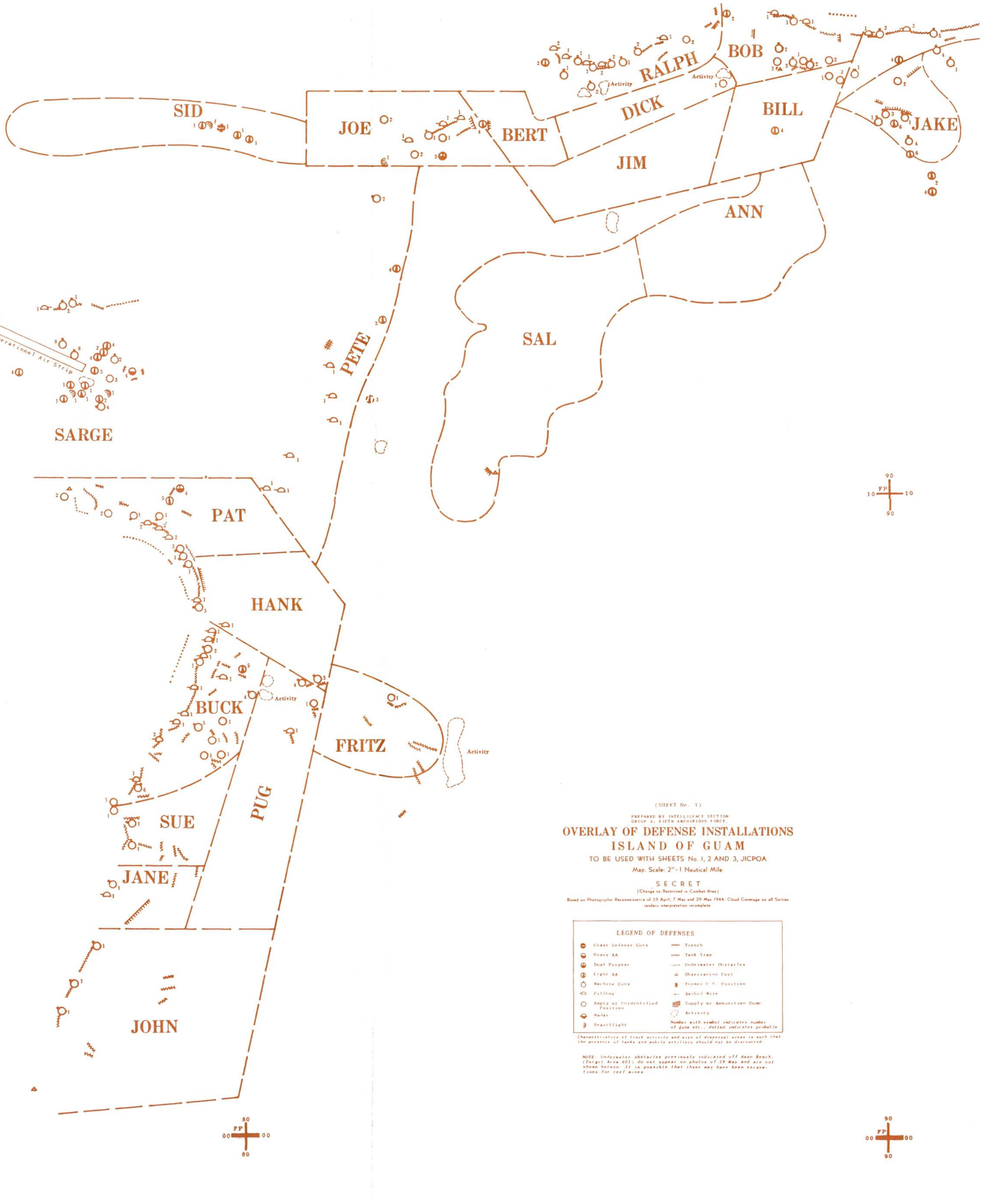
ANN

JOE

BERT

SID

RECEIVED



(SHEET No. 1)

PREPARED BY INTELLIGENCE SECTION
GROUP 3, FIFTH AMPHIBIOUS FORCE.

OVERLAY OF DEFENSE INSTALLATIONS ISLAND OF GUAM

TO BE USED WITH SHEETS No. 1, 2 AND 3, JICPOA

Map. Scale: 2"=1 Nautical Mile

SECRET

[Change to Restricted in Combat Area]

Based on Photographic Reconnaissance of 25 April, 7 May and 29 May 1944. Cloud Coverage on all Sorties renders interpretation incomplete

LEGEND OF DEFENSES

Coast Defense Guns	Trench
Heavy AA	Tank Trap
Dual Purpose	Underwater Obstacles
Light AA	Observation Post
Machine Guns	Former U. S. Position
Pillbox	Barbed Wire
Empty or Unidentified Position	Supply or Ammunition Dump
Radar	Activity
Searchlight	Number with symbol indicates number of guns etc., dotted indicates probable

Characteristics of truck activity and size of dispersal areas is such that the presence of tanks and mobile artillery should not be discounted.

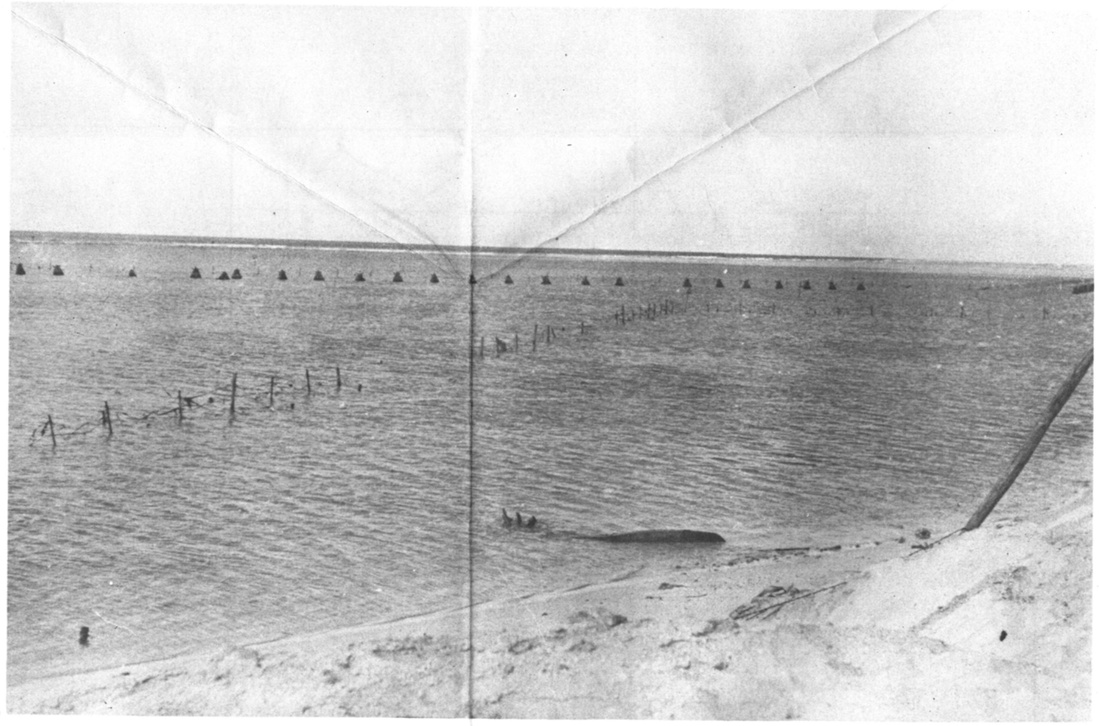
NOTE: Underwater obstacles previously indicated off Asan Beach, (Target Area 601) do not appear on photos of 29 May and are not shown hereon. It is possible that these may have been excavations for reef mines.

JAPANESE INSTALLATIONS LIKELY TO BE ENCOUNTERED

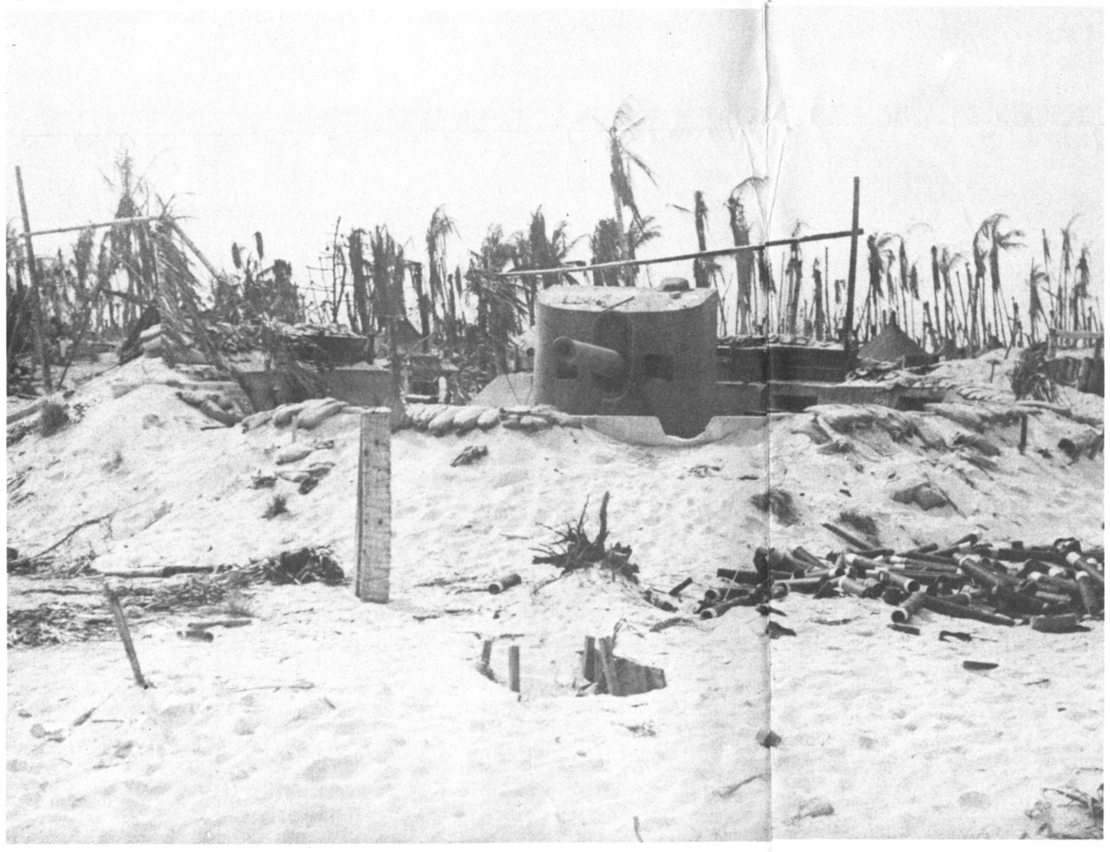
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75 MM. A.A. GUN, TARAWA



HORNED SCULLYS AND BARBED WIRE ENTANGLEMENT, TARAWA



COASTAL DEFENSE GUN, TARAWA



MACHINE GUN, NAMUR

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APPENDIX 8 TO ANNEX "B"

TO COMMANDER SOUTHERN ATTACK FORCE (CTF53)
OPERATION PLAN NO. A162-44

CHART OF DEFENSE INSTALLATIONS ISLAND OF GUAM

Based on Photographic Reconnaissance of 25 April 1944 and 7 May 1944

SECRET
(Change to Restricted in Combat Area)

LEGEND
- COAST DEFENSE GUNS
- HEAVY AA
- LIGHT AA
- MACHINE GUNS
- PILLBOX
- EMPTY OR UNIDENTIFIED POSITION
- SEARCHLIGHT
- TRENCH
- TANK TRAP
- UNDERWATER OBSTACLES
- OBSERVATION POST
- FORMER U.S. POSITION
- RADAR
- BARBED WIRE
- SUPPLY DUMP

NUMBER WITH SYMBOL INDICATES NUMBER OF GUNS, ETC. DOTTED INDICATES PROBABLE.

THE ABOVE POINT IS DESIGNATED FP953-376

FP GP FQ

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AREA - TOM

No.	Installation	Grid Position
2	Empty Positions	FP971-250
2	Light AA	FP965-223
4	" "	FP964-218
2	" "	FP959-203
5	" "	FP955-192
1	Searchlight	FP928-191
1	Empty Position	FP963-225
2	" "	FP958-209

AREA - BUTCH

3	Empty Positions	FP924-175
1	Machine Gun	FP929-188
4	Machine Guns	FP939-173
4	Heavy AA	FP944-178
4	" "	FP935-175
4	" "	FP913-170
4	Light AA	FP939-177
4	" "	FP918-171
4	" "	FP952-183
4	" "	FP956-178
4	" "	FP954-175

AREA - JAKE

6	Light AA	FP902-153
2	" "	FP906-148

AREA - JIM

AREA - DICK

AREA - BOB

4	Light AA	FP875-170
4	" "	FP876-173
4	" "	FP884-169
2	" "	FP891-165

AREA - RALPH

2	Light AA	FP857-160
2	Heavy AA	FP848-165
	Water obstacles	FP863-173

AREA - BERT

4	Light AA	FP839-154

AREA - JOE

4	Light AA	FP820-150
2	Empty Positions	FP835-153

AREA - SID

1	Light AA	FP798-155

AREA - ANN

AREA - SAL

AREA - PETE

4	Possible Heavy AA	FP821-136

AREA - SARGE

No.	Installation	Grid Position
4	Coastal Defense	FP750-133
1	Heavy AA	FP756-125
4	Light AA	FP753-132
6	" "	FP759-125
4	" "	FP767-118
4	" "	FP780-118
4	" "	FP784-115
9	Machine Guns	FP773-124
5	" "	FP775-123
2	" "	FP772-106
1	Searchlight	FP774-111
1	Possible Radar	FP757-130
1	" "	FP773-116
1	Empty Position	FP784-115

AREA - PAT

4	Heavy AA	FP788-100
5	Light AA	FP790-098
Many	Water obstacles	FP780-090
1	Empty Position	FP779-095

AREA - HANK

AREA - PUG

1	Empty Position	FP799-055
1	" "	FP798-050
1	" "	FP800-044

AREA - BUCK

5	Light AA	FP802-070
2	Pillboxes	FP792-065

AREA - SUE

AREA - JANE

AREA - JOHN

AREA - DAVE

AREA - NED

AREA - FRITZ

1	Empty Position	FP825-069

AREA - BILL

4	Light AA	FP877-156

TRENCHES AND TANK TRAPS NOT TABULATED

APPENDIX "9" TO
ANNEX "B" TO
COMMANDER SOUTHERN ATTACK FORCE (TF 53)
OPERATION PLAN NO. A-162-44

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[redacted]

FIFTH AMPHIBIOUS FORCE CIRCULAR LETTER AL23-44

From: Commander FIFTH Amphibious Force, U. S. Pacific Fleet.
To: FIFTH Amphibious Force.

Subject: Intelligence Doctrine.

1. In order to coordinate and standardize intelligence activities during operations, the following procedure will be followed by all units of this command unless otherwise directed.

2. Reports:

(a) Commander Joint Expeditionary Force will make daily periodic reports during the Amphibious Phase of an operation as of 2200. Principal subordinate commanders will make reports to arrive at the Force Flag Ship not later than 2000 to form the basis of the reports of the Force Commander.

(b) Force Intelligence estimates and reports will be distributed to all subordinate units and ships as the situation may require.

3. Prisoners of War.

(a) Task Force Commanders will, prior to departure from bases to the objectives, designate the Attack Transports (APA)'s that are to be used for Prisoner of War Ships.

(b) It is not desired to use Attack Cargo Ships (AKA)'s for Prisoner of War Ships.

(c) APA's used as Prisoner of War Ships will not be used to receive casualties.

(d) Task Force Commanders will inform Commanding Officer of Landing Forces the ships designated as P.O.W. ships.

(e) During the Amphibious Phase, Prisoners of War will be delivered to P.O.W. Ships under guards furnished by the Landing Force. These guard details will include at least one enlisted Japanese interpreter.

(f) Commanding General Expeditionary Troops will designate Japanese Language Officers who will be assigned to Prisoner of War ships for the return voyage. These officers will embark aboard P.O.W. ships just prior to departure to rear areas.

(g) The duties of these officers will be to facilitate:

(1) Organizing and controlling P.O.W.'s aboard ship.

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APPENDIX "9" TO ANNEX "B" TO COMMANDER SOUTHERN ATTACK FORCE
(TF 53) OPERATION PLAN NO. 162-44 (CONTINUED)

DECLASSIFIED

[redacted]

Subject: Intelligence Doctrine

(2) Interpreting for doctors, billeting officers, and mess officers.
(3) Processing P.O.W.'s enroute to rear areas.

(h) Troops designated as P.O.W. guards aboard P.O.W. ships will remain aboard these ships until relieved by Task Force Commanders.

(i) Officers, non-commissioned officers, other ranks, and civilian prisoners of war, will be kept segregated.

(j) Prior to the arrival of P.O.W. ships' in a rear area, Commanding Officers of these ships will, as soon as practicable with consideration for the requirements of radio silence, furnish the Commandant of the Naval District with the following information:

(1) Number of officer prisoners, Japanese.
(2) Number of enlisted prisoners, Japanese.
(3) Number of stretcher case prisoners.
(4) Number of civilian prisoners.
(5) Number of Korean prisoners.

(k) Commanding Officers of P.O.W. ships will ensure that humane treatment is accorded all P.O.W.'s as laid down in U.S. War Department Field Manual 27-10 (Rule of Land Warfare).

(l) On shore, Prisoners of War will be handled as directed by Commanding General, Expeditionary Troops.

4. Captured Documents and Material:

(a) All captured documents and material of whatever nature are the property of the U. S. Government and will not be put to personal use.

(b) If, by any reason of naval or military necessity during the amphibious phase, it becomes necessary for any unit or ship to use, destroy, or distribute captured documents or material, the circumstances will be reported to Commander FIFTH Amphibious Force.

(c) On shore, captured documents and material will be handled as directed by the Commanding General Expeditionary Troops.

(d) Intelligence Teams from JICPOA will report to the Commander FIFTH Amphibious Force, Pacific Fleet for further assignment to Landing Forces through the Expeditionary Troop Commander.

(e) It will be the duty of the Intelligence Teams from JICPOA to accept custody of and assist in the evaluation of documents and material. They will make detailed field studies of enemy installations and

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[redacted]

Subject: Intelligence Doctrine

equipment including ordnance and aircraft material.

(f) It will also be the duties of these Intelligence Teams to handle intelligence material and to insure that such designated material is dispatched to the Joint Intelligence Center, Pacific Ocean Area.

(g) Officers of the FIFTH Amphibious Force, afloat, will take steps to ensure that all documents and material pertaining to the enemy are turned in to the Intelligence Section, FIFTH Amphibious Force. On shore, all documents and materiel pertaining to the enemy will be turned in to nearest Intelligence Section of the Landing Force.

(h) Captured documents or information of immediate value dealing with Naval functions will immediately be forwarded to the Commander of the Naval Task Force through channels by the most expeditious means.

(i) Intelligence Officers will examine captured material when turned in by an individual and if the article is of no military value, will stamp same, "Examined in the field and passed by Joint Intelligence", then return article to the finder if desired by him as a souvenir.

(j) The Commanding Officers of ships will cause an inspection to be made of individuals returning aboard ships from Combat Areas, for enemy documents and material. The Commanding Officers of Organized Units returning aboard ship from a Combat Area will inspect their units for enemy documents and material. Those articles not bearing an official souvenir stamp will be immediately confiscated and turned over to the appropriate Intelligence Section. Offenders will be subjected to disciplinary action by appropriate authority.

(k) Full use of serviceable captured material and equipment will be made by assault and garrison forces and by Naval Units.

5. COUNTER INTELLIGENCE

(a) Natural cover will be utilized to the maximum in concealing small craft, boats, personnel and supplies. Ships and boats will be dispersed except when actually engaged in loading and unloading operations.

(b) Personnel captured are required by the rules of Land Warfare to give only their Name, Rank or Rating and Serial or File Number and will divulge no other information to the enemy.

(c) Personal diaries will not be kept.

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APPENDIX "9" TO ANNEX "B" TO COMMANDER SOUTHERN ATTACK FORCE (TF 53) OPERATION PLAN NO. 162-44 (CONTINUED)

[redacted]

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Subject: Intelligence Doctrine

(d) Personnel with specific knowledge of future operations will not be assigned missions involving appreciable risk of capture.

(e) Personnel landed will not carry personal letters or other compromising material with them. Insignia of rank will be carried but should not be visible. All personnel landed including correspondents should be dressed in conformity to the clothing worn by troops ashore. This applies to officers going ashore on inspection tours. The use of distinctive articles of uniform and equipment will be avoided. No diaries will be taken ashore or kept on shore.

6. Public Relations

(a) War correspondents and photographers will be assigned to the FIFTH Amphibious Force, Pacific Fleet for all operations, by the Commander in Chief, Pacific Fleet, to insure full and proper coverage.

(b) War correspondents assigned for an operation which involves landing of troops, will report to the Commanding General, Expeditionary Troops, for further assignment. When ashore correspondents will be under the control of the landing force officer to whom assigned.

(c) All Force, Group, and Unit Commanders will provide accredited representatives of the press, Naval and Military forces assigned to coverage of the Pacific Campaign, all practicable cooperation, including information and physical facilities consistent with security and operations.

(d) A representative of the Pacific Fleet Public Relations Office will arrange for all interviews with personnel returning from a combat area, desired by Press Correspondents.

(e) Commanding Officers of all Ships and Troop Units will comply with Pacific Fleet Letter 7L-44.

(f) Copy forwarded by War Correspondents will not be censored by field commanders but will be transmitted for censorship to Commander in Chief, Pacific Fleet or his field representative.

(g) It is expected that Public Relations Officers from the Staff of the Commander in Chief, Pacific Fleet will be assigned as the field representative of Commander in Chief, Pacific Fleet,

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APPENDIX "9" TO ANNEX "B" TO COMMANDER SOUTHERN ATTACK FORCE (TF 53) OPERATION PLAN NO. 162-44 (CONTINUED)

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[redacted]

Subject: Intelligence Doctrine

to the Commander FIFTH Amphibious Force, Pacific Fleet for operations. These officers will coordinate press activities, censor and arrange for the transmission of material to be released and arrange for the transportation to Commander in Chief, Pacific Fleet of material to be censored and released at PEARL.

(h) All personnel of the FIFTH Amphibious Force (Army, Navy, and Marine) during Amphibious Operations will not disclose in their personal correspondence, estimates of enemy forces, numbers of prisoners captured or any information pertaining to prisoners captured.

/s/ R. K. TURNER.

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APPENDIX "10" TO
ANNEX "B" TO
COMMANDER SOUTHERN ATTACK FORCE (TF 52)
OPERATION PLAN NO A-162-44.

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EXTRACTS FROM PRELIMINARY SUBMARINE

RECONNAISSANCE REPORT

U.S.S. GREENLING - 2 APRIL - 29 APRIL 1944.

"RECONNAISSANCE.

"There was considerable aviation activity on Guam, Tenian, and Saipan. The landing field on Guam is located on OROTE point. The field on Tenian is located on the northwest end of the island as is charted on existing maps. On Saipan the landing field is as charted, "Aslito Naval Air Base". No auxiliary fields were observed on any of the islands. Three planes were seen on pre-dawn takeoff to the north in the direction of Tanapag Harbor, but could not be identified. Flying boats were suspected but could have been bombers taking off from a possible field on northwest coast. Flying boats and float planes operate from Port Apra on Guam and Tanapag Harbor on Saipan. A total of two hundred forty one aircraft contacts were made comprising four hundred and nine planes. Approaching the islands periscope exposures were made every 15 minutes and while in close to beach quick sweeps that took in only close planes were made, thus total planes would be more than reported. Following are listed planes by types, of which the same plane may have been sighted several times: Oscar 190, Sally 100, Mavis 14, Rufe 10, Betty 9, Transport 6, Emily 6, Nell 3, Jake 3, Val 1, Pete 1, Unidentified 59.

"A possible mine layer was observed off Asiga Point in Saipan channel. No ships were observed to use this channel. All shipping, including a hospital ship used Tenian channel. GREENLING believes this channel to be mined. While photographing Tenian Harbor definite metallic scraping noises were heard on three occasions through the hull throughout the boat which might possibly have been mine cables.

"There was a surprising lack of fishing vessels; two sighted off Tanapag and one off Guam. Cargo is carried between Saipan and Tenian by army type "A" landing barges.

"Anti-submarine surface patrols consisted of motor sampans resembling Navy "A" type barges and 400 - 600 ton trawlers. Motor sampans presented neat appearance and were manned by about twenty men in white naval uniforms, carrying something in stern resembling depth charges.

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APPENDIX "10" TO ANNEX "B" TO COMMANDER SOUTHERN ATTACK FORCE (TF 53) OPERATION PLAN NO. 162-44 (CONTINUED)

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"No shipping was sighted at Tinian Harbor. Ships were sighted in Port Apra and Tanapag Harbor. Port Apra has been dredged out and a mole constructed to the west of Cabras Island. Tanapag Harbor has been dredged to accommodate over twelve large ships. No shipping was sighted in Garapan Anchorage.

"TIDES AND CURRENTS - GUAM.

"When over ten miles from the coast of Guam the set is very slight and dependent largely on wind and sea conditions.

"From 2 to 8 miles north of Pt. Ritidian on the north coast a set of almost a knot to the westward was encountered on three occasions. The sea was moderately rough, wind East about 12 knots. When within a mile of the north coast east of Pt. Ritidian to Pt. Pati no set or drift was noticed. There was evidence of strong rips at Pt. Titidian and Pt. Pati.

"Off the east coast a set of less than 1/4 knot was encountered. This set is not noticed when within a mile off shore south of Pt. Janum.

"There was no set or drift noticed off the south coast.

"Off the west coast south of Orote Pt. the current is apparently governed by the tide as stated in JICPOA Bulletin #7-44. On the ebb tide the current is southerly off Port Apra changing to southeasterly off Pt. Facpi. On the flood the current is northerly off Port Apra and northwesterly off Pt. Facpi. The ebb current is slightly stronger than the flood but does not exceed .7 knots. Very little set is felt less than two miles off shore south of Port Apra except at Pt. Facpi.

"The only observations north of Orote Pt. were made during the ebb tide on three different days. The current at these times set southerly and a little easterly south of Tumon Bay. Off Pt. Achae a northerly set of almost a knot was encountered.

"H.O. chart of Guam is accurate with exception of Pt. Urano which is believed to extend farther westward than charted. Lights on Guam are in place but not buring. Mountains are not easily distinguished but with exception Pt. Urano tangents are good. Deep water exists to within a mile of beach. Most prominent landmarks are lights at Orote and Ritidian Points.

"On Pt. Ritidian there is the old navigational light and an observation tower. On beach northwest of Point there are several native shacks. Beach is sandy here but is fringed by reefs and hills in background heavily wooded. (***). East coast from Pt. Ritidian to Pt. Tagua has sand beach but is fringed by reef. Hills are steep and heavily wooded. Landing would have to be in calm sea. (***) Reef is navigable for native canoes. A small concrete house is situated at Tarague. From Pt. Tagua to Pt. Lafac coast is rocky and steep. (***) Pt. Fadian and Pt. Taogam have rocky coast. (***) A radar, guns, and emplacements are located on peak of Pt. Pago on seaward side of road. (***) A twin mount A.A. gun is located on peak at Pt. Ypan. A ship is beached at Pt. Tarafofo. (***) "

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ADDENDA NO. 1 TO ANNEX "B" (INTELLIGENCE PLAN) TO COMMANDER SOUTHERN ATTACK FORCE (CTF 53) OPERATION PLAN NO. A162-44.

1. Target tabulation and notes - Guam.
2. Marine sign and countersign.
3. Defense overlay (2 sheets) Guam.

NOTE:

The Agana and Orote airfields are both operational and work is continuing on the coral surfacing of dispersal areas. Additional surfacing along the north side of the Agana airfield has increased the width of the runway to 400'.

Clearing has been completed on the Tanguisson airfield (5300' x 350') and grading activity is now underway. Clearing for dispersal areas is continuing.

A fourth airfield in the Finegayan area is under construction.

Bivouac Areas - Supply Dumps - Areas of Unusual Activity.

1. Concentration of barracks-type buildings along Tanguisson-Agana road probably housing for workers on two non-operational airstrips. Great number of small houses on neck of Orote Peninsula inhabited by workers in Sumay-Agat-Piti area.

2. Seventeen large warehouses south west of Agana airfield appear to be logistical base for island's defenders. Ammunition, fuel, and miscellaneous stores needed for air operations are dumped within several groves around Agana and Orote airfields or buried in newly constructed underground shelters.

3. Areas of unusual activity possibly indicative of mechanized concentration were noted on Ritidian Point and behind the Maanot Ridge in particular. A good network of roads over most of island would permit rapid movement and location of mobile field-artillery.

Underwater obstacles previously indicated off Asan Beach, (Target Area 601) do not appear on photos of 29 May and are not shown on overlays. It is possible that these may have been excavations for reef mines.

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18 SEP 1944

C.M.# 11-ND-1335

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INSTALLATIONS IN NAMED TARGET AREA

No.	Installation	Location
	ANN	
--	--	--
	BERT	
4	Light AA	558 I
-	Tank trap	558 I
	BILL	
4	Light AA	563 G
1	Unidentified position	585 K
2	" "	585 L
	BOB	
7	Machine guns	584 B
3	Field Artillery Positions	584 G
3	Machine guns	584 H
-	Trench	584 H
-	Trench	584 I
2	Machine guns	584 I
1	Unidentified position	584 I
2	" "	585 F
2	Light AA	602 M
-	Tank trap	602 T-Y
1	Pill box	603 L
-	Trench	603 L-M
1	Machine gun	603 R
1	Pill box	603 S
-	Trench	603 S-T
-	Trench	603 Y-604 U
-	Underwater obstacles	604 K-L-M
-	Tank trap	604 V
-	Trench	604 W
	BUCK	
1	Empty revetment	346 T
-	Trench	347 C-D
-	Trench	347 D
-	Trench	347 H
1	Pill box	347 L
6	Machine guns	347 L
-	Trench	347 L-Q
-	Trench	347 Q-R
1	Empty revetment	348 B
-	Trench	348 C-D
1	Empty revetment	348 D
1	Pill box	362 O
-	Trench	362 S
-	Trench	362 T

No.	Installation	Location
	BUCK (Cont.)	
-	Trench	362 X
2	Pill boxes	362 X
1	Pill box	363 B
-	Trench	363 B-F
-	Trench	363 C
1	Pill box	363 K
1	Empty revetment	363 N
-	Trench	363 P-U
5	Machine guns	363 Q
-	Trench	363 R
-	Trench	363 S-X
-	Trench	363 T-Y
1	Empty revetment	363 W
4	Machine guns	364 A
-	Underwater obstacles	378 O-T-Y
-	Underwater obstacles	379 A-F-K
1	Pill box	379 C
-	Trench	379 C-H
1	Pill box	379 H
1	Pill box	379 L
2	Machine guns	379 M
-	Trench	379 O
1	Machine gun	379 Q
-	Trench	379 Q-V
-	Trench	379 R
-	Trench	379 R-W
-	Trench	379 S
5	Light AA	379 T
1	Pill box	379 X
-	Trench	379 Y
	BUTCH	
1	Machine gun	585 M
4	Machine guns	586 D
4	Light AA	586 F
1	Pill box	604 X
-	Trench	604 X
2	Machine guns	604 Y
-	Trench	604 Y-605 R
-	Trench	605 Q-W-X
-	Trench	605 T-606 P-Q-R-N
3	Pill boxes	605 V
5	Machine guns	605 X
-	Trench	605 Y
4	Dual purpose	606 S
5	Machine guns	606 T
3	Machine guns	607 B
-	Trench	607 B-F
-	Trench	607 E
-	Trench	607 E-620 Y

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INSTALLATIONS IN NAMED TARGET AREAS

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No.	Installation	Location
	BUTCH (Cont.)	
2	Unidentified positions	607 N
3	" "	607 R
-	Trench	608 A
4	Heavy AA	608 G
1	Machine gun	608 H
1	Search light	608 I
4	Light AA	608 N
1	Search light	609 A
4	Light AA	609 E
4	Heavy AA	609 G
1	Light AA	609 L
4	Machine guns	609 P
2	Machine guns	609 R
2	Light AA	609 R
2	Machine guns	609 T
5	Light AA	610 H
4	Machine guns	610 K
-	Trench	620 D-I-N-R-S
-	Barbed wire	620 D-I-M-N-R-V
-	Tank trap	620 S-T-Y
-	Trench	621 P-U
-	Ammunition dump	622 R-S-W-X
3	Light AA	622 X
2	Machine guns	634 X
5	Light AA	637 V
	DAVE	
--	--	--
	DICK	
-	Activity	583 L-M
1	Empty revetment	583 R
	FRITZ	
-	Trench	351 D-I
-	Trench	351 I-N
-	Trench	365 O-T
1	Empty revetment	366 B
-	Trench	366 G-H
-	Trench	366 W-X
-	Trench	366 X-Y
	HANK	
1	Pill box	379 D
3	Machine guns	381 U
-	Trench	381 U
-	Underwater obstacle	394 E
-	"	394 J-395 K-P
1	Machine gun	395 A
-	Trench	395 A
-	Trench	395 A-G-L
-	Tank trap	395 A-G-L
1	Pill box	395 G
3	Machine guns	395 G

No.	Installation	Location
	JAKE	
3	Machine gun	564 E
-	Tank trap	564 E-565 A-B
1	Machine gun	564 J
1	Machine gun	565 B
6	Light AA	565 F
4	Machine guns	565 L
6	Light AA	565 Q
-	Tank trap	585 Y
-	Tank trap	586 H-L
2	Unidentified positions	586 K
	JANE	
1	Machine gun	314 E
1	Pill box	314 J
-	Trench	315 E-331 Y
-	Tank trap	315 H-L-M-P
-	Trench	332 V
	JIM	
--	--	--
	JOE	
2	Unidentified positions	557 A
1	Pill box	557 M
-	Trench	557 O-558F-G-B
1	Machine gun	557 O
2	Empty revetments	557 S
1	Search light	557 U
1	Pill box	558 B
-	Tank trap	558 C-H
1	Pill box	558 F
-	Trench	558 G-H-L
1	Unidentified position	558 K
3	Dual purpose	558 P
	JOHN	
-	Observation post	263 I
1	Machine gun	281 A
-	Trench	281 A-F
-	Trench	281 M-S
-	Trench	281 R
-	Trench	298 C-D-H-M
1	Machine gun	298 D
1	Machine gun	298 Q
-	Trench	298 Q-V
-	Trench	299 N-O
-	Trench	299 S-T
-	Trench	299 X
	NED - (Not included on overlay)	
-	Trench	171 D-E
3	Machine guns	171 E
-	Activity	171 I-J-N-O

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INSTALLATIONS IN NAMED TARGET AREAS

No.	Installation	Location
	PAT	
2	Unidentified positions	410 A
-	Underwater obstacles	410 B-C-H
-	Trench	410C-D-I-429 W
2	Unidentified positions	410 J
-	Trench	411 A
5	Light AA	411 E
-	Trench	411 E-430 Y
1	Machine gun	411 G
1	Machine gun	411 I
2	Pill boxes	411 M
-	Trench	411 M-N
2	Pill boxes	411 N
-	Trench	411 N-S
-	Underwater obstacles	411 P-Q-R-W-X
2	Pill boxes	411 T
3	Machine guns	411 Y
-	Trench	412 F
1	Machine gun	412 U
-	Observation post	429 V
-	Trench	429 X
4	Dual purpose	430 Y
	PETE	
1	Pill box	432 N
1	Pill box	432 V
1	Pill box	432 W
1	Pill box	455 B
1	Pill box	455 L
3	Probable Light AA	455 O
1	Pill box	455 V
-	Supply dump	478 Q
3	Light AA	479 F
4	Light AA	504 L
7	Machine guns	530 K
	PUG	
-	Activity	364 B
1	Pill box	364 S
-	Trench	364 S-X
1	Empty revetment	365 F
-	Trench	365 F
-	Trench	365 K
-	Activity	380 V
4	Machine guns	380 Y
-	Trench	380 Y
	RALPH	
2	Pill boxes	580 D
-	Trench	580 E-J
2	Light AA	580 I
1	Pill box	580 J
1	Machine gun	580 O
1	Machine gun	581 F

No.	Installation	Location
	RALPH (Cont.)	
1	Pill box	581 G
1	Machine gun	581 G
2	Pill boxes	581 H
-	Trench	581 H-I
2	Machine guns	581 I
1	Machine gun	581 J
-	Activity	581 Q
2	Machine guns	581 Q
-	Activity	581 R
2	Machine guns	582 A
-	Trench	582 A-B
-	Trench	582 B-C
-	Trench	582 C-H
1	Pill box	601 W
2	Empty revetments	601 Y
-	Trench	602 L
-	Trench	602 P-Q
-	Tank trap	602 Q
	SAL	
-	Former U. S. position	435 S
-	Observation post	435 T
	SARGE	
4	Light AA	450 C
3	Light AA	451 D
1	Light AA	451 G
1	Light AA	451 H
-	Activity	451 H
3	Empty revetments	451 J
1	Light AA	451 K
1	Search light	451 L
1	Light AA	451 M
2	Light AA	451 N
1	Search light	451 O
4	Machine guns	451 S
-	Trench	452 A
4	Heavy AA	452 B
-	Trench	452 C
-	Trench	452 G
4	Heavy AA	472 C
3	Machine guns	472 H
9	Machine guns	472 O
1	Pill box	473 E
8	Machine guns	473 F
2	Machine guns	474 A
-	Trench	474 A
-	Trench	474 B
-	Underwater obstacles	474 E 475 A-B
8	Machine guns	474 P
4	Light AA	474 T
8	Machine guns	474 V
4	Light AA	474 X

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INSTALLATIONS IN NAMED TARGET AREAS

No.	Installation	Location
	SARGE (Cont.)	
2	Light AA	474 X
2	Machine guns	474 Y
4	Dual purpose	496 O
2	Machine gun	496 O
4	Light AA	496 Q
	SID	
1	Light AA	554 G
1	Search light	554 H
1	Probable Coastal Defense	554 I
1	Light AA	554 O
1	Light AA	555 K
	SUE	
-	Trench	331 A-B
-	Trench	331 A-F-K
1	Machine gun	331 B
1	Machine gun	331 L
-	Trench	331 L-M
-	Trench	331 N
-	Trench	331 O-T
-	Trench	331 O-332 P
-	Trench	331 S
	TOM	
1	Search light	634 R
2	Machine guns	634 S
1	Machine gun	637 H
1	Machine gun	651 F
-	Underwater obstacles	651 G-H
2	Machine guns	651 K
-	Trench	651 L-M
1	Pill box	651 M
1	Machine gun	651 N
-	Trench	651 N-O-652 K
1	Machine gun	651 R
-	Trench	652 D-H-L
5	Machine guns	652 E
3	Machine guns	652 E
-	Tank trap	652 I
1	Unidentified position	652 I
2	Light AA	652 O
1	Machine gun	653 A
-	Tank trap	653 C-G
5	Machine guns	653 G
4	Light AA	653 H
-	Trench	665 T-Y
4	Light AA	666 C
-	Activity	666 E
1	Pill box	666 G
-	Trench	666 G-K
-	Trench	666 U
-	Trench	666 V

No.	Installation	Location
	TOM (Cont.)	
-	Trench	681 A-F-K
1	Machine gun	681 B
1	Pill box	681 F
2	Machine guns	681 G
1	Unidentified position	681 K
1	Machine gun	681 K
2	Light AA	681 L
-	Trench	681 R-W
-	Tank trap	681 W
1	Search light	697 H
-	Tank trap	697 R-W
-	Camp area	714 S-T-X-Y
1	Pill box	714 U
-	Activity	715 G

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INSTALLATIONS - ON ROADWAYS BUT NOT IN TARGET AREAS

No.	Installation	Location
-	Trench	351 W
-	Activity	352 A-B-F-G-K-L 367 U-V-P-Q-K-L
-	Activity	434 F
-	Activity	533 S-X
2	Light AA	538 D
4	Light AA	538 I
-	Supply dump	542 B and 569 H-I-L-M-N-O-P-Q-R-S-U-V-W
1	Machine gun	586 J
1	Machine gun	587 H
4	Heavy AA	593 I
4	Machine guns	593 N
1	Search light	614 Q
1	Pill box	638 B
4	Light AA	654 D
5	Machine guns	667 J
4	Light AA	667 T
4	Light AA	683 B
-	Activity	698 E - 699 A
2	Pill boxes	748 C
4	Dual purpose	781 B

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INSTALLATIONS NOT ON OVERLAYS AND NOT IN NAMED TARGET AREAS

No.	Installation	Location
1	Machine gun	101 E
1	Machine gun	104 U
1	Machine gun	104 V
2	Machine guns	127 Y
3	Machine guns	128 U
-	Trench	132 J-O-S
1	Machine gun	132 O
1	Machine gun	132 S
-	Trench	132 O-N-S-X
1	Pill box	133 A
2	Machine guns	135 C
-	Trench	135 C
-	Trench	135 E
-	Trench	135 J
-	Activity	136 F-G
-	Trench	136 Q-R
-	Trench	144 D-E
1	Machine Gun	144 E
-	Observation post	144 K
2	Machine guns	144 O
-	Trench	144 Q-V
-	Trench	155 Y
3	Machine guns	156 M
1	Machine gun	156 N
-	Trench	156 N
-	Trench	156 P-U
-	Trench	157 B-C-G
2	Machine guns	157 G
1	Pill box	157 G
-	Activity	184 L-M-H
1	Pill box	184 M
4	Probable coastal defense	260 A
-	Observation post	260 Y
-	Trench	261 F
-	Trench	261 K-L
3	Machine Guns	261 Q
-	Observation post	278 C
4	Machine guns	278 V
1	Wrecked ship	278 Y
-	Trench	279 G
1	Pill box	279 G
2	Machine guns	279 G
4	Machine guns	279 K
1	Machine gun	296 B
1	Pill box	296 L
1	Pill box	296 Q
4	Machine guns	296 V
-	Trench	296 Q-V - 279 B
2	Pill boxes	329 F
2	Machine guns	329 V
1	Pill box	329 V
-	Trench	329 V
1	Machine gun	345 G
1	Machine gun	345 Q
1	Pill box	345 Q
1	Machine gun	361 D
1	Machine gun	361 I
1	Machine gun	361 R
1	Pill box	376 C
1	Observation post	376 G
1	Machine gun	376 X
1	Machine gun	376 N
-	Trench	376 X - 361 D-I-N
-	Trench	376 S
-	Machine gun	392 R
1	Pill box	392 S
1	Machine gun	392 T
1	Machine gun	392 V
-	Trench	409 P-U
2	Machine gun	409 V
2	Field artillery positions	425 E
1	Machine gun	426 C
2	Dual purpose	426 J
1	Pill box	426 J
1	Radar	426 L
-	Observation post	445 D
1	Machine gun	445 J
1	Machine gun	445 N
-	Trench	445 E - 446 A
1	Machine gun	446 D
1	Pill box	467 B
2	Probable pill box	467 G
1	Pill box	467 H
1	Pill box	467 P
1	Machine gun	469 Q
-	Activity	470 U
2	Machine guns	488 6
-	Activity	618 E
2	Empty or unidentified	632 P
-	Tank trap	656 B-G
4	Probable Light AA	702 F
	Buried fuel dump	731 O
2	Machine guns	794 E
1	Pill box	837 E

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INSTALLATIONS NOT ON OVERLAYS AND NOT IN NAMED TARGET AREAS

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No.	Installations	Location
-	Observation post	839 A
-	Trench	852 A-F-G
3	Pill boxes	852 B
-	Trench	852 Y-853 U
1	Pill box	853 K
-	Trench	853 K-D-Q-R-S-T
3	Pill boxes	867 T
3	Pill boxes	877 A
-	Trench	877 K-P-Q-V-W
2	Machine guns	877 S
1	Pill box	877 X
-	Activity	882 E-883 A-B-F-G
2	Machine guns	885 G
-	Trench	886 U-877 A-B
-	Activity	890 S-T-X-Y-891-P-U-V
-	Trench	899 X-Y-900 U-Q-M
1	Pill box	900 U
2	Machine guns	900 Q

R. L. CONOLLY,
Rear Admiral, U.S.Navy,
Commander Task Force FIFTY-THREE.

DISTRIBUTION:
Same as CTF 53 Operation Plan No. A162-44.
Plus 50 to Staff Air Officer For Air Support Units.
50 to Staff Gunnery Officer For Shore Fire Control Parties.

S. H. HAHN,
Flag Secretary.

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HEADQUARTERS, III AMPHIBIOUS CORPS

PASSWORDS AND COUNTERSIGNS

1. In order to eliminate possible confusion and to facilitate rapid recognition between members of different organizations ashore, the following system of passwords and countersigns will be employed.

2. Three key words are assigned and each word will be used for a period of five (5) days. The password will be changed at 1200 local time on the sixth (6th) day. At the end of the period, the system will be repeated, starting at 1201 local time on the sixteenth (16th) day.

3. The key words are:

a. First day, starting D day through 1200 the sixth (6th) day, the key word will be the months of the year.

b. From 1201, 6th day, through 1200, 11th day, the keyword will be cities of the United States.

c. From 1201, 11th day, through 1200, 16th day, the key word will be States of the United States.

d. From 1201, 16th day, the key word will revert again to months of the year and the system will be followed through as before.

4. In order to eliminate confusion and to have the passwords and countersigns on STEVEDORE conform with those employed throughout the FORAGER operation, the system is recorded chronologically to facilitate adoption of the correct key words on W day and thereafter.

5. The challenge, "Halt, who is there?" will be employed in the system as follows:

15 June - Challenger: "Halt, who is there?"
Answer: "July" (or any other month).
Challenger: "April" (or any other month).
16 June - Same as previous day.
17 June - Same as previous day.
18 June - Same as previous day.
19 June - Same as previous day.
20 June - Up to 1200: Same as previous day.
Starting at 1201:
Challenger: "Halt, who is there?"
Answer: "Memphis" (or any other large city in the U.S.)
Challenger: "Dallas" (or any other large city in the U.S.)
21 June - Challenger: "Halt, who is there?"
Answer: "Chicago" (or any other large city in the U.S.)
Challenger: "Philadelphia" (or any other large city in the U.S.)
22 June - Same as previous day.
23 June - Same as previous day.
24 June - Same as previous day.

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25 June - Up to 1200: Same as previous day.
Starting at 1201:
Challenger: "Halt, who is there?"
Answer: "Alabama" (or any other State of the U.S.)
Challenger: "Missouri" (or any other State of the U.S.)
26 June - Challenger: "Halt, who is there?"
Answer: "Texas" (or any other State of the U.S.)
Challenger: "Iowa" (or any other State of the U.S.)
27 June - Same as previous day.
28 June - Same as previous day.
29 June - Same as previous day.
30 June - Up to 1200: Same as previous day.
Starting at 1201:
Challenger: "Halt, who is there?"
Answer: "June" (or any other month)
Challenger: "May" (or any other month)
1 July - Challenger: "Halt, who is there?"
Answer: "February" (or any other month)
Challenger: "October" (or any other month)
2 July - and thereafter: The system continues until countermanded.

6. All personnel will be warned that in no case will this code be taken ashore. It must be borne in mind that it is only necessary to memorize the key word corresponding to each five-day period.

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Copy No. 546

9 June 1944.

ADDENDA NO. 2 TO ANNEX "B" (INTELLIGENCE PLAN) TO COMMANDER SOUTHERN ATTACK FORCE (CTF 53) OPERATION PLAN NO. A162-44.

Tabulation of new installations found on photographs of 6 June 1944.

NOTE:

The Tanguisson airfield is now 10-20% surfaced and work is continuing on the dispersal areas.

A fourth airfield at Finegayan area approximately 10% surfaced.

Tank trap shown on previous overlay in area JANE (Target Square 315-H-L-A-P) should be removed.

In target area SARGE, square 452 B, there is listed 4 Heavy AA in Addenda #1. This should be changed to 4 Machine guns.

Water obstacles along Dadi Beach now include the entire length of beach and are closed at both ends.

The heavy guns now listed in target areas PAT (411 J) and BUCK (379 Q) are possible 75mm anti-boat guns.

Three of the four positions formerly listed as empty in target area BUCK, areas 346 T, 348 B, 348 D, are now occupied by coastal defense guns.

Two large four-engine bombers at the east end of Orote airfield are dummies.

No.	Installation	Location
	BUCK	
1	Coastal defense	346 T
1	Coastal defense	348 B
1	Coastal defense	348 D
	Trench	362 F
	Trench	362 O-T
	Trench	363 K
	Underwater obstacles	378 Y-362 E-I-N
1	Poss. Anti-boat gun	379 Q
	BUTCH	
3	Heavy AA	605 Y
	JOE	
3	Light AA	556 T
3 or 4	Machine guns (formerly listed as 2 empty)	557 S
4	Heavy AA	557 F-A
	PAT	
1	Poss Anti-boat gun	411 J
	Continuous underwater obstacles	410 N-394-P
	Tank trap	410 D
1	Machine gun	429 V
	Trench	429 Y

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No.	Installation	Location
	PETE	
	Activity	529 J
	RALPH	
1	Pill box	580 J
2	Pill boxes	580 O
	Underwater obstacles	580 E
1	Pill box	580 R
1	Pill box	580 V
	Possible dummies Twin 8" Coastal Defense	580 D
	SARGE	
3	Machine guns	473 M
3	Heavy AA	451 J
4	Light AA	451 O
	Trench	475 Q
	SID	
3	Dual purpose	554 M
	SUE	
1	Pill box	331 P
Outside of Target areas:	4 Heavy AA	718 Q

R. L. CONOLLY,
Rear Admiral, U.S. Navy,
Commander Task Force FIFTY-THREE.

DISTRIBUTION:
Same as CTF 53 Operation Plan No. A162-44.
Plus 50 to Staff Air Officer For Air Support Units.
50 to Staff Gunnery Officer for Shore Fire Control Parties.

S. H. HAHN,
Flag Secretary.

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ADDENDA "3" TO ANNEX "B"
To: Commander Task Force 53
OPERATION PLAN A162-44

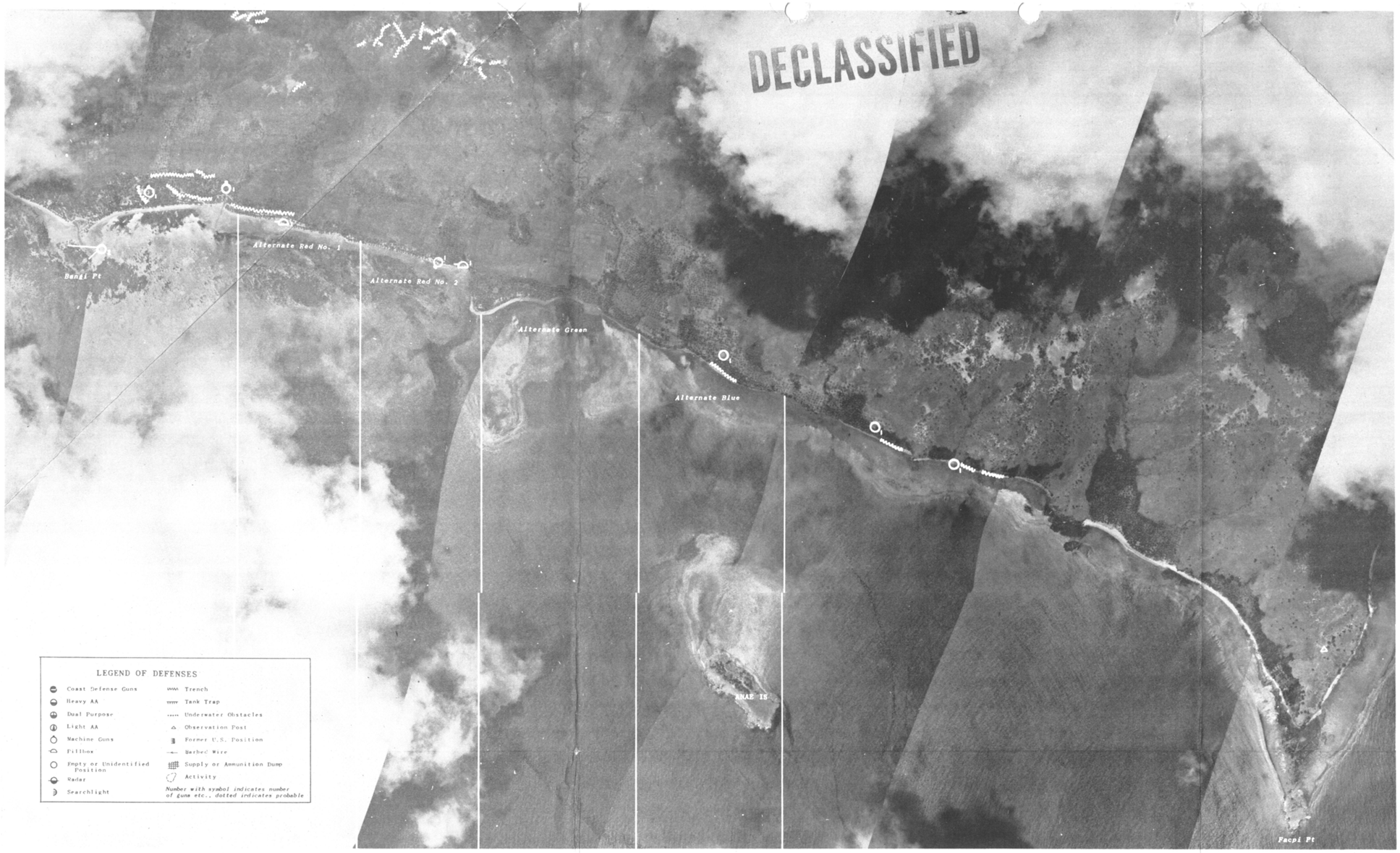
BEACH STUDY FOR ALTERNATE ATTACK PLAN A167-44

Based on Submarine Reconnaissance 29 April, Aerial Photographs of 25 April, 7 May, 29 May and 6 June 1944

(Cloud Coverage on all Aerial Sorties renders Interpretation incomplete)

FOR DEFENSES SEE: ADDENDA No. 1 & No. 2 TO ANNEX "B"

SECRET
(Change to Restricted in Combat Area)

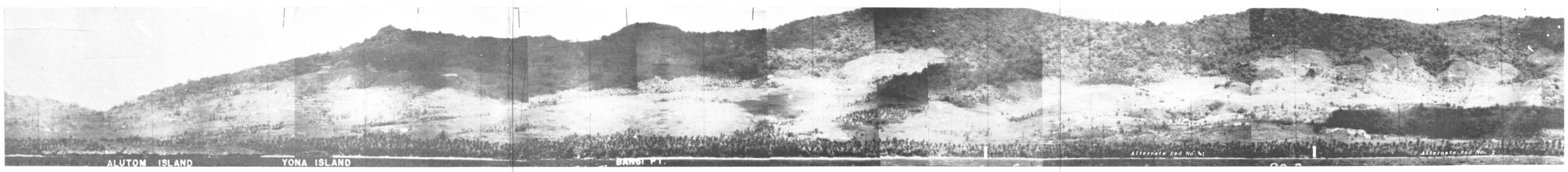


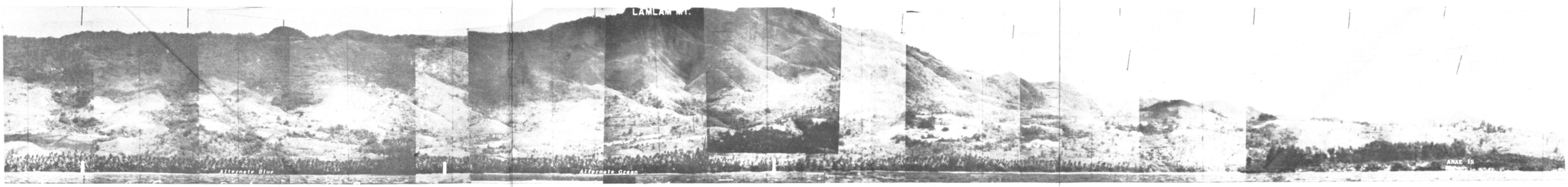
LEGEND OF DEFENSES

Coast Defense Guns	Trench
Heavy AA	Tank Trap
Dual Purpose	Underwater Obstacles
Light AA	Observation Post
Machine Guns	Former U.S. Position
Pillbox	Barbed Wire
Empty or Unidentified Position	Supply or Ammunition Dump
Radar	Activity
Searchlight	Number with symbol indicates number of guns etc., dotted indicates probable

ALTERNATE NORTHERN ATTACK AREA

1. LOCATION:
   a) Grid Coordinates: FP 781045 to 775025.
2. LANDMARKS:
   a) From Air: Alutom and Anae Islands.
   b) From Sea: On the left, Alutom Island; in center background, Alifan-Lamlam range; and on the right, Facpi Point.
3. DESCRIPTION OF REEF:
   a) Reef-Margin: The reef-face varies in width from 15 to 60 yds and generally has a normal 30-degree inclination, but in several places is quite steep or overhung. There is a shallow opening at coordinates FP 77 3037 (314-G) narrowing from 70 yds in width at its mouth to 30 yds at its head over a total length of 350 yds. At coordinates FP 774034 (314-M-R) there is a channel 250 yds wide at its mouth narrowing to 120 yds in its 230-yd length. Its head is partially blocked by five large coral pinnacles. 850 yds off the reef-edge is Anae Island, which is 350 yds long and 75 yds wide.
   b) Reef-Flat: Ranging in width between 900 yds off the north end of the beach to 450 off the center to 150 off the south end, this surface has a very narrow boulder zone and is partially bare or covered with sand, silt, and grass. The four small streams in the area discharge silt in a thin belt along the shoreline or as miniature deltas at their mouths.
4. DESCRIPTION OF BEACH: With overall length of 2850 yds and an average width of 10 yds, this coral sand beach has an estimated 1:20 gradient and appears relatively free of obstructions.
5. PHYSIOGRAPHY:
   a) Provinces: The area may be roughly divided into the Coastal Plain, the Foot-Hills, and the Mountains.
   b) Coastal Plain: This relatively level plain 120 to 550 yds in width is covered with fine-textured clayey and silty soils. A narrow, almost continuous grove of coconut trees and semi-dense underbrush grows along the beach. Most of the rest of the Plain is given over to the cultivation of rice-fields. Due to a complete lack of roads, movement inland would be hampered by the mud of irrigated paddies, while laterally northward it might be more rapid along the beach proper. At the southern end of the beach, the Plain merges into the rugged shoreline typical of Facpi Point and vicinity. Observation is almost unlimited when inland of the groves as well as from small, local hills. Good concealment is chiefly offered within the groves; while only shallow stream-beds and the few irrigation ditches furnish any suitable cover.
   c) Foot-Hills: This 1000- to 1500-yd strip between the 50- and 400-ft contour lines of gently rolling terrain is covered with stream-laid gravels and other coarse-textured soils, which in places are barren and elsewhere typically support much sword-, cogon-, and short bunch-grass, and sparse scrub-growth. Inland and lateral movement impeded by hilly nature of terrain; practically unlimited observation is afforded over the Coastal Plain; some slight cover may be found behind rock outcrops and in stream-beds; and, because of the general grassy character of the vegetation, very little concealment is furnished except under a few, scattered trees.
   d) Mountains: This rugged country, rising fairly sharply from 400 ft to the 874-ft summit of Mt. Alifan and the 1000-ft high crater of Mt. Lamlam is heavily forested down to about the 600-ft line in dense, tropical growth and large trees. It is comparatively easy to traverse the grassy slopes of this Alifan-Lamlam range, but only slow and laborious progress can be made across the peaks and their connecting ridge.





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ADDENDA NO. 4 TO ANNEX "B" (INTELLIGENCE PLAN) TO COMMANDER SOUTHERN ATTACK FORCE (CTF 53) OPERATION PLAN NO. A162-44.

CONTENTS

1. Comments on Enemy Capabilities and Defenses.
2. Tabulation of Defenses, Guam - Based on Photographic Sorties of June 30, 1944 and prior.
3. Climate and Meteorology - Guam - July and August.
4. Tide Tables - Guam - August 1944.
5. Light and Dark Tables - Guam - August 1944.
6. Marine Sign and Countersign.
7. Defense Chart - Guam - 3 Sheets of 6 - Based on Photographic Sorties of June 30, 1944 and prior.

The defense tabulations set forth herein supersede and combine all previously issued tabulations and include new installations up to and including June 30, 1944.

The defense charts likewise include all information available up to and including June 30, 1944. Three sheets of six are issued herewith. The remaining three sheets will be issued if required.

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[redacted]

I - COMMENTS ON ENEMY CAPABILITIES AND DEFENSES

1. GENERAL.

The enemy will probably defend Guam to the utmost of his ability, short of risking again his major fleet units so far from adequate land-based air protection.

2. AIR FORCES.

Despite his recent high plane losses, he will conduct searches and attempt to oppose us with planes from Truk, Woleai, Palau, Yap and the Bonins. Additional aircraft will be available to these bases from the Empire, and possibly continental Asia, by way of the Bonins and/or the Philippines. It is doubtful that his carriers will be used to any great extent except as plane ferries from the Empire to these two staging areas. Regular Blue air strikes and naval bombardment should neutralize the fields at Tinian, Rota, Pagan and perhaps the Bonins, leaving the Philippines-Palau-Yap route as more practicable.

3. SURFACE FORCES.

The enemy's failure to engage major Blue surface forces on 19-20 June suggests that his large fleet units will probably be held in the Empire and the Philippines. He has lost 17 warships sunk or probably sunk, 23 damaged, from 9 June through 8 July. His recent shipping activity indicates that he may employ light cruisers, destroyers and smaller escort vessels as protection for fast convoys, and thus attempt to maintain a shuttle service from the Empire to the Philippines and the Bonins. In this case, our blockade and his recent ship losses (50 merchant vessels sunk, 42 damaged, in one month) would require exclusive use of planes and submarines for transport and supply to Guam itself and other forward bases in this area, if attempted at all.

4. SUBMARINES.

Enemy submarines, based at Palau and Truk and in the Empire, will perform reconnaissance, as well as logistic missions, but many aggressive attacks are not to be expected on the basis of recent performance. Due to the difficulty of maintaining transport and supply service to a beleagured island, the enemy may use such special unloading equipment as submarine "cargo tubes" and low barges. The enemy has lost 4 submarines known sunk, 2 probably sunk, in the past month.

5. LOCAL DEFENSES.

The delay in our attack on Guam has afforded the enemy sufficient time to strengthen his defenses, particularly on the beaches. The benefits to him of this delay will be offset somewhat, however, by the consequently greater amount of bombardment and bombing to which he will be subjected and by the availability to us during our attack of planes based at Saipan.

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a. Ground Forces.

CINCPAC on 6 July estimates that 20,000 Army and 4-5,000 Navy and Construction personnel are on Guam. It is not anticipated that the enemy will be able to add materially to his present garrison before we attack.

In addition to the facilities listed below, the enemy is expected to make extensive use of mobile artillery, particularly tanks and mortars, The impossibility of locating this type of equipment through photo-interpretation must be borne in mind.

b. Facilities and Installations.

There has been no substantial increase in defense installations except for reef obstacles since 29 May, the date of the last defense overlay.

Reef obstacles appear to consist of log booms, log cribs approximately 4' x 6' filled with coral, wire entanglements on steel uprights, and possibly coral-filled oil drums.

Mines are probably present on the reefs. The most likely locations are near the reef obstacles.

There appears to be little if any steel and concrete defense construction. Coconut logs are being used extensively.

A Japanese map of Guam, captured on Saipan, indicates naval gun positions as of the end of May 1944. These are incorporated in the defense tabulation and map whether verified by photo-interpretation or not. Where a discrepancy exists between the captured map and photo-interpretation, a footnote to that effect appears in the tabulation. Where not verified by photo interpretation, the location of these guns is necessarily not definite and this is indicated in the tabulation by a footnote and on the map by the notation "Jap doc".

A Chamorran captured on Saipan, who had been in Guam in early June 1944, reported seeing "some 16-18" steel cylinders upright in the sea, 100-150 metres off the reef, running generally ENE opposite the Luminao Reef to Asan Point shoreline. These may be channel markers."

There has been little progress toward completion of the two new airstrips; only those at Orote and Agana are operational.

There is considerably increased activity along the east coast of the island, principally at Ylig Bay, Talofofo Bay and Port Inarajan.

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c. Miscellaneous.

The submarine "cargo-tubes" mentioned above are tubes (propelled by compressed air) having a coxswain and with a radius of about 6 miles. They resemble the "human torpedoes" once used by the Italian Navy. The tubes are secured to the submarine's superstructure during the voyage, and are released at night, fully loaded, a mile or so from the beach; the only part of them above the surface of the water is the low cockpit. Each tube has a capacity of 20 metric tons; 2 of them can unload in one trip a submarine's total cargo. They were used with complete success at Guadalcanal.

R. L. CONOLLY,
Rear Admiral, U.S. Navy,
Commander Task Force FIFTY-THREE.

DISTRIBUTION:
Same as CTF 53 Operation Plan No. A162-44.

S. H. HAHN,
Flag Secretary.

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INSTALLATIONS IN TARGET AREAS

No.	Installation	Location
	ANN	
--	--	
	BERT	
2	Pill boxes	558 E
-	Tank trap	558 D
-	Trench	558 I
-	Underwater obstacles	579 X,Y
2	Machine guns	580 V
	BILL	
4	Light AA	563 G
1	Empty or Unident. Pos.	585 K
2	Empty or Unident. Pos.	585 L
	BOB	
2	Possible Light AA	583 J
3	Possible pill boxes	583 N
7	Machine guns	584 B
3	Empty or Unident. Pos.	584 E,J
3	Field Arty Positions	584 G
2	Machine guns	584 I
-	Trenches	584 C,D
2	Machine guns	584 I
1	Empty or Unident. Pos.	584 I
1	Covered Arty Position	585 A
2	Light AA	602 N
1	Pill box	602 S
4	Dual purpose	602 Y
-	Tank trap	602 T,Y
-	Stone wall around cemetery	602 X
1	Pill box	603 L
-	Trench	603 L,M
1	Possible Light AA	603 Q
1	Machine Gun & Tower	603 R
1	Pill box plus 7 Mach.Gun	603 S
-	Trench	603 S,T
4	Machine guns plus trench	603 Y-604 U5
-	Tank trap	604 U
2	Light AA	604 V
-	Underwater obstacles	603 K-G-L-M 604 G,H,I-R
	BUCK	
*2	Light AA	346 Y
-	Trench	347 C,D

No.	Installation	Location
	BUCK (Cont.)	
-	Trench	347 D
-	Trench	347 H
1	Pill box	347 L
6	Machine guns	347 L
-	Trench	347 P,Q
-	Trench	347 Q,R
1	Pill box	362 O
-	Trench	362 S
	Trenches	362 T
-	Trench	362 X
2	Pill boxes	362 X
1	Pill box	363 B
-	Trench	363 B,F
-	Trench	363 C,H
2	Dual purpose	363 L
-	Tank trap	363 K
-	Trench	363 P,U
5	Machine guns	363 Q
-	Trench	363 R
4	Machine guns & trench along road	364 A
3	Coastal defense	363 W
1	Pill box	379 C
	Barbed Wire	379 F,K
	" "	379 L,P,U-363 A, F-362 J,O,S,R,W, V, 347 B,F,K 346T
-	Trench	379 C,H
1	Pill box	379 H
1	Pill box	379 L
2	Machine guns	379 M
1	Anti boat gun-3"	379 Q
-	Trench	379 Q,V
-	Trench	379 R,W
-	Trench	379 R,S
	Machine guns	379 T
1	Pill box	379 X
-	Trench	379 Y
-	Trench	379 Y-380 U-364 A
2	Machine guns	380 Q
	Underwater obstacles	395 V-379B-F-K-P- 378 Y -362E-J-N
	Underwater obstacles	362 R-V

*Captured Jap document indicates these are 2 short 20cm guns

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INSTALLATIONS IN TARGET AREAS

No.	Installation	Location
	BUTCH	
	Poss. Radio Station	585 E
1	Machine gun	585 M
4	Machine guns	586 D
3	Empty or unident. pos.	586 F
1	Pill box	604 X
2	Machine guns	604 Y
3	Pill boxes	605 V
-	Trench	605 W,X
5	Machine guns	605 X
3	Heavy AA	605 Y
-	Trenches	605 Y
-	Tank trap	605 X,T
-	Tank trap	605 W-586 C
4	Dual Purpose	606 T
3	Machine guns	607 B
-	Trenches	607 B,F
-	Trenches	607 E-620 Y
-	Trenches	604 X,Y-605 P,Q,W,X,T
2	Empty or Unident. Pos.	607 N
4	Light AA	607 P
-	Trench	608 A
4	Empty or Unident. Pos.	608 L
3	Empty or Unident. Pos.	608 M
4	Empty or Unident. Pos.	608 Ø
3	Light AA	608 N
5	Light AA	608 V
1	Search light	609 A
4	Light AA	609 E
3	Empty or Unident. Pos.	609 G
6	Light AA	609 M-I
4	Machine Guns	609 P
2	Machine Guns	609 R
3	Empty or Unident. Pos.	609 R-S
2	Machine guns	609 T
5	Light AA	610 H
4	Light AA	610 K
4	Machine guns	610 K
-	Trenches	620 D,I,N,R,S,W
-	Trench	620 S
-	Tank trap	620 S,T
-	Trenches	620 Y
	Barbed Wire	620 D,I,M,N,R,V
-	Trench	621 P,U
	Ammunition Dump	622 V,W
3	Machine guns	634 X
5	Light AA	637 V

No.	Installation	Location
	BUTCH (Cont.)	
	Underwater obstacles	605 N
	" "	605 Q-R,S,T
	" "	620 Q
	" "	620 R
	DAVE	
--	--	
	DICK	
-	Activity	583 L,M
-	Trenches	583 R,S
3	Machine guns	583 R
	FRITZ	
-	Trench	351 B
-	Trench	351 C
-	Trench	351 D-I
-	Trench	351 I-N
-	Trench	365 Ø-T
1	Empty revetment	365 D
-	Trench	365 D
-	Trench	365 D
1	Empty revetment	366 B
-	Trench	366 G-H
3	Empty Field Arty Pos	366 R
-	Trench	366 W-X
-	Trench	366 X-Y
3	Empty revetments	366 X
	HANK	
1	Pill box	379 D
-	Trenches	380 E
1	Machine gun	395 A
-	Trench	395 A-G-L
-	Trench	395 B-G
1	Pill box	395 Q
3	Machine guns	395 Q
	Strong point under Cons	396 Ø
-	Trenches	397 P
	Underwater obstacles	394 E
	Underwater obstacles	394 J-395 K-P
	JAKE	
3	Machine guns	564 E
-	Tank trap	564 E- 565 A,B
1	Machine gun	564 J
1	Machine gun	565 B
6	Light AA	565 F
4	Machine guns	565 L
6	Light AA	565 Q
-	Tank trap	585 Y
2	Empty or Unident. Pos.	586 K

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INSTALLATIONS IN TARGET AREAS

No.	Installation	Location
	JIM	
1	Machine gun	583 W
	JOE	
3	Light AA	556 T
2	Light AA	556 Y
2	Light AA	556 Y
1	Pill box	557 M
-	Trenches	557-Ø, 558 F, G, B
1	Machine gun	557 Ø
1	Possible Light AA	557 R
3	Light AA	557 W
	Barbed wire	557 I,J,M,N
1	Pill box	558 B
1	Covered Arty position	558 F
	Covered stores	558 G
1	Pill box	558 K
4	Light AA	558 L
3	Light AA	558 L
3	Coastal Defense	558 P
	Underwater obstacles	558 A, B
	JOHN	
-	Observation Post	263 I
*2	(Short 20cm guns) CD guns	263
1	Machine gun	281 A
-	Trench	281 A-F
-	Trench	298 C-H-M
1	Machine gun	298 D
	Strong Point under Cons.	298 I-N
1	Machine gun	298 Q
-	Trench	298 Q-V
	PAT	
-	Trench	410 C-D-I-429 W
-	Tank trap	410 D
2	3" Anti-boat guns	410 J
-	Trench	411 A
5	Light AA	411 E
1	Machine gun	411 G
-	Trench	411 I
1	Machine Gun	411 I
2	Pill boxes	411 M
	PAT (Cont.)	
-	Trench	411 M-N
2	Pill boxes	411 N
-	Trench	411 S
-	Trench	411 T
2	Pill boxes	411 T
-	Trench	411 Y
3	Machine guns	411 Y
1	Machine gun	412 U
1	Machine gun	429 U
1	Unidentified pos.	429 U
1	Machine gun	429 V
-	Trench	429 X
-	Trenches	429 Y
-	Trench	430 V
4	Dual purpose	430 Y
	Underwater obstacles	410 B-H
	Underwater obstacles	410 N-O-411 K-L-Q-R-X
	PETE	
1	Pill box	432 N
1	Pill box	432 V
1	Pill box	432 W
-	Trench	433 L
1	Pill box	455 B
1	Pill box	455 L
1	Pill box	455 V
	Supply dump	478 Q
3	Light AA	479 A
	Strong point (4 light AA and excavations)	504 K,L
6	Light AA	530 P
6	Heavy AA	530 U
	PUG	
-	Trench	316 B-C
	Activity	364 B
1	Pill box	364 S
-	Trench	364 S-X
	Activity	380 V
	RALPH	
**2	Light AA	580 I

*Taken from captured Jap Document, showing Naval installations through May 1944, not confirmed by Photo Interpretation, position approximate.

**Captured Jap Document indicates these are 2 short 20cm guns.(CD guns)

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INSTALLATIONS IN TARGET AREAS

No.	Installation	Location
	RALPH (Cont)	
2	Pill boxes and trench	580 D
-	Trench	580 E,J
-	Trench	580 J
1	Pill box and trench	580 J
1	Machine gun and trench	580 Ø
1	Possible Light AA	580 R
1	Machine gun	581 F
1	Pill box	581 G
1	Machine gun	581 G
2	Pill boxes	581 H
-	Trench	581 H-I
-	Trench	581 I
2	Machine guns	581 I
1	Pill box	581 L
1	Machine gun	581 J
-	Activity	581 Q
2	Machine guns	581 Q
-	Activity	581 R
2	Machine guns	582 A
-	Trench	582 A,B
-	Trench	582 B,C
-	Trench	582 C,D,H
5	Possible Pill boxes	583 F
1	Pill box	601 W
3	Coastal defense	601 Y
-	Trenches	602 L
1	Covered Arty position	602 M
-	Trench	602 P,Q
	Underground storage	602 P
-	Tank trap	602 Q
3	Unident. installations	602 Q
	Ammunition dump	602 U
	Activity	602 U,V
	Underwater obstacles	600 X
	" "	600 X, 580 E
	" "	581 A,B,F,G-H-I-E
	" "	601-Ø,602 K-L-M,N
	SAL	
	Observation Post	435 T
	SARGE	
	Gun tower (40 mm)	429 B
5	Light AA	450 C
3	Light AA	451 D
3	Machine guns	451 G
2	Heavy AA	451 I

No.	Installation	Location
	SARGE (Cont.)	
1	Empty revetment	451 J
4	Light AA	451 L
4	Heavy AA	451 Ø
2	Machine guns	451 Ø
-	Trench	452 A
-	Trench	452 B
4	Machine guns	452 F
3	Machine guns	452 F
4	Machine guns	452 K
7	Light AA	472 C
8	Machine guns	472 Ø
1	Pill box	473 E
8	Machine guns	473 F
5	Machine guns	473 M
2	Machine guns	474 A
-	Trench	473 E-474 A
-	Trench	474 I
8	Machine guns	474 P
2	Machine guns	474 R
11	Machine guns	474 T
8	Machine guns	474 V
4	Light AA	474 X
-	Trench	474 Y
2	Radio towers	474 Y
-	Trench	475 Q
4	Dual purpose	496 Ø
2	Machine guns	496 Ø
	Empty revetment	496 Q
4	Machine guns	497 P
	Underwater obstacles	474 E-475 A-B
	SID	
3	Light AA	554 M
	Sunken ship	554 V
	SUE	
	Barbed wire	346 Y, 330 E,J,O,S, X
-	Trench	331 A,F,G
-	Trench	331 A, F
1	Machine gun	331 B
1	Empty or Unident. Pos.	331 I
1	Machine Gun	331 L
-	Trench	331 L, M
-	Trench	331 Ø, T
-	Trench	331 Ø, 332P
1	Pill box	331 P
-	Trench	331 S
-	Trench	332 Q

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INSTALLATIONS IN TARGET AREAS

No.	TOM	Installations	Location
*1		Search light	634 R
2		Machine guns	634 S
1		Machine gun	637 H
1		Machine gun	651 F
2		Machine guns	651 K
-		Trench	651 L, M
1		Pill box	651 M
1		Machine gun	651 N
-		Trench	651 N,O-652 K
1		Machine gun	651 R
-		Trench	652 D,H.L
5		Machine guns	652 E
3		Machine guns	652 E
-		Tank trap	652 I
1		Empty or Unident. Pos.	652 I
2		Light AA	652 Ø
1		Machine gun	653 A
-		Tank trap	653 C,G
5		Machine guns	653 G
4		Light AA	653 H
-		Trench	665 T,Y
4		Light AA	666 C
-		Activity	666 E
1		Pill box	666 G
-		Trench	666 G, K
-		Trench	666 U
-		Trench	666 V
-		Trench	681 A,F,K
1		Machine gun	681 B
1		Pill box	681 F
2		Machine guns	681 G
**1		Empty or Unident. Pos.	681 K
2		Machine guns	681 K
2		Light AA	681 L
-		Trench	681 R, W
-		Tank trap	681 W
1		Search light	697 H
-		Tank trap	697 R, W
-		Camp area	714 S, T, X, Y
1		Pill box	714 U
-		Activity	715 G
		Underwater obstacles	6[illegible] H

No.	Installation	Location
	JANE	
1	Machine gun	314 E
1	3" Anti-boat gun	314 I
1	Pill box	314 J
-	Trench	314 N-O
-	Trench	315 D
-	Trench	315 D-E
-	Strong point under Cons.	315 F
-	Trenches	315 I
-	Trench	332 U-V

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* Captured Jap document indicates there are 2 12cm high angle guns located here.
** Captured Jap document indicates there are 2 short 20cm guns located here.

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INSTALLATIONS NOT IN TARGET AREAS

No.	Installation	Location
1	Machine gun	101 E
1	Machine gun	104 U
1	Machine gun	104 V
2	Machine guns	127 Y
3	Machine guns	128 U
-	Trench	132 J-Ø-S
1	Machine gun	132 Ø
1	Machine gun	132 S
-	Trench	132 O-N-S-X
1	Pill box	133 A
2	Machine guns	135 C
-	Trench	135 C
-	Trench	135 E
-	Trench	135 J
*2	Coastal Defense(Short 20cm)	136 A
-	Activity	136 F-G
-	Trench	136 Q-R
*3	Coastal Defense (15 Cm)	140
*2	Coastal Defense (Short 20cm)	143
-	Trench	144 D-E
1	Machine gun	144 E
-	Observation post	144 K
2	Machine guns	144 Ø
-	Trench	144 Q-V
-	Trench	155 Y
3	Machine guns	156 M
1	Machine gun	156 N
-	Trench	156 N
-	Trench	156 P-U
-	Trench	157 B-C-G
2	Machine guns	157 G
1	Pill box	157 G
-	Trench	171 D-E
-	Activity	171 I-J-N-O
-	Activity	184 L-M-H
1	Pill box	184 M
4	Prob. Coastal defense	260 A
-	Observation post	260 Y
-	Trench	261 F
-	Trench	261 K-L
3	Machine guns	261 Q
-	Observation post	278 C
4	Machine guns	278 V
1	Wrecked ship	278 Y
-	Trench	279 G
1	Pill box	279 G
2	Machine guns	279 G
4	Machine guns	279 K

No.	Installation	Location
1	Machine gun	296 B
1	Pill box	296 L
1	Pill box	296 Q
4	Machine guns	296 V
-	Trench	296 Q-V -279 B
2	Pill boxes	329 F
2	Machine guns	329 V
1	Pill box	329 V
-	Trench	329 V
1	Machine gun	345 G
1	Machine gun	345 Q
1	Pill box	345 Q
-	Trench	351 W
-	Activity	352 A-B-F-G-K-L-367 U-V-P-Q-K-L
1	Machine gun	361 D
1	Machine gun	361 I
1	Machine gun	361 R
1	Pill box	376 C
1	Observation post	376 G
1	Machine gun	376 X
1	Machine gun	376 N
-	Trench	376 X - 361 D-I-N
-	Trench	376 S
4	Machine gun, trench, 3 Mach gun	381 J
-	Trench	381 N
-	Trench	382 F
1	Machine gun	392 R
1	Pill box	392 S
1	Machine gun	392 T
1	Machine gun	392 V
-	Trench	409 P-U
2	Machine gun	409 V
2	Field Arty positions	425 E
1	Machine gun	426 C
2	Dual purpose	426 J
1	Pill box	426 J
1	Radar	426 L
-	Activity	434 F
-	Observation post	445 D
1	Machine gun	445 J
1	Machine gun	445 N
-	Trench	445 E - 446 A
1	Machine gun	446 D
3	Light AA	455 Ø
1	Pill box	467 B
1	Probable pill box	467 G
1	Pill box	467 H

*Taken from captured Jap Document, showing Naval installations through May 1944, not confirmed by photo interpretation, position approximate.

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INSTALLATIONS NOT IN TARGET AREA

No.	Installation	Location
1	Pill box	467 P
1	Machine gun	469 Q
-	Activity	470 U
2	Machine guns	488 Ø
-	Activity	533 S-X
2	Light AA	538 D
4	Light AA	538 I
-	Supply dump	542 B and 569 H-I-L-M-N-O-P-Q-R-S-U-V-W
1	Machine gun	586 J
1	Machine gun	587 H
4	Heavy AA	593 I
1	Search light	614 Q
-	Activity	618 E
2	Empty or unident. pos.	632 P
1	Pill box	638 B
4	Light AA	654 D
-	Tank trap	656 B-G
5	Machine guns	667 J
4	Light AA	667 T
4	Light AA	683 B
-	Activity	698 E-699 A
4	Probable Light AA	702 F
4	Heavy AA	718 Q
	Buried fuel dump	731 Ø
2	Pill boxes	748 C
6	Dual purpose	781 B
2	Machine guns	794 E
1	Pill box	837 E
-	Observation post	839 A
-	Trench	852 A-F-G
3	Pill boxes	852 B
-	Trench	852 Y - 853 U
1	Pill box	853 K
-	Trench	853 K-D-Q-R-S-T
3	Pill boxes	867 T
3	Pill boxes	877 A
-	Trench	877 K-P-Q-V-W
2	Machine guns	877 S
1	Pill box	877 X
-	Activity	882 E-883 A-B-F-G
2	Machine guns	885 G
-	Trench	886 U-877 A-B
-	Activity	890 S-T-X-Y-891-P-U-V
-	Trench	899 X-Y-900 U-Q-M
1	Pill box	900 U

No.	Installation	Location
2	Machine guns	900 Q
3	Machine guns	171 E
	Underwater Obstacles	122 C,D
	Log Fence Boat Barrier	133 B-144 V
	" " " "	144 E
	" " " "	157 G
	" " " "	185 I,N,O
	" " " "	171 C, I
	" " " "	146 P,Q,V
	" " " "	136 R
	" " " "	117 B,H-I,J
	" " " "	118 F,K,L-R,S,X
	" " " "	119 V, W
	Cribs	110 D
	Horned Scullys	261 A,B,G
	Log Fence Boat Barriers	329 B,G,F
	" " " "	345 R,V,W
	" " " "	345 C,H,M
	" " " "	361 E,J,O

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CLIMATE & METEOROLOGY, GUAM
JULY & AUGUST 1944

Weather conditions at Guam in the latter part of July and August can be expected to be less favorable for military operations than in June. 30% to 70% cloud cover will occur two-thirds of the time and 80% to 100% will occur the remaining third. Rainfall will increase, averaging 13 to 18 inches per month as against 6 inches in June. Precipitation will occur 25 days per month.

The NE trade winds which prevail in June will be less predominant in July and August. Winds from easterly points will blow approximately 60% of the time as against 80% in June. The velocity is not materially different from June except during rain squalls in which it can rise to 30 knots. There will be an increasing occurrence of westerly winds due to the arrival of the monsoon season. Westerlies can be expected approximately 17% of the time, while north and south winds and calm account for the remaining 23%. The possibility of a typhoon passing near enough to produce detrimental winds is slight.

The occurrence of waves and swells detrimental to the operation of landing craft on the western beaches will increase in proportion to the increase in westerly winds. Typhoons will also increase the swell on the beaches, to an extend depending on the characteristics of the disturbance and its distance from Guam.

The mean temperature is not appreciably different from June, but the humidity is 7% higher in July, 10% higher in August.

Visibility will be less on account of the increased cloud cover and more frequent rain showers.

EFFECT OF WEATHER ON:

Surface Operations:

While the weather in late July and August averages less favorably for landing operations than in June, conditions will still be generally satisfactory.

Air Operations:

Increased cloud cover, shower activity and turbulence, will make flying conditions less favorable than in June.

Ground Operations:

Other than poorer general conditions due to increased precipitation, there is no material change.

Laying of Smoke: No change from June.

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Becomes restricted in Combat Zone.

TIDE PREDICTIONS

GUAM (Port Apra)

Lat. 13° 26' N. Long. 144° 40' E.

August - 1944

Calculated in -10 or KING zone time from U. S. Data

	High Water				Low Water				
DATE 1944	HIGH -10Z	FEET PLUS	HIGH -10Z	FEET PLUS	LOW -10Z	FEET PLUS	LOW -10Z	FEET PLUS	MOON PHASE
August									
1	0344	2.6	1901	2.5	1126	0.2	2331	1.8	
2	0430	2.6	1947	2.6	1208	0.1	- -	- -	
3	0518	2.7	2027	2.7	0029	1.8	1254	0.0	
4	0611	2.8	2104	2.8	0120	1.8	1338	-0.1	
5	0704	2.8	2140	2.9	0208	1.7	1422	-0.1	Full
6	0758	2.8	2216	2.8	0255	1.6	1507	0.0	
7	0855	2.7	2250	2.8	0342	1.5	1552	0.2	
8	0955	2.6	2326	2.7	0432	1.3	1636	0.4	
9	1102	2.5	- -	- -	0526	1.1	1723	0.6	
10	0002	2.7	1218	2.3	0623	0.9	1813	0.9	
11	0040	2.6	1347	2.2	0727	0.7	1906	1.2	Last Qtr.
12	0122	2.6	1527	2.2	0835	0.5	2007	1.4	
13	0209	2.6	1705	2.2	0941	0.3	2125	1.6	
14	0255	2.6	1819	2.4	1041	0.2	2242	1.7	
15	0349	2.5	1915	2.5	1136	0.1	2351	1.7	
16	0442	2.5	1957	2.6	1221	0.0	- -	- -	
17	0533	2.5	2033	2.6	0049	1.7	1304	0.0	
18	0622	2.5	2101	2.6	0140	1.6	1342	0.1	
19	0708	2.4	2129	2.6	0222	1.5	1417	0.2	New Moon
20	0751	2.4	2153	2.6	0304	1.4	1448	0.3	
21	0831	2.3	2220	2.6	0340	1.3	1518	0.4	
22	0915	2.2	2243	2.5	0417	1.2	1546	0.5	
23	1003	2.1	2306	2.5	0453	1.1	1616	0.7	
24	1059	2.0	2331	2.4	0532	1.0	1648	0.8	
25	1202	1.9	0000	2.4	0620	0.9	1724	1.0	
26	1325	1.9	- -	- -	0708	0.8	1806	1.3	
27	0033	2.4	1517	2.0	0805	0.6	1914	1.4	1st Qtr.
28	0117	2.4	1650	2.1	0903	0.4	2047	1.6	
29	0212	2.4	1754	2.3	1004	0.3	2218	1.7	
30	0310	2.4	1838	2.5	1057	0.2	2321	1.7	
31	0413	2.5	1918	2.6	1146	0.0			

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Daylight and Dark Table

GUAM

Lat. 13° 26' N. Long. 144° 40' E.

This table is calculated in -10 or KING zone time.

Aug. 1944	Morn. Twil't	Sunrise	Sunset	Eve. Twil't	Dark Per. Hr.	Min.	Moon Rise	Moon Set	Moon Phase
1	0449	0606	1849	2005	8	44	1541	0232	
2	0449	0606	1848	2005	8	44	1640	0327	
3	0449	0606	1848	2004	8	45	1739	0425	
4	0450	0606	1847	2004	8	46	1838	0527	
5	0450	0606	1847	2003	8	47	1937	0630	Full
6	0450	0606	1846	2002	8	48	2026	0732	
7	0451	0606	1846	2001	8	50	2116	0833	
8	0451	0606	1846	2001	8	50	2203	0933	
9	0452	0607	1845	2000	8	52	2250	1031	
10	0452	0607	1844	2000	8	52	2336	1127	
11	0452	0607	1843	1959	8	53	- -	1222	Last Qtr.
12	0452	0608	1843	1959	8	53	0022	1318	
13	0453	0608	1843	1958	8	55	0110	1413	
14	0453	0608	1843	1957	8	56	0200	1507	
15	0453	0608	1843	1957	8	56	0251	1559	
16	0453	1608	1842	1956	8	57	0343	1649	
17	0454	0608	1842	1956	8	58	0433	1737	
18	0454	0608	1841	1956	8	58	0524	1821	
19	0454	0608	1841	1955	8	59	0613	1904	New Moon
20	0454	0608	1840	1955	8	59	0702	1943	
21	0455	0608	1839	1954	9	01	1747	2021	
22	0455	0608	1839	1953	9	02	0833	2058	
23	0455	0608	1838	1952	9	03	0920	2135	
24	0456	0608	1837	1951	9	05	1006	2214	
25	0456	0608	1837	1950	9	06	1053	2253	
26	0456	0609	1836	1949	9	07	1142	2335	
27	0457	0609	1836	1948	9	09	1234	- -	1st Qtr.
28	0457	0609	1835	1947	9	10	1327	0022	
29	0457	0609	1835	1947	9	10	1423	0113	
30	0458	0610	1834	1946	9	12	1521	0208	
31	0458	0610	1833	1946	9	12	1620	0308	

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HEADQUARTERS, III AMPHIBIOUS CORPS
Fleet Post Office,
San Francisco.

7 July 1944.

[redacted]

Addenda No. 1 to Appendix #4 of Annex B, III PhibCorps Operation Plan 1-44.

The following addition to paragraph No. 5 is promulgated to insure proper continuation of FORAGER passwords and countersigns. Under no circumstance is this list to be taken ashore.

5. The challenge "Halt, who is there?" will be employed in the system as follows:

20 July - Up to 1200:
Challenger: "Halt, who is there?"
Answer: "June." (Or any other month.)
Challenger: "August." (Or any other month.)
Starting at 1201:
Challenger: "Halt, who is there?"
Answer: "Pittsburgh." (Or any other large U.S. City.)
Challenger: "New Orleans." (Or any other large U.S. City.)

21 July - Challenger: "Halt, who is there?"
Answer: "Seattle." (Or any other large U.S. City)
Challenger: "Dallas." (Or any other large U.S. City.)

22 July - Same as previous day.

23 July - Same as previous day.

24 July - Same as previous day.

25 July - Up to 1200:
Challenger: "Halt, who is there?"
Answer: "Milwaukee." (Or any other large U.S. City.)
Challenger: "Chicago." (Or any other large U.S. City.)
Starting at 1201:
Challenger: "Halt, who is there?"
Answer: "Indiana." (Or any other State in the U.S.
Challenger: "Missouri." (Or any other State in the U.S.)

26 July - Challenger: "Halt, who is there?"
Answer: "New Jersey." (Or any other State in the U.S.)
Challenger: "Rhode Island." (Or any other State in the U.S.)

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Addenda No. 1 to Appendix #4 of Annex B, III PhibCorps Operation Plan 1-44 (Cont'd).

- -

[redacted]

27 July - Same as previous day.
28 July - Same as previous day.
29 July - Same as previous day.
30 July - Up to 1200:
Challenger: "Halt, who is there?"
Answer: "Maryland." (Or any other State in the U.S.)
Challenger: "Virginia." (Or any other State in the U.S.)
Starting at 1201:
Challenger: "Halt, who is there?"
Answer: "February." (Or any other month).
Challenger: "December." (Or any other month.)
31 July - Challenger: "Halt, who is there?"
Answer: "November." (Or any other month.)
Challenger: "March." (Or any other month.)
1 August Same as previous day.
2 August Same as previous day.
3 August Same as previous day.
4 August Up to 1200:
Challenger: "Halt, who is there?"
Answer: "September." (Or any other month.)
Challenger: "April." (Or any other month.)
Starting at 1201:
Challenger: "Halt, who is there?"
Answer: "Harrisburg." (Or any other large U.S. City.)
Challenger: "Boston." (Or any other large U.S. City.)
5 August Challenger; "Halt, who is there?"
Answer: "Portland." (Or any other large U.S.City)
Challenger: "San Diego." (Or any other large U.S. City.)
6 August Same as previous day.
7 August Same as previous day.
8 August Same as previous day.
9 August Up to 1200:
Challenger: "Halt, who is there?"
Answer: "Denver." (Or any other large U.S. City.)
[redacted]llenger: "Philadelphia." (Or any other large U.S. City.)
Starting at 1201:
Challenger: "Halt, who is there?"
Answer: "Oklahoma." (Or any other State in the U.S
Challenger:"Iowa." (Or any other State in the U.S.

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10 August Challenger: "Halt, who is there?"
Answer: "Minnesota." (Or any other State in the U.S.)
Challenger: "Vermont." (Or any other State in U.S.)
11 August Same as previous day.
12 August Same as previous day.
13 August Same as previous day.
14 August Up to 1200:
Challenger: "Halt, who is there?"
Answer: "Tennessee." (Or any other State in U.S.)
Challenger: "Wyoming." (Or any other State in the U.S.)
Starting at 1201:
Challenger: "Halt, who is there?"
Answer: "August." (Or any other month.)
Challenger: "June." (Or any other month.)
15 August Challenger: "Halt, who is there?"
Answer: "May." (Or any other month.)
Challenger: "October." (Or any other month.)
16 August And thereafter - the system continues until countermanded.

6. All personnel will be warned that in no case will this code be taken ashore. It must be borne in mind that it is only necessary to memorize the key word corresponding to each five-day period.

BY COMMAND OF MAJOR GENERAL GEIGER:

M. H. SILVERTHORN,
Colonel, U. S. Marine Corps,
Chief of Staff.

OFFICIAL:

W. F. Coleman

W. F. COLEMAN;
Lt-Col:,USMC.,
ACofS., C-2.

DISTRIBUTION: Same as Operation Plan 1-44.

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Appendix Chart Annex C to A 162-44.

18 Sep 1944

OM # 11-ND-1335

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TRANSPORT AREA (NORTHERN)

Rendezvous Area (Tractor Group No. 3)

LST Initial Area

LST Launching Area

FIRE SUPPORT AREA No. 3
(Fire Support Unit No. 3)

FIRE SUPPORT AREA No. 5
(Fire Support Unit No. 5)
DD 5-1 DD 5-2

FIRE SUPPORT AREA No. 1
(Fire Support Unit No. 1)

FIRE SUPPORT AREA No. 7
(Fire Support Unit No. 7)
DD 7-1 DD 7-2

Line of Dep.

FP

FIRE SUPPORT AREA No. 6
(Fire Support Unit No. 6)

(Fire Support Unit No. 6)
DD 6-1

TRANSPORT AREA (SOUTHERN)

LST Initial Area

LST Launching Area

Line of Dep.

YELLOW No. 1
YELLOW No. 2
WHITE No. 1
WHITE No. 2

FIRE SUPPORT AREA No. 4
(Fire Support Unit No. 4)
DD 4-1 DD 4-2

LST Pre-Dawn Area

FIRE SUPPORT AREA No. 2
(Fire Support Unit No. 2)

Calalan Bank

APRA HARBOR

AGANA BAY

AGAT BAY

ALUTOM IS

ANAE IS

ALUPAT IS

NEYE IS

Orote Pt

Sumay

Haputo Pt

Asan Pt

Adelup Pt

Bangi Pt

Facpi Pt

Hilaan Pt

Tanguisson Pt

Amentes Pt

Bijia Pt

Yngo Pt

Saupen Pt

Tumon

Finegayan

Ukudu

DEDEDO

Hapuha Pt

AGUE

TUMON BAY

Oca

Saucio

Timoneng

Agana

Anigua

Piti

Tuliqan

Sinajana

Mongmong

Malojloj

Ulang

Pulan

Barrigada

Fadian

Taotes Pt

Taogam Pt

PAGO BAY

Pago Pt

Tagachan Pt

YLIG BAY

Ylig Pt

Famjal

Sinenasong

Fonte

MADAINA MT

LAMLAM MT

SUMAGSAG MT

SID
CABRAS I.
JOE
BERT
DICK
RALPH
BOB
BILL
IVY
ANN
SAL
SARGE
PETE
PAT
HANK
BUCK
FRITZ
SUE
JANE
JOHN
TOM
MAMAJANAO
BUTCH

ANNEX "C"
TO COMMANDER, TASK FORCE 53
OPERATION PLAN NO. A162-44

OPERATIONS CHART

TOP SECRET

(Soundings in Fathoms)

SCALE: 1" = 1 NAUTICAL MILE

1 ½ 0 1 2 3

1 ½ 0 1000 2 3 4 5000

Thousands of Yards

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18 SEP 1944

O.M. # 11-ND-1335

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TRANSPORT AREA (NORTHERN)

Rendezvous Area (Tractor Group No. 3)

LST Initial Area

LST Launching Area

FIRE SUPPORT AREA No. 3
(Fire Support Unit No. 3)

FIRE SUPPORT AREA No. 5
(Fire Support Unit No. 5)
DD 5-1 DD 5-2

Line of Dep.

FIRE SUPPORT AREA No. 7
(Fire Support Unit No. 7)
DD 7-1 DD 7-2

FIRE SUPPORT AREA No. 1
(Fire Support Unit No. 1)

FP

FIRE SUPPORT AREA No. 6
(Fire Support Unit No. 6)

(Fire Support Unit No. 6)
DD 6-1

TRANSPORT AREA (SOUTHERN)

LST Initial Area

LST Launching Area

Line of Dep.

FIRE SUPPORT AREA No. 4
(Fire Support Unit No. 4)
DD 4-1 DD 4-2

LST Pre-Dawn Area

FIRE SUPPORT AREA No. 2
(Fire Support Unit No. 2)

SID CABRAB IS JOE BERT RALPH DICK JIM BILL ANN JAKE SAL SARGE PETE PAT HANK FRITZ BUCK SUE JANE JOHN BOB

APRA HARBOR AGANA BAY AGAT BAY ALUTOM IS ANAE IS NEYE IS ALUPAT IS

Hoputo Pt Hilaan Pt Tanguisson Pt Amentea Pt Bijia Pt Ypao Pt Saupen Pt Adelup Pt Asan Pt Orote Pt Haputo Pt Pelagi Rk Agat Banji Pt Facpi Pt

AGUE Ukudu DEDEDO Finegayan Tumon MAMAJANAO OCA Saucio Imoneng BUTCH Maite Ulang Pado Pulan Barrigada Luayao Adelup Pt Anigua Apaga Apuguao Apiguian Tente SINAJANA MAGUNA MT Tamuning Sumay Santa Cruz (Ruins) Fadian Pt Plates Pt Taogam Pt PAGO BAY Pago Pt Togachan Pt YLIG BAY Ylig Pt

TUMON BAY

YELLOW No. 1
YELLOW No. 2
WHITE No. 1
WHITE No. 2
RED No. 1
RED No. 2
GREEN

ANNEX "C"
TO COMMANDER, TASK FORCE 53
OPERATION PLAN NO. A162-44

OPERATIONS CHART

TOP SECRET

(Soundings in Fathoms)
SCALE: 1" = 1 NAUTICAL MILE

1 ½ 0 1 2 3

1 ½ 0 1000 2 3 4 5000
Thousands of Yards

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Copy No 546

ANNEX "D" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

GENERAL BOMBARDMENT (AIR AND GUNFIRE),

FIRE SUPPORT AND AIR SUPPORT INSTRUCTIONS

Reference: CinCPac Conf. Ltr. 13CL-44, "Doctrine for Naval Gunfire Support of Landing Operations."

I General Directive

(1) These instructions, in addition to reference, will be used as a general guide during the scheduling and executing of ships' gunfire against shore objectives at GUAM. Details will be prescribed for the support of the ASAN landing by Commander Northern Attack Group (CTG 53.1), for the support of the AGAT landing by Commander Southern Attack Group (CTG 53.2), and for the W minus 2 Day and W minus 1 Day bombardments by Commander Bombardment Group TWO (CTG 53.15). The following instructions are not to be considered restrictive. It may become necessary for responsible commanders to depart from certain of these instructions as the circumstances warrant, particularly in regard to ammunition expenditure, but this should not be done without good reason, and especially the allocation of ammunition for W-Day must not be prejudiced. Despatch reports at the end of the day on W minus 2 and W minus 1 Days from ComTaskGrp 53.15 describing known or probable damage to or destruction of beach obstacles, defensive works and batteries is desired by ComTask-For 53, info ComTaskGrp 53.2. Additional intelligence, as it becomes available, will be delivered to Task Group Commanders.

(2) The counterbattery mission is of primary importance. It is desired that each enemy battery or enemy gun position be marked and position reported. No plane or ship will do wrong who instantly attacks any enemy gun that fires from the areas assigned as its responsibility and immediately thereafter reports the gun's position. These reports must be passed by parent ship or unit commander to the Attack Group Commander responsible for the land area in which the enemy gun is located.

II Pre-W-Day (W minus 2 and W minus 1 Day) Bombardments

Preparation bombardment of GUAM by ships and aircraft of Task Force 53 will be coordinated with the scheduled strikes by aircraft from Task Force 58 on these days. Detailed plans will be prepared by Commander Bombardment Group TWO (ComCruDiv-9) and will include the following:

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O.M. # 11-ND-1335

(1) Covering, close range gunfire for support of activities of Underwater Demolition Team personnel. This covering fire should be maintained while reconnaissance and underwater demolition activities are in progress. These activities and the presence of the ships should develop reaction from beach defenses and shore batteries (both fixed and mobile) and thereby disclose their positions. It is desired that the naval vessels, particularly the armored ones (OBB's, CA's and CL's), engage the batteries in a close range and decisive gun battle with the object, not only of neutralizing them during the activities off the beaches, but to put them permanently out of action. Destroyers and light cruisers can similarly engage the beach defenses.

(2) Location and destruction of all enemy coast defense guns, antiaircraft and field artillery batteries in the combat area on the western side. The action brought about in (1) above will accomplish this partially, nevertheless a thorough, systematic check off and repeated attacks by gunfire and bombing on known and discovered positions must be carried out on both days, supplementing the effect of the Task Force 58 strikes and the interchange of fire during covering operations.

(3) Neutralization of airfields by Task Force 58 carrier strikes on D, D plus 1, D plus 2 Days are scheduled and, together with night harassing fires, should keep airfields neutralized. On W minus 1 Day planes of CarDiv 22 may be available to supplement these strikes under the control of ComTaskGrp 53.15 and his Advance Support Air Commander.

(4) Bombardment of beach defenses. Gun positions (fixed or mobile) which can bear on the landing beaches, boat lanes and fire support areas must be destroyed. Positions affording the enemy flanking fire onto the beaches, for example points of land on either or both sides, should be given particular attention. While the action developed in (1) above will result in some destruction, it is desired that the beach defenses be thoroughly gone over by gunfire.

(5) Harassing fires during darkness on nights of W minus 2 Day and W minus 1 Day fired at irregular rates and at irregular intervals. There are certain stretches of roads and certain road junctions over which reinforcements can be moved from bivouac areas into the defenses of our beaches. Provisions should be made to keep these under observation for targets of opportunity, during both days and at frequent intervals during both nights, using illumination as necessary. Airfields should be fired on at irregular intervals during the night to reduce activity of servicing airfields.

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(6) Supporting fire on the east coast of GUAM to cover the ships and landing craft making the demonstration (This will be provided by ships of the Attack Groups, not by Bombardment Group TWO).

(7) Targets have been selected the destruction or neutralization of which are considered essential to the success of the operation, for the purpose: of enabling the beach reconnaissance and demolition to be carried out; of protecting the transport group with its landing elements so that it can approach and execute the ship-to-shore landing of troops; and to assist the scheme of maneuver of the troops after landing. A table of these targets with priority of importance and means available for elimination is given below.

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ANNEX "D" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

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PRIORITY	TARGET	ATTACK or GUNFIRE	GRID LOCATION	DESTROY or NEUTRALIZE	CV and/or CVL	BB, CL, CA or DD
A	Air Fields	A	OROTE AGANA TANGUIS-SON	N	CV	
A	Coastal Batteries	G & A	751133 (SARGE)* 798157 (SID)* 869170 (RALPH)* 962227 (TOM)*	D	CV	BB CA
A	Heavy AA	G & A	756125 780118 784115 (SARGE)* 788100 (PAT)* 848165 (RALPH)* 944178 935175 913170 893163 (BUTCH)* 862157 (JIM)* 899151 (JAKE)* 821136 (PETE)* 977168	D	CV	BB CA CL

* Target areas are arranged in order of priority from top to bottom of sheet, and should be taken in order given in the event that all cannot be at once covered.

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PRIORITY	TARGET	AIR or GUNFIRE	GRID LOCATION	DESTROY or NEUTRALIZE	CV and/or CVL	BB, CL, CA or DD
B	Landing Beach Defenses	G & A	RALPH	N (during beach demolition)	CV	CL DD
	(Special Attention ASAN PT. and ADELUP PT.)					
			DICK BERT BOB			
B	Landing Beach Defenses	G & A	BUCK	N (during beach demolition)	CV	CL DD
	(Special Attention PELAGI RK., PT. behind (395P), and BANGI PT. (346Y). (Special Attention NEYE ISLAND PT. behind (410I).					
			SUE HANK PUG (include trenches) PAT			
C	Buildings	G & A (Air use incendiaries)	397C,H, I,L,M, Q,R (AGAT)	D	CV	BB CA
C	Buildings (Air use incendiaries)	G & A	581L,M, N (ASAN)	D	CV	CL DD
C	Buildings (Air use incendiaries)	G & A	557P,U 556Y (PITI)	D	CV	CL DD
C	Grass in fields behind town of ASAN	A (Use incendiaries)	582,583, 559,560, 561,532,533 (All above are 1000 yard grid areas)	N	CV	
D	Bridges	G	903171 (AGANA RIVER) 811106 (PITI)	D		CA

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ANNEX "D" TO COMMANDER TASK FORCE THIRTY-FIVE OPERATION PLAN NO. A162-44 (CONTINUED)

PRIORITY	TARGET	AIR or GUNFIRE	GRID LOCATION	DESTROY or NEUTRALIZE	CV and/or CVL	BB, CL, CA or DD
E	Bivouac Areas	A (Use incendiaries)	623Q 610H (DUTCH)	D	CV	
F	Radar & Communication Centers	A	780120 757130 773116 (SARGE)	D	CV	
F	Buildings	G & A (Air use incendiaries)	603Y 604U,V 585B Governor's Palace (898170) Power Plant (899167) (AGANA)	D	CV	BB
G	Night Harassing (Illuminate and fire at targets of opportunity)	G	905171 (AGANA Road Junction) 822062 (FRITZ)	N		DD
G	Night Harassing (Intermittent Fire)	G	766122 (OROTE Airfield) 944175 (AGANA Airfield)	N		DD

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III W-Day to How Hour, Support

The following objectives should be covered in general order of priority:

(1) Counterbattery fire, commencing near dawn, and covering known and suspected positions of enemy coast defense guns, anti-aircraft, dual purpose and field artillery batteries and at probable observation and command post sites that have not already been eliminated. Full utilization should be made of last minute intelligence information, and very careful observation, in order that this bombardment coverage may be as complete as is possible.

(2) Destruction of beach defenses. Those defenses in, behind and flanking the landing beaches, should be bombarded by close range fire, commencing at waterline and extending 300 yards inland. This firing must be planned to furnish also the maximum possible support to Underwater Demolition Teams during the short period before the landings that they will be working off the beaches.

(3) Interdiction fire to deny the enemy the use of roads for movement of reserves. Critical points will be determined by last minute intelligence reports and close observation and will probably include the road junction southeast of ADELUP POINT, the road junction at PITI, the roads between TOTO - AGANA - ANIGUA - ASAN, the road junctions at both the north and south ends of the town of AGAT, the road net to the north and east of AGANA town and the road through the pass north of MT. ALIFAN. Detailed schedules and areas to be covered will be outlined in the Schedules of Fires prepared by ComTaskGrp 53.1 and ComTaskGrp 53.2.

(4) Close supporting fire commencing shortly before How Hour and delivered at and on the flanks of ASAN and AGAT landing beaches. Destroyer cross fire will be used on ADELUP and ASAN POINTS and beaches adjacent thereto. Close supporting fire will include close range fire by PENNSYLVANIA, cruisers, destroyers and LCI(G)'s. When the leading boat waves arrive at about 1200 yards from the beach (about H minus 8) cruisers will lift main batteries to inland areas and flanking areas with increased rate of fire for the purpose of neutralizing mobile batteries and mortar fire which could register on the landing beaches. Aircraft will then commence bombing and strafing of the beach areas while five inch gunfire continues at an intense rate. Five inch batteries will shift fire to the near flanks of the landing beaches when the leading assault wave arrives about 300 yards from the beach, keeping line of fire just clear of the near end of the landing waves. During the bombing and strafing certain restrictions will be imposed on gunfire but the firing will not be interrupted.

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(5) Smoke will be laid by smoker planes in such manner as to cover mountain slopes and obscure batteries and observation posts commanding landing beaches.

IV How Hour and Subsequent

(1) Continue fires as scheduled until ordered to check or cease fire.

(2) Call fires will be made available as soon as communication is established with the shore fire control parties.

(3) Fire Support Group will be prepared to deliver harassing fire, interdiction fire, star shell illumination, and searchlight illumination during William night and thereafter upon request from ground troops. Searchlights will not be used unless absolutely essential.

(4) Fire Support Group will be prepared to deliver smoke by WP projectiles until such time as field artillery is able to deliver such fire.

(5) All Fire Support Groups will be alert for targets of opportunity that may appear in areas known to be clear of our own troops (reserve troop movements, enemy tanks or enemy craft that might be approaching to attack our beachheads).

V General Gunfire Instructions

(1) In firing at area targets of all categories deflection patterns should be artificially increased to 50 or 75% of the range pattern by setting parallax on infinity or using offset pointers. To increase chances of covering all parts of area targets, small changes in range and deflection should be made after each salvo according to a calculated system.

(2) Rates of ships' gunfire should be approximately as follows in shots/gun/minute

Caliber	16" and 14"	8"	6"	5"
Rapid fire	½	1	2	10
Deliberate fire	¼	½	3/4	2 (or less)

(3) Direct fire should be used where possible, although indirect methods must always be used whenever direct points of aim are not available. For short ranges, and at particular targets, pointer fire is more effective than director fire.

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(4) Enfilade fire is desirable when the target is long and narrow, and also sometimes at beach defenses. This avoids wasted shorts and overs due to pattern being larger than target. Firing perpendicular to the beach generally allows better selection and observation of targets. When firing at defenses close to the beach about 20% of the shots must hit the water to ensure that the MPI is properly placed.

(5) Choice of Projectiles, and Fuzes. After experience, research, and consultation with ordnance experts the following policy is adopted, subject however to consideration of the mission of the bombardment:

(a) Armor-piercing Projectiles - To be used only against exceptionally thick and strong structures, and then only when a reasonable percentage of direct hits is obtainable.

(b) Common - Same as for armor-piercing.

(c) High Capacity and A.A. Common - For all other purposes. Percentage of point-detonating fuzes will be 75% when covering an area, and 25% for all other purposes. Air burst will be used only when requested by shore fire control parties, or against enemy troops actually observed in the open or in open trenches.

(d) White Phosphorus - To be used for smoke screen before H-Hour or for aid in spotting own salvos. To be used for same purpose after H-Hour only when requested by shore fire control parties. May have some anti-personnel value against troops in confined areas.

(e) Mark 32 fuzes - Not to be used for shore bombardment.

(f) 40mm - To be used by all vessels when range and other conditions permit. These guns should be controlled by 5" gun directors if installation permits.

(6) Firing sectors or areas should be chosen so as to allow firing vessels the maximum maneuvering consistent with effective fire and avoidance of interference between vessels. These assignments should also allow maximum visibility of target areas assigned to the firing ships. Unnecessary hazards to own ships, boats, planes, and troops from ricochets, shorts, overs, premature bursts, etc., should be avoided. "Mean lines of fire" may be specified to ensure this when assigned sectors are not too large. Range and most effective lines of fire must also be considered in the choice of sectors.

(7) Each ship should be assigned targets in the same general area over a considerable period of time. This facilitates accurate spotting and control of fire and automatically delimits areas of responsibility for counterbattery fires and those at targets of opportunity. This does necessitate, however, some changes of assignments before [illegible] ships have to drop out for any reason.

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(8) Ships are responsible for covering assigned targets regardless of interruptions even though a reduction of volume of fire is necessary.

(9) Destruction of hulks, latrines, dock houses, and similar potential machine gun nests located along or near the beach or in favorable enfilading positions is essential. Pointer fire should be used for small targets of this character. Use 5 inch and even 40mm and 20mm wherver possible for this purpose.

(10) Time of commencement of scheduled counterbattery fires should be dawn, using star-shells as necessary for spotting. This tends to protect the transports and other ships from coastal batteries. Gunfire ships must be in position to execute counter-battery fire as soon as transports come within range of enemy batteries.

(11) Rolling barrage just ahead of the troops is best accomplished by the shore artillery. Naval gunfire may be scheduled to supplement this when this is essential. Call fires on specific targets are more suited to naval vessels.

(12) Screening of battleships and cruisers should be provided to the maximum possible extent. Experience has demonstrated that gunfire from numerous support ships cannot be delivered effectively on small targets unless vessels are in groups, segregated in sectors, and steam at reasonably low speeds. Ordinarily, AS vessels are available for screening, and, therefore, larger vessels will be enabled to steam slowly across their sectors while firing, and thus deliver effective fires. Interchange of destroyers between fire support group and screen is planned.

(13) Aerial spotting must be provided: (In order of priority)

(a) For heavy ships' fire (controlled by ship).
(b) For shore artillery fire.
(c) For call fires controlled by shore fire control parties.
(d) For destroyer fire, (controlled by ship) (if this can be done without launching additional planes).

(14) Delay of H-Hour after firing schedule has begun will result in a period of silence unless some provision is made to avoid this. A simple solution is to repeat all fires for the otherwise silent period exactly as scheduled, but with a curtailed allowance of ammunition, expended at reduced rates of fire. For example, if at H minus 50, H-Hour is delayed 30 minutes, the firing schedule from H minus 80 to H minus 50 is merely repeated with whatever ammunition can be spared, expended at reduced rates of fire. However, the approach of the assault waves during the

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entire 4000 yards after leaving the line of departure must be covered and the last 1200 yards of the approach must be covered with intensified gunfire, no matter what the delay. Delay in Northern landing only will be announced as Fox Hour; delay in Southern landing only will be announced as George Hour; equal delay in both landings will be announced as a new How Hour.

(15) (a) Small patterns must be attained by all ships by accurate alignment and adjustment of fire-control systems. The patterns may then be increased in size by arbitrary settings, as desired.

(b) Accurate ballistics must be determined by offset ballistic firing if data have not already been obtained.

(c) Current must be accurately determined and allowance made for it in setting up the fire control problem.

(16) Bombardment and fire support gunfire problems will be markedly different in the case of high islands from those of atoll islands.

(17) The size of the objective and the nature of the terrain would indicate that enemy defensive measures will probably be highly flexible and well camouflaged. Consequently, excessive reliance on advance intelligence information should be avoided. Ship Commanders, particularly of those ships in fire support groups, should study terrain details, road nets and enemy installations, particularly within their own sectors of responsibility. All units should be continuously alert for evidences of enemy activity and take offensive action. Defensive positions in the hills and mountains, particularly those overlooking the landing areas, will require immediate action and precise, accurate technique of fire delivery.

(18) The number of possible targets will be greatly multiplied by the terrain and the lengthy nature of the action. It is desired that the landing forces be given all possible naval gunfire support. Conversely, the number of potential targets makes it necessary that waste of ammunition be avoided. Each target should be given a sufficient number of rounds to insure accomplishment of the mission, but no tactical advantage can be gained by needless additional fire which will quickly exhaust the ships' supplies.

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(20) Bombardment Ammunition Allowances of Support Groups
(All figures are rounds per gun)

TF	TYPE SHIP	CALIBER	INITIAL BOMBT. LOAD	INITIAL SURFACE LOAD	RESERVE AT OBJECTIVE	RESERVE AT ENIWETOK	BOMBT. ALLOW. REMAIN. AFTER W-DAY CALL FIRES ALLOWANCE D-1	W-2	W-1	W
53	3 OBB	14"	80 HC	0	0	100 HC	16	16	16	16
		14"	8 AP	40 AP	0	25 AP	3	0	3	2
		5"/51	200 HC	0	0	100 HC	40	40	40	40
		5"/51	50 Com.	280 Com.	0	0	10	0	20	20
		5"/38	250	Remain. Incl. 100 AAC	0	350 AAC	50	50	50	50
		5"/38	10 WP	0	0	12 WP	2	0	0	5
		5"/25	200 AAC	Remain. Incl. 60-200 AAC	0	175 AAC	40	40	40	40
53	4 CA	8"/55	90-100 HC	0	50 HC	100 HC	20	20	20	20
		8"/55	10 AP	35 AP	50 AP	50 AP	2	0	3	5
		5"/25	125 AAC	Remain. Incl. 85-95 AAC	0	125 AAC	25	25	25	25
		5"/38	200 AAC	Remain. Incl. 80-90 AAC	0	200 AAC	40	40	40	40
		5"/38	10 WP	0	0	12 WP	2	0	0	5
53	2 CL	6"/47	180 HC	0	180 HC	180 HC	36	36	36	36
		6"/47	13 AP	50 AP	0	90 AP	3	0	5	5
		5"/25	200 AAC	Remain. Incl. 70 AAC	0	250 AAC	40	40	40	40
		5"/38	250 AAC	Remain. Incl. 80 AAC	0	250 AAC	50	50	50	50
		5"/38	10 WP	0	0	12 WP	2	0	2	5
53	16 DD	5"/38	150 AAC	Remain. Incl. 80 AAC	150 AAC	150 AAC	30	0	30	40
		5"/38	25 Com.	25 Com.	0	50 Com.	5	0	7	8
		5"/38	10 WP	0	0	12 WP	2	0	0	5

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ANNEX "D" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

(21) The following ammunition will be available as indicated.

Reserve Naval Ammunition Ships
(All quantities are per ship)

Number	Type	North	South
450	8" HC with reduced charges	WAYNE ELMORE WINDSOR PRES. JACKSON PRES. ADAMS	FAYETTE CLYMER ORMSBY
1,350	6" HC with reduced charges	DUPAGE PRES. HAYES	ZEILIN VIRGO
60 120	Mark 7 Depth Chgs) Mark 6 Depth Chgs)	AQUARIUS	VIRGO
800	5"-38 AAC	LST's 125, 241, 117, 118, 343, 399, 207, 449.	LST's 221, 227, 41, 122, 38, 78, 243.
5,000 12,500 25,000 224	40 MM) 20 MM) 50 Cal.) 4.5 Rockets)	LST's 488, 247, 70, 219, 220, 123, 269.	LST's 479, 481, 482, 270, 276.

VI General Air Support Instructions

(1) During the period Task Unit 53.7.2 (CarDiv 24 less NATOMA BAY, MANILA BAY) is attached to Bombardment Group TWO, Task Unit 53.7.2 operate in accordance with directives issued by Commander Bombardment Group TWO and higher authority. (See Annex "F" to CTF 51 Operation Plan No. A10-44). Control of support aircraft* over the formation or over the objective areas will be exercised by Commander Advance Support Aircraft in HONOLULU under direction of Commander Bombardment Group TWO.

(2) On William minus Two Day at GUAM, support aircraft will be furnished by Task Group 53.7.2 and such aircraft of Task Force 58 as may be directed later by higher authority. Commander Advance Support Aircraft in HONOLULU.

* Support aircraft includes combat air patrols, anti-submarine patrols, support aircraft groups and aircraft assigned special missions such as smokers, photographic planes and liaison planes.

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ANNEX "D" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

(3) On William minus One Day at GUAM, support aircraft will be furnished by aircraft of Task Unit 53.7.2 and Task Force 58 in accordance with the schedule laid down in Annex "F" to CTF 51 Operation Plan No. A10-44. Commander Advance Support Aircraft in HONOLULU.

(4) On arrival ComTaskFor 53 in objective area, control of support aircraft will be exercised directly by Commander Support Aircraft (GUAM) in APPALACHIAN under direction of ComTaskFor 53 in accordance with Annex "F" to CTF 51 Operation Plan No. A10-44.

(5) Prior to How Hour on William Day, naval gunfire will normally operate under PLAN VICTOR (See Appendix "8" to Annex "F" to CTF 53 Operation Plan A162-44) while air strikes are in progress on the GUAM objective. In the event PLAN VICTOR is not in effect at the time an air strike takes place, this strike neither will be ordered nor made in areas that will endanger aircraft from naval gunfire, mortar or rocket trajectories.

R.L. CONOLLY,
Rear Admiral, U.S. Navy,
Commander Task Force FIFTY-THREE.

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Appendix "5"

to Annex "D"

to Commander Task Force FIFTY-THREE Training Order No. A151-44

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VOICE PROCEDURE

The procedure outlined in this annex is drawn from the basic doctrine of Combined Radiotelephone Procedure (CCBP-3), which is herein assembled and interpreted according to requirements of voice communications during amphibious operations.

Subordinate commanders are directed to indoctrinate their groups in this procedure during exercises in order that all voice operators in the task force will be effectively trained in a uniform procedure prior to actual operations.

While in port, subordinate commanders will set-up and control VHF drill circuits for their groups to the maximum extent possible.

Voice Procedure on a Free Net

A. The Call-up

1. The call-up will be comprised of only the call of the addressee, the call of the originator, and the procedure phrase "over". It is advisable to repeat each station called. No other phraseology is necessary in the call-up. Do not include the extraneous phrase, "I have a message for you". In answering a call up, do not use the unnecessary phrase, "send your message". A station will not be called unless there is traffic for him, consequently the inclusion of such texts is needless transmission, which over the period of a day may amount to a considerable factor of wasted time.

Example of complete call-up and answer:

HARVEY...HARVEY...THIS IS JERICHO...OVER.

JERICHO...THIS IS HARVEY...OVER.

2. Nothing more than this is required in the call-up on a free net. The station called is now ready to receive traffic from the calling station.

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3. When communications are optimum, an abbreviated procedure may be used, deleting the preliminary call-up. In this case the originating station will simply call the addressee and send his message. This form should always be used when the station has just been heard on the circuit, or when it is known that good communications exist between the station calling and the station to be called.

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4. In the case of more than one addressee, the stations called will answer promptly and in alphabetical order of their calls. A complete answer is not necessary when no transmissions intervene between the call-up and the answer.

Example of complete call-up and answer by more than one station:

HARVEY...JAZBO...PICKLE...HARVEY...JAZBO...PICKLE...THIS IS JERICHO...OVER.

THIS IS HARVEY...OVER.
THIS IS JAZBO...OVER.
THIS IS PICKLE...OVER.

5. All stations called are now ready to receive traffic.

B. The Message

1. If no transmissions intervene, the originating station may proceed with his message, using only a partial call; i.e., "This is Jericho...time one three two one...etc.". If transmissions have intervened, it will be necessary for the originating station to repeat his call-up, but then proceed directly to his message. Do not use extraneous phrases, such as "message follows", as introductions to the text. "Break" is the proper phrase provided by standard procedure to separate the heading from the text.

Example of call-up and transmission of message:

HARVEY...PICKLE...HARVEY...PICKLE...THIS IS JAZBO...OVER.

THIS IS HARVEY...OVER.
THIS IS PICKLE...OVER.

THIS IS JAZBO...TIME ZERO FOUR ONE TWO LOVE...BREAK...RETURN ALL EMPTY BEER BOTTLES...OVER.

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Example of call-up and transmission of message when one station is action and another info:

HARVEY...PICKLE...HARVEY...PICKLE...THIS IS JAZBO...OVER.

THIS IS HARVEY...OVER.
THIS IS PICKLE...OVER.

THIS IS JAZBO...ACTION HARVEY...INFO PICKLE...TIME ZERO FOUR ONE TWO...BREAK...RETURN ALL EMPTY BEER BOTTLES...OVER.

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2. In sending a message, speak slowly by natural phrases, and enunciate clearly. Do not spell word by word or syllable by syllable. Phrase the message naturally, allowing brief but adequate pauses.

C. The Receipt

1. Receipts will be given promptly and in alphabetical order. Where no transmissions have intervened, it is not necessary to reference the time group of the message receipted for. Where there have been intervening transmissions, the reference number of the message should be given in the receipts.

Example (no interventions):

HARVEY...PICKLE...HARVEY...PICKLE...THIS IS JAZBO...OVER.

THIS IS HARVEY...OVER.
THIS IS PICKLE...OVER.

THIS IS JAZBO...TIME ZERO FOUR ONE TWO LOVE...BREAK..RETURN ALL EMPTY BEER BOTTLES...OVER.

THIS IS HARVEY...ROGER...OUT.
THIS IS PICKLE...ROGER...OUT.

2. Observe that if the message is correctly received, the proper phrase with which to end the receipt is "out". Do not use "over", which requires an answer. Once the message is properly received, there is no necessity for further transmission. Do not use both "over" and "out" at the end of a message. Such an ending contradicts itself, means nothing, and indicates the operator's ignorance of voice procedure.

3. If one or more stations, in the case of a message which has multiple addees, require repeats, they will make their requests in alphabetical order, so that the originating station will know just what portions of the message he will have to repeat in order to complete delivery to all stations.

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Example:

HARVEY JAZBO JERICHO PICKLE...HARVEY JAZBO JERICHO PICKLE...
THIS IS ZIPPO...OVER.

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THIS IS HARVEY...OVER.
THIS IS JAZBO...OVER.
THIS IS JERICHO...OVER.
THIS IS PICKLE...OVER.

THIS IS ZIPPO...TIME TWO ZERO ONE FIVE LOVE...BREAK...DELAY LANDING OF BULLDOZERS SCRAPERS AND JEEPERS...OVER.

THIS IS HARVEY...ROGER...OUT.
THIS IS JAZBO...SAY AGAIN ALL BEFORE BULLDOZERS...OVER.
THIS IS JERICHO...ROGER...OUT.
THIS IS PICKLE...SPELL WORD AFTER END...OVER.

THIS IS ZIPPO...I SAY AGAIN ALL BEFORE BULLDOZERS...DELAY LANDING OF BULLDOZERS...I SPELL WORD AFTER END...JIG EASY HOW EASY EASY MIKE ITEM EASY SUGAR - - JEEPERS...OVER.

Voice Procedure on a Controlled Net

Procedure on a controlled net will be fundamentally the same as procedure on a free net. However, there are certain distinct differences with which all operators must be familiar in order that control may function properly and efficiently.

Phraseology will not differ between free and controlled nets. Procedure will vary as indicated in the paragraphs which follow.

A. Permission to Transmit

1. A station wishing to send a message over a controlled net must first obtain permission from the net control station to do so. This request for permission to transmit will not interfere with transmissions in progress, nor with receipts for the last transmission (unless the control station indicates that the circuit is clear).

2. The request to transmit will also serve as a preliminary call-up. This will be accomplished as indicated in the example below.

Example of request to transmit:

DAGGER...THIS IS GIZMO...PRIORITY MESSAGE FOR HARVEY...MAY I TRANSMIT...OVER.

GIZMO...THIS IS DAGGER...SEND YOUR MESSAGE...OUT.
HARVEY...THIS IS GIZMO...NUMBERS...BREAK...TEXT...OVER.

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3. Thus, Harvey hearing his call in Gizmo's request is alerted, thereby eliminating the necessity of a preliminary call-up.

4. If the station transmitted to does not receipt, the originating station will then give a call-up. In doing so, use only the simple call-up.

Example:

HARVEY...HARVEY...THIS IS GIZMO...OVER.

GIZMO...THIS IS HARVEY...OVER.

HARVEY...THIS IS GIZMO TIME Ø4Ø4L BREAK...TEXT...OVER.

5. In requesting permission to transmit, always indicate the precedence of the message to be sent. If the message is unusually long, indicate that it is; for example, "Long routine message for Harvey".

B. The Message and the Receipt

1. Procedure for the delivery of a message and for the receipting of a message will be identical with that employed on a free net. Do not use unnecessary phrases.

Voice Procedure - General Instructions

(1) Be alert to answer your individual station call or any collective call which includes your station.

(2) Each station should be alert to inform the control station when he is able to communicate with a station which another station is trying unsuccessfully to contact. Such occasions will frequently arise with equipment which is limited in range.

(3) Be completely familiar with all the calls on your circuit.

(4) Answer in alphabetical order. Receipt promptly and in alphabetical order.

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(5) Use collective calls rather than numerous individual calls, when it is possible to do so.

(6) Do not employ extraneous phrases. Use procedure phrases properly.

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(7) Remember the distinction between a receipt and an acknowledgement. "Roger" is not an acknowledgement; it means, "I have received all of your last transmission". It means nothing more. The proper reply for acknowledgement is "wilco", which means, "Your last message received, understood, and where applicable will be complied with". Never use roger and wilco together. The meaning of roger is included in the meaning of wilco.

(8) Keep a complete and accurate log so that you can tell at any time what stations are active on the circuit, or how long it has been since you heard any station on the net. You may be able to effect relays between stations out of range of each other.

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COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

Page 5 - Under Priority C for "Buildings" in AGAT, ASAN and PITI Areas: Add after "incendiaries" in each of these three areas, under column 3, the words "and 100 lb. G.P. bombs".

Page 5 - Delete next to last item on page, "Grass in fields behind town of ASAN" and all that pertains to this target in columns 1 to 7 inclusive.

Page 6 - Add the following:

PRIORITY	TARGET	AIR or GUNFIRE	GRID LOCATION	DESTROY or NEUTRALIZE	CV and/or CVL	BB, CL, CA or DD
G	Sword grass in open spaces south of ASAN - ADELUP PTS.	A (with minimum expenditure of incendiaries)	Target Squares 582,583, 559;560; 561;562; 532,533, 534;535; 506,507; 508,480;481, 482,457;458 459,435;436, 415,416,417	Burn, N	CV	
G	Sword grass in open spaces east and south of AGAT Beach	A (with minimum expenditure of incendiaries)	Target Squares 396,397; 398,399, 379;380; 381;382; 363,364; 365;366;347; 348;349,350, 331,332,333	Burn, N	CV	

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Commander Task Force FIFTY-THREE.

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ADDENDA "2" TO ANNEX "D" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44.

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Page 12 Change Paragraph (19) to read:

"(19) Upon termination of the FORAGER Operation, all fire support ships will submit by letter the following report to Commander Task Force 51, via their Fire Support Group Commanders and Commander Task Force 53, with copy to Commander Task Force 56:

(a) Chronological record of events.
(b) Copy of radio log for call fires.
(c) Comments and recommendations by Commanding Officer and Gunnery Officer.
(d) Complete statistical record of fires, using the following form:

Time From	To	Target	Avg. Range	Cal. Firing	No. Rds. Allowed	No. Rds. Fired	Proj.	Fuze

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Rear Admiral, U.S. Navy,
Commander Task Force FIFTY-THREE.

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Addenda - 3 to Annex D
Opn Plan A162-44.

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SHIP	CALIBER	BOMBARDMENT AMMUNITION LOADING PER GUN	AMMUNITION ALLOWANCES PER GUN					
			W-3	W-2	W-1	W-Day to H-Hour	W-Day After H-Hour	CALL FIRES
NEW MEXICO	14"	80 HC	20	10	20	15	5	10
	14"	8 AP	2	1	2	1	1	1
	5" - 51	200 HC	30	25	40	68	12	25
	5" - 51	50 COM	13	6	13	9	3	6
PENNSYLVANIA	5" - 38	250 AAC	53	31	43	74	18	31
	5" - 25	200 AAC	30	25	30	78	12	25
CALIFORNIA	14"	30 HC	—	—	20	5	5	—
	14"	5 AP	—	—	3	1	1	—
TENNESSEE	5" - 38	130	—	—	33	63	34	—
COLORADO	16" - 45	80 HC	—	20	20	20	20	—
	16" - 45	5 - AP	—	1	1	2	1	—
	5" - 51	150 HC	—	26	28	68	28	—
	5" - 51	10 COM	—	3	2	3	2	—
	5" - 25	150 AAC	—	26	28	68	28	—
IDAHO	14"	80 HC	—	20	20	15	10	15
	14"	8 AP	—	2	2	2	1	1
	5" - 25	200 AAC	—	30	30	78	26	36

SHIP	CALIBER	BOMBARDMENT AMMUNITION LOADING PER GUN	AMMUNITION ALLOWANCES PER GUN					
			W-3	W-2	W-1	W-Day to H-Hour	W-Day After H-Hour	CALL FIRES
HONOLULU ST. LOUIS	6" - 47	180 HC	25	25	25	40	35	30
	6" - 47	13 AP	2	2	2	3	3	1
	5" - 25	200 AAC	18	18	28	74	30	32
	5" - 38	250 AAC	25	25	25	80	45	50
2 Cruisers CRUDIV 6 Designated By COMCRUDIV 6	8" - 55	90-100 HC	—	20	20	15	15	20
	8" - 55	10 AP	—	2	2	2	2	2
	5" - 25	125 AAC	—	17	17	62	12	17
	5" - 38	200 AAC	—	34	34	64	34	34
2 Cruisers CRUDIV 6 (Both 5"-25) Designated By COMCRU DIV 6	8" - 55	90-100 HC	—	18	18	18	18	18
	8" - 55	10 AP	—	2	2	2	2	2
	5" - 25	125 AAC	—	15	15	62	15	18
DD's Assigned Fire Support Groups	5" - 38	200 AAC	—	—	—	130	45	25
	5" - 38	50 COM	—	—	—	18	16	16

ADDENDA No. "3" TO ANNEX "D"

TO COMMANDER, TASK FORCE 53

OPERATION PLAN No. A162-44

AMMUNITION ALLOWANCES ISLAND OF GUAM

TOP SECRET

NOTE: This Allowance Sheet supersedes "Bombardment Ammunition Allowances of Support Groups" appearing on page 13 of annex "D" to CTF-53, Op. Plan A162-44

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ANNEX "E" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A[illegible]-44

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COMMUNICATION PLAN

100. General

120. Relation of Communications to Organization

122. USF 70(A) is quoted for information and compliance: "Communication personnel must be kept informed of the current organization in order that they may man proper channels and interpret call signs properly. This is a responsibility of Commanding Officers.

300. Radio Doctrine

330. Use of Frequency Measuring Equipment

332. Transmitters shall be initially set as accurately as tactical conditions permit. Calibration on all frequencies likely to be employed shall be accomplished on all appropriate transmitters while in port. If, while at sea during radio silence, a transmitter must be set on a new frequency, the calibration settings alone must suffice initially. Final adjustments and tuning with the frequency meter will be accomplished only when it becomes necessary to actually transmit.

350. Authentication of Radio Transmissions

352. Operators must be alert to detect deception. In particular they should note and report the appropriating of their own call signs. An operator shall immediately report to an officer any suspicious occurence on his circuit.

353. Correct authenticators must be used. Receiving stations cannot assume that the transmitting station has made an error in use of the authenticator. Transmitting stations will expeditiously reply to requests for proper authentication.

1000. General Instructions

(A) Communications in accordance with USF 70(A), PacSupp, and CentComTWO as modified below.

(B) This plan consists of this section and the following appendices:

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ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (Continued)

Appendix 1. Frequency Plans:

A. General
B. Movement
C. Ship-Shore
D. Consolidation

Enclosures: A. Shackle Codes
B. Voice Procedure, as modified by Commander Task Force 53
C. Frequency Diagrams
(1) Control Vessel Circuits
(2) Boat Control Circuits for a Regimental Beach.
(3) SCR 608/610 nets
D. Pacific Ocean Area Standard Air Raid Signals

Appendix 2. Call Signs:

A. Task Force Organization
B. Ship's Calls
C. Special Calls
D. Boat and Beach Calls
E. Administrative Calls
F. Aircraft Calls
G. Major Landing Force
H. Master Decode

Enclosure: A. Voice Call Sign Cards

1120. Effective Date

This plan is effective on receipt for training and calibration of equipment. For operational purposes it is effective concurrently with Commander Task Force FIFTY-THREE Operation Plan No. A162-44.

1130. Time of Origin

1131. (a) Zone zero (designating letter ZEBRA) shall be used in the headings of non-operational dispatches or when any addressee is outside the immediate vicinity of the objective.

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(B) During the Assault Phase, however, Local Time (operations time) suffixed by the zone designating letter shall be used in both headings and texts in dispatches between activities in the immediate vicinity of the objective. This time is zone minus ten (designating letter KING).

(C) When necessary to use GCT in the heading or text of a dispatch sent on intra-force circuits, the suffix letter ZEBRA shall be placed after the GCT time.

1132. Communication Instructions, 1944, paragraph 2038, is quoted for compliance:

"References in message texts are, for security reasons, to be avoided unless essential to brevity and clarity".

1160. Encryption of Dispatches

1161. Except in emergencies, transmissions of important numerals on voice nets normally will be encrypted in the Shackle Code. See paragraph 6110 also.

1162. It is essential that the senior cryptographic ship in company recognize its responsibilities. Key communication department personnel must be furnished up to date lists of ships for which they are crypto guard.

1163. Substitute voice call signs in text of plain language messages for names of ships and organizations.

2100. Radio Discipline

2101. Speed of Transmission

Radio operators must transmit CW clearly, at not more than 10 words per minute. Receiving stations must get the entire message on the first transmission. Operators must be made to realize that the RPT is just what the enemy wants. It retards our progress, and slows up the circuit.

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2102. Circuit Discipline

Net control is vital to successful communications.

It is imperative that communication officers constantly supervise and use their best operators on nets which they control. Nets are designated initially as Controlled Nets and become Free Nets only when specifically directed by the Net Control Station.

2120. Maintain complete radio silence on frequencies below thirty (30) mcs after departure from initial assembly ports. Make minimum use of SCR-608/610 channels above thirty (30) megacycles, and use them only when visual signaling will not suffice. Do not use SCR-608/610 equipments near mid-day (1100-1400 local time) unless necessary.

2130. Conditions of Radar Silence

In conjunction with article 2130 of CentComTWO, the following conditions of radar silence may be prescribed by the O.T.C. to assist in avoiding possible enemy detection and direction finding:

Condition Able - All radar transmitters silent.

Condition Baker - Air search and fire control radar transmitters silent, except SM and Mark 8 type of "S"-band radars. Surface search type radars may be operated.

Condition Charlie - Air search radar transmitters silent, except SM type of "S"-band radars. All fire control and surface search types may be operated.

Condition Dog - Condition Baker, modified by prescribed intermittent operation of air search type "P"-band radars by designated ships.

Condition Easy - Condition Charlie, modified by prescribed intermittent operation of air search type "P"-band radars by designated ships.

Condition Fox - All types of radars may be operated.

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NOTE: The operation of air search radars under any of the above conditions of radar silence shall be exercised in accordance with Guardship and Air Search Doctrines in USF 10(A), unless otherwise directed by O.T.C. Attention is particularly invited to article 6241(a) of USF 10(A). Ships shall be prepared to operate their radars on short notice regardless of the condition of radar silence currently in effect. Also see paragraph 7340 concerning Radar Guardship Sectors.

Type Radars by Bands

"S"-band			"L"-band	"P"-band
SE	SL	Mark 8 (FH)	Mark 3 (FC)	CXAM
SF	SM	Mark 9	Mark 4 (FD)	SA
SG	SN	Mark 10	Mark 12	SC
SH	SO	Mark 11		SD
SJ	SQ	Mark 19		SK

2132. Radar Jamming and Deception by the Enemy

Personnel must be prepared to expect the use of jamming and deception tactics by the enemy against our radars at any time. Lately, the Jap has dropped reflectors of various types and designs which produce false echoes or obscure the real targets in a particular sector. One common type of reflector is known as "window".

Things to remember: (next page)

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Things to remember:

(1) If the enemy uses "window" or jamming, no matter how severe it may appear, KEEP WORKING YOUR RADAR!
(2) Report the situation to Radar Control, keeping in mind the possibility of unintentional interference from other radars.
(3) Continue antenna rotation, and be alert for attacks from the edges of the affected area or from other bearings.
(4) "Window" is not a curtain, therefore targets can be detected all around and sometimes even within the affected area.

(5) Our most effective defense is alert, determined operators who know their business.

2153. TBS Discipline

The TBS tactical circuit is for the use of and is controlled by the O.T.C. in maneuvering his command and broadcasting emergency warnings when visual means are inappropriate. The large number of stations on this net prohibits its use for any other purpose. Subordinate commanders within TBS range (about 35 miles) will not use the TBS except to make operational reports to the O.T.C., or in an emergency. TBS will be operated with the standby-operation feature energized during underway periods.

2154. In order to allow for a maximum amount of useful transmissions on voice nets, it is mandatory that officers and men using voice circuits thoroughly know and use the procedure laid down in Appendix "5" to Annex "D" to Commander Task Force FIFTY-THREE Training Order No. A151-44, a copy of which is attached to this plan as Enclosure "B".

2200. Radio Frequency Plans

USE LOW TRANSMITTER POWER AND LOOSE ANTENNA COUPLING.

2217. Aircraft Frequencies

Communication Instructions for Support Aircraft, Combat

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Air Patrol and Anti-submarine Patrol are given in Appendix "8" to Annex "F" to Commander Task Force FIFTY-ONE Operation Plan A10-44. Escort vessels are directed to refer to these instructions for information concerning use of the Local Air Warning primary and secondary frequencies.

2500. The CW combat calls, 2500 (D)(3) of CentComTWO, are for use during the assault phase only and must not be continued during subsequent consolidation operations. These calls are not enciphered and their continued use enables the enemy listening at a distance to discover all units present in the theater with comparative ease. At other times use enciphered radio calls as prescribed in U.S. Navy Radio Call Sign Book.

3121. Night Signalling

The newly issued "binocular blinker tube" should be substituted for standard rifle type tubes and multi-purpose lamps in night signalling. All flashing light communications must be terminated at sunset except as provided for in CentCom TWO, paragraph 3120.

3211. Sectors of Visual Responsibility

Sectors and channels of visual responsibility are graphically illustrated in charts of dispositions accompanying the cruising instructions (Annex "A" to my Movement Order A163-44) and must be rigidly adhered to. Attention is called to use of prosign "QNL", meaning "Relay to addressee for whom you are responsible".

4100. Underwater Sound

Surface ships entering areas where friendly submarines are operating, or are conducting lifeguard services, will broadcast effective recognition signals taken from SP 02241 every five (5) minutes on their sound gear, and break off any attack on submarine if correct reply is received. Failure to receive a correct reply does not verify the enemy nature of the submarine contact, as the submarine sound gear may be damaged. On any contacts inside areas where friendly submarines are permitted to operate, depth charges will be set to explode at depth of not greater than 150 feet. Friendly submarines will have orders to avoid detection, but if detected will go to depths greater than 200 feet.

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4400. Mail

4421. Guard Mail schedules at the objective will be set up as soon as possible. This method of message delivery must be fully utilized in order to avoid overload of visual and radio facilities.

5000. Recognition

5211. Small Boat Recognition Signals

The following recognition signals are given to insure proper control of night small boat traffic. All challenges and replies will be made by rapid flashes. Signals become operative Dog day. If there is reason to believe that the signals have been compromised report this fact at once to the Force Commander and recognition signals will then be issued daily. Ships, Boat Pool Commanders and other organizations despatching small boats will retain this master list and issue signals to small boats daily. These signals change at 0001 GCT time and date.

	CHALLENGE		REPLY		PASSWORD	
Day of Month	Flashes	Repeated	Flashes	Repeated	Challenge	Password Reply
1st	4	1	2	2	Gallant	Fortified
2nd	2	3	3	4	Knowledge	Snowball
3rd	1	4	4	1	Overturn	Fencepost
4th	4	1	2	4	Profit	Marble
5th	3	2	2	2	Salt	Minstrel
6th	2	4	1	1	Squaw	Poll-tax
7th	1	3	4	3	Fraternal	Portrait
8th	1	2	3	2	Intolerant	Rehearse
9th	4	4	2	1	Roman	Dividend
10th	3	1	4	2	Mummy	Festival
11th	1	3	1	4	Tadpole	Flashlight
12th	2	2	1	4	Windlass	Garment
13th	4	2	2	3	Resist	Trouble
14th	3	1	4	2	Greet	Veteran
15th	4	4	3	1	Interest	Painting
16th	2	1	4	3	Prosecute	Trickle
17th	4	3	2	4	Publish	Fingerprint
18th	4	2	1	1	Parrot	Fisherman

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Day of Month	CHALLENGE Flashes	CHALLENGE Repeated	REPLY Flashes	REPLY Repeated	PASSWORD Challenge	PASSWORD Password Reply
19th	1	4	2	2	Heredity	Embrace
20th	3	2	4	2	Magpie	Chicken
21st	2	4	3	1	Memory	Asparagus
22nd	3	2	1	4	Nickname	Canvas
23rd	1	3	2	3	Outboard	Crayon
24th	3	2	2	3	Plague	Descendant
25th	4	4	3	2	Speech	Shawl
26th	2	2	2	1	Supply	Tramp
27th	3	2	3	4	Manage	Television
28th	1	4	2	2	Reception	Shabbiness
29th	2	1	4	1	Chevalier	Recovery
30th	4	3	1	3	Conduct	Nitrate
31st	2	2	2	2	Gelatine	Herring

Example of use of Small Boat Recognition Signals:

Assume Dog Day to be the 10th of the month. One of our small boats on that date encounters a strange small craft and wishes to determine whether he is friend or foe. He sends one series of three rapid flashes. The proper reply would be two series of four rapid flashes. Upon drawing nearer, one boat may challenge another by voice by calling out "Mummy". The reply would be "Festival".

5435. Conditions of IFF Silence:

Operation of IFF equipment shall be in accordance with section 5400 of CentComTWO. To assist in avoiding enemy detection and excessive interference within own forces, the O.T.C. may prescribe conditions of IFF silence in accordance with article 6552 of USF 10(A), modified as follows:

(1) Under Conditions 2 and 3 - Identification guardships shall energize their BK-transpondors only when identifying their own forces to a surface contact. BK-transpondors shall be turned off as soon as identification is completed, unless otherwise directed by O.T.C.

NOTE: Transpondors refer to BK equipment. Interrogator/respondors refer to BL-BN equipment.

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ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (Continued)

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6000. Codes and Ciphers

6100. General Instructions.

(A) Vessels will draw their proper allowance of publications (including ROB) as set forth in RPS 6(A) and CentComTWO, Annex "F", from a local sub-issuing office. At Guadalcanal the local sub-issuing office is aboard the U.S.S. WHITNEY, currently anchored in Purvis Bay.

(B) Prior to departure from final staging area, vessels unable to comply with above will notify Commander Task Force FIFTY-THREE.

(C) The RPS Officer of Commander Task Force 53 has aboard the Flagship a limited number of amphibious publications for emergency issue to vessels unable to contact the sub-issuing office.

(D) Officers drawing publications or messages from Commander Task Force 53 must have proper authorization from their commanding officer.

6110. (a) The Shackle cipher should not be used on emergency turns.

(b) The Shackle cipher should not be used in lifeguard communications except when discussing operations scheduled for some future time or when time consumed in communications is of no material consequence. The Shackle cipher changes at 1201 GCT time and date.

For example:
If local time zone is minus 10 at 2200 K, Thursday, 1 June, change Shackle to that derived from key word for first day of month; or again:

If local time zone is minus 11, at 2300 L, Thursday, 25 May, change Shackle to that derived from key word for 25th day of month.

6120. The Task Force Commander's Communication Office retains on file available to all ships (*) of the force, spare decoded copies of the following general messages received subsequent to 1 May, 1944:

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(a) Alcoms
(b) Alnavs
(c) AlPacs
(d) Pacflts
(e) U.S. Flts
(f) CenPacFor - 5th Fleet - TF51
(g) Queens for the following areas:
(1) QF
(2) QM
(3) QP

(*) Ships in Tractor Group THREE and FOUR will draw their copies direct from Commander LST Flotilla FIVE.

6600. Crypto Channels

Channel	Short Title	LST	LCI(L)	YMS	SC	AN	ARL	ARS	XAP	XAK
106	CSP 1039/40			X	X	X	X	X	X	X
107	CSP 1605			X	X	X	X	X	X	X
109	CSP 1409/10(**)	X	X	X	X	X	X	X	X	X
110	CSP 1607	X	X	X	X	X	X	X	X	X
135	CSP 1403/04			X	X	X	X	X	X	X
136	CSP 1405/06			X	X	X	X	X	X	X
143	CSP 1286	X	X	X	X	X	X	X	X	X
144	CSP 1270	X	X	X	X	X	X	X	X	X
146	CSP 1683 (*)	X	X	X	X	X	X	X	X	X
171	CSP 1525/26	X	X	X	X	X	X	X	X	X
174	CSP 1528 (*)	X	X	X	X	X	X	X	X	X
181	CSP 1145/46	X	X	X	X	X	X	X	X	X
Joint Assault Code	CCBP 0130-D1	X	X	X	X	X	X	X	X	X

(*) These two channels will be used as the primary and secondary cryptographic systems for joint tactical communications during exercises. During Operations these two channels will be replaced by CCBP 0130-D1 and CSP 1607.

(**) Being distributed to all Class 2 holders in Pacific. Hold ROB until ordered to place in effect.

7340. Designating Sectors of Radar Guard Responsibility

Sectors of radar guard responsibility may be designated by the O.T.C. as follows:

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THREE-WAY SECTORS

Sector Able	350° to 130°
Sector Baker	110° to 250°
Sector Charlie	230° to 010°
Sector Dog	290° to 070°
Sector Easy	050° to 190°
Sector Fox	170° to 310°

SINGLE SECTOR

Sector Oboe	Entire 360

FOUR-WAY SECTOR

Sector George	350° to 100°
Sector How	080° to 190°
Sector Item	170° to 280°
Sector Jig	260° to 010°

TWO-WAY SECTORS

Sector King	260° to 100°
Sector Love	080° to 280°
Sector Mike	350° to 190°
Sector Nan	170° to 010°

Unless otherwise noted, these sectors will be relative to the axis when underway and true north when anchored.

R. L. CONOLLY,
Rear Admiral, U.S. Navy,
Commander Task Force FIFTY-THREE.

DISTRIBUTION:

Same as CTF 53 OPERATION PLAN A162-44 plus:

COMTRANSGRP THIRDPHIB(SPARES)	20	PRES. MONROE	2
COM LST FLOT 5 (SPARES)	10	TITANIA	2
COMTRANSGRP 3, 5TH PHIB(SPARES)	10	ZIELIN	2
COMTRANSDIV-2	3	ORMSBY	2
COMTRANSDIV-4	1	GEORGE CLYMER	1
COMTRANSDIV-6	3	PRES. POLK	2
COMTRANSDIV-8	3	VIRGO	2
COMBATDIV-3	1	FAYETTE	2
COMCRUDIV-6	1	HARRY LEE	2
COMCRUDIV-9	1	W.P. BIDDLE	2
COMCRUDIV-12	1	LEEDSTOWN	2
COMCARDIV-22	2	CENTAURUS	2
COMCARDIV-24	2	CRESCENT CITY	2
COMCORTDIV-11	1	WARREN	2
PRES. JACKSON	2	WINDSOR	2
PRES. ADAMS	2	[illegible]	2
PRES. HAYES	2	LIBRA	2

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DISTRIBUTION: (Continued)

DUPAGE	2	DASHIELL	2
ELMORE	2	HALFORD	2
WAYNE	2	GUEST	2
RIXEY	2	BENNETT	2
AQUARIUS	2	FULLAM	2
NEW MEXICO	3	HUDSON	2
IDAHO	3	ANTHONY	2
PENNSYLVANIA	3	WADSWORTH	1
WICHITA	3	TERRY	2
MINNEAPOLIS	3	BRAINE	2
NEW ORLEANS	3	HAGGARD	2
SAN FRANCISCO	3	FRANKS	2
HONOLULU	3	HAILEY	2
ST. LOUIS	3	JOHNSTON	2
SANGAMON	6	ERBEN	2
SUWANNEE	6	WALKER	2
CHENANGO	6	HALE	2
SANTEE	3	ABBOT	2
CORAL SEA	6	STEMBEL	2
CORREGIDOR	6	BULLARD	2
PHELPS	2	KIDD	2
SHAW	2	BLACK	2
COLAHAN	2	CHAUNCEY	2
DEWEY	2	WILLIAMSON	2
HULL	2	DENT	2
MACDONOUGH	2	TALBOT	2
FARRAGUT	2	SHELDRAKE	1
MONAGHAN	2	SKYLARK	1
DALE	2	SWALLOW	1
AYLWIN	2	STARLING	1
JOHN RODGERS	2	HOPKINS	1
STEVENS	2	PERRY	1
HARRISON	2	HAMILTON	1
McKEE	2	LONG	1
MURRAY	2	HOGAN	1
RINGGOLD	2	STANSBURY	1
SCHROEDER	1	LEVY	2
SIGSBEE	1	McCONNELL	2

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DISTRIBUTION: (Continued)

OSTERHAUS	2
PARKS	2
BARON	2
ACREE	2

LST's 476, 477, 478, 479, 481, 482, 78, 241, 243, 38, 122, 221, 270, 449, 207, 343, 399, 488, 70, 123, 125, 41, 276, 227, 117, 118, 219, 220, 247, 269, 446, 447, 119, 213, 19, 272 _____ (1 each)

S. H. HAHN
Flag Secretary

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APPENDIX "1" TO ANNEX "E" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN A162-44

A. General Instructions

1. In case of failure of communications on any net, any other net(s) guarded by addressees may be used to clear important traffic. Normally, however, to insure a reasonably even distribution of traffic and to insure most rapid delivery to action officers, nets should be employed for specific types of traffic as prescribed in detailed frequency plans.

2. Nets may be split phoned as necessary during cruising in conditions 2 and 3. This and other relief measures should be employed to give adequate rest to operators and to lessen errors due to fatigue.

3. Task Group Commanders, Task Unit Commanders and Commanding Officers will guard NPM Fox, special frequencies required by CentComTWO, and frequencies as assigned them in the attached frequency plans and diagrams. If additional personnel and equipment are available, additional circuits may be guarded as desired, and may be used to clear essential traffic.

4. Whenever possible SCR-608 and SCR-610 equipment will be powered by storage batteries instead of dry batteries in order to preserve the latter.

5. AM's and YMS's may utilize type MN equipment for the establishment of an additional common net if and as desired (see paragraph 3).

6. For call sign purposes the following designations in Annex "B", part two of CentComTWO correspond to designations listed in FTP-211 as follows:

FTP-211		CentComTWO
Control vessels	corresponds	TransGrp Control Officer
SC's on line of departure	"	Control Officer Beaches

7. It is desired that all necessary communication and radio personnel become thoroughly familiar with this Annex and related information; and that copies or excerpts be made available to those who need to know.

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8. While at Staging Area Bases, the Task Force Commander will supervise radio dispatch communications to prevent disclosure of prospective operations by traffic analysis. Dispatches of sufficient importance to warrant transmission by radio must be cleared through CTF 53, or in his absence, other responsible commanders, and then sent ashore by boat for filing at local shore radio station. This traffic must be held to an absolute minimum and should be of deferred precedence with codress type heading and shore station call in the call-up. Do not use indefinite or enciphered calls as originator. When filed, the message should consist of two copies of the code with the translation in a sealed envelope available if services are requested.

9. Commander Task Force 53 will assume NPM primary Fox guard (for all vessels except battleships, carriers, and cruisers) from HOW minus two hours until six hours prior to a vessel's departure from the island objective. Messages of primary importance will be delivered over local Force Fox or other appropriate method. Others via guard mail or despatch boat. Complete Fox logs (commencing WILLIAM DAY) can be obtained aboard the Flagship.

10. All flag officers plus Commander Northern and Southern Transport Groups will guard the Jump Fox and Task Force Commanders 5th Fleet circuit (4420 kcs).

11. Commander Task Force 53 in APPALACHIAN will guard following for ships in company:

500 kcs - 3000 kcs - 4235 kcs

12. CTF 53 will act as relay for traffic destined outside this force. Ships in company pass such traffic to CTF 53 via visual or despatch boat.

13. During night retirement all circuits will continue to be manned, using split-phone and speaker watches whenever possible in order to conserve personnel. Circuits will not be secured except on direction of the net control station. The Transport Division ship-shore administrative net will be operated as a CW net upon withdrawal of transports at night. During night retirements radio silence will normally be observed.

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14. Frequency Plan "A" consisting of the following list of nets, with instructions, will be guarded as indicated therein; and as further amplified by frequency plans "B", "C", AND "D" for specific conditions.

15. Frequency plan B-1, B-2, B-3 indicate movement nets and are effective concurrently with CTF 53 Movement Order A163-44.

16. Frequency plan C, plus Enclosure (C) of Appendix 3, to Annex "E", indicate Ship-Shore Nets and are effective as listed in Frequency Plan "A".

17. Frequency Plan D indicates the consolidation phase Nets and will become effective when directed.

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FREQUENCY PLAN "A"

APPENDIX "1" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

NET	NAME	FREQUENCY	V or CW	SET WATCH	NET DESCRIPTION
A	Force Fox	469 (P)	(CW)	H-6 Hours	Task Force 53 local Fox circuit. Primary method of transmitting CW messages to all hands. Messages will be numbered consecutively. All vessels will keep complete number series on board. Both Northern and Southern Attack Group Commanders will broadcast on this schedule. All ships will guard the Force Fox. When equipment limitations make guard impossible ships will request guard be taken for them by their unit or group commanders. Initial guard assignments are outlined below. Unless otherwise directed, establish continuous watch on Task Force Fox (469 kcs) at H-6 Hours. However, be prepared to establish watch as directed by signal via visual or VHF channels.

Initial FOX Guardships

(1) TransGrp Control Officer North: For PC's and SC's North.
(2) TransGrp Control Officer South: For PC's and SC's South.
(3) Commander LCI Unit North: For LCI's North.
(4) Commander LCI Unit South: For LCI's South.
(5) Commander Mine Sweep and Hydrographic Unit North: For YMS's North.
(6) Commander Mine Sweep and Hydrographic Unit South: For YMS's South.
(7) Commander Salvage and Service Unit North: For all Salvage and Service Units North.
(8) Commander Salvage and Service Unit South: For all Salvage and Service Units South.

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[redacted] FREQUENCY PLAN "A"

APPENDIX "1" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

NET	NAME	FREQUENCY	V or CW	SET WATCH	NET DESCRIPTION
I	TransDiv ship-shore administative (MF).		(V)	Upon arrival in Transport Area.	Operational and administrative traffic from Shore Party Commanders and Beachmasters to Transport Divisions. Boat Control traffic will not be handled on this net.
	TD 2	2130 (P) 2716 (S)			
	TD 4	2110 (P) 2716 (S)			
	TD 6	2530 (P) 2716 (S)			
	TD 8	2698 (P) 2716 (S)			
	TD 24	2196 (P) 2716 (S)			
J	TransDiv Boat Control (FM)		(V)	Upon arrival in Transport Area.	This circuit serves Beachmasters, Control Vessels, transports and traffic control boats for the regulation of boat traffic. Traffic concerning material and supplies will normally not be handled on this net but will be sent on Net "I".
	TD 2	37.9 mcs (P) 33.2 " (S)			
	TD 4	35.9 " (P) 33.2 " (S)			
	TD 6	34.5 " (P) 33.2 " (S)			
	TD 8	37.1 " (P) 33.2 " (S)			
	TD 24	31.1 " (P) 33.2 " (S)			
K	SP, SPC, & BM (SCR-536 Net)		(V)	As soon as set up on beach.	A separate frequency for each beach provides "walkie-talkie" communications between the Shore Party Commander, Beachmaster and Shore Party Message Center (SCR-536). Radios are provided by JASCO.
	TD 2 beaches	4280			
	TD 4 beaches	4035			
	TD 6 beaches	3885			
	TD 8 beaches	3885			

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APPENDIX "1" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

NET	NAME	FREQUENCY	V or CW	SET WATCH	NET DESCRIPTION
B	Pacific Harbor Circuit and Warning.	2716	(V)	When directed by SOPA.	See paragraph A10, Annex "A", CentComTWO.
C	TBS Maneuvering	72.10(P) 72.50(S) (mcs.)	(CW)	Four hours Prior Sortie.	For the use of the O.T.C. in maneuvering his force and the broadcast of warnings. Operational traffic of administrative nature will not be transmitted on this circuit.
D	Task Group Commanders	2170 (P) 3705 (S)	(CW)	H-6 Hours	For operational and tactical traffic between the Attack Group Commanders and Subordinate Commanders. Normally traffic on this circuit will be encrypted and sent receipt method.
E	Local Command (FM)	31.6 mcs.	(V)	H-6 Hours	Rapid high precedence traffic of appropriate classification between Attack Force Commander and designated group and unit commanders.
F	Area Warning/H.K. Emergency Maneuvering.	3115 (P) 3355 (S)	(V)	Four Hours prior sortie.	Broadcast of warnings, information and orders by Attack Group Commanders and relay of important operational traffic. A/S and Hunter Killer planes will use this frequency unless directed to shift to the secondary by Commander Support Aircraft.
G	H.F. Air Warning	3000 (P) 3355 (S)	(CW)	Four hours prior sortie.	For the rebroadcast of warnings received over local circuits so as to warn all Attack Force Commanders and detached units of the Expeditionary Force.
H	Fleet VHF Common (FM)	34.8 mcs.	(V)	Continuously	During assault phase this is the transport Common for rapid handling of high precedence traffic of appropriate classification between Transport Division Commanders and Transports. During cruising and consolidation phase all ships having type SCR-608/610 equipment will guard this frequency. It is the fleet VHF Common.

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[redacted] FREQUENCY ASSIGNMENT

APPENDIX "1" TO ANNEX "E" TO COMMANDER TASK FORCE [redacted] PLAN NO. A162-44. (CONTINUED)

NET	NAME	FREQUENCY	V or CW	SET WATCH	NET DESCRIPTION
S	LST Common (FM) North Group South Group	 34.0 mcs (P) 35.6 " (S) 35.6 " (P) 34.0 " (S)	(V)	H-2 Hours	VHF which parallels Net "R" and gives each LST group a separate circuit.
T	LCI Common	2796 (P)	(V)	H-2 Hours	For coordination of activities of LCI's; a channel for commander of LCI's to issue directives to vessels under his command.
U	LCI Control	38.7 mcs.	(V)	H-2 Hours	VHF closely paralleling above circuit. During ship-shore movement it is controlled by Commander Transport Group for quick coordination of Control vessel activities and close-in LCI gunfire support.
V	Naval Gunfire Support Common.	3905 North 4010 South	(V)	In accordance Naval Gunfire Plan.	For control of Naval Gunfire Support; reports of missions and commands to firing ships; and for communications with Seaplane Reservicing Vessels. Also for use of Bombardment Group Commander for control of pre-W-day bombardments.
W	Naval Gunfire Spotting.	4680 4545 5755 5070 5240 4865 4950 4280 5380	(V)	Same as above.	NLO's and SFC's transmit spotting information to firing ship currently assigned them.

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[redacted] FREQUENCY PLAN "A"

APPENDIX "1" TO ANNEX "E" TO COMMANDER TASK FORCE [redacted] OPERATION PLAN NO. A162-44. (CONTINUED)

NET	NAME	FREQUENCY	V or CW	SET WATCH	NET DESCRIPTION
L	TransDiv LVT(2) Common. TD 2 TD 4 TD 6 TD 8 TD 24	 6175 6485 6990 6765 7465	(V)	Upon debarking from LST's and LSD's.	This net is provided for the control of LVT(2) waves during their movement to and return from beaches.
M	Control, Salvage & Demolition Units. (SCR-536 Net).	5500 North 5327.5 South	(V)	H-Hour.	A common frequency for each Transport Group provides communications between Beachmasters, Salvage Boats, Traffic Control Boats, Demolition Parties and Control Vessels for the expeditious handling of salvage and local traffic problems adjacent to the beaches and inter-communications between Beachmasters (SCR-536). Radios are provided by Transports.
N	LVT(A) Common Company "A" Company "B" Company "C" Company "D"	 6250 9190 6730 9270	(V)	Upon Direction LVT(A) Bn. Commander.	Command and maneuvering of LVT(A)'s. The Battalion Commander or his representative may be embarked in control boats or control vessels equipped with the necessary apparatus (TCS) for control communications.
P	Mine & Slavage Common (MF).	2716 (P) 2670 (S)	(V)	H-2 Hours.	For coordination of minesweeping and salvage work; for issuing orders to and receiving reports from this group by Attack Group Commander.
Q	Control, Mine, & Salvage Common (FM).	33.2 mcs.	(V)	H-2 Hours.	VHF circuit which parallels net "P" and gives added security to transmissions. In addition it serves as the control vessel common during ship-shore movement; and finally becomes the boat common during consolidation phase.
R	LST Common (MF)	2366 (P) 2796 (S)	(V)	H-2 Hours.	For coordination of activitics of LST's. A circuit for commander of LST's to issue directives to vessels under his command.

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FREQUENCY CHART
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APPENDIX "1" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY THREE OPERATION PLAN NO. A162-44. (CONTINUED)

NET	NAME	FREQUENCY	V or CW	SET WATCH	NET DESCRIPTION
X	Naval Gunfire Air Spotting. USS PENNSYLVANIA USS NEW MEXICO USS IDAHO USS MINNEAPOLIS USS WICHITA USS ST LOUIS USS HONOLULU USS NEW ORLEANS USS SAN FRANCISCO	 6270 6925 6750 3375 3265 3255 7165 3440 3565	(V)	In accordance Naval Gunfire Plan.	For communications between spotting plane and firing unit. If possible SFC's may come up on this net.
Y	SAO (3rd MarDiv) SAO (1st Prov. Brigade)	3280 3175	(V)	In accordance Air Sup.Plan.	For the purpose of presenting an overall up-to-the-minute picture of the ground situation, as it looks from the air.
Z	SAR	3820	(V)	Same as above.	Requests are made by Commander Support Air to the Carrier Group for planes. Air Liaison Parties request support and give information to CSA.
AA	SAD	5135	(V)	Same as above.	Communications for the direction of planes on station over the attack force or land objective.
AB	SAD (Emergency)	140.48 mcs.	(V)	Same.	Emergency and overload frequency for net AA.
AC	SAR (Land Based)	(A) 3710 (B) 7135 (C) 11130 (D) 13170	(V)	Same as above.	Support requests are made on this net to land bases.
AD	Fighter Director and CAP.	6335 (P)	(V)	Same as above.	For direction of VF planes and communications with CAP planes.
AE	Inter-Fighter Director Net.	37.6 mcs.	(V)	Same as above.	Coordination and exchange of information between fighter directors.

DECLASSIFIED

DECLASSIFIED

APPENDIX "1" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

NET	NAME	FREQUENCY	V or CW	SET WATCH	NET DESCRIPTION
AF	Radar Telling	2874 kcs.	(V)	In accordance Air Support Plan.	For the purpose of transmitting radar intelligence from one base to another.
AG	Shore Party Lateral (3rd MarDiv).	2232	(V)	When set up on shore.	To provide communication between Shore Party Commanders and Landing Force Headquarters (while afloat).
AH	Shore Party Lateral (1st Prov. Brigade)	2276 kcs.	(V)	When set up on shore.	Same as Net AG.

DECLASSIFIED

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CLASSIFIED

1st SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	Y	C	W
ØØ	H	P	F
5	Z	A	X
1	D	Q	G
2	J	T	
3	E	R	
4	K	S	
6	L	U	
7	M	N	
8	I	V	
9	O	B	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-5	N-7
B-9	O-9
C-Ø	P-ØØ
D-1	Q-1
E-3	R-3
F-ØØ	S-4
G-1	T-2
H-ØØ	U-6
I-8	V-8
J-2	W-Ø
K-4	X-5
L-6	Y-Ø
M-7	Z-5

2nd SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	E	M	B
ØØ	Y	G	W
5	F	N	D
1	Z	A	X
2	O	Q	
3	J	P	
4	R	S	
6	K	I	
7	T	U	
8	L	C	
9	H	V	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-1	N-5
B-Ø	O-2
C-8	P-3
D-5	Q-2
E-Ø	R-4
F-5	S-4
G-ØØ	T-7
H-9	U-7
I-6	V-9
J-3	W-ØØ
K-6	X-1
L-8	Y-ØØ
M-Ø	Z-1

5th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	F	Q	L
ØØ	Z	E	X
5	U	R	D
1	G	A	Y
2	N	S	
3	J	C	
4	I	T	
6	K	H	
7	M	V	
8	O	B	
9	P	W	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-1	N-2
B-8	O-8
C-3	P-9
D-5	Q-Ø
E-ØØ	R-5
F-Ø	S-2
G-1	T-4
H-6	U-5
I-4	V-7
J-3	W-9
K-6	X-ØØ
L-Ø	Y-1
M-7	Z-ØØ

CLASSIFIED

6th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	W	R	T
ØØ	F	N	D
5	X	I	V
1	G	O	E
2	Y	L	
3	H	P	
4	[illegible]	M	
6	C	Q	
7	J	A	
8	U	S	
9	K	[illegible]	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-7	N-ØØ
B-9	O-1
C-6	P-3
D-ØØ	Q-6
E-1	R-Ø
F-ØØ	S-8
G-1	T-Ø
H-3	U-8
I-5	V-5
J-7	W-Ø
K-9	X-[illegible]
L-2	Y-[illegible]
M-4	

3rd SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	X	D	V
ØØ	B	J	T
5	Y	E	W
1	C	K	A
2	Z	M	
3	S	P	
4	F	O	
6	L	Q	
7	G	U	
8	I	R	
9	H	N	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-1	*N-9*
B-ØØ	*O-4*
C-1	*P-3*
D-Ø	*Q-6*
E-5	*R-8*
F-4	*S-3*
G-7	*T-ØØ*
H-9	*U-7*
I-8	*V-Ø*
J-ØØ	*W-5*
K-1	*X-Ø*
L-6	*Y-5*
M-2	*Z-2*

4th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	G	N	C
ØØ	X	D	V
5	I	O	F
1	Y	E	W
2	J	P	
3	Z	R	
4	B	Q	
6	K	S	
7	A	T	
8	M	H	
9	L	U	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-7	*N-Ø*
B-4	*O-5*
C-Ø	*P-2*
D-ØØ	*Q-4*
E-1	*R-3*
F-5	*S-6*
G-Ø	*T-7*
H-8	*U-9*
I-5	*V-ØØ*
J-2	*W-1*
K-6	*X-ØØ*
L-9	*Y-1*
M-8	*Z-3*

7th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	B	K	T
ØØ	W	R	S
5	D	M	E
1	X	I	V
2	F	N	
3	Y	C	
4	H	O	
6	Z	U	
7	A	P	
8	J	L	
9	G	Q	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-7	*N-2*
B-Ø	*O-4*
C-3	*P-7*
D-5	*Q-9*
E-5	*R-ØØ*
F-2	*S-ØØ*
G-9	*T-Ø*
H-4	*U-6*
I-1	*V-1*
J-8	*W-ØØ*
K-Ø	*X-1*
L-8	*Y-3*
M-5	*Z-6*

8th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	V	I	T
ØØ	B	M	D
5	W	C	U
1	F	P	A
2	X	K	
3	G	Q	
4	Y	E	
6	H	R	
7	Z	L	
8	N	S	
9	J	O	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-1	*N-8*
B-ØØ	*O-9*
C-5	*P-1*
D-ØØ	*Q-3*
E-4	*R-6*
F-1	*S-8*
G-3	*T-Ø*
H-6	*U-5*
I-Ø	*V-Ø*
J-9	*W-5*
K-2	*X-2*
L-7	*Y-4*
M-ØØ	*Z-7*

9th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	N	H	T
ØØ	V	A	S
5	B	J	O
1	W	M	U
2	D	K	
3	X	I	
4	E	L	
6	Y	F	
7	G	P	
8	Z	C	
9	R	Q	

CHANGES DAILY AT 1201 GCT

DECLASSIFIED

DECIPHER

A-ØØ	N-Ø
B-5	O-5
C-8	P-7
D-2	Q-9
E-4	R-9
F-6	S-ØØ
G-7	T-Ø
H-Ø	U-1
I-3	V-ØØ
J-5	W-1
K-2	X-3
L-4	Y-6
M-1	Z-8

10th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	V	M	D
ØØ	G	E	Y
5	O	P	F
1	H	R	Z
2	L	Q	
3	I	A	
4	U	S	
6	J	B	
7	N	W	
8	K	C	
9	T	X	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-3	N-7
B-6	O-5
C-8	P-5
D-Ø	Q-2
E-ØØ	R-1
F-5	S-4
G-ØØ	T-9
H-1	U-4
I-3	V-Ø
J-6	W-7
K-8	X-9
L-2	Y-ØØ
M-Ø	Z-1

13th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	X	D	V
ØØ	G	M	C
5	Y	R	W
1	H	N	F
2	Z	P	
3	Q	O	
4	I	L	
6	U	S	
7	J	E	
8	A	T	
9	K	B	

CHANGES DAILY AT 1201 GCT

DECLASSIFIED

DECIPHER

A-	N-
B-	O-
C-ØØ	P-2
D-Ø	Q-3
E-7	R-5
F-1	S-6
G-ØØ	T-8
H-1	U-6
I-4	V-Ø
J-7	W-5
K-9	X-Ø
L-4	Y-5
M-ØØ	Z-2

14th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	G	L	B
ØØ	X	E	V
5	H	M	F
1	Y	R	W
2	I	O	
3	Z	C	
4	U	P	
6	J	T	
7	N	Q	
8	K	A	
9	D	S	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-8	N-7
B-Ø	O-2
C-3	P-4
D-9	Q-7
E-ØØ	R-1
F-5	S-9
G-Ø	T-6
H-5	U-4
I-2	V-ØØ
J-6	W-1
K-8	X-ØØ
L-Ø	Y-1
M-5	Z-3

11th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	Y	I	W
ØØ	G	Q	C
5	Z	O	X
1	F	R	D
2	J	N	
3	A	T	
4	K	B	
6	S	U	
7	M	L	
8	H	V	
9	P	E	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-3	N-2
B-4	O-5
C-ØØ	P-9
D-1	Q-ØØ
E-9	R-1
F-1	S-6
G-ØØ	T-3
H-8	U-6
I-Ø	V-8
J-2	W-Ø
K-4	X-5
L-7	Y-Ø
M-7	Z-5

12th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	D	K	B
ØØ	X	M	V
5	F	L	C
1	Z	O	W
2	T	P	
3	G	N	
4	E	Q	
6	H	Y	
7	S	R	
8	J	A	
9	I	U	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-8	N-3
B-Ø	O-1
C-5	P-2
D-Ø	Q-4
E-4	R-7
F-5	S-7
G-3	T-2
H-6	U-9
I-9	V-ØØ
J-8	W-1
K-Ø	X-ØØ
L-5	Y-6
M-ØØ	Z-1

15th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	J	O	G
ØØ	Z	D	W
5	H	P	I
1	K	S	X
2	A	Q	
3	L	Y	
4	B	T	
6	M	C	
7	E	U	
8	N	F	
9	R	V	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-2	N-8
B-	O-
C-6	P-5
D-ØØ	Q-2
E-7	R-9
F-8	S-1
G-Ø	T-4
H-5	U-7
I-5	V-9
J-Ø	W-ØØ
K-1	X-1
L-3	Y-3
M-6	Z-ØØ

16th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	W	R	T
ØØ	C	J	A
5	X	M	U
1	D	K	B
2	Y	I	
3	F	P	
4	Z	L	
6	V	Q	
7	G	O	
8	E	S	
9	H	N	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-ØØ	N-9
B-1	O-7
C-ØØ	P-3
D-1	Q-6
E-8	R-Ø
F-3	S-8
G-7	T-Ø
H-9	U-5
I-2	V-6
J-ØØ	W-Ø
K-1	X-5
L-4	Y-2
M-5	Z-4

17th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	C	J	A
ØØ	V	R	S
5	E	K	B
1	W	M	U
2	F	L	
3	X	I	
4	G	N	
6	Z	T	
7	D	P	
8	H	Y	
9	O	Q	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-Ø N-4
B-5 O-9
C-Ø P-7
D-7 Q-9
E-5 R-ØØ
F-2 S-ØØ
G-4 T-6
H-8 U-1
I-3 V-ØØ
J-Ø W-1
K-5 X-3
L-2 Y-8
M-1 Z-6

18th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	V	L	R
Ø	C	J	E
5	W	U	S
1	D	K	B
2	X	M	
3	F	O	
4	Y	N	
6	G	P	
7	Z	A	
8	I	Q	
9	H	T	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-7 N-4
B-1 O-3
C-ØØ P-6
D-1 Q-8
E-ØØ R-Ø
F-3 S-5
G-6 T-9
H-9 U-5
I-8 V-0
J-ØØ W-5
K-1 X-2
L-Ø Y-4
M-2 Z-7

DECLASSIFIED

21st SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	X	T	V
ØØ	G	N	D
5	Z	I	W
1	P	O	F
2	H	B	
3	E	Q	
4	J	L	
6	R	S	
7	K	Y	
8	C	U	
9	M	A	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-9 N-ØØ
B-2 O-1
C-8 P-1
D-ØØ Q-3
E-3 R-6
F-1 S-6
G-ØØ T-Ø
H-2 U-8
I-5 V-Ø
J-4 W-5
K-7 X-Ø
L-4 Y-7
M-9 Z-5

22nd SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	I	J	H
ØØ	Y	S	W
5	D	K	B
1	Z	T	X
2	C	M	
3	E	R	
4	L	N	
6	F	O	
7	A	Q	
8	G	P	
9	U	V	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-7 N-4
B-5 O-6
C-2 P-8
D-5 Q-7
E-3 R-3
F-6 S-ØØ
G-8 T-1
H-Ø U-9
I-Ø V-9
J-Ø W-ØØ
K-5 X-1
L-4 Y-ØØ
M-2 Z-1

DECLASSIFIED

19th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	I	J	A
ØØ	V	C	S
5	B	K	R
1	W	T	U
2	D	L	
3	X	G	
4	F	M	
6	Y	E	
7	H	P	
8	Z	N	
9	O	Q	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-Ø	N-8
B-5	O-9
C-ØØ	P-7
D-2	Q-9
E-6	R-5
F-4	S-ØØ
G-3	T-1
H-7	U-1
I-Ø	V-ØØ
J-Ø	W-1
K-5	X-3
L-2	Y-6
M-4	Z-8

DECLASSIFIED

20th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	E	R	H
ØØ	J	B	Y
5	X	S	I
1	K	L	Z
2	P	T	
3	M	C	
4	N	U	
6	O	F	
7	D	V	
8	Q	G	
9	A	W	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-9	N-4
B-ØØ	O-6
C-3	P-2
D-7	Q-8
E-Ø	R-Ø
F-6	S-5
G-8	T-2
H-Ø	U-4
I-5	V-7
J-ØØ	W-9
K-1	X-5
L-1	Y-ØØ
M-3	Z-1

23rd SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	W	R	U
ØØ	B	K	E
5	X	O	V
1	D	M	A
2	Z	G	
3	N	P	
4	F	L	
6	I	Q	
7	H	Y	
8	T	S	
9	J	C	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-1	N-3
B-ØØ	O-5
C-9	P-3
D-1	Q-6
E-ØØ	R-Ø
F-4	S-8
G-2	T-8
H-7	U-Ø
I-6	V-5
J-9	W-Ø
K-ØØ	X-5
L-4	Y-7
M-1	Z-2

DECLASSIFIED

24th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	C	I	U
ØØ	X	E	Q
5	D	J	B
1	Y	R	V
2	F	K	
3	Z	S	
4	W	L	
6	G	P	
7	A	M	
8	H	O	
9	T	N	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-7	N-9
B-5	O-8
C-Ø	P-6
D-5	Q-ØØ
E-ØØ	R-1
F-2	S-3
G-6	T-9
H-8	U-Ø
I-Ø	V-1
J-5	W-4
K-2	X-ØØ
L-4	Y-1
M-7	Z-3

25th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	F	L	B
ØØ	Z	E	X
5	C	M	D
1	G	R	Y
2	A	P	
3	H	O	
4	N	Q	
6	I	U	
7	T	V	
8	J	S	
9	K	W	

CHANGES DAILY AT 1201 GCT

DECLASSIFIED

DECIPHER

A-2	N-4
B-Ø	O-3
C-5	P-2
D-5	Q-4
E-ØØ	R-1
F-Ø	S-8
G-1	T-7
H-3	U-6
I-6	V-7
J-8	W-9
K-9	X-ØØ
L-Ø	Y-1
M-5	Z-ØØ

26th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	V	I	S
ØØ	C	M	G
5	W	T	U
1	D	N	A
2	X	Z	
3	F	O	
4	Y	K	
6	B	P	
7	H	R	
8	L	Q	
9	J	E	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-1	N-1
B-6	O-3
C-ØØ	P-6
D-1	Q-8
E-9	R-7
F-3	S-Ø
G-ØØ	T-5
H-7	U-5
I-Ø	V-Ø
J-9	W-5
K-4	X-2
L-8	Y-4
M-ØØ	Z-2

29th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	D	K	B
ØØ	V	M	S
5	F	N	C
1	W	L	U
2	H	O	
3	X	G	
4	I	P	
6	Y	T	
7	J	Q	
8	Z	E	
9	A	R	

CHANGES DAILY AT 1201 GCT

DECLASSIFIED

DECIPHER

A-2	N-4
B-Ø	O-2
C-5	P-4
D-Ø	Q-7
E-8	R-9
F-5	S-ØØ
G-3	T-6
H-2	U-1
I-4	V-ØØ
J-7	W-1
K-Ø	X-3
L-1	Y-6
M-ØØ	Z-8

30th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	R	Q	D
ØØ	G	L	Y
5	E	S	F
1	J	T	Z
2	H	U	
3	K	O	
4	A	V	
6	M	N	
7	B	W	
8	P	C	
9	I	X	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-4	N-6
B-7	O-3
C-8	P-8
D-Ø	Q-Ø
E-5	R-Ø
F-5	S-5
G-ØØ	T-1
H-2	U-2
I-9	V-4
J-1	W-7
K-3	X-9
L-ØØ	Y-ØØ
M-6	Z-1

27th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	C	L	A
ØØ	W	R	U
5	D	M	B
1	X	E	V
2	H	P	
3	Y	I	
4	J	Q	
6	Z	N	
7	F	S	
8	K	G	
9	O	T	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-Ø B-5 C-Ø D-5 E-1 F-7 G-8 H-2 I-3 J-4 K-8 L-Ø M-5 N-6 O-9 P-2 Q-4 R-ØØ S-7 T-9 U-ØØ V-1 W-ØØ X-1 Y-3 Z-6

28th SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	V	A	S
ØØ	B	L	E
5	W	G	U
1	R	D	T
2	X	N	
3	H	P	
4	Y	I	
6	J	Q	
7	Z	F	
8	M	R	
9	K	C	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-Ø B-ØØ C-9 D-1 E-ØØ F-7 G-5 H-3 I-4 J-6 K-9 L-ØØ M-8 N-2 O-1 P-3 Q-6 R-8 S-Ø T-1 U-5 V-Ø W-5 X-2 Y-4 Z-7

DECLASSIFIED

31st SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø	Y	U	W
ØØ	H	P	F
5	Z	L	X
1	I	Q	G
2	J	T	
3	M	R	
4	K	E	
6	A	S	
7	N	B	
8	C	V	
9	O	D	

CHANGES DAILY AT 1201 GCT

DECIPHER

A-6 B-7 C-8 D-9 E-4 F-ØØ G-1 H-ØØ I-1 J-2 K-4 L-5 M-3 N-7 O-Ø P-1 R-3 S-6 T-2 U-Ø V-8 W-Ø X-5 Y-Ø Z-5

DECLASSIFIED

SHACKLE NUMERICAL CIPHER AND AUTHENTICATOR

Ø			
ØØ			
5			
1			
2			
3			
4			
6			
7			
8			
9			

CHANGES DAILY AT 1201 GCT

DECIPHER

DECLASSIFIED

APPENDIX "1" TO
ANNEX "E" TO C.T.F. 53
OPERATION PLAN NO. 162-44.

FREQ. PLAN "C"
SHIP - SHORE

NET DESIGNATION	C	D	E	F	H	I	J	K	L	M	N	P	Q	R	S	T	U	V
	TBS - MANEUVERING	TASK GROUP COMMANDERS	LOCAL COMMAND	L.A.W. - H.K. - EMERGENCY	FLEET VHF COMMON	T.D. SHIP-SHORE ADMIN	T.D. BOAT CONTROL	SP-SPC-BM	T.D. LVT-1 & 2's CONTROL	CONT. SALVAGE & DEMO.	LVT(A) COMPANY CON	MINE & SALVAGE VESS	CONT. MINE & SALVAGE	LST COMMON (MF)	LST COMMON (FM)	LCI COMMON (MF)	LCI & CONTROL (FM)	NAVAL GUNFIRE SUPPORT
PRIMARY FREQUENCIES	72.1	2170	31.6	3115	34.8	*	**	Δ	*	Δ	*	2716	33.2	2366	**	2796	38.7	*
COM NO. ATTACK GR. - C.T.F. 53	C	C	C	C	X	K	K					X	X	K	X	K	X	C
COMGEN 3rd PHIB CORPS		A	A	A	A													A
COM SO. ATTACK GR.	X	X	X	X	X	K	X					K	X	K	X	K	X	X
TRANS GROUP COMS.	X	X	X	I	C								X				C	
TRANS DIV COMS.	X	X	X	I	X	C	C											
TRANSPORTS	X			I	X	X	X											
LSD's	X			I	X		X											
TRANS SCREEN COMS.	X	X	X	X														
TRANSPORT SCREENS	X			X														
LST UNIT COMS.			X	I	X									C	C			
LST SEC. COMS.				I			X							X	X			
LST's				I										X	X			
LCI UNIT COMS.			X	I												C	X	
LCI's ①																X	X	
F. S. GROUP COM.	X	X		X														X
F. S. UNITS ①	X			X														X
CARDIV COMS.	X	X		X														
CARRIERS	X			X														
CARDIV SCREENS	X			X														
SWEEP GROUP COMS.	X		X	I								C	C					
SWEEP UNITS	X			I								X	X					
SALVAGE UNIT COMS. ②	I			I								X	X					
SALVAGE UNITS	I			I								X	X					
RECON & DEMO UNITS	X		X	I						X							X	
SEAPLANE RESERVICING VES.	X		X	I														X
TRANS GR. CONT. VESSELS	X		X	X									X				X	
ASS'T (BEACH) CONT. VESSELS				I			X			X			X					
TRANS. GR. BM (PC) ③				I		X	X			X							X	
TRANS. DIV. BM (PC-SC)						X	X		C	X							X	
TRANSPORT BM							X	X		C								
BOAT GR. COMS.							X											
WAVE COMS.							X											
TRAFFIC CONT. BOATS							X			X								
SALVAGE BOATS							X			X								
LVT(A)'s											X							
LVT-1 & 2's									X									
S. P. MESSAGE CENTER						X		X										
SHORE PARTY COMS.								C										

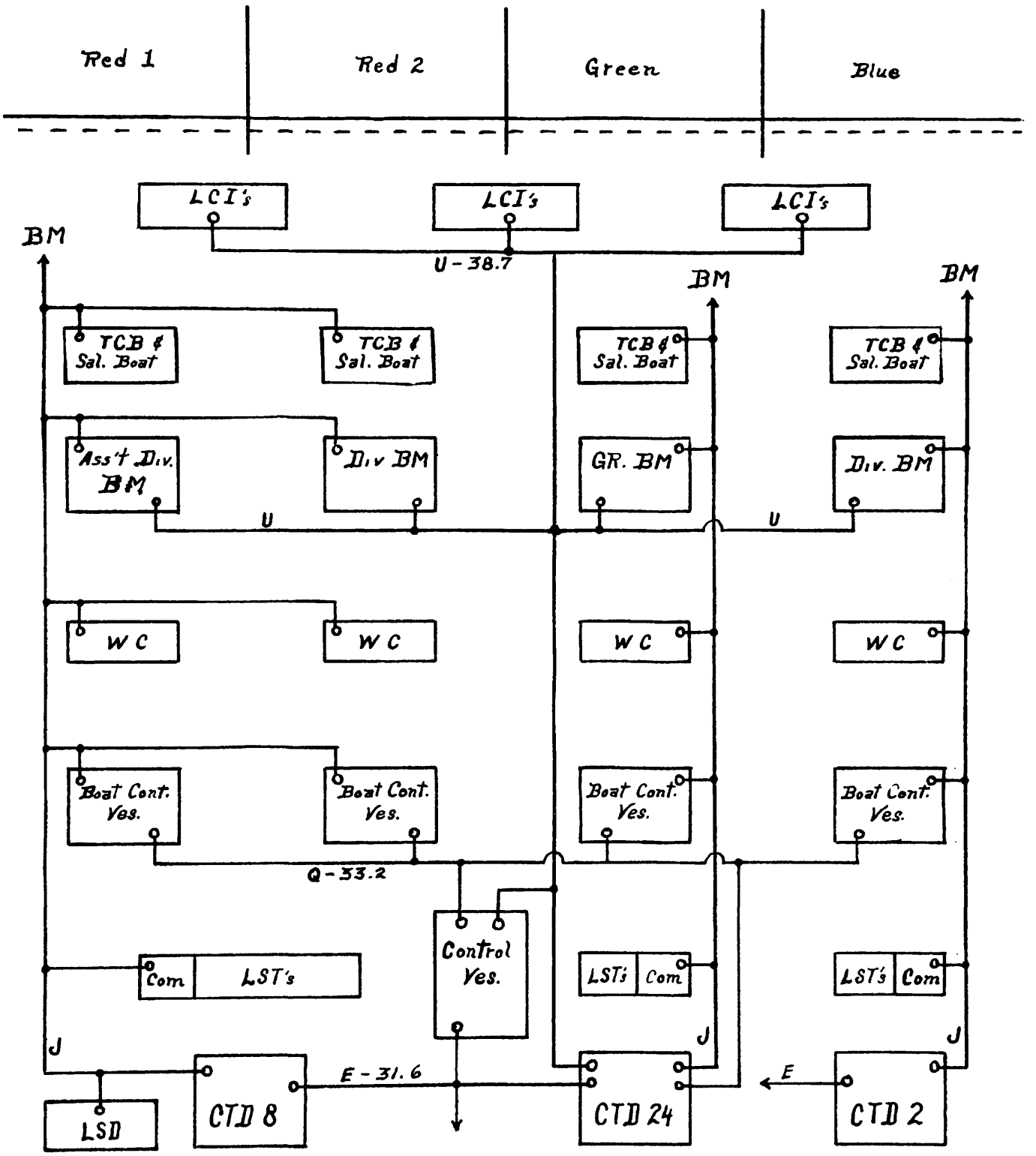
C - CONTROL
X - GUARD
K - COVER
I - INTERCEPT

* MF - AS ASSIGNED
** VHF - AS ASSIGNED
Δ HF - AS ASSIGNED, SCR-536 EQUIPMENT
① LCI(G)'s GUARD ONLY: 2796 & 38.7
② YMS's GUARD ONLY 2716 & 33.2
③ GUARD APPROPRIATE DIVISION FREQ, INTERCEPT OTHERS AS DESIRED.

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ENCLOSURE "C. (1) TO APPENDIX "1" TO ANNEX "E"
TO C.T.F. 53 OPERATION PLAN NO. A1G2-44.

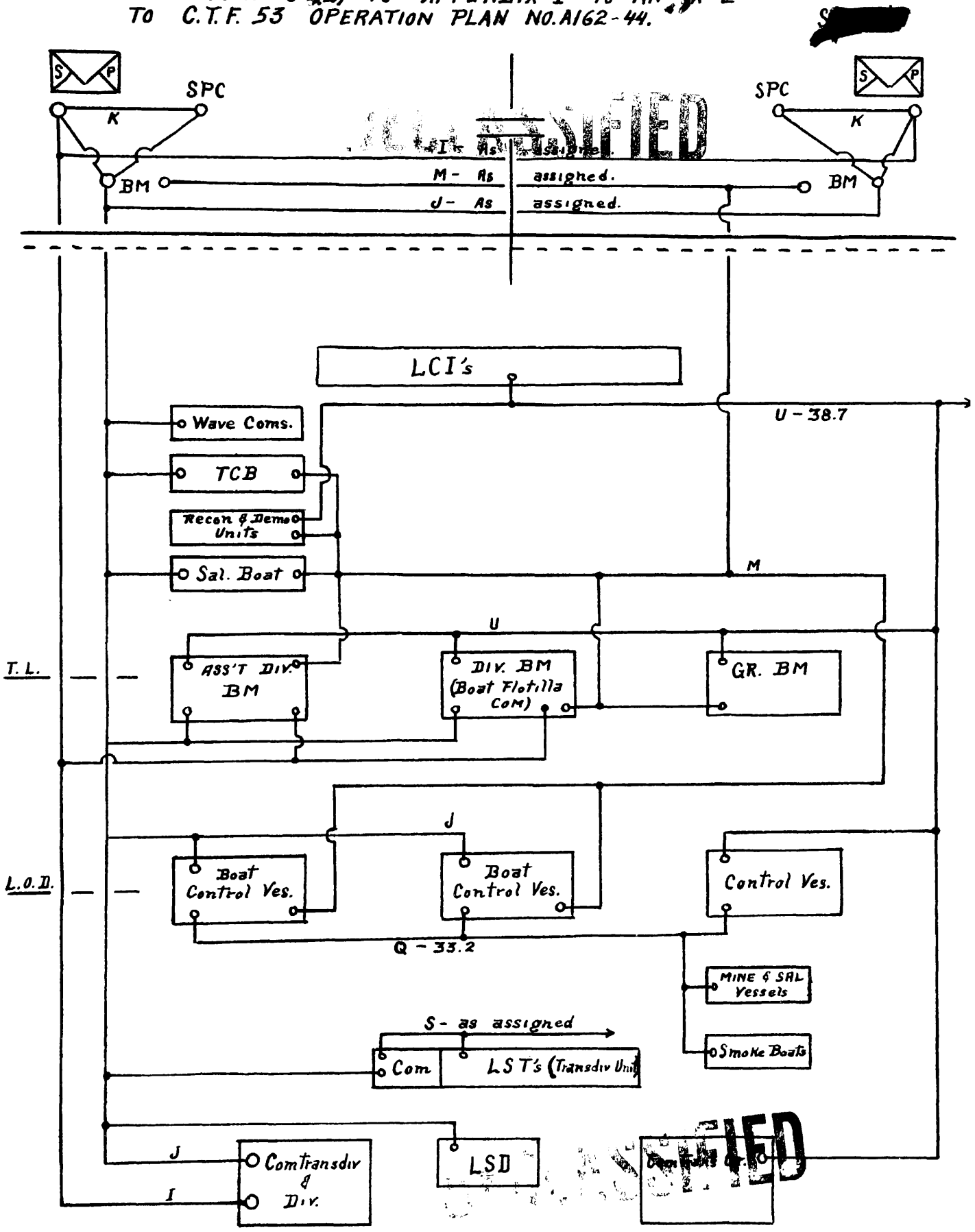
[redacted]



Control Vessel Circuits.

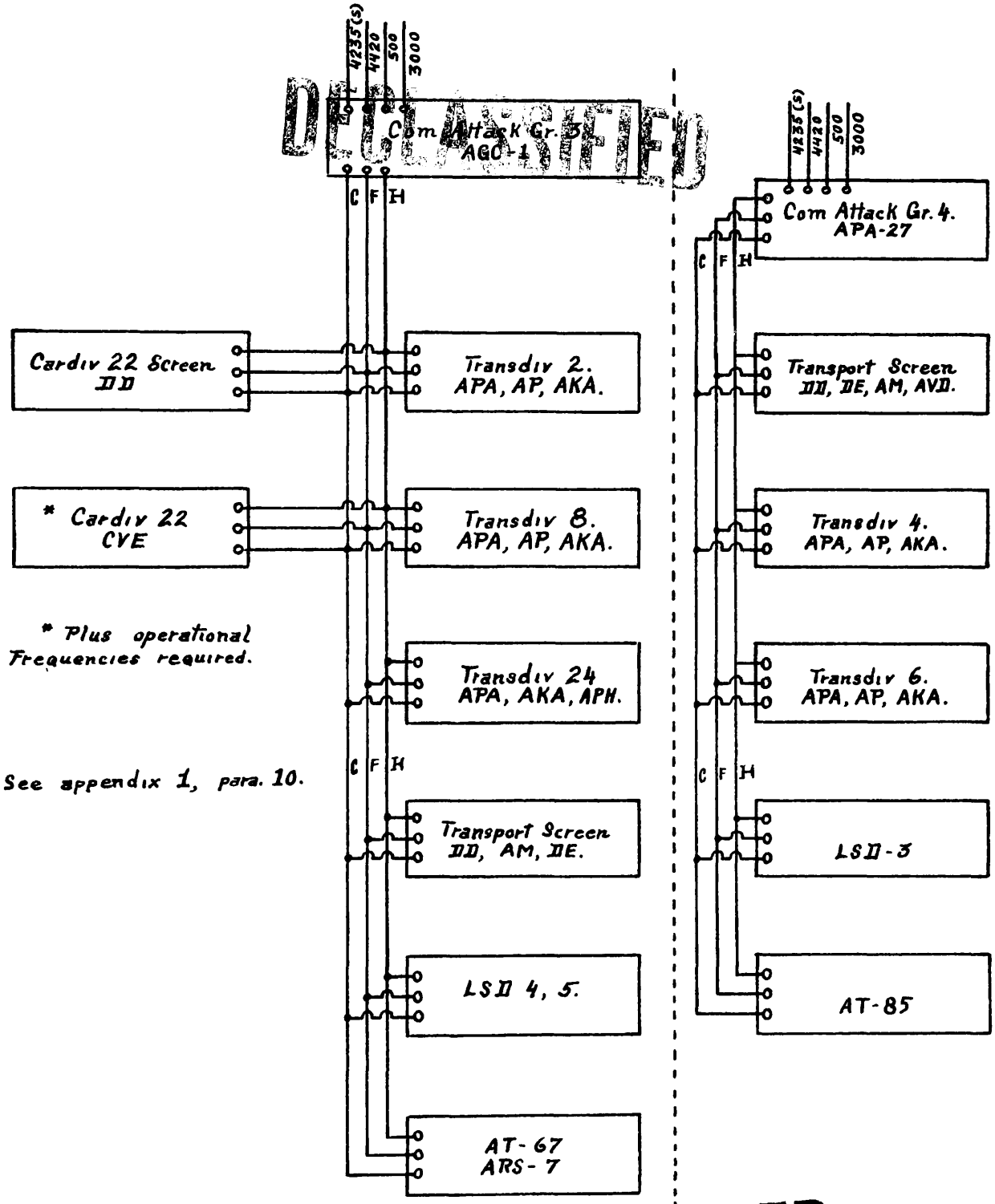
[redacted]

ENCLOSURE (12) TO APPENDIX "1" TO ANNEX "E"
TO C.T.F. 53 OPERATION PLAN NO. A162-44.



Transdiv Boat Control and Control Vessel Circuits for a Regimental Beach.

APPENDIX "[illegible]" TO ANNEX "E" TO C.T.F. 5[illegible]
OPERATION PLAN NO. A162-44.



* Plus operational Frequencies required.

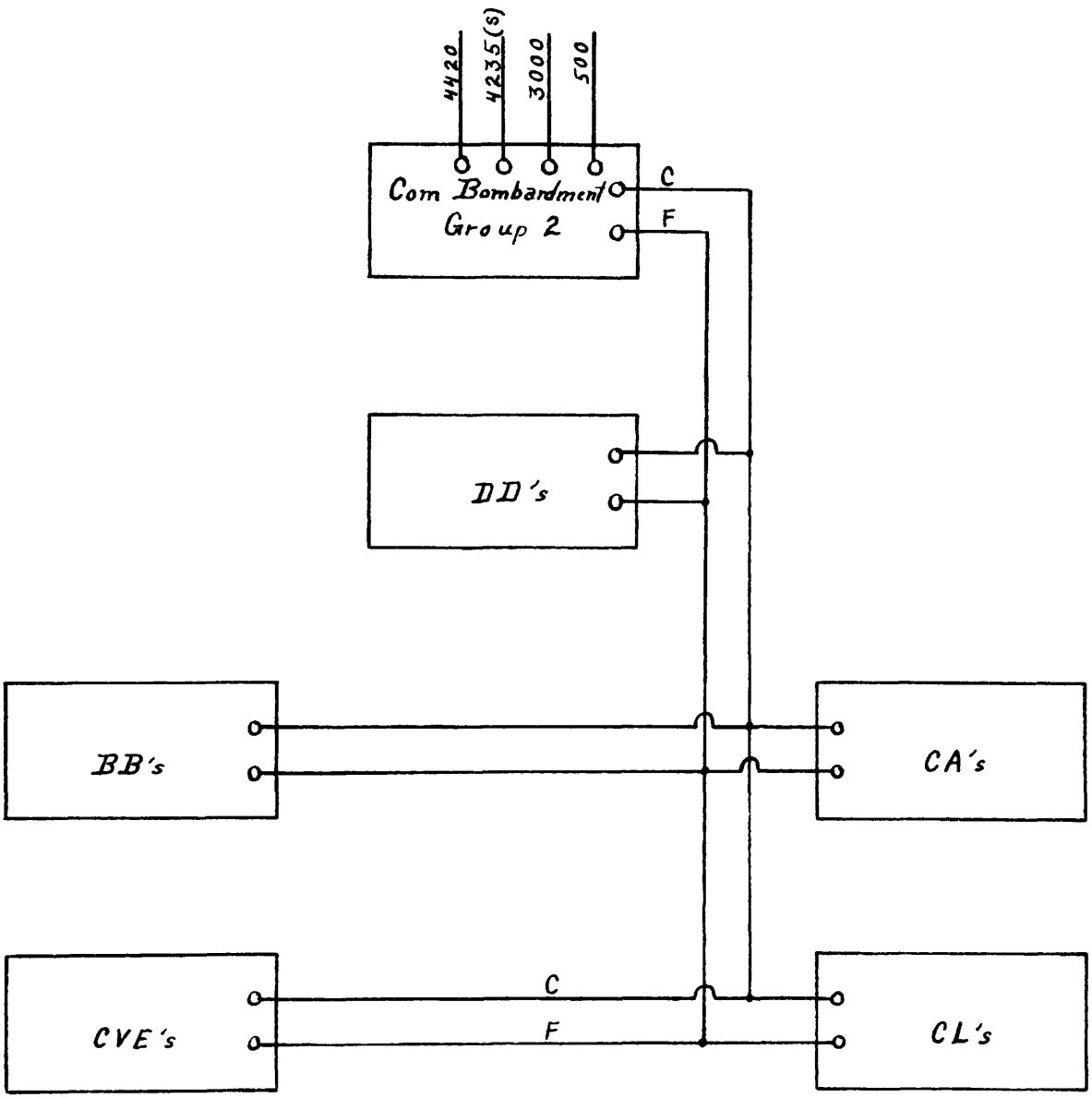
See appendix 1, para. 10.

ATTACK GROUP 3 ATTACK GROUP 4.

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Sortie and Cruising Frequency Plan B-1

DECLASSIFIED



C - 72.1 Ma[illegible]
F - 3115 Lo[illegible] Ar Va[illegible]

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See APPENDIX 1, Page 10.

Bombardment Group Two

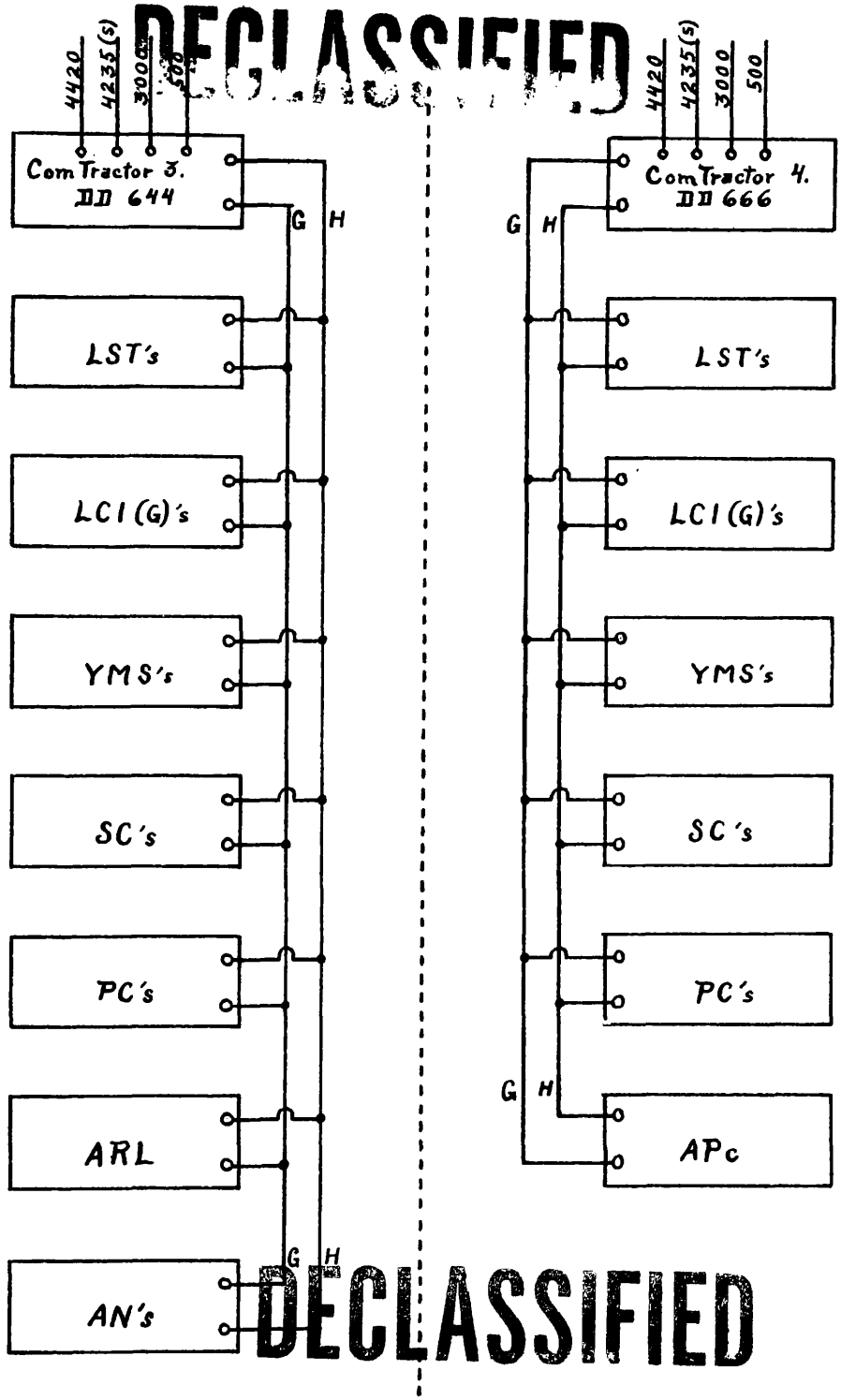
Sortie and Cruising Frequency Plan B-2

APPENDIX "1" TO ANNEX "E" TO C.T.F. 57
OPERATION PLAN NO. A162-44.

Tractor Group 3.

Tractor Group 4.

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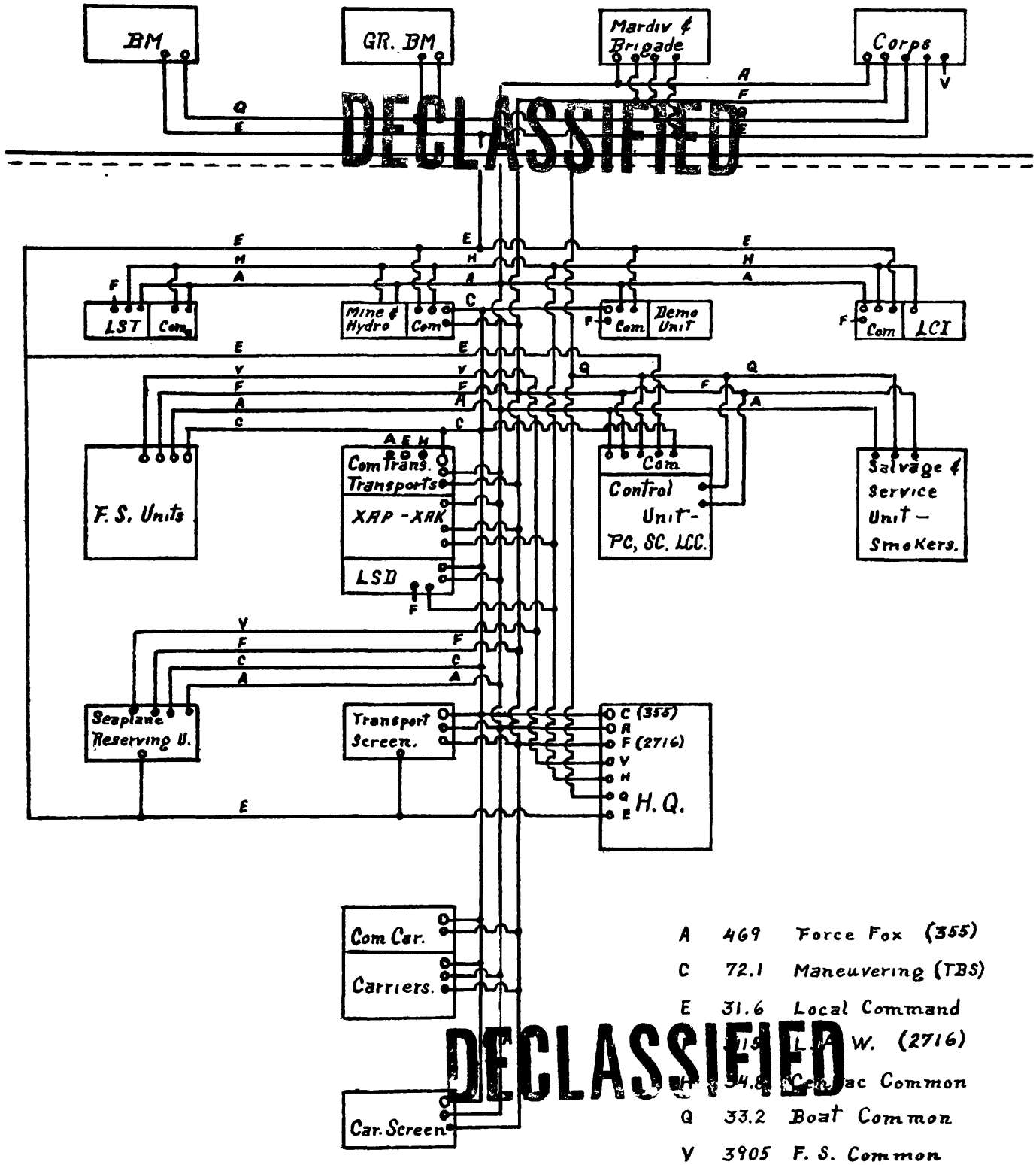
DECLASSIFIED

G - 3000 H.F. Warning.
H - 34.8 Fleet VHF Common.

Sortie and Cruising Frequency Plan B-3

APPENDIX "J" TO ANNEX "E," TO C.T.F. 53 OPERATION PLAN NO. A162-44.

Secret



A	469	Force Fox (355)
C	72.1	Maneuvering (TBS)
E	31.6	Local Command
F	[illegible]	L[illegible]W. (2716)
H	34.8	Com[illegible]ac Common
Q	33.2	Boat Common
V	3905	F. S. Common

Substitute Frequencies in parenthesis when directed by signal.

Consolidation Frequency Plan D.

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SCR 608/610 CHANNELS

TASK FORCE-53

LOCAL COMMAND ~31.6~ NET E

CONTROL COMMANDER ATTACK GROUP — o —
NORTH - APPALACHIAN
SOUTH - GEO CLYMER

COMMANDER TRANSPORTS — DUPAGE

TRANSPORT DIV. COMMANDERS — TD2 - PRES JACKSON; TD4 - ZEILIN; TD6 - FAYETTE; TD8 - CRESCENT CITY; TD24 - DUPAGE

COM TRANSPORT SCREEN — S. RINGGOLD

TRANSPORT GROUP CONTROL VESSELS — N. - JOHN ROGERS; S. - RINGGOLD

COMMANDER LCI UNIT — N. - LCI 446; S. - LCI 442

SEAPLANE RESERVICE UNIT — WILLIAMSON

3RD PHIB CORPS (ASHORE)

3RD PHIB CORPS (INSHORE HDQS)

3 MARINE DIV. (INSHORE HDQS)

1ST PROV BRIG (INSHORE HDQS)

COMMANDER LST UNIT — N. - LST 488; S. - LST 446

COMMANDER RECON & DEMO UNIT — N. - DENT; S. - TALBOT

COMMANDER SWEEP UNIT — N-SKYLARK; S-SHELLDRAKE

SMOKE BOATS

BEACH CONTROL VESSELS

TRANSPORT GROUP CONTROL VESSELS

APPALACHIAN — NORTH + SOUTH - LIPAN

SWEEPER UNITS

COMMANDER SALVAGE UNIT

SALVAGE UNITS

CONTROL COMMANDER SWEEPER UNIT — S — NORTH - SKYLARK; SOUTH - SHELLDRAKE

MINE AND SALVAGE ~33.2 NET Q

TRANSPORT DIVISION BOAT CONTROL ~ NET J
TD2 - 37.9
TD4 - 35.9
TD6 - 34.5 - SECONDARY -
TD8 - 37.1
TD24 - 31.1

CONTROL TRANSPORT DIVISION COMMANDERS

TRANSPORTS — TRANSDIV 2; TRANSDIV 4; TRANSDIV 6; TRANSDIV 8; TRANSDIV 24

COMMANDERS LST SECTIONS

TRANSPORT GROUP BEACHMASTER — NORTH - PC's 549-555-1125 SC's 724-727; SOUTH - PC's 1126-1127-1136 SC's 1325-1328

TRANSPORT DIV. BEACHMASTER

BOAT GROUP COMMANDER

BOAT WAVE COMMANDERS

BEACH CONTROL VESSELS

TRANSPORT BEACHMASTER

COMMANDER NORTH ATTACK GROUP
APPALACHIAN
GEO. CLYMER
COMMANDER SOUTH ATTACK GROUP

TRANSPORTS COMMON ~34.8 NET H

CONTROL COMMANDER TRANSPORTS — o — NORTH - DUPAGE; SOUTH - ZEILIN

TRANSPORT DIV. COMMANDERS — TD2 PRES JACKSON; TD8 CRESCENT CITY; TD24 DUPAGE; TD4 ZEILIN; TD6 FAYETTE

TRANSPORTS — TRANSDIV 2; TRANSDIV 8; TRANSDIV 24; TRANSDIV 4; TRANSDIV 6

COMMANDER LSD'S — NORTH - GUNSTON HALL; SOUTH - CARTER HALL

LSD'S

COMMANDERS LST SECTIONS — N - LST's TD's 2-8-24; S - LST's TD's 4-6

LST COMMONS NORTH (P) 34.0 (S) 35.6 SOUTH (P) 35.6 (S) 34.0 NET S

CONTROL LST - UNIT COMMANDER — o — NORTH - LST 488; SOUTH - LST 446

LST'S

COMMANDER LST UNIT

TRANSPORT GROUP CONTROL VESSELS

LST 488 - NORTH | SOUTH - LST 446

LCI COMMON ~ 38.7 NET U

CONTROL COMMANDER TRANSPORTS — o — NORTH - DUPAGE; SOUTH - ZEILIN

TRANSPORT GROUP CONTROL VESSEL — NORTH - STEMBEL; SOUTH - RINGGOLD

TRANSPORT GROUP BEACH MASTER

TRANSPORT DIVISION BEACHMASTER

COMMANDER RECON-DEMO UNIT — N.-DENT; S-TALBOT

COMMANDER LCI UNIT — NORTH - LCI 446; SOUTH - LCI 442

LCI'S

ENCLOSURE C(3) APPENDIX 1 ANNEX E
CTF 53 OPERATION PLAN A162-44

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Enclosure "D" to Appendix "1" to Annex "E"
To C.T.F. 53 Operation Plan No. A162-44

(a) AIR RAID WARNING CONDITIONS

Visual	Radio (plain language message)	Meaning
"ZEBRA" Flag	"FLASH RED"	Air Attack immiment, enemy aircraft in vicinity. All Ships set Condition I.
"TWO" Pennant	"FLASH BLUE"	Air Attack probable, unidentified aircraft in vicinity. All ships set Condition II.
"ONE" Pennant	"FLASH WHITE"	All clear, Aircraft identified as friendly, (Hostile aircraft no longer in vicinity.)

(b) AIR RAID ALARM.

Ten (10) second blasts with five (5) second intervals for a period of two (2) minutes on siren from base or senior ship in harbor.

(c) CONTROL OF ANTI-AIRCRAFT FIRE

Visual	Radio (plain language message)	Meaning
GREEN Flag	"CONTROL GREEN"	All guns hold fire on air targets.
YELLOW Flag	"CONTROL YELLOW"	All guns fire on any air targets.

(d) When flag signals for air raid warning CONDITIONS and CONTROL of gunfire are flown simultaneously the CONTROL Flag will be flown UNDER the CONDITIONS Flag.

PACIFIC OCEAN AREA STANDARD AIR RAID SIGNALS.

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Enclosure "D" to Appendix "1" to Annex "E"
To C.T.F. 53 Operation Plan No. A162-44

(a) AIR RAID WARNING CONDITIONS

Visual	Radio (plain language message)	Meaning
"ZEBRA" Flag	"FLASH RED"	Air Attack immiment, enemy aircraft in vicinity. All Ships set Condition I.
"TWO" Pennant	"FLASH BLUE"	Air Attack probable, unidentified aircraft in vicinity. All ships set Condition II.
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Ten (10) second blasts with five (5) second intervals for a period of two (2) minutes on siren from base or senior ship in harbor.

(c) CONTROL OF ANTI-AIRCRAFT FIRE

Visual	Radio (plain language message)	Meaning
GREEN Flag	"CONTROL GREEN"	All guns hold fire on air targets.
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(d) When flag signals for air raid warning CONDITIONS and CONTROL of gunfire are flown simultaneously the CONTROL Flag will be flown UNDER the CONDITIONS Flag.

PACIFIC OCEAN AREA STANDARD AIR RAID SIGNALS.

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ENCLOSURE "F" TO ANNEX "E" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

Distribution of Army (SCR) Radio Equipment.

1. Frequency modulated equipment SCR-608 and SCR-610

	SCR-608's Number on Each Setup		SCR-610's		
	1	2 3	Channel No.	A	B
USS APPALACHIAN AGC 1	(6 Total)		(Various)		
USS GEORGE CLYMER APA 27	(8 Total)		7	35.9	33.2
TD 2 FLAG (PRES. JACKSON)	1	1	9	37.9	33.2
APA'S	1		7	37.9	33.2
AKA 13 (TITANIA)	1		4	37.9	33.2
TD 4 FLAG (ZEILIN)	1	1	9	35.9	33.2
APA'S		1	7	35.9	33.2
AKA 20 (VIRGO)		1	4	35.9	33.2
TD 6 FLAG (FAYETTE)	1	1	9	34.5	33.2
APA'S		1	7	34.5	33.2
AKA 17 (CENTAURUS)		1	4	34.5	33.2
TD 8 FLAG (CRESCENT CITY)	1	1	9	37.1	33.2
APA'S	1		7	37.1	33.2
AKA 12 (LIBRA)	1		4	37.1	33.2
TD 24 FLAG (DUPAGE)	2	2	9	31.1	33.2
APA'S	1		7	31.1	33.2
APH 3 (RIXEY)	1		4	31.1	33.2
AKA 16 (AQUARIUS)	1		4	31.1	33.2
LCC'S (NORTH)	1				
LCC'S (SOUTH)		1			
ALL PC'S, and SC'S 724, 727 1325, 1328	1	1	1	33.2	34.8
SC'S 504, 521, 667, 1273	1				
SC'S 1319, 1326		1			
LST'S 488, 123 (FLAGS)	1				
LST 476 (FLAG)		1			
LST'S (All, incl. FLAGS)			1	34.0	34.8
			1	35.6	33.2
(NOTE: Each TransDiv shall furnish the commander of its assigned LST Unit an SCR-610 on the Trans-Div frequency)					
LCI'S 442, 466 (FLAGS) (Additional)			1	31.6	33.2
LCI'S (All, incl. FLAGS)			1	38.7	34.8

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ENCLOSURE "E" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

	1	2	3	No.	A	B
USS CARTER HALL LSD 3		1		3	33.2	34.8
USS EPPING FOREST LSD 4	1			3	33.2	34.8
USS GUNSTON HALL LSD 5	1			3	33.2	34.8
USS DENT APD 9	1					
USS TALBOT APD 12		1				
USS APACHE AT 67	1					
USS LIPAN AT 85		1				
AM'S (All)				1	33.2	34.8
USS GRAPPLE ARS 7				1	33.2	34.8
USS AGENOR ARL 3				1	33.2	34.8
YMS'S (All)				1	33.2	34.8
AN'S (All)				1	33.2	34.8
CVE'S (All)				1	37.6	33.8
LCT'S 945, 969, 971 (NOTE: For ship-shore movement, TransDivs concerned shall furnish additional 610 on TransDiv frequency)				1	33.2	34.8
DEMOLITION UNITS (Each Unit)				3	38.7	34.8
XAP'S, XAK'S (Each vessel)				1	33.2	34.8
2 LCS HARBOR PATROLS (Each)(Stowed in APPALACHIAN)				1	33.2	34.8
USS WILLIAMSON AVD 244	1					
APc 46	1					
USS STEMBEL DD 644	1			1	31.6	33.2
USS BLACK DD 666		1		1	31.6	33.2
USS JOHN ROGERS DD 574	1					
USS RINGGOLD DD 500		1				
USS SIGSBEE DD 502			1			
USS SCHROEDER DD 501			1			
USS MURRAY DD 576				1	37.6	33.8
USS WADSWORTH DD 516				1	37.6	33.8
USS COLAHAN DD 658				1	37.6	33.8
ISLAND BASE COMMANDER			1			

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SCR-608 CHANNEL "SET-UPS"

Channel Setup No. 1:

Channel	Trans	Rec 1	Rec 2
1	34.8	34.8	34.8
2	37.9	37.9	37.9
3	35.9	35.9	35.9
4	34.5	34.5	34.5
5	37.1	37.1	37.1
6	31.1	31.1	31.1
7	38.7	38.7	38.7
8	33.2	33.2	33.2
9	31.6	31.6	31.6
10	34.0	34.0	35.6

Channel Setup No. 2:

Same as setup No. 1 except:

10	35.6	34.0	35.6

Channel Setup No. 3:

Same as setup No. 1 except:

2	33.8	33.8	33.8
3	37.6	37.6	37.6

2. SCR-536 ("Walkie-Talkie") Distribution.

Each TransGroup Commander (N)	1	5500 kc
Each TransDiv Commander (N)	1	5500 kc
Each AP, APA, APH (N)	4	5500 kc
Each TransGroup Commander (S)	1	5327.5 kc
Each TransDiv Commander (S)	1	5327.5 kc
Each AP, APA (S)	4	5327.5 kc
These sets are for use by the Beachmasters, traffic control boats, and salvage boats.		
Each PC and SC	1	3885 kc
	1	4035 kc
	1	4280 kc
Demolition Team No. 3	8	5500 kc
Demolition Team No. 4	8	5327.5 kc

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ENCLOSURE "E" TO ANNEX "B" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

3. Afloat Pool Spares Distribution:

	SCR-608	SCR-610	SCR-536
USS APPALACHIAN AGC 1	2	10	8
USS GEORGE CLYMER APA 27	2	8	2
USS ZEILIN APA 3	2	8	2
USS DUPAGE APA 41	2	8	2
USS PRES. JACKSON APA 18	1	8	2
USS FAYETTE APA 43	1	8	2
USS CRESCENT CITY APA 21	1	8	2
COM 1ST FLOT FIVE		4	2

Radio and radar spares are also carried aboard each TransDiv Flag. Ships needing spare material shall apply to CTF 53.

4. Radio Jeep Allocation:

Radio Jeep	Allocated for the use of:	Unit Designated to furnish Drivers and Loads
TF53 - 1	ComGen, 3rd PhibCorps	Third Phib Corps
TF53 - 2	ComGen, 3rd PhibCorps	Third Phib Corps
TF53 - 3	ComGen, 3rd MarDiv	Third MarDiv
TF53 - 4	ComGen, 3rd MarDiv	Third MarDiv
TF53 - 5	ComGen, Prov. Brigade	Provisional Brigade
TF53 - 6	ComGen, Prov. Brigade	Provisional Brigade
TF53 - 7	Island Commander	Third Phib Corps
TF53 - 8	S.C (ashore)	Third Phib Corps
TF53 - 9	Corps Artillery	Third Phib Corps
TF53 - 10	Port Director	Third Phib Corps
TF53 - 11	Garrison Beachmaster	Third Phib Corps
TF53 - 12	O-in-C Boat Pool	Third Phib Corps
TF53 - 13	ComAttackGroup (South)	GEORGE CLYMER
TF53 - 14	Group Beachmaster (South)	GEORGE CLYMER
TF53 - 15	Group Beachmaster (South)	GEORGE CLYMER
TF53 - 16	TransDiv 4 Beachmaster	ZEILIN
TF53 - 17	TransDiv 6 Beachmaster	FAYETTE
TF53 - 18	TransDiv 2 Beachmaster	PRESIDENT JACKSON
TF53 - 19	TransDiv 8 Beachmaster	CRESCENT CITY
TF53 - 20	ComAttackFor (North)	APPALACHIAN
TF53 - 21	ComAttackForce (North)	DUPAGE
TF53 - 22	ComTransGroup 3, 5thPhib	DUPAGE
TF53 - 23	Group Beachmaster (North)	DUPAGE
TF53 - 24	Group Beachmaster (North)	DUPAGE
TF53 - 25	TransDiv 24 Beachmaster	DUPAGE

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5. Transport Communication Teams:

O-in-C of Team	Transport to which assigned
Lt. Douglas A. Cole	WHARTON (AP-7)
Lt.(jg) Harrison Kinney	RIXEY (APH-3)
Lt.(jg) Clarence E. Osterele	PRES. POLK (AP-103)
Lt.(jg) Zigmund Klikun	PRES. MONROE (AP-104)

6. Control Vessel Teams:

O-in-C of Team	Parent Transport	Comm Team For
Lt. Jack T. Spencer	APPALACHIAN	Corps Commander
Lt. Norman H. Fuller	GEORGE CLYMER	Brigade Commander
Ens. Gunion Gregg Jr.	DUPAGE	ComGenIIIMarDiv
Lt.(jg) Leon S. Alschuler	GEORGE CLYMER	Group BM
Lt. Philip Sutherland and Ens. R. W. Hougas	DUPAGE	Group BM
Ens. Bernard M. Askin	PRES. JACKSON	TransDiv 2 BM
Ens. Frank C. Colby	ZEILIN	TransDiv 4 BM
Lt. Lindsey C. Claiborne	FAYETTE	TransDiv 6 BM
Ens. Edward J. McMurray	CRESCENT CITY	TransDiv 8 BM
Lt.(jg) John E. Curry	DUPAGE	TransDiv 24 BM

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ENCLOSURE "F" TO APPENDIX "1"
TO ANNEX "E"
TO COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN A162-44

Special Visual Signals

The following temporary signals will be used, (Insert in General Signal Book, "Landing Craft" section p. 170 d).

R 51 (TACK Numerals) - - - - - Proceed to:

1. Unloading Area
2. Line of Departure
3. LST Rendezvous Area (Followed by numerals or letter to designate specific area)
4. LVT Rendezvous Area (Followed by numerals or letter to designate specific area)
5. Area designated by following letters A, B, etc.)
6. Transport Area (Followed by letter or number to designate specific area assigned)

R 52 (TACK numerals) - - - - - Keep your boats:

1. Under better control
2. Closed up
3. Circling
4. Closer to ship

R 53 (TACK numerals) - - - - - Dispatch your boats to:

1. Line of departure
2. RED Beach
3. GREEN Beach
4. BLUE Beach
5. YELLOW Beach

R 54 (TACK numerals) - - - - - (When signal is initiated by OTC)

Report when boats are:

1, Hoisted out

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2. Hoisted on board
(When signal is hoisted by replying ship)
(Add appropriate time signal, if required)
Boats are (were):
1. Hoisted out
2. Hoisted on board

R 55 (TACK numerals) - - - - - (When signal is initiated by OTC)

Report when troops are:

1. Landed
2. Embarked
3. Disembarked
4. Reembarked
5. Enroute Line of Departure (All assault waves)
(When signal is initiated by replying ship)
(Add appropriate time signal, if required)

Troops have (were):

1. Landed
2. Embarked
3. Disembarked
4. Reembarked
5. Enroute Line of Departure (All assault waves)

R 56 (TACK numerals) - - - - - (When signal is initiated by OTC)

Report when cargo is:

1. Loaded
2. Unloaded
3. Reloaded
(When signal is initiated by replying ship)
(Add appropriate time signal, if required)

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Cargo is (was):

1. Loaded
2. Unloaded
3. Reloaded

R 57 — Make routine cargo unloading reports
(in percentages)
(Ship replying hoist):

A (numerals) Total Cargo
B (numerals) Rations
C (numerals) Ammunition

R 58 — Make routine medical Reports
(Ships replying hoist)

W (numerals) - Bed casualties
X (numerals) - Non-evacuables
Y (numerals) - Total onboard
Z (numerals) - Dead on board
(not previously reported)

R 59 — Keep closed up and maintain proper station in Transport Area.

R 60 — Turn on individual Transport Identification Lights.

- o - o - o - o - o - o - o - o - o - o - o - o - o - o - o - o -

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APPENDIX "2" TO ANNEX "E"
TO COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

CALL SIGNS

Task Force Organization Calls

Designation	Voice	CW	Designation	Voice	CW
CTF 53	WARHORSE	9HE	CTG 53.10	BANKER	2QA
TF 53	PANZER	6ZI	TG 53.10	MORTGAGE	6OE
CTG 53.1	KODAK	5UE	CTG 53.11	DISCIPLE	4EK
TG 53.1	NIAGARA	6RC	TG 53.11	JUDAS	5PR
CTG 53.2	NOMAD	6RP	CTG 53.12	MAGNETO	6EB
TG 53.2	BADGER	2NV	TG 53.12	SPARKPLUG	8IE
CTG 53.3	BOUQUET	3AV	CTG 53.13	MAPMAKER	6FR
TG 53.3	STARLIGHT	8JR	TG 53.13	SUGARFOOT	8LY
CTG 53.4	LOTTERY	6BP	CTG 53.14	MADONNA	6DH
TG 53.4	JOHN BULL	5PL	TG 53.14	TORSO	8WA
CTG 53.5	COMMANDO	3TD	CTG 53.15	TUBBY	8YJ
TG 53.5	STRANGLER	8LR	TG 53.15	BAYWINDOW	2TC
CTG 53.6	CORNCOB	3UP	CTG 53.16	SALESMAN	7VQ
TG 53.6	HOECAKE	5HJ	TG 53.16	CLIENT	3QS
CTG 53.7	SAMSON	7WR	CTG 53.17	MECHANIC	6IC
TG 53.7	BRAWNY	3CO	TG 53.17	COGWHEEL	3SL
CTG 53.8	BOVINE	3AW	CTG 53.18	FIREBOX	4QC
TG 53.8	WHISK BROOM	9KO	TG 53.18	CLINKER	3QY
CTG 53.9	REPUBLIC	7PH	CTG 53.19	ANTIQUE	2GU
TG 53.9	SENATOR	7ZO	TG 53.19	ROSEMARY	7TM

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APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

Ship's Calls

Ship	Voice	CW	Ship	Voice	CW
Abbot (DD629)	AUTHOR	2MN	Draco (AK79	MAKESHIFT	6EO
Acree (DE167)	MERRIMAC	6IQ	Dupage (APA41)	NOONTIDE	6RW
Agenor (ARL3)	TARPAULIN	8OU	Elmore (APA42)	ROOSTER	7TF
Aloe (AN6)	COCONUT	3SF	Epping Forest(LSD4)	ORGANIST	6VR
Anthony (DD515)	TRAMCAR	8WZ	Erben (DD631)	GOLDWYN	4ZA
Apache (AT67)	JUBILEE	5PC	Farragut (DD348)	FOOTBALL	4SU
#APc	AMULET	2FN	Fayette (APA43)	KATINKA	5QU
Appalachian (AGC1)	ALERT	2DJ	Franks (DD554)	PUNCHBOWL	7JI
Aquarius (AKA16)	TERMITE	8RB	Fullam (DD474)	SAHIB	7VI
Ara (AK136)	VANITY	9CE	Geo. Clymer(APA27)	SANDWICH	7WY
Aylwin (DD355)	FINGERNAIL	4QA	Grapple (ARS7)	KEROSENE	5RX
Baron (DE166)	ZOMBY	9RT	Guest (DD472)	BABYFACE	2MZ
Belle Grove (LSD2)	ASIATIC	2KP	Gunston Hall(LSD5)	TABLET	8OI
Bennett (DD473)	WARRIOR	9HC	Huggard (DD555)	LABOR	5UM
Birmingham (CL62)	BARBARIAN	2QR	Hailey (DD556)	DROPKICK	4GN
Black (DD666)	ANCHOVY	2GB	Hale (DD642)	MODIFY	6LK
Braine (DD630)	FISH HOOK	4QM	Halford (DD480)	ACROPOLIS	2BG
Bullard (DD660)	EXPOSITION	4MN	Hamilton (DMS18)	UNICORN	9AP
Canfield (DE262)	SOAPSUDS	8GV	Harrison (DD573)	CHOCOLATE	3OX
Cape San Martin(XAK)	WILDERNESS	9LM	Harry Lee (APA10)	WESTBROOK	9JG
Carter Hall (LSD3)	HONEYSUCKLE	5IE	Hogan (DMS6)	AUDITOR	2LY
Centaurus (AKA17)	MASCOT	6GQ	Holly (AN19)	SAUCY	7XI
Cetus (AK77)	BUFFALO	3EW	Honolulu (CL48)	CATGUT	3LH
Chauncey (DD667)	MALICIOUS	6EY	Hopkins (DMS13)	RACEHORSE	7LD
Chenango (CVE28)	AMBUSH	2FG	Hudson (DD475)	RATTLETRAP	7MR
Cleveland (CL55)	TOMATO	8TS	Hull (DD350)	BANQUET	2QG
Colahan (DD658)	DWARF	4HS	Idaho (BB42)	ELECTION	4IU
Coral Sea (CVE57)	DEADLOCK	4AS	J.H. Kincaid(XAP)	CASHIER	3KS
Corregidor (CVE58)	NIGHTHAWK	6RF	John Rogers(DD574)	ACE HIGH	2AL
Crescent City(APA21)	WAXWORK	9ID	Johnston (DD557)	BRAINSTORM	3CB
Corcaroli (AK91)	ORTHODOX	6WI			
Dale (DD353)	ROADHOUSE	7RK	Kidd (DD661)	RINGTAIL	7QW
Dashiell (DD659)	PASTEBOARD	7AK	Levy (DE162)	LULLABY	6CT
Dent (APD9)	HOTCHKISS	5JS	Leedstown (APA56)	SLOWPOKE	8FM
Dewey (DD349)	VARNISH	9CH	Libra (AKA12)	RETRIEVER	7PL
Dionne (DE261)	ONESTEP	6UY	Lipan (AT85)	BACKWOODS	2NS

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APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

Ship	Voice	CW
Long (DMS12)	ABIGAIL	2AG
*LCC	VODVIL	9EH
#LCI (G)	SHAKER	7ZY
#LCI (L)	SLOCUM	8FJ
%LCS	PORT/STBD.	---
#LCT	SLANDER	8EZ
#LST	MICA	6JE
MacDonough (DD351)	SHOPLIFTER	8CM
McConnell (DE163)	PIGIRON	7ER
McKee (DD575	PLYWOOD	7GU
Minneqpolis (CA36)	MAGNOLIA	6EC
Monaghan (DD354)	PARTNER	7AF
Montpelier (CL57)	ARCH ANGEL	2IM
Murray (DD576)	KEEPSAKE	5RD
New Mexico (BB40)	LAWMAKER	5XR
New Orleans (CA32)	JERICHO	5OM
Ormsby (APA49)	ALCOHOL	2DF
Osterhaus (DE164)	YULETIDE	9QO
Parks (DE165)	BODYGUARD	2ZK
Pennsylvania(BB38)	MAESTRO	6DP
Perry (DMS17)	COACHMAN	3RM
Phelps (DD360)	OMNIBUS	6UT
Pres.Adams (APA19)	ASPEN	2KT
Pres. Hayes(APA20)	AUDUBON	2ME
Pres.Jackson(APA18)	LOCOWEED	6AC
Pocamoke (AV9)	BACKDOOR	2NG
Pres.Monroe(APA104)	BASTILLE	2SG
Pres.Polk (AP103)	MESSENGER	6IV
#PC	SCIVVY	7YE
#PC (S)	ROONEY	7TE
Ringgold (DD500)	NOBLEMAN	6RK
Rixey (APH3)	CAFETERIA	3HD
San Francisco(CA38)	STEADFAST	8JV
Sangamon (CVE26)	QUANTICO	7KJ
Santee (CVE29)	SMOOTHY	8FZ
Schroeder (DD501)	CHECKMATE	3MZ

Ship	Voice	CW
#SC	ATLAS	2LF
Shaw (DD373)	STAINLESS	8JI
Shelldrake (AM62)	ARSON	2JX
Sigsbee (DD502)	CHIGGER	3OM
Skylark (AM63)	PALISADE	6YP
South African Victory		
Stansbury (DMS8)	EGGPLANT	4IM
Starling (AM64)	SINGAPORE	8DW
Stembel (DD644)	OXYDOL	6XU
Sterope (AP96)	FULLBLOODED	4VB
Stevens (DD479)	PUSSYFOOT	7JS
St. Louis (CL49)	WEBSTER	9IO
Suwanee (CVE27)	GISMO	4XR
Swallow (AM65)	SPILLWAY	8IO
Talbot (APD7)	UPRIGHT	9AS
Terry (DD513)	BOXTHORN	3BG
Titania (AKA13)	APE TRAINER	2HG
Typhoon (XAP)	FAMOUS	4OH
U.S. Victory		
Virgo (AKA20)	SUNBEAM	8MD
Wadsworth (DD516)	TITWILLOW	8TC
Walker (DD517)	SHATTERPROOF	8AT
Warren (APA53)	BROKERS TIP	3DV
Wayne (APA54)	SHATTUCK	8AV
Wharton (AP7)	BENCHMARK	2VC
Wichita (CA45)	BLABBERMOUTH	2XC
WmP.Biddle(APA8)	BLAMELESS	2XO
Williamson (DD244)	ROYALTY	7TY
Windsor (AP55)	ADROIT	2BT
#YP	IDEAL	5KZ
#YMS	ROMEO	7TC
Young America(XAP)	BRAVADO	3CK
Zeilin (APA3)	DEPOT	4CA

- Append hull number.
* - Append last two (2) digits of hull number.
% - Append parent ship hull number.

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Special Calls

All Ships Present	RAT HOLE	7MQ
All Ships Current Operation	BATTLEAXE	2SK
All TFC Current Operation	PATRICK	7AV
All TGC This Net	INDEX	5LO
All TUC This Net	HOTFOOT	5JP
All Stations This Circuit	VOLUNTEER	9FB
Commander Outer Screen (Screening vessels on various circles to be designated by appending number of circle to voice or CW call.)	VICKY	9DG
Commander Screening DD/DE's	BORNEO	3AP
Screening DD/DE's	JACKTAR	5NO
Fueling (Oiling) Unit	HEDGEHOG	5FK
Fueling Group (Ship or Ships receiving fuel)	APRIL	2IB
Salvage Unit	BROOMSTICK	3DY

Destroyers Under My Command (This call generated by prefixing the TF, TG, or TU voice call to code word "COWBOYS")

Example: CTG 51.1 (VIKING) desires to call DD's under his command, specifically TG 51.1 (HUSKY). The call therefor is "HUSKY COWBOYS...THIS IS VIKING..." Note that it is the TF, TG, or TU call that is prefixed and not the CTF, CTG, or CTU call.

Cruisers Under My Command (Generated as in case of Destroyers, using basic code word "KILLERS".

Battleships Under My Command (Generated as above using code word "CYCLONES".

Commander Fire Support Group, TF53	WORKSHOP	9NQ
Commander Naval Gunfire Support (3905 kcs)	KODAK	5UE
Commander Naval Gunfire Support (4010 kcs)	NOMAD	6RP
Commander Fire Support Unit (append number)	COMMANDO	3TD
Fire Support Unit (append number)	STRANGLER	8LR

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oat and Beach Calls

ransGroup Control Officer (Append Group Number)	TUXEDO	8ZE
ransGroup Beachmaster (Append Group Number)	SCOOTER	7YF
ransDiv Boat Flotilla Commander (Append TransDiv Number)	ORPHAN	6WF
ransDiv Beachmaster (Append TransDiv Number)	JENKINS	5OK
ontrol Officer Beaches (Prefix Color, Append Number of Beach. Example: RED EYE ONE -- R4MX1)	EYE	4MX
oat Group Commander (Append Parent Ship Hull Number)	DUKE	4HA
Boat Wave Commander (Prefix Wave Number, Append Number of Beach. Example: ONE ZANY BLUE TWO)	ZANY	9QW
Commander LVT Wave (Prefix Wave Number and Append Beach)	VICTOR ZANY	V9QW
Salvage Boat (Append Parent Ship Hull Number)	SCRAPPY	7YL
Transport Beachmaster (Prefix Color, Append Number of Beach. Example: YELLOW HAIR TWO-- Y5CB2)	HAIR	5CB
Commander Underwater Demolition Units	BLOWGUN	2YO
Commander Underwater Demolition Unit No. 3	BLOWGUN 3	2YO3
Commander Underwater Demolition Unit No. 4	BLOWGUN 4	2YO4
LCC (Append Last two (2) Digits of Hull Number)	VODVIL	9EH
LCS (Generate Call as PORT and STARBOARD, Appending Hull Number of Parent Ship)	PORT/STBD	---

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APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44 (CONTINUED)

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Administrative Calls

(A) BatDivs, CarDivs, CruDivs, DesDivs, DesRons, TransDivs.

Collective Call of the organization commanded is constructed by adding the word "GANG" to the appropriate Voice Call, and ZERO (0) to the CW Call.

Example: COMBATDIV 3 is "ARROWHEAD -- 2JR"
BATDIV 3 is "ARROWHEAD GANG -- 2JRO"

COMBATDIV 2	ALMANAC	2EH	COMDESDIV 94	FAIRGROUNDS	4NL
COMBATDIV 3	ARROWHEAD	2JR	COMDESDIV 95	EQUIPOISE	4KW
COMBATDIV 4	PINCHER	7FH	COMDESDIV 96	WHIRLPOOL	9KM
COMCARDIV 22	PAPOOSE	6ZN	COMDESRON 1	COCAINE	3RQ
COMCARDIV 24	MOUSTACHE	6OP	COMDESRON 25	SCHENLEY	7YB
			COMDESRON 45	PACK RAT	6YG
COMCRUDIV 6	HORSEPOWER	5JM	COMDESRON 48	LAFAYETTE	5VR
COMCRUDIV 9	SEESAW	7ZJ	COMDESRON 49	BRUNETTE	3DZ
COMCRUDIV 12	UKELELE	8ZT	COMDESRON 50	IRON DUKE	5MO
COMDESDIV 1	BONAPARTE	2ZT	COMTRANSDIV 2	APEX	2HI
COMDESDIV 2	ACID	2AP	COMTRANSDIV 4	CHEERIO	3ND
COMDESDIV 49	FLYWEIGHT	4SO	COMTRANSDIV 6	DORA	4FU
COMDESDIV 50	GINGERSNAP	4XN	COMTRANSDIV 8	RIVET	7RJ
COMDESDIV 89	MUSTANG	6PT	COMTRANSDIV 24	MIMIC	6KB
COMDESDIV 90	MORGAN	6NX			

(B) CortDiv, MinRon, MinDiv, LCI, LCT, LST Organizations.

Append the Squadron, Division, Flotilla, or Group Number to the appropriate Voice and CW Calls.

COM CORT DIV	JIFFY	5OY	COM LCT DIV	WHIRLIGIG	9KL
CORT DIV	AMERICAN	2FJ	LCT DIV	MOLASSES	6LV
COM LCI FLOT	TIDBIT	8SG	COM LST FLOT	SADDLEBAG	7UZ
LCI FLOT	TEAKWOOD	8PI	LST FLOT	ALAMO	2CW
COM LCI GROUP	TOBOGGAN	8TN	COM LST GROUP	ROEBUCK	7SV
LCI GROUP	SURGEON	8NA	LST GROUP	CORDITE	3UJ
COM LCI DIV	TOURIST	8WI	COM LST DIV	BOMBSHELL	2ZS
LCI DIV	UMBRELLA	9AD	LST DIV	DIESEL	4DN
COM LCT FLOT	WALLET	9GO	COMINRON	SHERLOCK	8BT
LCT FLOT	OTHELLO	6WP	MINRON	CLIFFSIDE	3QT
COM LCT GROUP	WATERMELON	9HS	COMINDIV	STABLEBOY	8JC
LCT GROUP	MOONSTRUCK	6NR	MINDIV	ROUGHCUT	7TN

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APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

Aircraft Calls

Any Airplane Spotting for Shore Based Artillery, TF53	LONG GLASS	6AX
Commander Support Aircraft, TF53	CONGO	3TL
Commander Support Aircraft, TF53 Standby	FLANAGAN	4RQ
Commander Support Aircraft, TF53 Ashore	BAREBACK	2QY
Photographic Plane #1, TF53	CALICO 1	---
Photographic Plane #2, TF53	CALICO 2	---
Smoke Planes, Flight Leader, TF53	SMOKY JOE 3	---
Air Liaison Observer #1 (airborne) TF53	LONESTAR 1	---
Air Liaison Observer #2 (airborne) TF53	LONESTAR 2	---

Fighter Director Calls

TF53 Command Ship	MOSCOW
TF53 Standby Command Ship (GEO. CLYMER)	COMEDY
TF53 Primary Fighter Director (SIGSBEE)	CABLE
TF53 Secondary Fighter Director (SCHROEDER)	HALYARD
Other TF53 Fighter Director Ships:	
MURRAY	SATIN
SHAW	BOLERO
WADSWORTH	NYLON

Afloat Bases Calls

Chenango (CVE28)	BORAX
Coral Sea (CVE57)	NICKEL
Corregidor (CVE58)	MONEL
Sangamon (CVE26)	SALT
Santee (CVE29)	WHARF
Suwanee (CVE27)	SODA

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APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

Marine Calls

Unit	CW	VOICE
CG 3rd Division	3ZD	DALTON
Hq. 3rd Division	3ZT	DANUBE
ADC 3rd Division	4AI	DAYSTAR
Advance Message Center 3rd Division	4AX	DEBTOR
CO RCT 3	4BU	DEMITASSE
CO BLT 1/3	4CG	DERELICT
CO BLT 2/3	4CO	DESSERT
CO BLT 3/3	4CY	DIALPHONE
CO Weapons Co. RCT 3	4DR	DIMESTORE
CO RCT 9	4EW	DOCKET
CO BLT 1/9	4FG	DOESKIN
CO BLT 2/9	4FT	DOMINO
CO BLT 3/9	4GJ	DREXEL
CO Weapons Co. RCT 9	4HK	DUPLEX
CO RCT 21	4IB	ECLAIR
CO BLT 1/21	4IT	ELDORADO
CO BLT 2/21	4JE	ELKRIDGE
CO BLT 3/21	4JW	EMERSON
CO Weapons Co. RCT 21	4KN	ENRICO
CO Division Artillery (12th Mar)	4LF	EUREKA
CO 1st Bn. 12th Mar	4LR	EXAMPLE
CO 2nd Bn. 12th Mar	4MH	EXHIBIT
CO 3rd Bn. 12th Mar	4MZ	EZRA
CO 4th Bn. 12th Mar	4NP	FAIRPLAY
CO 5th Bn. 12th Mar	4OD	FALSTAFF
CO 19th Mar (Engineers)	4OX	FANTASIA
CO 1st Bn. 19th Mar	4PU	FIGARO
CO 2nd Bn. 19th Mar	4PZ	FILIBUSTER
CO 3rd Tank Battalion	4RM	FLAMELIKE
CO Reconnaissance Co. 3rd Division	4RY	FLASHY
CO 3rd AmphTrac Battalion	4SE	FLAXEN
CO 4th AmphTrac Battalion	4TA	FORUM
CO 1st Armored AmphTrac Battalion	4UL	FRITTER

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APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

Marine Calls (Cont'd)

CG 1st Provisional Brigade	5BY	HACKENSACK
Hq. 1st Provisional Brigade	5CH	HALLMARK
CO RCT 4	5CI	HAMBONE
CO BLT 1/4	5DC	HARDPAN
CO BLT 2/4	5DM	HARLEQUIN
CO BLT 3/4	5EC	HASSOCK
CO Weapons Co. RCT 4	5EI	HATBAND
CO RCT 22	5FD	HEATHER
CO BLT 1/22	5FY	HERMIT
CO BLT 2/22	5GS	HIPPODROME
CO BLT 3/22	5GT	HISTORIAN
CO Weapons Co. RCT 22	5HG	HODCARRIER
CO 1st Provisional Brigade Artillery	5HO	HOLDUP
CO 1st Bn. 1st Prov. Brig. Arty.	5HT	HOLLYHOCK
CO 2nd Bn. 1st Prov. Brig. Arty.	5IO	HOPECHEST
CO Co. A 11th AmphTrac Battalion	5IZ	HOUSEHOUND
CO ___ AmphTrac Bn. 1st Prov. Brig.	5JF	HORNBILL
CO ___ Armored Phib Bn. 1st Prov. Brig.	5JW	HOTSPUR
CO ___ Recon. Co. 1st Prov. Brig.	5KP	ICEMAN
CO 2nd Sep. Tank Company	5LB	IDOL
CG, SoLanFor	3AF	BOOKWORM
Hq. SoLanFor	3AM	BORDERLAND
Forward Message Center, SoLanFor	3BC	BOWTIE
Rear Echelon, SoLanFor	3BY	BRAGGART
Signal Officer, SoLanFor	3CI	BRANDYWINE
1st 155MM Arty. Bn., SoLanFor	3DA	BRICKLAYER
2nd 155MM Arty. Bn., SoLanFor	3DM	BRISTLE
Corps Reserve, SoLanFor	3EC	BUCCANEER

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APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

VOICE CALL	CW	SHIP
ABIGAIL	2AG	LONG
ACE HIGH	2AL	JOHN ROGERS
ACID	2AP	COMDESDIV 2
ACROPOLIS	2BG	HALFORD
ADROIT	2BT	WINDSOR
ALAMO	2CW	LST FLOT_____
ALCOHOL	2DF	ORMSBY
ALERT	2DJ	APPALACHIAN
ALMANAC	2EH	COMBATDIV 2
AMBUSH	2FG	CHENANGO
AMERICAN	2FJ	CORTDIV_____
AMULET	2FN	APc (APPEND HULL #)
ANCHOVY	2GB	BLACK
ANTIQUE	2GU	CTG 53.19
APE TRAINER	2HG	TITANIA
APEX	2HI	COMTRANSDIV 2
APRIL	2IB	FUELING GROUP (SHIPS RECEIVING FUEL)
ARCH ANGEL	2IA	MONTPELIER
ARROWHEAD	2JR	COMBATDIV 3
ARSON	2JX	SHILLDRAKE
ASIATIC	2KP	BELLEGROVE
ASPEN	2NT	PRES. ADAMS
ATLAS	2LF	SC (APPEND HULL #)
AUDITOR	2LY	HOGAN
AUDUBON	2ME	PRES. HAYES
AUTHOR	2MN	ABBOTT
BABYFACE	2MZ	GUEST
BACKWOODS	2NS	LIPAN
BADGER	2NV	TG 53.2
BANKER	2QA	CTG 53.10
BANQUET	2QG	HULL
BAREBACK	2QY	CSA TF 53, ASHORE
BARBARIAN	2QR	BIRMINGHAM
BASTILLE	2SG	PRES. MONROE
BATTLEAXE	2SK	ALL SHIPS CURRENT OPERATION

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APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

VOICE CALL	CW	SHIP
BAYWINDOW	2TC	TG 53.15
BENCHMARK	3VC	WHARTON
BLABBERMOUGH	2XC	WICHITA
BLAMELESS	2XO	W.P. BIDDLE
BLOWGUN	2YO	COMDR UNDERWATER DEMO UNITS
BODYGUARD	2ZK	PARKS
BOMBSHELL	2ZS	COM LST DIV_____
BONAPARTE	2ZT	COMDESDIV 1
BORNEO	3AP	COMDR SCREENING DD/DE
BOUQUET	3AV	CTG 53.3
BOVINE	3AW	CTG 53.8
BOXTHORN	3BG	TERRY
BRAINSTORM	3CB	JOHNSTON
BRAVADO	3CK	YOUNG AMERICA
BRAWNY	3CO	TG 53.7
BROKERSTIP	3DV	WARREN
BROOMSTICK	3DY	SALVAGE UNIT
BRUNETTE	3DZ	COMDESRON 49
BUFFALO	3EW	CETUS
CASHIER	3KS	J. H. KINKAID
CATGUT	3IH	HONOLULU
CAFETERIA	3HD	RIXEY
CHECKMATE	3MZ	SCHROEDER
CALICO	...	PHOTO PLANE #____, TF 53
CHEERIO	3ND	COMTRANSDIV 4
CHIGGER	3OM	SIGSBEE
CHOCOLATE	3OX	HARRISON
CLIENT	3QS	TG 53.16
CLIFFSIDE	3QT	MINRON_____
CLINKER	3QY	TG 53.18
COACHMAN	3RM	PERRY
COCAINE	3RQ	COMDESRON 1
COCONUT	3SF	ALOE
COGWHEEL	3SL	TG 53.17
COMMANDO	3TD	CTG 53.5

DECLASSIFIED

DECLASSIFIED

APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

VOICE CALL	CW	SHIP
CONGO	3TL	CSA TF 53
CORDITE	3UJ	IST GROUP
CORNCOB	3UP	CTG 53.6
COWBOYS		DDS UNDER MY COMMAND
CYCLONES	3YQ	BBS UNDER MY COMMAND
DEADLOCK	4AS	CORAL SEA
DEPOT	4CA	ZEILIN
DIESEL	4DN	LST DIV
DISCIPLE	4EK	CTG 53.11
DORA	4FU	COMTRANSDIV 6
DROPKICK	4GN	HAILEY
DUKE	4HA	BOAT GROUP COMMANDER
DWARF	4HS	COLAHAN
EGGPLANT	4IM	STANSBURY
ELECTION	4IU	IDAHO
EQUIPOISE	4KW	COMDESDIV 95
EXPOSITION	4MN	BULLARD
EYE	4MX	CONTROL OFFICER BEACHES
FACULTY	4NF	ANY OR ALL FS SHIPS AREA 3
FAIRGROUNDS	4NL	COMDESDIV 94
FAMOUS	4OH	TYPHOON
FINGERNAIL	4QA	AYLWIN
FIREBOX	4QC	CTG 53.18
FISHOCK	4QM	BRAINE
FLANAGAN	4RQ	CSA TF 53 STANDBY
FLYWEIGHT	4SO	COMDESDIV 49
FOOTBALL	4SU	FARRAGUT
FULLBLOODED	4VB	STEROPE
FURLOUGH	4VG	ANY OR ALL FS SHIPS AREA 7
GINGERSNAP	4XN	COMDESDIV 50
GISMO	4XR	SUWANNEE
GOLDWYN	4ZA	ERBEN
HAIR	5CB	TRANSPORTS BEACHMASTER
HEDGEHOG	5FK	FUELING UNIT
HOTCAKE	J 5HJ	TG 53.6

DECLASSIFIED

DECLASSIFIED

APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

VOICE CALL	CW	SHIP
HONEYSUCKLE	5IE	CARTER HALL
HORSEPOWER	5JM	COMCRUDIV 6
HOTFOOT	5JP	ALL TUG'S THIS NET
HOTCHKISS	5JS	DENT
IDEAL	5KZ	YP (APPEND HULL NUMBER)
INDEX	5LO	ALL TGC'S THIS NET
IRON DUKE	5MO	COMDESRON 50
JACKTAR	5NO	ALL SCREENING LD'S/DE'S
JENKINS	5OK	TRANSDIV BEACHMASTER (APPEND DIV NO.)
JERICO	5OM	NEW ORLEANS
JIFFY	5OY	COMCORTDIV
JOHN BULL	5PL	TG 53.4
JUBILLEE	5PO	APACHE
JUDAS	5PR	TG 53.11
KATINKA	5QU	FAYETTE
KEEPSAKE	5RD	MURRAY
KEROSENE	5PX	GRAPPLE
KILLERS	---	CA'S/CL'S UNDER MY COMMAND
KODAK	5UE	CTG 53.1
LABOR	5UM	HAGGARD
LAFAYETTE	5VR	COMDESRON 48
LAWMAKER	5XR	NEW MEXICO
LOCOWEED	6AC	PRES. JACKSON
LONESTAR	---	AIR LIAISON OBSERVER #____(airborne)TF53
LONG CLASS	6AX	ANY AIRPLANE SPOTTING FOR SHORE BASED ARTILLERY TF 53
LOTTERY	6BP	CTG 53.4
LULLABY	6CT	LEVY
MADONNA	6DH	CTG 53.14
MAESTRO	6DP	PENNSYLVANIA
MAGNETO	6EB	CTG 53.12
MAGNOLIA	6EC	MINNEAPOLIS
MAKESHIFT	6EO	DRACO
MALICIOUS	6EY	CHAUNCEY
MAPMAKER	6FR	CTG 53.13

DECLASSIFIED

RESTRICTED

APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

VOICE CALL	CW	SHIP
MASCOT	6GQ	CENTAURUS
MECHANIC	6IC	CTG 53.17
MERRIMAC	6IQ	ACREE
MESSENGER	6IV	PRES. POLK
MICA	6JE	LST (append hull number)
MIMIC	6KB	COMTRANSDIV 24
MODIFY	6LK	HALE
MOLLASSES	6LV	LCT DIV _____
MOONSTRUCK	6NR	LCT GROUP _____
MORGAN	6NX	COMDESDIV 90
MORTGAGE	6OE	TG 53.10
MOUSTACHE	6OP	COMCARDIV 24
MUSTANG	6PT	COMDESDIV 89
NIAGARA	6RC	TG 53.1
NIGHTHAWK	6RF	CORREGIDOR
NOBLEMAN	6RK	RINGGOLD
NOMAD	6RP	CTG 53.2 (COMDR NAVAL GUNFIRE SUPPORT 4010 kcs)
NOONTIDE	6RW	DUPAGE
OMNIBUS	6UT	PHELPS
ONESTEP	6UY	DIONNE
ORGANIST	6VR	EPPING FOREST
ORPHAN	6WF	TRANSDIV BOAT FLOTILLA COMMANDER
ORTHODOX	6WI	COHCAROLI
OTHELLO	6WP	LCT FLOT _____
OXYDOL	6XU	STEMBEL
PACKRAT	6YG	COMDESRON 45
PALISADE	6YP	SKYLARK
PANZER	6ZI	TF 53
PAPOOSE	6ZN	COMCARDIV 22
PARTNER	7AF	MONAGHAN
PASTEBOARD	7AK	DASHIELL
PATRICK	7AV	ALL TFC'S CURRENT OPERATION
PIGIRON	7ER	MCCONNELL
PINCHER	7FH	COMBATDIV 4
PLYWOOD	7GU	MCKEE
PORT	---	PORT LCS (APPEND PARENT SHIP HULL #)

[redacted]

APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (Continued)

VOICE CALL	CW	SHIP
PUNCHBOWL	7JI	FRANKS
PUSSYFOOT	7JS	STEVENS
QUANTICO	7KG	SANGAMON
RACEHORSE	7LD	HOPKINS
RATHOLE	7MQ	ALL SHIPS PRESENT
RATTLETRAP	7MR	HUDSON
REPUBLIC	7PH	CTG 53.9
RETREIVER	7PL	LIBRA
RINGTAIL	7QW	KIDD
RIVET	7RG	COMTRANSDIV 8
ROADHOUSE	7RK	DALE
ROEBUCK	7SV	COMLSTGROUP _____
ROMEO	7TC	YMS (APPEND HULL #)
ROONEY	7TE	PC(s) (APPEND HULL #)
ROOSTER	7TF	ELMORE
ROSEMARY	7TM	TG 53.19
ROUGHCUT	7TN	MINDIV _____
ROYALTY	7TY	WILLIAMSON
SADDLEBAG	7UZ	COMLSTFLOT _____
SAHIB	7VI	FULLAM
SALESMAN	7VQ	CTG 53.16
SAMSON	7WR	CTG 53.7
SANDWICH	7WY	GEORGE CLYMER
SAUCY	7XI	HOLLY
SCIVVY	7YE	PC (APPEND HULL #)
SCHENLEY	7YB	COMDESRON 25
SCOOTER	7YF	TRANSGROUP BEACHMASTER
SCRAPPY	7YL	SALVAGE BOAT
SEE SAW	7ZJ	COMCRUDIV 9
SENATOR	7ZO	TG 53.9
SHAKER	7ZY	LCI(G) (APPEND HULL #)
SHATTERPROOF	8AT	WALKER
SHATTUCK	8AV	WAYNE
SHERLOCK	8BT	COMINRON _____
SHOPLIFTER	8CM	MACDONOUGH

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APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (Continued)

VOICE CALL	CW	SHIP
SINGAPORE	8DV	STARLING
SLANDER	8EZ	LCT (APPEND HULL #)
SLOCUM	8FG	LCI(L) (APPEND HULL #)
SLOWPOKE	8FM	LEEDSTOWN
SMOKY JOE	...	SMOKE PLANES, FLIGHT LEADER, TF 53
SMOOTHY	8FZ	SANTEE
SOAPSUDS	8GV	CANFIELD
SPARKPLUG	8IE	TG 53.12
SPILLWAY	8IO	SWALLOW
STABLEBOY	8JC	COMINDIV_____
STAINLESS	8JI	SHAW
STARBOARD	8JO	STARBOARD LCS (APPEND PARENT SHIP HULL #)
STARLIGHT	8JR	TG 53.3
STEADFAST	8JV	SAN FRANCISCO
STRANGLER	8LR	TG 53.5
SUGARFOOT	8LY	TG 53.13
SUNBEAM	8MD	VIRGO
SURGEON	8NA	LCI GROUP_____
TABLET	8OI	GUNSTON HALL
TARPAULIN	8OU	AGENOR
TEAKWOOD	8PI	LCI FLOT_____
TERMITE	8RB	AQUARIUS
TIDBIT	8SG	COM LCI FLOT_____
TITWILLOW	8TC	WADSWORTH
TOBOGGAN	8TN	COM LCI GROUP_____
TOMATO	8TS	CLEVELAND
TORSO	8WA	TG 53.14
TOURIST	8WI	COM LCI DIV_____
TRAMCAR	8WZ	ANTHONY
TUBBY	8YJ	CTG 53.15
TUXEDO	8ZE	TRANSGROUP CONTROL OFFICER
VICTOR ZANY	...	COMMANDER LVT WAVE
UKELELE	8ZT	COMCRUDIV 12
UMBRELLA	9AD	LCI DIV
UNICORN	9AP	HAMILTON

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[redacted]

APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

VOICE CALL	CW	SHIP
UPRIGHT	9AS	TALBOT
VANITY	9CE	ARA
VARNISH	9CH	DEWEY
VICKY	9DG	COMDR OUTER SCREEN
VODVIL	9EH	LCC (APPEND LAST 2 DIGITS OF HULL #)
VOLUNTEER	9FB	ALL STATIONS THIS CIRCUIT
WALLET	9GO	COM LCT FLOT____
WARRIOR	9HC	BENNETT
WARHORSE	9HE	CTF 53 (COMDR NAV GUNFIRE SUP 3905 KCS)
WATERMELON	9HS	COM LCT GROUP____
WAXWORK	9ID	CRESCENT CITY
WEBSTER	9IO	ST LOUIS
WESTBROOK	9GJ	HARRY LEE
WHIRLIGIG	9KL	COM LCT DIV____
WHIRLPOOL	9KM	COMDESDIV 96
WHISKBROOM	9KO	TG 53.8
WILDERNESS	9LM	CAPE SAN MARTIN
WORKSHOP	9NQ	COMDR FIRE SUPPORT GROUP TF 53
YULETIDE	9QO	OSTERHAUS
ZANY	9QW	BOAT WAVE COMMANDER
ZOMBY	9RT	BARON

SECTION CALLS

Where indicated in task organization may be formed by appending word "slant" plus the section number to the unit calls.

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MARINE CALLS

UNIT	VOICE
SOUTHERN LANDING FORCE	
CG, SOLANFOR	BOOKWORM
HQ, SOLANFOR	BORDERLAND
FWD MSG CEN	BOWTIE
REAR ECHELON	BRAGGART
SIGNAL OFFICER	BRANDYWINE
1ST 155MM ARTY BN	BRICKLAYER
2ND 155MM ARTY BN	BRISTLE
CORPS RESERVE, SOLANFOR	BUCCANEER
THIRD MARINE DIVISION	
CG 3RD DIV	DALTON
HQ 3RD DIV	DANUBE
ADC 3RD DIV	DAYSTAR
ADV MSG CEN, 3RD DIV	DEBTOR
CO RCT 3	DEMITASSE
CO BLT 1/3	DERELICT
CO BLT 2/3	DESSERT
CO BLT 3/3	DIALPHONE
CO WEAPONS CO, RCT 3	DIMESTORE
CO RCT 9	DOCKET
CO BLT 1/9	DOESKIN
CO BLT 2/9	DOMINO
CO BLT 3/9	DREXEL
CO WEAPONS CO, RCT 9	DUPLEX
CO RCT 21	ECLAIR
CO BLT 1/21	ELDORADO
CO BLT 2/21	ELKRIDGE
CO BLT 3/21	EMERSON
CO WEAPONS CO, RCT 21	ENRICO
CO DIV ARTY (12TH MAR)	EUREKA
CO 1ST BN, 12TH MAR	EXAMPLE
CO 2ND BN, 12TH MAR	EXHIBIT
CO 3RD BN, 12TH MAR	EZRA
CO 4TH BN, 12TH MAR	FAIRPLAY
CO 5TH BN, 12TH MAR	FALSTAFF

UNIT	VOICE
THIRD MARINE DIVISION (CONT)	
CO 19TH MAR (ENGR)	FANTASIA
CO 1ST BN, 19TH MAR	FIGARO
CO 2ND BN, 19TH MAR	FILIBUSTER
CO 3RD TANK BN	FLAMELIKE
CO RECON CO, 3RD DIV	FLASHY
CO 3RD AMPHTRACBN	FLAXEN
CO 4TH AMPHTRACBN	FORUM
CO 1ST ARMAMPHIBBN	FRITTER
1ST PROVISIONAL BRIGADE	
CG 1ST PROV BRIG	HACKENSACK
HQ 1ST PROV BRIG	HALLMARK
CO RCT 4	HAMBONE
CO BLT 1/4	HARDPAN
CO BLT 2/4	HARLEQUIN
CO BLT 3/4	HASSOCK
CO WEAPONS CO, RCT 4	HATBAND
CO RCT 22	HEATHER
CO BLT 1/22	HERMIT
CO BLT 2/22	HIPPODROME
CO BLT 3/22	HISTORIAN
CO WEAPONS CO RCT22	HODCARRIER
CO 1ST PROV BRIG ARTY	HOLDUP
CO 1ST BN	HOLLYHOCK
CO 2ND BN	HOPECHEST
CO CO A 11TH AMPHTRACBN	HOREHOUND
CO __AMPHTRACBN	HORNBILL
CO __ARM'DPHIBBN	HOTSPUR
CO __RECONN CO	ICEMAN
CO 2ND SEP TANK CO	IDOL

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COMPANY AND BATTERY VOICE CALLS WILL BE FORMED BY ADDING "ABLE", ETC., TO THE BASIC CALL OF THE BATTALION OR OTHER PARENT ORGANIZATION. LIKEWISE, PLATOON CALLS WILL BE FORMED BY ADDING "ONE", "TWO", ETC., TO THE VOICE CALL OF THE PARENT ORGANIZATION.

TELEPHONE DIRECTORY

ONE -- G-1 (PERSONNEL)
TWO -- G-2 (INTELLIGENCE)
THREE -- G-3 (OPERATIONS)
FOUR -- G-4 (SUPPLY)
FIVE -- CHIEF OF STAFF
SIX --- COMMANDING OFFICER

ENCLOSURE "A" TO APPENDIX 2
CTF 53 OPERATION PLAN A162-44

DECLASSIFIED

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SECRET

MARINE CALLS

UNIT	VOICE
SOUTHERN LANDING FORCE	
CG, SOLANFOR	BOOKWORM
HQ, SOLANFOR	BORDERLAND
FWD MSG CEN	BOWTIE
REAR ECHELON	BRAGGART
SIGNAL OFFICER	BRANDYWINE
1ST 155MM ARTY BN	BRICKLAYER
2ND 155MM ARTY BN	BRISTLE
CORPS RESERVE, SOLANFOR	BUCCANEER
THIRD MARINE DIVISION	
CG 3RD DIV	DALTON
HQ 3RD DIV	DANUBE
ADC 3RD DIV	DAYSTAR
ADV MSG CEN, 3RD DIV	DEBTOR
CO RCT 3	DEMITASSE
CO BLT 1/3	DERELICT
CO BLT 2/3	DESSERT
CO BLT 3/3	DIALPHONE
CO WEAPONS CO, RCT 3	DIMESTORE
CO RCT 9	DOCKET
CO BLT 1/9	DOESKIN
CO BLT 2/9	DOMINO
CO BLT 3/9	DREXEL
CO WEAPONS CO, RCT 9	DUPLEX
CO RCT 21	ECLAIR
CO BLT 1/21	ELDORADO
CO BLT 2/21	ELKRIDGE
CO BLT 3/21	EMERSON
CO WEAPONS CO, RCT 21	ENRICO
CO DIV ARTY (12TH MAR)	EUREKA
CO 1ST BN, 12TH MAR	EXAMPLE
CO 2ND BN, 12TH MAR	EXHIBIT
CO 3RD BN, 12TH MAR	EZRA
CO 4TH BN, 12TH MAR	FAIRPLAY
CO 5TH BN, 12TH MAR	FALSTAFF

UNIT	VOICE
THIRD MARINE DIVISION (CONT)	
CO 19TH MAR (ENGR)	FANTASIA
CO 1ST BN, 19TH MAR	FIGARO
CO 2ND BN, 19TH MAR	FILIBUSTER
CO 3RD TANK BN	FLAMELIKE
CO RECON CO, 3RD DIV	FLASHY
CO 3RD AMPHTRACBN	FLAXEN
CO 4TH AMPHTRACBN	FORUM
CO 1ST ARMAMPHIBBN	FRITTER
1ST PROVISIONAL BRIGADE	
CG 1ST PROV BRIG	HACKENSACK
HQ 1ST PROV BRIG	HALLMARK
CO RCT 4	HAMBONE
CO BLT 1/4	HARDPAN
CO BLT 2/4	HARLEQUIN
CO BLT 3/4	HASSOCK
CO WEAPONS CO, RCT 4	HATBAND
CO RCT 22	HEATHER
CO BLT 1/22	HERMIT
CO BLT 2/22	HIPPODROME
CO BLT 3/22	HISTORIAN
CO WEAPONS CO RCT22	HODCARRIER
CO 1ST PROV BRIG ARTY	HOLDUP
CO 1ST BN	HOLLYHOCK
CO 2ND BN	HOPECHEST
CO CO A 11TH AMPHTRACBN	HOREHOUND
CO __AMPHTRACBN	HORNBILL
CO __ARM'DPHIBBN	HOTSPUR
CO __RECONN CO	ICEMAN
CO 2ND SEP TANK CO	IDOL

****

COMPANY AND BATTERY VOICE CALLS WILL BE FORMED BY ADDING "ABLE", ETC., TO THE BASIC CALL OF THE BATTALION OR OTHER PARENT ORGANIZATION. LIKEWISE, PLATOON CALLS WILL BE FORMED BY ADDING "ONE", "TWO", ETC., TO THE VOICE CALL OF THE PARENT ORGANIZATION.

TELEPHONE DIRECTORY

ONE -- G-1 (PERSONNEL)
TWO -- G-2 (INTELLIGENCE)
THREE -- G-3 (OPERATIONS)
FOUR -- G-4 (SUPPLY)
FIVE -- CHIEF OF STAFF
SIX --- COMMANDING OFFICER

DECLASSIFIED

TASK ORGANIZATION CALLS

COMMAND	VOICE
CTF 53 (APPALACHIAN)	WARHORSE
TF 53 (SO ATTACKFOR)	PANZER
CTG 53.1 (APPALACHIAN)	KODAK
TG 53.1 (NORATTGROUP)	NIAGARA
CTU 53.1.1 (IN APPALACHIAN)	
TU 53.1.1 (SALVAGE UNIT)	
CTU 53.1.2 (DENT)	
TU 53.1.2 (RECON-DEMO UNIT)	
CTU 53.1.3 (WILLIAMSON)	
TU 53.1.3 (SEAPLANE RESERVICE)	
CTG 53.2 (GEO CLYMER)	NOMAD
TG 53.2 (SOATTGROUP)	BADGER
CTU 53.2.1 (RINGGOLD)	
TU 53.2.1 (TRANSPORT SCREEN)	
CTU 53.2.2 (WILLIAMSON)	
TU 53.2.2 (SEAPLANE RESERVICE)	
CTU 53.2.3 (LIPAN)	
TU 53.2.3 (SALVAGE UNIT)	
CTU 53.2.4 (TALBOT)	
TU 53.2.4 (RECON-DEMO UNIT)	
CTG 53.3 (DUPAGE)	BOUQUET
TG 53.3 (NORTRANSGRP)...STARLIGHT	
CTU 53.3.1 (PRES JACKSON)	
TU 53.3.1 (TRANSDIV 2)	
CTU 53.3.2 (CRESCENT CITY)	
TU 53.3.2 (TRANSDIV 8)	
CTU 53.3.3 (DUPAGE)	
TU 53.3.3 (TRANSDIV 24)	
CTU 53.3.4 (EPPING FOREST)	
TU 53.3.4 (LSD DIV ONE)	
CTU 53.3.5 (JOHN RODGERS)	
TU 53.3.5 (TRANSPORT SCREEN)	
CTU 53.3.6 (LST 468)	
TU 53.3.6 (LST UNIT #3)	
CTU 53.3.7 (STEMBEL)	
TU 53.3.7 (CONTROL UNIT)	
CTU 53.3.8 (LCI 466)	
TU 53.3.8 (LCI(G) UNIT)	
CTG 53.4 (ZEILIN)	LOTTERY
TG 53.4 (SOTRANSGRP)	JOHN BULL
CTU 53.4.1 (ZEILIN)	
TU 53.4.1 (TRANSDIV 4)	
CTU 53.4.2 (FAYETTE)	
TU 53.4.2 (TRANSDIV 6)	
CTU 53.4.3 (CARTER HALL)	
TU 53.4.3 (LSD UNIT)	
CTU 53.4.4 (LST 276)	
TU 53.4.4 (LST UNIT #4)	
CTU 53.4.5 (RINGGOLD)	
TU 53.4.5 (CONTROL UNIT)	
CTU 53.4.6 (LCI 442)	
TU 53.4.6 (LCI(G) UNIT)	

(NOTE: UNIT CALLS -- BOTH COMMAND AND COLLECTIVE -- ARE GENERATED BY APPENDING THE TASK UNIT NUMBER TO THE GROUP CALL.

SECTION CALLS -- WHERE INDICATED IN TASK ORGANIZATION -- MAY BE FORMED BY APPENDING THE WORD "SLANT" PLUS THE SECTION NUMBER TO THE UNIT CALLS.)

COMMAND	VOICE
CTG 53.5 (HONOLULU)	COMMANDO
TG 53.5 (FIRESUPGRP)	STRANGLER
CTU 53.5.1 (NEW MEXICO)	
TU 53.5.1 (FSU #1)	
CTU 53.5.2 (HONOLULU)	
TU 53.5.2 (FSU #2)	
CTU 53.5.3 (WICHITA)	
TU 53.5.3 (FSU #3)	
CTU 53.5.4 (MURRAY)	
TU 53.5.4 (FSU #4)	
CTU 53.5.5 (MCKEE)	
TU 53.5.5 (FSU #5)	
CTU 53.5.6 (PENNSYLVANIA)	
TU 53.5.6 (FSU #6)	
CTU 53.5.7 (JOHN RODGERS)	
TU 53.5.7 (FSU #7)	
CTG 53.6 (SHELLDRAKE)	CORNCOB
TG 53.6 (MINE-HYDRO)	HOECAKE
CTU 53.6.1 (SHELLDRAKE)	
TU 53.6.1 (SWEEP UNIT #3)	
CTU 53.6.2 (YMS 281)	
TU 53.6.2 (SWEEP UNIT #4)	
CTG 53.7 (SANGAMON)	SAMSON
TG 53.7 (CARRIER GROUP)	BRAWNY
CTU 53.7.1 (SANGAMON)	
TU 53.7.1 (CARDIV 22)	
CTU 53.7.2 (CORREGIDOR)	
TU 53.7.2 (CARDIV 24)	
CTU 53.7.3 (ERBEN)	
TU 53.7.3 (CARDIV 22 SCREEN)	
CTU 53.7.4 (BULLARD)	
TU 53.7.4 (CARDIV 24 SCREEN)	
CTG 53.8	BOVINE
TG 53.8 (SOLANDFOR)	WHISK BROOM
CTG 53.9 (SKYLARK)	REPUBLIC
TG 53.9 (MINE-HYDRO)	SENATOR
CTU 53.9.1 (SKYLARK)	
TU 53.9.1 (SWEEP UNIT #1)	
CTU 53.9.2 (YMS 216)	
TU 53.9.2 (SWEEP UNIT #2)	
CTG 53.10	BANKER
TG 53.10 (NORLANDFOR)	MORTGAGE
CTG 53.11 (YOUNG AMER.)	DISCIPLE
TG 53.11 (GARGROUP 4A)	JUDAS
CTG 53.12	MAGNETO
TG 53.12	SPARKPLUG
CTG 53.13 (FULLAM)	MAPMAKER
TG 53.13 (SANTO GRP2)	SUGARFOOT
CTG 53.14 (NEW MEXICO)	MADONNA
TG 53.14 (EFATE GROUP)	TORSO
CTU 53.14.1 (NEW MEXICO)	
TU 53.14.1 (BATDIV 3)	
CTU 53.14.2 (ANTHONY)	
TU 53.14.2 (DESDIV 90)	
CTG 53.15 (HONOLULU)	TUBBY
TG 53.15 (BMBDT GRP2)	BAYWINDOW
CTG 53.16 (STEMBEL)	SALESMAN
TG 53.16 (TRACTOR GRP3)	CLIENT
CTG 53.17 (BLACK)	MECHANIC
TG 53.17 (TRACT GRP4)	COGWHEEL
CTG 53.18 (MONTPELIER)	FIREBOX
TG 53.18 (CRUDIV 12)	CLINKER
CTG 53.19 (HONOLULU)	ANTIQUE
TG 53.19 (PURVIS GRP)	ROSEMARY

CTG 51.3	DINGHY
TU 51.3	SUNDIAL
CTG 51.6	STOVEPIPE
TU 51.6	TORNADO
CTG 51.7	ALLEGRO
TU 51.7	PASSPORT
CTU 51.17.2	SNOWFLAKE 2
TU 51.17.2	REPORTER 2

SPECIAL CALLS

STATION	VOICE
ALL SHIPS PRESENT	RAT HOLE
ALL SHIPS THIS OPERATION	BATTLEAXE
ALL TFC THIS OPERATION	PATRICK
ALL TGC THIS NET	INDEX
ALL TUC THIS NET	HOTFOOT
ALL STATIONS THIS NET	VOLUNTEER
COM OUTER SCREEN (VARIOUS CIRCLES APPEND #)	VICKY
COM SCREENING DD/DE'S	BORNEO
SCREENING DD/DE'S	JACKTAR

STATION	VOICE
FUELING UNIT	HEDGEHOG
FUELING GROUP (RECEIVING)	APRIL
SALVAGE UNIT	BROOMSTICK
DD'S MY COMMAND	COWBOYS
CA/CL'S MY COMMAND	KILLERS
BB'S MY COMMAND	CYCLONES
(EMERGENCY USE -- APPEND HULL NUMBER OR PREFIX TASK GROUP VOICE CALL.)	

ADMINISTRATIVE CALLS

COMBATDIV 2	ALMANAC
COMBATDIV 3	ARROWHEAD
COMCARDIV 22	PAPOOSE
COMCARDIV 24	MOUSTACHE
COMCRUDIV 6	HORSEPOWER
COMCRUDIV 9	SEESAW
COMCRUDIV 12	UKELELE
COMDESDIV 1	BONAPARTE
COMDESDIV 2	ACID
COMDESDIV 49	FLYWEIGHT
COMDESDIV 50	GINGERSNAP
COMDESDIV 89	MUSTANG
COMDESDIV 90	MORGAN
COMDESDIV 94	FAIRGROUNDS
COMDESDIV 95	EQUIPOISE
COMDESDIV 96	WHIRLPOOL

COMDESRON 1	COCAINE
COMDESRON 25	SCHENLEY
COMDESRON 45	PACK RAT
COMDESRON 48	LAFAYETTE
COMDESRON 49	BRUNETTE
COMDESRON 50	IRON DUKE
(COLLECTIVE CALL - APPEND GANG *****)	
COMCORTDIV	JIFFY
CORTDIV	AMERICAN
COMINRON	SHERLOCK
MINRON	CLIFFSIDE
COMINDIV	STABLEBOY
MINDIV	ROUGHCUT
(APPEND APPROPRIATE NUMBER OF ORGANIZATION TO CALL)	

SHIPS' CALLS

SHIP	VOICE
ABBOT	AUTHOR
ACREE	MERRIMAC
AGENOR	TARPAULIN
ALOE	COCONUT
ANTHONY	TRAMCAR
APJ #E	JUBILEE
APC #___	AMULET
APPALACHIAN	ALERT
AQUARIUS	TERMITE
ARA	VANITY
AYLWIN	FINGERNAIL
BARON	ZOMBY
BELLE GROVE	ASIATIC
BENNETT	WARRIOR
BIRMINGHAM	BARBARIAN
BLACK	ANCHOVY
BRAINE	FISH HOOK
BULLARD	EXPOSITION
CANFIELD	SOAPSUDS
CAPE SAN MARTIN	WILDERNESS
CARTER HALL	HONEYSUCKLE
CENTAURUS	MASCOT
CETUS	BUFFALO
CHAUNCEY	MALICIOUS
CHENANGO	AMBUSH
CLEVELAND	TOMATO
COLAHAN	DWARF
CORAL SEA	DEADLOCK
CORREGIDOR	NIGHTHAWK
CRESCENT CITY	WAXWORK
CORGAROLI	ORTHODOX
DALE	ROADHOUSE
DASHIELL	PASTEBOARD
DENT	HOTCHKISS
DEWEY	VARNISH
DIONNE	ONE STEP
DRACO	MAKESHIFT
DUPAGE	NOONTIDE
ELVORE	ROOSTER
EPPING FOREST	ORGANIST
ERBEN	GOLDWYN
FARRAGUT	FOOTBALL
FAYETTE	KATINKA
FRANKS	PUNCHBOWL
FULLAM	SAHIB
GEORGE CLYMER	SANDWICH
GRAPPLE	KEROSENE
GUEST	BABYFACE
GUNSTON HALL	TABLET
HAGGARD	LABOR
HAILEY	DROPKICK
HALE	MODIFY
HALFORD	ACROPOLIS
HAMILTON	UNICORN
HARRISON	CHOCOLATE
HARRY LEE	WESTBROOK
HOGAN	AUDITOR
HOLLY	SAUCY
HONOLULU	CATGUT
HOPKINS	RACEHORSE
HUDSON	RATTLETRAP
HULL	BANQUET
IDAHO	ELECTION
J H KINCAID	CASHIER
JOHN ROGERS	ACE HIGH
JOHNSTON	BRAINSTORM
KIDD	RINGTAIL
LEVY	LULLABY
LEEDSTOWN	SLOWPOKE
LIBRA	RETRIEVER

SHIP	VOICE
LIPAN	BOUQUET
LONG	ABIGAIL
LST #___	ANGEL
LCS (PARENT HULL #)	ANVIL
LCI (G) #___	ARMED
LCT #___	SLANDER
LST #___	MICA
MACDONOUGH	SHOPLIFTER
MCCONNELL	PIGIRON
MCKEE	PLYWOOD
MINNEAPOLIS	MAGNOLIA
MONAGHAN	PARTNER
MONTPELIER	ARCH ANGEL
MURRAY	KEEPSAKE
NEW MEXICO	LAWMAKER
NEW ORLEANS	JERICHO
ORNSBY	ALCOHOL
OSTERHAUS	YULETIDE
PARKS	BODYGUARD
PENNSYLVANIA	MAESTRO
PERRY	COACHMAN
PHELPS	OMNIBUS
PRES ADAMS	ASPEN
PRES HAYES	AUDUBON
PRES JACKSON	LOCOWEED
PRES MONROE	BASTILLE
PRES POLK	MESSENGER
PC	SCIVVY
PC (S)	ROONEY
RINGGOLD	NOBLEMAN
RIXEY	CAFETERIA
SAN FRANCISCO	STEADFAST
SANGAMON	QUANTICO
SANTEE	SMOOTHY
SCHROEDER	CHECKMATE
SC #___	ATLAS
SHAW	STAINLESS
SHELLDRAKE	ARSON
SIGSBEE	CHIGGER
SKYLARK	PALISADE
SOUTH AFRICAN VICTORY	
STANSBURY	EGGPLANT
STARLING	SINGAPORE
STEMBEL	OXYDOL
STEROPE	FULLBLOODED
STEVENS	PUSSYFOOT
ST LOUIS	WEBSTER
SUWANEE	GISMO
SWALLOW	SPILLWAY
TALBOT	UPRIGHT
TERRY	BOXTHORN
TITANIA	APE TRAINER
TYPHOON	FAMOUS
U S VICTORY	
VIRGO	SUNBEAM
WADSWORTH	TITWILLOW
WALKER	SHATTERPROOF
WARREN	BROKERS TIP
WAYNE	SHATTUCK
WHARTON	BENCHMARK
WICHITA	BLABBERMOUTH
W P BIDDLE	BLAMELESS
WILLIAMSON	ROYALTY
WINDSOR	ADROIT
YP #___	IDEAL
YMS #___	ROMEO
YOUNG AMERICA	
ZEILIN	DEPOT

BOAT AND BEACH CALLS

TRANSGROUP CONTROL OFFICER (APPEND GROUP NUMBER)	TUXEDO
TRANSGROUP BEACHMASTER (APPEND GROUP NUMBER)	SCOOTER
TRANSDIV BOAT FLOT COMMANDER (APPEND DIV NUMBER)	ORPHAN
TRANSDIV BEACHMASTER (APPEND DIV NUMBER)	JENKINS
CONTROL OFFICER BEACHES (PREFIX COLOR APPEND #)	EYE
TRANSPORT BEACHMASTER (PREFIX COLOR APPEND #)	HAIR
BOAT GROUP COMMANDER (APPEND APA HULL #)	DUKE
BOAT WAVE COMMANDER (PREFIX # APPEND BEACH)	ZANY
COMMANDER LVT WAVE (PREFIX # APPEND BEACH)	V ZANY
SALVAGE BOAT (APPEND APA HULL #)	SCRAPPY
CMDR UNDERWATER DEMO UNITS (INDIVIDUAL UNITS ADD #)	BLOWGUN
LCC (ADD LAST 2 #'S HULL)	VODVIL
LCS (APPEND PARENT HULL #)	PORT - STAR'D

SHIP-SHORE ADMIN CALLS

COMTRANSDIV 2	APEX
COMTRANSDIV 4	CHEERIO
COMTRANSDIV 6	DORA
COMTRANSDIV 8	RIVET
COMTRANSDIV 24	MIMIC
(COLLECTIVE CALL - ADD "GANG")	
COM LCI FLOT	TIDBIT
LCI FLOT	TEAKWOOD
COM LCI GROUP	TOBOGGAN
LCI GROUP	SURGEON
COM LCI DIV	TOURIST
LCI DIV	UMBRELLA
COM LCT FLOT	WALLET
LCT FLOT	OTHELLO
COM LCT GROUP	WATERMELON
LCT GROUP	MOONSTRUCK
COM LCT DIV	WHIRLIGIG
LCT DIV	MOLASSES
COM LST FLOT	SADDLEBAG
LST FLOT	ALAMO
COM LST GROUP	ROEBUCK
LST GROUP	CORDITE
COM LST DIV	BOMBSHELL
LST DIV	DIESEL
(APPEND APPROPRIATE NUMBER)	

ENCLOSURE "A" TO APPENDIX "2"
CTF OPERATION PLAN A162-44

NECODE SECTION

ABIGAIL	LONG	MAGNOLIA
ACE HIGH	JOHN RODGERS	MAKESHIFT
ACID	COMDESDIV 2	MALICIOUS
APE	HALFORD	MAPMAKER
ARMOR	MANDOR	MASCOT
AMOY	PILOT	MECHANIC
ARCHOR	CRABBY	MESSENGER
ARMY	APACHEMAN	MICA
AUTOMATIC	COMDESDIV 2	MIMIC
AMBUSH	ORENANGO	MODIFY
AMERICAN	CORTDIV	MOLASSES
AMULET	APC	MOONSTRUCK
ANCHOVY	BLACK	MORGAN
ANTIQUE	CTG 53.19	MORTGAGE
APE TRAINER	TITANIA	MOUSTACHE
APEX	COMTRANSDIV 2	MUSTANG
APRIL	FUELING SHIPS	NIAGARA
ARCH ANGEL	MONTPELIER	NIGHTHAWK
ARSON	SHELLDRAKE	NOBLEMAN
ASIATIC	BELLE GROVE	NOMAD
ASPEN	PRES ADAMS	NOONTIDE
ATLAS	SC	OMNIBUS
AUDITOR	HOGAN	ONE STEP
AUDUBON	PRES HAYES	ORGANIST
AUTHOR	ABBOT	ORTHODOX
BABYFACE	GUEST	OTHELLO
BACKWOODS	LIPAN	OXYDOL
BADGER	TG 53.2	PACKRAT
BANKER	CTG 53.10	PALISADE
BANQUET	HULL	PANZER
BARBARIAN	BIRMINGHAM	PAPOOSE
BASTILLE	PRES MONROE	PARTNER
BATTLEAXE	ALL SHIPS CURRENT OP	PASTEBOARD
BAYWINDOW	TG 53.15	PATRICK
BENCHMARK	WHARTON	PIGIRON
BLABBERMOUTH	WICHITA	PLYWOOD
BLAMELESS	W P BIDDLE	PUNCHBOWL
BODYGUARD	PARKS	PUSSYFOOT
BOMBSHELL	COM LST DIV	QUANTICO
BONAPARTE	COMDESDIV 1	RACEHORSE
BORNEO	COMSCREENING DD/DE'S	RAT HOLE
BOUQUET	CTG 53.3	RATTLETRAP
BOVINE	CTG 53.8	REPUBLIC
BOXTHORN	TERRY	RETRIEVER
BRAINSTORM	JOHNSTON	RINGTAIL
BRAWNY	TG 53.7	RIVET
BROKERS TIP	WARREN	ROADHOUSE
BROOMSTICK	SALVAGE UNIT	ROEBUCK
BRUNETTE	COMDESRON 49	ROMEO
BUFFALO	CETUS	ROOSTER
CAFETERIA	RIXEY	ROSEMARY
CASHIER	J H KINCAID	ROUGHCUT
CATGUT	HONOLULU	ROYALTY
CHECKMATE	SCHROEDER	SADDLEBAG
CHEERIO	COMTRANSDIV 4	SAHIB
CHIGGER	SIGSBEE	SALESMAN
CHOCOLATE	HARRISON	SAMSON
CLIENT	TG 53.16	SANDWICH
CLIFFSIDE	MINRON	SAUCY
CLINKER	TG 53.18	SCHENLEY
COACHMAN	PERRY	SCIVVY
COCAINE	COMDESRON 1	SEESAW
COGWHEEL	TG 53.17	SENATOR
COCONUT	ALOE	SHAKER
COMMANDO	CTG 53.5	SHATTERPROOF
CORDITE	LST GROUP	SHATTUCK
CORNCOB	CTG 53.6	SHERLOCK
COWBOYS	DD'S	SHOPLIFTER
CYCLONES	BB'S	SINGAPORE
DEADLOCK	CORAL SEA	SLANDER
DEPOT	ZEILIN	SLOW POKE
DIESEL	LST DIV	SMOOTHY
DISCIPLE	CTG 53.11	SOAPSUDS
DORA	COMTRANSDIV 6	SPARKPLUG
DROPKICK	HAILEY	SPILLWAY
DWARF	COLAHAN	STABLEBOY
EGGPLANT	STANSBURY	STAINLESS
ELECTION	IDAHO	STARLIGHT
EQUIPOISE	COMDESDIV 95	STEADFAST
EXPOSITION	BULLARD	STRANGLER
FAIRGROUNDS	COMDESDIV 94	SUGARFOOT
FAMOUS	TYPHOON	SUNBEAM
FINGERNAIL	AYLWIN	SURGEON
FIREBOX	CTG 53.18	TABLET
FISH HOOK	BRAINE	TARPAULIN
FLYWEIGHT	COMDESDIV 49	TEAKWOOD
FOOTBALL	FARRAGUT	TERMITE
FULLBLOODED	STEROPE	TIDBIT
GINGERSNAP	COMDESDIV 50	TITWILLOW
GISMO	SUWANEE	TOBOGGAN
GOLDWYN	ERBEN	TOMATO
HEDGEHOG	FUELING UNIT	TORSO
HOECAKE	TG 53.6	TOURIST
HONEYSUCKLE	CARTER HALL	TRAMCAR
HORSEPOWER	COMCRUDIV 6	TUBBY
HOTFOOT	ALL TUC THIS NET	UKELELE
HOTCHKISS	DENT	UMBRELLA
IDEAL	YP	UNICORN
INDEX	ALL TGC THIS NET	UPRIGHT
IRON DUKE	COMDESRON 50	VANITY
JACKTAR	ALL SCREENING DD/DES	VARNISH
JERICHO	NEW ORLEANS	VICKY
JIFFY	COM CORT DIV	VOLUNTEER
JOHN BULL	TG 53.4	WALLET
JUBILEE	APACHE	WARRIOR
JUDAS	TG 53.1	WARHORSE
KATINKA	FAYETTE	WATERMELON
KEEPSAKE	MURRAY	WAXWORK
KEROSENE	GRAPPLE	WEBSTER
KILLERS	CA/CL'S	WESTBROOK
KODAK	CTG 53.1	WHIRLIGIG
LABOR	HAGGARD	WHIRLPOOL
LAFAYETTE	COMDESRON 48	WHISKEROOM
LAWMAKER	NEW MEXICO	WILDERNESS
LOCOWEED	PRES JACKSON	YULETIDE
LOTTERY	CTG 53.4	ZOMBY
LULLABY	LEVY	**
MADONNA	CTG 53.14	ARROWHEAD
MAESTRO	PENNSYLVANIA	
MAGNETO	CTG 53.12	
MINNEAPOLIS	DRACO	
MINNEAPOLIS	CHAUNCEY	
MINNEAPOLIS	CTG 53.13	
MINNEAPOLIS	CENTAURUS	
MINNEAPOLIS	CTG 53.17	
MINNEAPOLIS	PRES POLK	
MINNEAPOLIS	LST	
MINNEAPOLIS	COMTRANSDIV 24	
MINNEAPOLIS	HALE	
MINNEAPOLIS	LST DIV	
MINNEAPOLIS	GROUP	
MINNEAPOLIS	COMDESDIV 90	
MINNEAPOLIS	TG 53.10	
MINNEAPOLIS	DUPAGE	
MINNEAPOLIS	PHELPS	
MINNEAPOLIS	DIONNE	
MINNEAPOLIS	EPPING FOREST	
MINNEAPOLIS	SORGAROLI	
MINNEAPOLIS	LST FLOT	
MINNEAPOLIS	STEMBEL	
MINNEAPOLIS	COMDESRON 45	
MINNEAPOLIS	SKYLARK	
MINNEAPOLIS	COMDESRON 25	
MINNEAPOLIS	HOPKINS	
MINNEAPOLIS	ALL SHIPS PRESENT	
MINNEAPOLIS	HUDSON	
MINNEAPOLIS	CTG 53.9	
MINNEAPOLIS	LIBRA	
MINNEAPOLIS	KIDD	
MINNEAPOLIS	COMTRANSDIV 8	
MINNEAPOLIS	DALE	
MINNEAPOLIS	COM LST GROUP	
MINNEAPOLIS	YMS	
MINNEAPOLIS	ELMORE	
MINNEAPOLIS	TG 53.19	
MINNEAPOLIS	MINDIV	
MINNEAPOLIS	WILLIAMSON	
MINNEAPOLIS	COM LST FLOT	
MINNEAPOLIS	FULLAM	
MINNEAPOLIS	CTG 53.16	
MINNEAPOLIS	CTG 53.7	
MINNEAPOLIS	GEORGE CLYMER	
MINNEAPOLIS	HOLLY	
MINNEAPOLIS	COMDESRON 25	
MINNEAPOLIS	HOPKINS	
MINNEAPOLIS	ALL SHIPS PRESENT	
MINNEAPOLIS	HUDSON	
MINNEAPOLIS	CTG 53.9	
MINNEAPOLIS	LIBRA	
MINNEAPOLIS	KIDD	
MINNEAPOLIS	COMTRANSDIV 8	
MINNEAPOLIS	DALE	
MINNEAPOLIS	COM LST GROUP	
MINNEAPOLIS	YMS	
MINNEAPOLIS	ELMORE	
MINNEAPOLIS	TG 53.19	
MINNEAPOLIS	MINDIV	
MINNEAPOLIS	WILLIAMSON	
MINNEAPOLIS	COM LST FLOT	
MINNEAPOLIS	FULLAM	
MINNEAPOLIS	CTG 53.16	
MINNEAPOLIS	CTG 53.7	
MINNEAPOLIS	GEORGE CLYMER	
MINNEAPOLIS	HOLLY	
MINNEAPOLIS	COMDESRON 25	
MINNEAPOLIS	PC	
MINNEAPOLIS	COMCRUDIV 9	
MINNEAPOLIS	SENATOR	
MINNEAPOLIS	TG 53.9	
MINNEAPOLIS	LCI(G)	
MINNEAPOLIS	WALKER	
MINNEAPOLIS	WAYNE	
MINNEAPOLIS	COMINRON	
MINNEAPOLIS	MACDONOUGH	
MINNEAPOLIS	STARLING	
MINNEAPOLIS	LCT	
MINNEAPOLIS	LEEDSTOWN	
MINNEAPOLIS	SANTEE	
MINNEAPOLIS	CANFIELD	
MINNEAPOLIS	TG 53.12	
MINNEAPOLIS	SWALLOW	
MINNEAPOLIS	COMINDIV	
MINNEAPOLIS	WADSWORTH	
MINNEAPOLIS	COM LCI GROUP	
MINNEAPOLIS	CLEVELAND	
MINNEAPOLIS	TG 53.14	
MINNEAPOLIS	COM LCI DIV	
MINNEAPOLIS	ANTHONY	
MINNEAPOLIS	CTG 53.15	
MINNEAPOLIS	COMCRUDIV 12	
MINNEAPOLIS	LCI DIV	
MINNEAPOLIS	HAMILTON	
MINNEAPOLIS	TALBOT	
MINNEAPOLIS	ARA	
MINNEAPOLIS	DEWEY	
MINNEAPOLIS	COM OUTER SCREEN	
MINNEAPOLIS	ALL STATIONS THIS NET	
MINNEAPOLIS	COM LCT FLOT	
MINNEAPOLIS	BENNETT	
MINNEAPOLIS	CTF 53	
MINNEAPOLIS	COM LCT GROUP	
MINNEAPOLIS	CRESCENT CITY	
MINNEAPOLIS	ST LOUIS	
MINNEAPOLIS	HARRY LEE	
MINNEAPOLIS	COM LCT DIV	
MINNEAPOLIS	COMDESDIV 95	
MINNEAPOLIS	TG 53.6	
MINNEAPOLIS	CAPE SAN MARTIN	
MINNEAPOLIS	OSTERHAUS	
MINNEAPOLIS	BARON	
MINNEAPOLIS	COMBATDIV 3	

DECLASSIFIED
DECLASSIFIED

TASK ORGANIZATION CALLS

COMMAND	VOICE
CTF 53 (APPALACHIAN)	WARHORSE
TF 53 (SO ATTACKFOR)	PANZER
CTG 53.1 (APPALACHIAN)	KODAK
TG 53.1 (NORATTGROUP)	NIAGARA
CTU 53.1.1 (IN APPALACHIAN)	
TU 53.1.1 (SALVAGE UNIT)	
CTU 53.1.2 (DENT)	
TU 53.1.2 (RECON-DEMO UNIT)	
CTU 53.1.3 (WILLIAMSON)	
TU 53.1.3 (SEAPLANE RESERVICE)	
CTG 53.2 (GEO CLYMER)	NOMAD
TG 53.2 (SOATTGROUP)	BADGER
CTU 53.2.1 (RINGGOLD)	
TU 53.2.1 (TRANSPORT SCREEN)	
CTU 53.2.2 (WILLIAMSON)	
TU 53.2.2 (SEAPLANE RESERVICE)	
CTU 53.2.3 (LIPAN)	
TU 53.2.3 (SALVAGE UNIT)	
CTU 53.2.4 (TALBOT)	
TU 53.2.4 (RECON-DEMO UNIT)	
CTG 53.3 (DUPAGE)	BOUQUET
TG 53.3 (NORTRANSGRP)	STARLIGHT
CTU 53.3.1 (PRES JACKSON)	
TU 53.3.1 (TRANSDIV 2)	
CTU 53.3.2 (CRESCENT CITY)	
TU 53.3.2 (TRANSDIV 8)	
CTU 53.3.3 (DUPAGE)	
TU 53.3.3 (TRANSDIV 24)	
CTU 53.3.4 (EPPING FOREST)	
TU 53.3.4 (LSD DIV ONE)	
CTU 53.3.5 (JOHN RODGERS)	
TU 53.3.5 (TRANSPORT SCREEN)	
CTU 53.3.6 (LST 468)	
TU 53.3.6 (LST UNIT #3)	
CTU 53.3.7 (STEMBEL)	
TU 53.3.7 (CONTROL UNIT)	
CTU 53.3.8 (LCI 466)	
TU 53.3.8 (LCI(G) UNIT)	
CTG 53.4 (ZEILIN)	LOTTERY
TG 53.4 (SOTRANSGRP)	JOHN BULL
CTU 53.4.1 (ZEILIN)	
TU 53.4.1 (TRANSDIV 4)	
CTU 53.4.2 (FAYETTE)	
TU 53.4.2 (TRANSDIV 6)	
CTU 53.4.3 (CARTER HALL)	
TU 53.4.3 (LSD UNIT)	
CTU 53.4.4 (LST 276)	
TU 53.4.4 (LST UNIT #4)	
CTU 53.4.5 (RINGGOLD)	
TU 53.4.5 (CONTROL UNIT)	
CTU 53.4.6 (LCI 442)	
TU 53.4.6 (LCI(G) UNIT)	

(NOTE: UNIT CALLS -- BOTH COMMAND AND COLLECTIVE -- ARE GENERATED BY APPENDING THE TASK UNIT NUMBER TO THE GROUP CALL.

SECTION CALLS -- WHERE INDICATED IN TASK ORGANIZATION -- MAY BE FORMED BY APPENDING THE WORD "SLANT" PLUS THE SECTION NUMBER TO THE UNIT CALLS.)

CTG 51.3	DINGHY
TG 51.3	SUNDIAL
CTG 51.6	STOVEPIPE
TG 51.6	TORNADO
CTG 51.7	ALLEGRO
TG 51.7	PASSPORT
CTU 51.17.2	SNOWFLAKE 2
TU 51.17.2	REPORTER 2

COMMAND	VOICE
CTG 53.5 (HONOLULU)	COMMANDO
TG 53.5 (FIRESUPGRP)	STRANGLER
CTU 53.5.1 (NEW MEXICO)	
TU 53.5.1 (FSU #1)	
CTU 53.5.2 (HONOLULU)	
TU 53.5.2 (FSU #2)	
CTU 53.5.3 (WICHITA)	
TU 53.5.3 (FSU #3)	
CTU 53.5.4 (MURRAY)	
TU 53.5.4 (FSU #4)	
CTU 53.5.5 (MCKEE)	
TU 53.5.5 (FSU #5)	
CTU 53.5.6 (PENNSYLVANIA)	
TU 53.5.6 (FSU #6)	
CTU 53.5.7 (JOHN RODGERS)	
TU 53.5.7 (FSU #7)	
CTG 53.6 (SHELLDRAKE)	CORNCOB
TG 53.6 (MINE-HYDRO)	HOECAKE
CTU 53.6.1 (SHELLDRAKE)	
TU 53.6.1 (SWEEP UNIT #3)	
CTU 53.6.2 (YMS 281)	
TU 53.6.2 (SWEEP UNIT #4)	
CTG 53.7 (SANGAMON)	SAMSON
TG 53.7 (CARRIER GROUP)	BRAWNY
CTU 53.7.1 (SANGAMON)	
TU 53.7.1 (CARDIV 22)	
CTU 53.7.2 (CORREGIDOR)	
TU 53.7.2 (CARDIV 24)	
CTU 53.7.3 (ERBEN)	
TU 53.7.3 (CARDIV 22 SCREEN)	
CTU 53.7.4 (BULLARD)	
TU 53.7.4 (CARDIV 24 SCREEN)	
CTG 53.8	BOVINE
TG 53.8 (SOLANDFOR)	WHISK BROOM
CTG 53.9 (SKYLARK)	REPUBLIC
TG 53.9 (MINE-HYDRO)	SENATOR
CTU 53.9.1 (SKYLARK)	
TU 53.9.1 (SWEEP UNIT #1)	
CTU 53.9.2 (YMS 216)	
TU 53.9.2 (SWEEP UNIT #2)	
CTG 53.10	BANKER
TG 53.10 (NORLANDFOR)	MORTGAGE
CTG 53.11 (YOUNG AMER.)	DISCIPLE
TG 53.11 (GARGROUP 4A)	JUDAS
CTG 53.12	MAGNETO
TG 53.12	SPARKPLUG
CTG 53.13 (FULLAM)	MAPMAKER
TG 53.13 (SANTO GRP2)	SUGARFOOT
CTG 53.14 (NEW MEXICO)	MADONNA
TG 53.14 (EFATE GROUP)	TORSO
CTU 53.14.1 (NEW MEXICO)	
TU 53.14.1 (BATDIV 3)	
CTU 53.14.2 (ANTHONY)	
TU 53.14.2 (DESDIV 98)	
CTG 53.15 (HONOLULU)	TUBBY
TG 53.15 (BMBDT GRP2)	BAYWINDOW
CTG 53.16 (STEMBEL)	SALESMAN
TG 53.16 (TRACTOR GRP3)	CLIENT
CTG 53.17 (BLACK)	MECHANIC
TG 53.17 (TRACT GRP4)	COGWHEEL
CTG 53.18 (MONTPELIER)	FIREBOX
TG 53.18 (CRUDIV 12)	CLINKER
CTG 53.19 (HONOLULU)	ANTIQUE
TG 53.19 (PURVIS GRP)	ROSEMARY

SPECIAL CALLS

STATION	VOICE
ALL SHIPS PRESENT	RAT HOLE
ALL SHIPS THIS OPERATION	BATTLEAXE
ALL TFG THIS OPERATION	PATRICK
ALL TGC THIS NET	INDEX
ALL TUC THIS NET	HOTFOOT
ALL STATIONS THIS NET	VOLUNTEER
COM OUTER SCREEN (VARIOUS CIRCLES APPEND #)	VICKY
COM SCREENING DD/DE'S	BORNEO
SCREENING DD/DE'S	JACKTAR

STATION	VOICE
FUELING UNIT	HEDGEHOG
FUELING GROUP (RECEIVING)	APRIL
SALVAGE UNIT	BROOMSTICK
DD'S MY COMMAND	COWBOYS
CA/CL'S MY COMMAND	KILLERS
BB'S MY COMMAND	CYCLONES
(EMERGENCY USE -- APPEND HULL NUMBER OR PREFIX TASK GROUP VOICE CALL.)	

ADMINISTRATIVE CALLS

COMBATDIV 2	ALMANAC
COMBATDIV 3	ARROWHEAD
COMCARDIV 22	PAPOOSE
COMCARDIV 24	MOUSTACHE
COMCRUDIV 6	HORSEPOWER
COMCRUDIV 9	SEESAW
COMCRUDIV 12	UKELELE
COMDESDIV 1	BONAPARTE
COMDESDIV 2	ACID
COMDESDIV 49	FLYWEIGHT
COMDESDIV 50	GINGERSNAP
COMDESDIV 89	MUSTANG
COMDESDIV 90	MORGAN
COMDESDIV 94	FAIRGROUNDS
COMDESDIV 95	EQUIPOISE
COMDESDIV 96	WHIRLPOOL

COMDESRON 1	COCAINE
COMDESRON 25	SCHENLEY
COMDESRON 45	PACK RAT
COMDESRON 48	LAFAYETTE
COMDESRON 49	BRUNETTE
COMDESRON 50	IRON DUKE
(COLLECTIVE CALL - APPEND GANG)	
*****	
COMCORTDIV	JIFFY
CORTDIV	AMERICAN
COMINRON	SHERLOCK
MINRON	CLIFFSIDE
COMINDIV	STABLEBOY
MINDIV	ROUGHOUT
(APPEND APPROPRIATE NUMBER OF ORGANIZATION TO CALL)	

SHIPS' CALLS

SHIP	VOICE
ABBOT	AUTHOR
ACREE	MERRIMAC
AGENOR	TARPAULIN
ALOE	COCONUT
ANTHONY	TRAMCAR
APACHE	JUBILEE
APD #___	AMULET
APPALACHIAN	ALERT
AQUARIUS	TERMITE
ARA	VANITY
AYLWIN	FINGERNAIL
BARON	ZOMBY
BELLE GROVE	ASIATIC
BENNETT	WARRIOR
BIRMINGHAM	BARBARIAN
BLACK	ANCHOVY
BRAINE	FISH HOOK
BULLARD	EXPOSITION
CANFIELD	SOAPSUDS
CAPE SAN MARTIN	WILDERNESS
CARTER HALL	HONEYSUCKLE
CENTAURUS	MASCOT
CETUS	BUFFALO
CHAUNCEY	MALICIOUS
CHENANGO	AMBUSH
CLEVELAND	TOMATO
COLAHAN	DWARF
CORAL SEA	DEADLOCK
CORREGIDOR	NIGHTHAWK
CRESCENT CITY	WAXWORK
CORGAROLI	ORTHODOX
DALE	ROADHOUSE
DASHIELL	PASTEBOARD
DENT	HOTCHKISS
DEWEY	VARNISH
DIONNE	ONE STEP
DRACO	MAKESHIFT
DUPAGE	NOONTIDE
ELMORE	ROOSTER
EPPING FOREST	ORGANIST
ERBEN	GOLDWYN
FARRAGUT	FOOTBALL
FAYETTE	KATINKA
FRANKS	PUNCHBOWL
FULLAM	SAHIB
GEORGE CLYMER	SANDWICH
GRAPPLE	KEROSENE
GUEST	BABYFACE
GUNSTON HALL	TABLET
HAGGARD	LABOR
HAILEY	DROPKICK
HALE	MODIFY
HALFORD	ACROPOLIS
HAMILTON	UNICORN
HARRISON	CHOCOLATE
HARRY LEE	WESTBROOK
HOGAN	AUDITOR
HOLLY	SAUCY
HONOLULU	CATGUT
HOPKINS	RACEHORSE
HUDSON	RATTLETRAP
HULL	BANQUET
IDAHO	ELECTION
J H KINCAID	CASHIER
JOHN ROGERS	ACE HIGH
JOHNSTON	BRAINSTORM
KIDD	RINGTAIL
LEVY	LULLABY
LEEDSTOWN	SLOWPOKE
LIBRA	RETRIEVER

SHIP	VOICE
LIPAN	BACKWOODS
LONG	ABIGAIL
LOVETT	VOEVIL
LSD # (PARENT /)	PORT/STBD
LCI (G) #___	SHAKER
LST #___	SLANDER
LST #___	MICA
MACDONOUGH	SHOPLIFTER
MCCONNELL	PIGIRON
MCKEE	PLYWOOD
MINNEAPOLIS	MAGNOLIA
MONAGHAN	PARTNER
MONTPELIER	ARCH ANGEL
MURRAY	KEEPSAKE
NEW MEXICO	LAWMAKER
NEW ORLEANS	JERICHO
ORNSBY	ALCOHOL
OSTERHAUS	YULETIDE
PARKS	BODYGUARD
PENNSYLVANIA	MAESTRO
PERRY	COACHMAN
PHELPS	OMNIBUS
PRES ADAMS	ASPEN
PRES HAYES	AUDUBON
PRES JACKSON	LOGOWEED
PRES MONROE	BASTILLE
PRES POLK	MESSENGER
PC	SCIVVY
PC (S)	ROONEY
RINGGOLD	NOBLEMAN
RIXEY	CAFETERIA
SAN FRANCISCO	STEADFAST
SANGAMON	QUANTICO
SANTEE	SMOOTHY
SCHROEDER	CHECKMATE
SC #___	ATLAS
SHAW	STAINLESS
SHELLDRAKE	ARSON
SIGSBEE	CHIGGER
SKYLARK	PALISADE
SOUTH AFRICAN VICTORY	
STANSBURY	EGGPLANT
STARLING	SINGAPORE
STEMBEL	OXYDOL
STEROPE	FULLBLOODED
STEVENS	PUSSYFOOT
ST LOUIS	WEBSTER
SUWANEE	GISMO
SWALLOW	SPILLWAY
TALBOT	UPRIGHT
TERRY	BOXTHORN
TITANIA	APE TRAINER
TYPHOON	FAMOUS
U S VICTORY	
VIRGO	SUNBEAM
WADSWORTH	TITWILLOW
WALKER	SHATTERPROOF
WARREN	BROKERS TIP
WAYNE	SHATTUCK
WHARTON	BENCHMARK
WICHITA	BLABBERMOUTH
W P BIDDLE	BLAMELESS
WILLIAMSON	ROYALTY
WINDSOR	ADROIT
YP #___	IDEAL
YMS #___	ROMEO
YOUNG AMERICA	
ZEILIN	DEPOT

BOAT AND BEACH CALLS

TRANSGROUP CONTROL OFFICER (APPEND GROUP NUMBER)	TUXEDO
TRANSGROUP BEACHMASTER (APPEND GROUP NUMBER)	SCOOTER
TRANSDIV BOAT FLOT COMMANDER (APPEND DIV NUMBER)	ORPHAN
TRANSDIV BEACHMASTER (APPEND DIV NUMBER)	JENKINS
CONTROL OFFICER BEACHES (PREFIX COLOR APPEND #)	EYE
TRANSPORT BEACHMASTER (PREFIX COLOR APPEND #)	HAIR
BOAT GROUP COMMANDER (APPEND APA HULL #)	DUKE
BOAT WAVE COMMANDER (PREFIX # APPEND BEACH)	ZANY
COMMANDER LVT WAVE (PREFIX # APPEND BEACH)	V ZANY
SALVAGE BOAT (APPEND APA HULL #)	SCRAPPY
CMDR UNDERWATER DEMO UNITS (INDIVIDUAL UNITS ADD #)	BLOWGUN
LCG (ADD LAST 2 #'S HULL)	VOEVIL
LCG (APPEND PARENT HULL #)	PORTO
	STABED

SHIP-SHORE ADMIN CALLS

COMTRANSDIV 2	APEX
COMTRANSDIV 4	CHEERIO
COMTRANSDIV 6	DORA
COMTRANSDIV 8	RIVET
COMTRANSDIV 24	MIMIC
(COLLECTIVE CALL - ADD "GANG")	
COM LCI FLOT	TIDBIT
LCI FLOT	TEAKWOOD
COM LCI GROUP	TOBOGGAN
LCI GROUP	SURGEON
COM LCI DIV	TOURIST
LCI DIV	UMBRELLA
COM LCT FLOT	WALLET
LCT FLOT	OTHELLO
COM LCT GROUP	WATERMELON
LCT GROUP	MOONSTRUCK
COM LCT DIV	WHIRLIGIG
LCT DIV	MOLASSES
COM LST FLOT	SADDLEBAG
LST FLOT	ALAMO
COM LST GROUP	[illegible]
LST GROUP	CORVETTE
COM [illegible]	BOMBSHELL
[illegible]	[illegible]
[illegible]	(APPEND APPROPRIATE NUMBER)

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ENCLOSURE "A" TO APPENDIX "2"
CTG OPERATION PLAN A62-44

DECODE SECTION

ABIGAIL	LONG	MAGNOLIA	MINNEAPOLIS
ACE HIGH	JOHN RODGERS	MAKESHIFT	DRACO
ACID	COMDESDIV 2	MALICIOUS	CHAUNCEY
ACROPOLIS	HALFORD	MAPMAKER	CTG 53.13
ADROIT	WINDSOR	MASCOT	CENTAURUS
ALAMO	LST FLOT	MECHANIC	CTG 53.17
ALCOHOL	ORNSBY	MESSENGER	PRES POLK
ALERT	APPALACHIAN	MICA	LST
ALMANAC	COMBATDIV 2	MIMIC	COMTRANSDIV 24
AMBUSH	CHENANGO	MODIFY	HALE
AMERICAN	CORT DIV	MOLASSES	LCT DIV
AMULET	APC	MOONSTRUCK	LCT GROUP
ANCHOVY	BLACK	MORGAN	COMDESDIV 90
ANTIQUE	CTG 53.19	MORTGAGE	TG 53.10
APE TRAINER	TITANIA	MOUSTACHE	COMCARDIV 24
APEX	COMTRANSDIV 2	MUSTANG	COMDESDIV 89
APRIL	FUELING SHIPS	NIAGARA	TG 53.1
ARCH ANGEL	MONTPELIER	NIGHTHAWK	CORREGIDOR
ARSON	SHELLDRAKE	NOBLEMAN	RINGGOLD
ASIATIC	BELLE GROVE	NOMAD	CTG 53.2
ASPEN	PRES ADAMS	NOONTIDE	DUPAGE
ATLAS	SO	OMNIBUS	PHELPS
AUDITOR	HOGAN	ONE STEP	DIONNE
AUDUBON	PRES HAYES	ORGANIST	EPPING FOREST
AUTHOR	ABBOT	ORTHODOX	CORGAROLI
BABYFACE	GUEST	OTHELLO	LST FLOT
BACKWOODS	LIPAN	OXYDOL	STEMBEL
BADGER	TG 53.2	PACKRAT	COMDESRON 45
BANKER	CTG 53.10	PALISADE	SKYLARK
BANQUET	HULL	PANZER	TF 53
BARBARIAN	BIRMINGHAM	PAPOOSE	COMCARDIV 22
BASTILLE	PRES MONROE	PARTNER	MONAGHAN
BATTLEAXE	ALL SHIPS CURRENT OP	PASTEBOARD	DASHIELL
BAYWINDOW	TG 53.15	PATRICK	ALL TFG CURRENT OP
BENCHMARK	WHARTON	PIGIRON	MCCONNELL
BLABBERMOUTH	WICHITA	PLYWOOD	MCKEE
BLAMELESS	W P BIDDLE	PUNCHBOWL	FRANKS
BODYGUARD	PARKS	PUSSYFOOT	STEVENS
BOMBSHELL	COM LST DIV	QUANTICO	SANGAMON
BONAPARTE	COMDESDIV 1	RACEHORSE	HOPKINS
BORNEO	COMSCREENING DD/DE'S	RAT HOLE	ALL SHIPS PRESENT
BOUQUET	CTG 53.3	RATTLETRAP	HUDSON
BOVINE	CTG 53.8	REPUBLIC	CTG 53.9
BOXTHORN	TERRY	RETRIEVER	LIBRA
BRAINSTORM	JOHNSTON	RINGTAIL	KIDD
BRAWNY	TG 53.7	RIVET	COMTRANSDIV 8
BROKERS TIP	WARREN	ROADHOUSE	DALE
BROOMSTICK	SALVAGE UNIT	ROEBUCK	COM LST GROUP
BRUNETTE	COMDESRON 49	ROMEO	YMS
BUFFALO	CETUS	ROOSTER	ELMORE
CAFETERIA	RIXEY	ROSEMARY	TG 53.19
CASHIER	J H KINCAID	ROUGHOUT	MINDIV
CATGUT	HONOLULU	ROYALTY	WILLIAMSON
CHECKMATE	SCHROEDER	SADDLEBAG	COM LST FLOT
CHEERIO	COMTRANSDIV 4	SAHIB	FULLAM
CHIGGER	SIGSBEE	SALESMAN	CTG 53.16
CHOCOLATE	HARRISON	SAMSON	CTG 53.7
CLIENT	TG 53.16	SANDWICH	GEORGE CLYMER
CLIFFSIDE	MINRON	SAUCY	HOLLY
CLINKER	TG 53.18	SCHENLEY	COMDESRON 25
COACHMAN	PERRY	SCIVVY	PC
COCAINE	COMDESRON 1	SEESAW	COMCRUDIV 9
COGWHEEL	TG 53.17	SENATOR	TG 53.9
COCONUT	ALOE	SHAKER	LCI(G)
COMMANDO	CTG 53.5	SHATTERPROOF	WALKER
CORDITE	LST GROUP	SHATTUCK	WAYNE
CORNCOB	CTG 53.6	SHERLOCK	COMINRON
COWBOYS	DD'S	SHOPLIFTER	MACDONOUGH
CYCLONES	BB'S	SINGAPORE	STARLING
DEADLOCK	CORAL SEA	SLANDER	LCT
DEPOT	ZEILIN	SLOW POKE	LEEDSTOWN
DIESEL	LST DIV	SMOOTHY	SANTEE
DISCIPLE	CTG 53.11	SOAPSUDS	CANFIELD
DORA	COMTRANSDIV 6	SPARKPLUG	TG 53.12
DROPKICK	HAILEY	SPILLWAY	SWALLOW
DWARF	COLAHAN	STABLEBOY	COMINDIV
EGGPLANT	STANSBURY	STAINLESS	SHAW
ELECTION	IDAHO	STARLIGHT	TG 53.3
EQUIPOISE	COMDESDIV 95	STEADFAST	SAN FRANCISCO
EXPOSITION	BULLARD	STRANGLER	TG 53.5
FAIRGROUNDS	COMDESDIV 94	SUGARFOOT	TG 53.13
FAMOUS	TYPHOON	SUNBEAM	VIRGO
FINGERNAIL	AYLWIN	SURGEON	LCI GROUP
FIREBOX	CTG 53.18	TABLET	GUNSTON HALL
FISH HOOK	BRAINE	TARPAULIN	AGENOR
FLYWEIGHT	COMDESDIV 49	TEAKWOOD	LCI FLOT
FOOTBALL	FARRAGUT	TERMITE	AQUARIUS
FULLBLOODED	STEROPE	TIDBIT	COM LCI FLOT
GINGERSNAP	COMDESDIV 50	TITWILLOW	WADSWORTH
GISMO	SUWANEE	TOBOGGAN	COM LCI GROUP
GOLDWYN	ERBEN	TOMATO	CLEVELAND
HEDGEHOG	FUELING UNIT	TORSO	TG 53.14
HOECAKE	TG 53.6	TOURIST	COM LCI DIV
HONEYSUCKLE	CARTER HALL	TRAMCAR	ANTHONY
HORSEPOWER	COMCRUDIV 6	TUBBY	CTG 53.15
HOTFOOT	ALL TUC THIS NET	UKELELE	COMCRUDIV 12
HOTCHKISS	DENT	UMBRELLA	LCI DIV
IDEAL	YP	UNICORN	HAMILTON
INDEX	ALL TGC THIS NET	UPRIGHT	TALBOT
IRON DUKE	COMDESRON 50	VANITY	ARA
JACKTAR	ALL SCREENING DD/DES	VARNISH	DEWEY
JERICHO	NEW ORLEANS	VICKY	COM OUTER SCREEN
JIFFY	COM CORT DIV	VOLUNTEER	ALL STATIONS THIS NET
JOHN BULL	TG 53.4	WALLET	COM LCT FLOT
JUBILEE	APACHE	WARRIOR	BENNETT
JUDAS	TG 53.11	WARHORSE	CTF 53
KATINKA	FAYETTE	WATERMELON	COM LCT GROUP
KEEPSAKE	MURRAY	WAXWORK	CRESCENT CITY
KEROSENE	GRAPPLE	WEBSTER	ST LOUIS
KILLERS	CA/CL'S	WESTBROOK	HARRY LEE
KODAK	CTG 53.1	WHIRLIGIG	COM LCT DIV
LABOR	HAGGARD	WHIRLPOOL	COMDESDIV 96
LAFAYETTE	COMDESRON 48	WHISKBROOM	TG 53.8
LAWMAKER	NEW MEXICO	WILDERNESS	CAPE SAN MARTIN
LOGOWEED	PRES JACKSON	YULETIDE	OSTERHAUS
LOTTERY	CTG 53.4	ZOMBY	BARON
LULLABY	LEVY	**	
MADONNA	CTG 53.14	ARROWHEAD	COMBATDIV 3
MAESTRO	PENNSYLVANIA		
MAGNETO	CTG 53.12		

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Emergency and Enemy Contact Signals

COMMONLY USED EMERGENCY SIGNALS

EMERG {*Tack Signal*} Execute signal indicated when understood.

EMERG {000 TO 359} Attention called to danger or emergency on true bearing from this or designated ship as indicated.

EMERG F Disperse. Scatter. Plan may be indicated.

EMERG G Gas in vicinity or on bearing indicated.

EMERG M Mine sighted to starboard of this or designated ship.

EMERG S Submarine sighted to starboard of this or designated ship. Numeral may be added to indicate zone.

EMERG S {000 TO 359} Submarine sighted on true bearing from this or designated ship as indicated.

EMERG {*Four Numerals*} Submarine sighted on circle number indicated by first numeral and on true bearing from fleet center indicated by last three numerals.

EMERG T Torpedo sighted approaching this or designated ship from starboard. True direction of approach may be indicated by three numerals following.

EMERG U Hydrophones or supersonics indicates submarines are near.

EMERG V Strange aircraft sighted.

EMERG Y {000 TO 359} Aircraft on true bearing indicated from this or designated unit is [are] friendly.

E EMERG Attention. Be on the alert for important signals.

H EMERG Danger. You are standing in to ———

M EMERG Mine sighted to port of this or designated ship.

T EMERG Torpedo sighted approaching this or designated ship from port. True direction of approach may be indicated by three numerals following.

V EMERG Aircraft crashed. Bearing may be indicated. Tack numerals may be added to indicate distance in miles.

W EMERG Aircraft. Strange —— Approaching as indicated. Type may be indicated by numerals preceding from table one. Additional information may be indicated by numeral(s) following

1. *From Starboard*
2. *From Port*
3. *Sight Contact*
4. *Radar Contact*

Y EMERG Line of fire. Clear —— from this or designated unit to permit fire against aircraft torpedo attack (bearing of line of fire may be indicated).

[redacted]SIFIED

SERIAL 000

NOTE: This extract from the *General Signal Book (CSP 734)* is m[illegible] accordance with current tactical directives and [illegible] publication [illegible].

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ENEMY INFORMATION SIGNALS

SOPUS R Enemy. Character of ——— contact is indicated by numeral(s):

1. *Sight*
2. *Sound*
3. *Radar*
4. *Good*
5. *Doubtful*
6. *Supersonic*

F SOPUS *(Numeral)* Radar contact made on type indicated by numeral (1. *surface craft*, 2. *aircraft*) and as described by numeral groups following signal and separated by tack.

(a) Three-numeral group indicating true bearing from center of disposition.

(b) One-, two-, or three-numeral group indicating distance in miles from center of disposition.

(c) A numeral group may be added as amplifying information taken from table below.

1. *Opening*
2. *Closing*
3. *Circling*
4. *Group*
5. *Force previously reported*

(d) Desig. (Call) may be added to indicate Radar ship which originated contact.

G SOPUS *(Numeral)* Radar contact made on type indicated by numeral 1. *surface craft*, 2. *aircraft* and as described by numeral groups following signal separated by tack

(a) Three-numeral group indicating true bearing from Radar ship.

(b) One-, two-, and three-numeral group indicating distance in miles from Radar ship.

(c) A numeral group may be added as amplifying information taken from table below.

1. *Opening*
2. *Closing*
3. *Circling*
4. *Group*
5. *Force previously reported*

(d) Desig. (Call) May be added to indicate Radar ship which originated contact.

E Enemy sighted (number, type, bearing, and distance may be indicated as shown in example).

EXAMPLE: 13 E desig 5BBD tack 350 tack 14—"Enemy sighted consisting of 13 ships (5BB and 8DD) bearing 350° and distant 14,000 yards from unit originating signal." For measurement from OTC add desig J.

000 TO 359 G Bearing indicated is measured from Fleet Guide. (Distance in thousands of yards may be indicated by numerals following).

ECB Enemy sighted Type may be indicated from table no. 1.

ECF Have sighted following:

1. *Aircraft flare*
2. *Dirigible*
3. *Flashes of guns*
4. *Glare of Searchlights*
5. *Lights*
6. *Oil patch*
7. *Periscope*
8. *Refuse*
9. *Rocket*
10. *Ship without lights*
11. *Small boat*
12. *Smoke bomb*
13. *Star (Verys)*
14. *Star Shell*
15. *Wreckage*

ECH Own ships or aircraft sighted. Number and type may be indicated following Desig.

ECK Strange ships sighted. Number and type may be indicated following Desig.

EHR Ship is friendly.

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Office of the Commander
File No. A16-3 Group THREE, FIFTH Amphibious Force jdb
United States Pacific Fleet
Serial 00154 San Francisco, California

1 June 1944

[redacted]

CTF 53 OPERATION PLAN NO. A162-44

(A) Change One to Annex "E"

Annex "E"

Page 2, paragraph 1000(B) under "Enclosures" - Add the following after "D":

"E. Special Equipment Allowances"
"F. Special Visual Signals"

Page 2, paragraph 1000(B) under "Appendix 2, Call Signs" - After "H. Master Decode" add "I. Consolidation Phase."

Appendix "1" to Annex "E"

Page 3 - Add new paragraph as follows:

"18. Due to radio silence on frequencies below 30 megacycles during night retirement, Commander Task Force 53 will not be able to relay NPM Fox traffic to ships not in company. Commanders of retirement groups arrange NPM Fox guard for ships and commands in company for this period."

Page 5 - Nets "C" and "G": Change "(CW)" to "(V)".

Page 6 - Net "K": After "TD 8 beaches 3885", add "TD 24 beaches 4035".

Page 9 - Net "AB": Change frequency to "140.58 mcs.".

Consolidation Frequency Plan D: Change diagram so as to include "Com LST's" on nets "E" and "F". Under Headquarters Ship ("H.Q."), delete "(355)" after "C" and insert "(355)" after "A".

Appendix "2" to Annex "E"

Replace original pages 7, 11, 12, 13, 14, 15, 16, and 17 with corresponding pages in this change. Original pages to be destroyed by burning (no report of destruction is necessary).

Insert new pages "7a" and "18" in proper sequence.

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18 SEP 1944

O.M.# 11-ND-1335.

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1 June 1944

[redacted]

(A) Change One to Annex "E" - Cont'd.

Appendix "2" to Annex "E" (Cont'd)

Page 1 - Add the following at the bottom of the page:

CTG 51.3	DINGHY	4DW	CTG 51.7	ALLEGRO	2EB
TG 51.3	SUNDIAL	8MQ	TG 51.7	PASSPORT	7AI
CTG 51.6	STOVEPIPE	8LN	CTG 51.17	SNOWFLAKE	8GN
TG 51.6	TORNADO	8VT	TG 51.17	REPORTER	7OY

Page 2 - Change line "Cape San Martin (XAK) WILDERNESS 9LM" to read:

"Cape Martin HORSESHOE 5JN"

Page 2 - Insert after "Dionne (DE261 - - ":

"Dickerson (APD21) KEYHOLE 5SB"

Page 3 - Insert voice and CW calls for ships listed below:

"South African Victory HEADLINE 5EZ"

"U.S. Victory MIKADO 6JL"

Page 4 - Change voice call for "All TFC Current Operation" from "PATRICK" to "PATRIMONY".

Page 4 - Insert below "All Stations This Circuit":

"All Ships Under My Immediate Tactical Command MADHOUSE 6DG"

Page 10 - Insert the following after voice call "ADROIT - - -"

"ALLEGRO 2EB CTG 51.7"

(B) Change One to TF 53 Communication Manual for FORAGER

Appendix "1", page 4 - Delete five (5) LST's presently listed under "(f) Defense Group Two" and substitute the following:

"LST's 21, 1[illegible], 224, 334
PCS 1457"

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File No. A16-3 Group THREE, Fifth Amphibious Force jdb

Office of Commander
United States Pacific Fleet
San Francisco, California

1 June 1944

(B) Change One to TF 53 Communication Manual for FORAGER - Cont'd.

Appendix "4", page 12 - Change voice call "CRUSADERS" to read "CRUSADER 9".

R. L. CONOLLY,
Rear Admiral, U. S. Navy,
Commander Task Force FIFTY-THREE.

DISTRIBUTION:
Same as Annex "E" to CTF 53 Operation Plan No. A162-44.

S. H. HAHN.
Flag Secretary.

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S-E-C-R-E-T

APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

Aircraft Calls

Artillery Spotting Plane, SoLanFor	GORDON	4ZQ
Artillery Spotting Plane, 3rd MarDiv	LONG GLASS	6AX
Artillery Spotting Plane, 1st Prov. Brig.	MICROSCOPE	6JC
Commander Support Aircraft, TF 53	CONGO	3TL
Commander Support Aircraft, TF 53 Standby	FLANAGAN	4RQ
Commander Support Aircraft, TF 53 Ashore	BAREBACK	2QY
Photographic Plane #1, TF 53	CALICO 1	---
Photographic Plane #2, TF 53	CALICO 2	---
Smoke Planes, Flight Leader, TF 53	SMOKY JOE 3	---
Air Liaison Observer (CG, 3rd MarDiv)	LONESTAR	---
Air Liaison Observer (CG, 1st Prov. Brig.)	MONTANA	---

Fighter Director Calls

TF 53 Command Ship	MOSCOW
TF 53 Standby Command Ship (GEO. CLYMER)	COMEDY
TF 53 Primary Fighter Director (SIGSBEE)	CABLE
TF 53 Secondary Fighter Director (SCHROEDER)	HALYARD
Other TF 53 Fighter Director Ships:	
MURRAY	SATIN
COLAHAN	BOLERO
WADSWORTH	SPIDER

Afloat Bases Calls

Chenango (CVE28)	BORAX
Coral Sea (CVE57)	NICKEL
Corregidor (CVE58)	MONEL
Sangamon (CVE26)	SALT
Santee (CVE29)	WHARF
Suwanee (CVE27)	SODA

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[redacted]

APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

Consolidation Phase Calls

SOPA at Stevedore	WISDOM 9	9MT9
Port Director at Stevedore	CRUSADER 9	3XL9
Commander Naval Activities Stevedore	CONFEDERATE 9	3TK9
Commander Advanced Air Base Stevedore	ENDICOTT	4KG
Stevedore Shore Base (Fighter Director)	TINSEL	---

Special SOPA Call Signs:

Special radio call signs for all bases for local use by the SOPA and the Commander Forward Area shall be formed by suffixing numerals to the radio call sign of the Joint Communication Center in accordance with the table below:

SOPA	9
SOPA (administrative)	4
Commander Forward Area	7

Example: At Majuro, the SOPA would use the radio call sign WVNB9.

Visual Call Signs:

H1 . . HECP
H2 . . Base Signal Station (as assigned).
H3 . . HECP (secondary)
H4 . . SOPA (administrative)
H5 . . Force Beachmaster (if present)
H6 . . Base Signal Station (as assigned).
H7 . . Commander Forward Area.
H8 . . As assigned locally.
H9 . . SOPA
HØ . . As assigned locally.

BMN. . TransGroup North Beachmaster
BMS. . TransGroup South Beachmaster
BM . . Beachmaster: Append initial letter of beach, color and numeral where applicable.
EXAMPLE. BMR2 - Beachmaster Red Two.
Transport Beachmaster: Append hull number of parent transport.
TransDiv Beachmaster: Append transport division number plus "D".
EXAMPLE: BM24D - TransDiv 24 Beachmaster.

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APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

VOICE CALL	CW	SHIP
BAYWINDOW	2TC	TG 53.15
BENCHMARK	2VC	WHARTON
BLABBERMOUTH	2XC	WICHITA
BLAMELESS	2XO	W.P. BIDDLE
BLOWGUN	2YO	COMDR. UNDWTR. DEMO. UNITS.
BODYGUARD	2ZK	PARKS
BOLERO	---	COLAHAN (FD CALL)
BOMBSHELL	2ZS	COM LST DIV ____
BONAPARTE	2ZT	COMDESDIV 1
BORAX	---	CHENANGO (FD CALL)
BORNEO	3AP	COMDR. SCREENING DD/DE
BOUQUET	3AV	CTG 53.3
BOVINE	3AW	CTG 53.8
BOXTHORN	3BG	TERRY
BRAINSTORM	3CB	JOHNSTON
BRAVADO	3CK	YOUNG AMERICA
BRAWNY	3CO	TG 53.7
BROKERSTIP	3DV	WARREN
BROOMSTICK	3DY	SALVAGE UNIT
BRUNETTE	3DZ	COMDESRON 49
BUFFALO	3EW	CETUS
CABLE	---	SIGSBEE (FD CALL)
CASHIER	3KS	J.H. KINCAID
CATGUT	3LH	HONOLULU
CAFETERIA	3HD	RIXEY
CHECKMATE	3MZ	SCHROEDER
CALICO	---	PHOTO PLANE #___, TF53
CHEERIO	3ND	COMTRANSDIV 4
CHIGGER	3OM	SIGSBEE
CHOCOLATE	3OX	HARRISON
CLIENT	3QS	TG 53.16
CLIFFSIDE	3QT	MINRON ____
CLINKER	3QY	TG 53.18
COACHMAN	3RM	PERRY
COCAINE	3RQ	COMDESRON 1

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APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

VOICE CALL	CW	SHIP
COCONUT	3SF	ALOE
COGWHEEL	3SL	TG 53.17
COMEDY	---	TF53 STANDBY COMMAND SHIP(FD CALL)
COMMANDO	3TD	CTG 53.5
CONFEDERATE 9	3TK9	COM. NAV. ACTIVITIES STEVEDORE
CONGO	3TL	CSA, TF 53
CORDITE	3UJ	LST GROUP ____
CORNCOB	3UP	CTG 53.6
COWBOYS	---	DDs MY COMMAND
CRUSADER 9	3XL9	PORT DIRECTOR STEVEDORE
CYCLONES	3YQ	BBs MY COMMAND
DEADLOCK	4AS	CORAL SEA
DEPOT	4CA	ZEILIN
DIESEL	4DN	LST DIV ____
DINGHY	4DW	CTG 51.3
DISCIPLE	4EK	CTG 53.11
DORA	4FU	COMTRANSDIV 6
DROPKICK	4GN	HALLEY
DUKE	4HA	BOAT GRP. COMDR.
DWARF	4HS	COLAHAN
EGGPLANT	4IM	STANSBURY
ELECTION	4IU	IDAHO
ENDICOTT	4KG	CMDR. ADV. AIR BASE STEVEDORE
EQUIPOISE	4KW	COMDESDIV 95
EXPOSITION	4MN	BULLARD
EYE	4MX	CONTROL OFFICER BEACHES
FAIRGROUNDS	4NL	COMDESDIV 94
FAMOUS	4OH	TYDEON
FINGERNAIL	4QA	AYLWIN
FIREBOX	4QC	CTG 53.18
FISHOOK	4QM	BRAINE
FLANAGAN	4RQ	CSA, TF53, STANDBY
FLYWEIGHT	4SO	COMDESDIV 49
FOOTBALL	4SU	FARRAGUT
FULLBLOODED	4VB	STEROPE

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APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

VOICE CALL	CW	SHIP
GINGERSNAP	4XN	COMDESDIV 50
GISMO	4XR	SUWANEE
GOLDWYN	4ZA	ERBEN
GORDON	4ZQ	ARTY. SPOT PLANE, SOLANFOR
HAIR	5CB	TRANSPORTS BM.
HALYARD	---	SCHROEDER (FD CALL)
HEADLINE	5EZ	SO. AFRICAN VICTORY
HEDGEHOG	5FK	FUELING UNIT
HOECAKE	5HJ	TG 53.6
HONEYSUCKLE	5IE	CARTER HALL
HORSEPOWER	5JM	COMCRUDIV 6
HORSESHOE	5JN	CAPE MARTIN
HOTFOOT	5JP	ALL TUC THIS NET
HOTCHKISS	5JS	DENT
IDEAL	5KZ	YP (#)
INDEX	5LO	ALL TGC THIS NET
IRON DUKE	5MO	COMDESRON 50
JACKTAR	5NO	ALL SCREEN DD/DE
JENKINS	5OK	TRANSDIV BM. (*)
JERICO	5OM	NEW ORLEANS
JIFFY	5OY	COMCORTDIV ____
JOHN BULL	5PL	TG 53.4
JUBILEE	5PO	APACHE
JUDAS	5PR	TG 53.11
KATINKA	5QU	FAYETTE
KEEPSAKE	5RD	MURRAY
KEROSENE	5RX	GRAPPLE
KEYHOLE	5SB	DICKERSON
KILLERS	---	CAs / CLs MY COMMAND
KODAK	5UE	CTG 53.1 (COMDR. N.G.F. SUPP. 3905 KCS.)
LABOR	5UM	HAGGARD
LAFAYETTE	5VR	COMDESRON 48
LAWMAKER	5XR	NEW MEXICO
LOCOWEED	6AC	PRES. JACKSON
LONESTAR	---	AIR LIAISON OBS. (CG, 3RD MARDIV)

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APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

VOICE CALL	CW	SHIP
LONG GLASS	6AX	ARTY. SPOTTING PLANE (3RD MARDIV)
LOTTERY	6BP	CTG 53.4
LULLABY	6CT	LEVY
MADHOUSE	6DG	ALL SHIPS MY IMMEDIATE TACTICAL COMD.
MADONNA	6DH	CTG 53.14
MAESTRO	6DP	PENNSYLVANIA
MAGNETO	6EB	CTG 53.12
MAGNOLIA	6EC	MINNEAPOLIS
MAKESHIFT	6EO	DRACO
MALICIOUS	6EY	CHAUNCEY
MAPMAKER	6FR	CTG 53.13
MASCOT	6GQ	CENTAURUS
MECHANIC	6IC	CTG 53.17
MERRIMAC	6IQ	ACREE
MESSENGER	6IV	PRES. POLK
MICROSCOPE	6JG	ARTY. SPT. PLANE, 1ST PROV. BRIG.
MICA	6JE	LST (#)
MIKADO	6JL	U.S. VICTORY
MIMIC	6KB	COMTRANSDIV 24
MODIFY	6LK	HALE
MOLLASSES	6LV	LCT DIV
MONEL	---	CORREGIDOR (FD CALL)
MONTANA	---	AIR OBS. 1ST PROV. BRIG.
MOONSTRUCK	6NR	LCT GROUP
MORGAN	6NX	COMDESDIV 90
MORTGAGE	6OE	TG 53.10
MOSCOW	---	TF53 COMMAND SHIP (FD CALL)
MOUSTACHE	6OP	COMCARDIV 24
MUSTANG	6PT	COMDESDIV 89
NIAGARA	6RC	TG 53.1
NICKEL	---	CORAL SEA (BASE CALL)
NIGHTHAWK	6RF	CORREGIDOR
NOBLEMAN	6RK	RINGGOLD
NOMAD	6RP	CTG 53.2 (COMDR. N.G.F. SUPP. 4010 KCS.)
NOONTIDE	6RW	DUPAGE
OMNIBUS	6UT	PHELPS

(#) APPEND HULL NUMBER

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APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

VOICE CALL	CW	SHIP
ONESTEP	6UY	DIONNE
ORGANIST	6VR	EPPING FOREST
ORPHAN	6WF	TRANSDIV BOAT FLOTILLA COMDR.
ORTHODOX	6WI	CORCAROLI
OTHELLO	6WP	LCT FLOT _____
OXYDOL	6XU	STEMBEL
PACKRAT	6YC	COMDESRON 45
PALISADE	6YP	SKYLARK
PANZER	6ZI	TF 53
PAPOOSE	6ZN	COMCARDIV 22
PARTNER	7AF	MORGAN
PASSPORT	7AI	TG 51.7
PASTEBOARD	7AK	DASHIELL
PATRIMONY	7AV	ALL TFC CURRENT OPERATION
PIGIRON	7ER	McCONNEL
PINCHER	7FH	COMBATDIV 4
PLYWOOD	7GU	McKEE
PORT	---	PORT LCS (%)
PUNCHBOWL	7JI	FRANKS
PUSSYFOOT	7JS	STEVENS
QUANTICO	7KG	SANGAMON
RACEHORSE	7LD	HOPKINS
RATHOLE	7MQ	ALL SHIPS PRESENT
RATTLETRAP	7MR	HUDSON
REPORTER	7OY	TG 51.17
REPUBLIC	7PH	CTG 53.9
RETREIVER	7PL	LIBRA
RINGTAIL	7QW	KIDD
RIVET	7RG	COMTRANSDIV 8
ROADHOUSE	7RK	DALE
ROEBUCK	7SV	COM 1ST GROUP _____
ROMEO	7TC	YMS _____(#)
ROONEY	7TL	PC(S) _____(#)
ROOSTER	7TF	ELMORE
ROSEMARY	7TM	TG 53.19

(#) APPEND HULL NUMBER.
(%) APPEND PARENT SHIP HULL NUMBER.

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APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

VOICE CALL	CW	SHIP
ROUGHCUT	7TN	MINDIV_____
ROYALTY	7TY	WILLIAMSON
SADDLEBAG	7UZ	COM LST FLOT_____
SAHIB	7V[illegible]	FULLAM
SALESMAN	7V[illegible]	CTG 53.16
SALT	---	SANGAMON (BASE CALL)
SAMSON	7WR	CTG 53.7
SANDWICH	7WY	GEORGE CLYMER
SATIN	---	MURRAY (BASE CALL)
SAUCY	7XI	HOLLY
SCIVVY	7YE	PC__(#)
SCHENLEY	7YB	COMDESRON 25
SCOOTER	7YF	TRANSGROUP BM.
SCRAPPY	7YL	SALVAGE GOAT
SEESAW	7ZJ	COMCRUDIV 9
SENATOR	7ZO	TG 53.9
SHAKER	7ZY	LCI(L)__(#)
SHATTERPROOF	8AT	WALKER
SHATTUCK	8AV	WAYNE
SHERLOCK	8BT	COMINRON_____
SHOPLIFTER	8CM	MacDONOUGH
SINGAPORE	8DW	STARLING
SLANDER	8EZ	LCT__(#)
SLOCUM	8FG	LCI(L)__(#)
SLOWPOKE	8FM	LEEDSTOWN
SMOKEY JOE	---	SMOKE PLANES, FLIGHT LEADER, TF 53.
SNOWFLAKE	8GN	CTG 51.17
SMOOTHY	8FZ	SANTEE
SOAPSUDS	8GV	CANFIELD
SODA	---	SUWANEE (BASE CALL)
SPARKPLUG	8IE	TG 53.12
SPIDER	---	WADSWORTH (FD CALL)
SPILLWAY	8IO	SWALLOW
STABLEBOY	8JC	COMINDIV_____
STAINLESS	8JI	SHAW

(#) APPEND HULL NUMBER.

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APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

VOICE CALL	CW	SHIP
STARBOARD	8JO	STARBOARD LCS (%)
STARLIGHT	8JR	TG 53.3
STEADFAST	8JV	SAN FRANCISCO
STOVEPIPE	8LN	CTG 51.6
STRANGLER	8LR	TG 53.5
SUGARFOOT	8LY	TG 53.13
SUNBEAM	8MD	VIRGO
SUNDIAL	8MQ	TG 51.3
SURGEON	8NA	LCI GROUP ____
TABLET	8OI	GUNSTON HALL
TARPAULIN	8OU	AGENOR
TEAKWOOD	8PI	LCI FLOT ____
TERMITE	8RB	AQUARIUS
TIDBIT	8SG	COM LCI FLOT ____
TINSEL	---	STEVEDORE BASE (FD CALL)
TITWILLOW	8TC	WADSWORTH
TOBOGGAN	8TN	COM LCI GRP ____
TOMATO	8TS	CLEVELAND
TORNADO	8VT	TG 51.6
TORSO	8WA	TG 53.14
TOURIST	8WI	COM LCI DIV ____
TRAMCAR	8WZ	ANTHONY
TUBBY	8YJ	CTG 53.15
TUXEDO	8ZE	TRANSGRP CONTROL OFFICER
VICTOR ZANY	---	COMDR. LVT WAVE
UKELELE	8ZT	COMCRUDIV 12
UMBRELLA	9AD	LCI DIV ____
UNICORN	9AP	HAMILTON
UPRIGHT	9AS	TALBOT
VANITY	9CE	ARA
VARNISH	9CH	DEWEY
VICKY	9DG	COMDR. OUTER SCREEN
VODVIL	9EH	LCC (*)
VOLUNTEER	9FB	ALL STATIONS THIS CIRCUIT.
WALLET	9GO	COM LCT FLOT ____

(%) APPEND PARENT SHIP HULL NUMBER.
(*) APPEND LAST TWO (2) DIGITS OF HULL NUMBER.

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APPENDIX "2" TO ANNEX "E" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED)

VOICE CALL	CW	SHIP
WARRIOR	9HC	BENNETT
WARHORSE	9HE	CTF 53
WATERMELON	9HS	COM LCT GRP ____
WAXWORK	9ID	CRESCENT CITY
WEBSTER	9LO	ST. LOUIS
WESTBROOK	9GJ	HARRY LEE
WHIRLIGIG	9KL	COM LCT DIV ____
WHIRLPOOL	9KM	COMDESDIV 96
WHARF	---	SANTEE (BASE CALL)
WHISKBROOM	9KO	TG 53.8
WISEDOM 9	9MT9	SOPA STEVEDORE
WORKSHOP	9NQ	COMDR. FIRE SUPPORT GRP TF 53.
YULETIDE	9QO	OSTERHAUS
ZANY	9QW	BOAT WAVE COMDR
ZOMBY	9RT	BARON

SECTION CALLS

Where indicated in task organization, section calls may be formed by appending word "slant" plus the section number to the unit calls.

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ANNEX "F" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

ATTACK FORCE

AIR PLAN

TASK ORGANIZATION

(a)(53.5.1)(53.5.3)	Fire Support Units (VO-VCS Aircraft)	Rear Admiral WEYLER
(b)(53.5.2)	Fire Support Unit (VO-VCS Aircraft)	Rear Admiral AINSWORTH
(c)(53.7)	Carrier Support Group	Rear Admiral RAGSDALE
(53.7.1)	CarDiv 22 (66VF, 27VTB)	Rear Admiral RAGSDALE
(53.7.2)	CarDiv 24 (28VF, 24VTB)	Rear Admiral STUMP

1. Information

(a) Intelligence Plan, Annex "B" to Operation Plan No. A162-44.

(b) Covering Force (TF 58), will operate to cover FORAGER Area.

(c) Assumptions
(1) That enemy submarine attacks are to be expected.
(2) That enemy air and surface attacks may develop.
(3) That mines may be encountered in the harbor, on the reefs, and on the beaches.
(4) That enemy garrison will be reinforced and heavy resistance will be encountered.
(5) That enemy anti-aircraft and coastal batteries and mobile artillery will still be active on the target date.

(d) Annex (F) to Commander Task Force Fifty-one Operation Plan No. A10-44. (Excerpts of that operation plan which apply to the GUAM objective are included in Appendix "1" to this Annex.)

2. Aircraft will support FORAGER operations:

(a) At the objectives by:
(1) Quick destruction or neutralization of enemy coastal and anti-aircraft guns that can fire on transports and boat groups.

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(2)Destruction or neutralization of beach defenses, field artillery and mortars that can fire on boats and on troops after landing.
(3)Destruction of buildings and obstructions near the landing beaches in which enemy troops may find cover.
(4)Preventing movement of enemy reserves to positions for attacking our troops.
(5)Furnishing Combat Air and Anti-submarine Air Patrols.
(6)Providing air reconnaissance; air spotting for fire support ships and landing force artillery; smokers; photographic planes; and other special missions as may be directed.
(7)Providing close air support for seizure and occupation of FORAGER objectives.

NOTICE: THE COUNTER BATTERY MISSION IS PARAMOUNT. IT IS DESIRED THAT EACH ENEMY BATTERY OR ENEMY GUN POSITION BE MARKED AND POSITION REPORTED. NO PLANE OR SHIP WILL DO WRONG WHO INSTANTLY ATTACKS ANY ENEMY GUN THAT FIRES IN THE AREAS ASSIGNED AS ITS RESPONSIBILITY AND IMMEDIATELY THEREAFTER REPORTS THE GUN'S POSITION. THESE REPORTS MUST BE PASSED BY PARENT SHIP OR UNIT COMMANDER TO THE ATTACK GROUP COMMANDER RESPONSIBLE FOR THE LAND AREA IN WHICH THE ENEMY GUN IS LOCATED.

(b) Away from objectives by:
(1) Destruction of enemy naval and air forces.
(2) Interdiction of enemy aircraft staging centers.
(Note: These missions will normally be performed by Task Force 58, but might require employment of CVE groups.)

3. (a)(53.5.1)(53.5.3) Fire Support Units ONE and THREE (VO-VCS Aircraft)

Item:	Task	Time	Aircraft	Armament	Explanatory Notes
1.	Spot for main and secondary batteries	When ordered	VO-VCS	As directed by CTG 53.5.1	When directed by CTG 53.5.1
2.	Spot for other surface batteries	When ordered	VO-VCS	Same	When directed by CTF 53. See Air Communication Plan, Appendix "3".
3.	Special Missions	When ordered	VO-VCS	As directed	If directed by CTF 53.

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3. (b)(53.5.2) Fire Support Unit TWO (VO-VCS Aircraft)

Item:	Task	Time	Aircraft	Armament:	Explanatory Notes
1.	Spot for Main and secondary batteries	When ordered	VO-VCS	As directed by CTG 53.5.2	When directed by CTG 53.5.2
2.	Spot for other surface batteries	When ordered	VO-VCS	Same	When directed by CTF 53. See Air Communication Plan, Appendix "3".
3.	Special Missions	When ordered	VO-VCS	As directed	If directed by CTF 53.

3. (c)(53.7) Carrier Support Group and Carriers of Task Force Fifty-eight will furnish support aircraft for GUAM in accordance with requirements set forth in Annex (F) to Commander Task Force Fifty-one Operation Plan No. A10-44. Specific tasks to be performed by Task Group 53.7 aircraft in meeting these requirements will be furnished later. In general, Task Group 53.7 will supply aircraft for Combat Air Patrol, Anti-submarine Patrol, Artillery Spotters, Air Observers, Smokers, Photographic missions and other special support missions. In addition to the special VF strike, Appendix "4" to this Annex, Task Group 53.7 will furnish such additional aircraft for support missions as may be requested by Commander Task Force 53 (or Commander Bombardment Group TWO - see Annex "D" to this Operation Plan) consistent with other requirements both enroute to and at the objective area. Normally 24 hours advance notice will be given for these special missions.

3. (x)(1) This plan will be effective when Operation Plan No. A162-44 is placed in effect by Commander Task Force 53.
(2) WILLIAM Day will be announced by Commander Task Force 51.
(3) HOW Hour will be announced later.

4. Refueling, rearming, and maintenance details normal.

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ANNEX "F" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

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5. (a) Commander Task Force 53 - USS APPALACHIAN
   (b) Commander Troops and Landing Force - GUAM - USS APPALACHIAN
   (c) Commander Support Aircraft - GUAM - USS APPALACHIAN
   (d) Standby Commander Support Aircraft - GUAM - USS GEORGE CLYMER
   (e) Advance Commander Support Aircraft - USS HONOLULU
   (f) Aircraft communications in accordance with Appendix "3".
   (g) Administrative details normal.
   (h) Use zone minus TEN time.

R. L. CONOLLY,
Rear Admiral, U.S. Navy,
Commander Task Force FIFTY-THREE.

APPENDICES:

"1" Excerpts from Annex (F) and Appendices thereto to Commander Task Force Fifty-one Operation Plan No. A10-44.
"2" Air Anti-Submarine Plan.
"3" Air Communication Plan.
"4" Special Mission for VF Aircraft of CarDiv 22.
"5" III Amphibious Corps S.O.P. 1-44 dated 8 May 1944.
"6" Charts
"7" Fighter Direction Instructions.
"8" Special Instructions.

DISTRIBUTION:

Same as Commander Task Force FIFTY-THREE Operation Plan No. A162-44, except add:

Pilots of Fast Carriers	(100)
Pilots of Task Group 53.7.	(150)
Air Liaison Parties	(50)

S. H. HAHN,
Flag Secretary.

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APPENDIX "1" TO ANNEX "F" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A 63-44

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EXCERPTS FROM ANNEX (F) AND APPENDICES THERETO TO COMMANDER TASK FORCE FIFTY-ONE OPERATION PLAN NO. A13-44.

AIR SUPPORT PLAN FOR THE CAPTURE OF GUAM
AIR SUPPORT REQUIRED PRIOR TO WILLIAM DAY

1. The preliminary bombardment of GUAM commencing on DOG DAY and continuing until WILLIAM minus 1 DAY will be directed upon the primary targets as set forth below.

(a) Destruction of coastal defense guns, dual purpose guns, and other installations particularly on SAUPEN POINT, AGANA, ASAN, CABRAS ISLAND, PITI, OROTE PENINSULA, SUMAY, CHACHAO MT., MT. TENJO, ALIFAN MT., AGAT BAY, FACPI POINT, UMATAC BAY AREAS, and others as later directed.

(b) Destruction of anti-aircraft guns on GUAM.

(c) Destruction of defenses on landing beaches and field artillery and mortars that can fire on boats and troops during and after landing.

(d) Destruction of buildings in which the enemy might take cover, particularly at SUMAY TOWN, OROTE PENINSULA, PITI, AGANA and AGAT.

(e) Destruction of communications and transportation facilities on the west and northwestern coasts including small craft, radio stations, radar, railroad junctions and vehicles.

(f) Destruction of enemy troops.
(Note: A list of the above targets and their locations will be found in Appendix (5).

Aircraft of Task Force 58 and aircraft of Task Force 53 provide air support for the capture of GUAM as follows:

AIR SUPPORT REQUIRED ON WILLIAM MINUS 1 DAY

2. Commander Advance Support Aircraft will be located in a vessel designated by CTF 53.

(a) WILLIAM minus 1 — Commander Task Force 58 has been requested to make fighter sweeps on enemy airfields on GUAM in order to destroy aircraft.

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(b) DAWN
WILLIAM minus 1

12 VF for Combat Air Patrol
Armament: Normal
Maintain the above aircraft as Combat Air Patrol over the objective area during daylight hours. Combat Air Patrols relieve each other on station. Relieved planes be prepared to strafe on direction of Commander Advance Support Aircraft.

(c) DAYLIGHT
WILLIAM minus 1

6 VTB for Anti-Submarine Patrol
Armament: (see Appendix (6)).
Maintain the above aircraft as Anti-Submarine Patrol for the protection of Naval ships in the objective area during daylight hours. The carrier providing Anti-Submarine Patrol planes will be prepared to launch a relief plane in the event of a submarine contact. Patrols are to be flown in accordance with instructions contained in Appendix (6).

(d) 0600
WILLIAM minus 1

1 VTB (VF) for Air Coordinator
From 0600 to 1800 on William minus 1 Day, maintain on station in the objective area one Air Coordinator for the coordination of air activities and for directing, from the air, air attacks and other missions as specified herein and as may later be specified by Commander Advance Support Aircraft.

(e) 0600 12 VF 12 VSB 9 VTB for called Strikes and Covering Missions
WILLIAM minus 1

Armament		Tail Fuze	Nose Fuze
VF	Normal		
SBD	1-500# G.P.	.01	.01
	2-250# G.P.	Non-Delay	Instant
SB2C	2-500# S.A.P.	.025	None
	2-250# G.P.	Instant	Instant
VTB	HE Rockets (when available)		
	10-100# G.P.	.01	.1

From 0600 to 1800 on William minus 1 Day, maintain on station the above aircraft for such missions as may be directed by Commander Advance Support Aircraft.

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APPENDIX "1" TO ANNEX "F" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

Strike No.	& Types of Aircraft	Initial Point for Reporting on Station	Time of Arrival at Initial Point	Time of Departure from Objective
"Able"	12VF 12VSB 9VTB	Easy	0600	0730
"Baker"	Same	Sugar	0730	0900
"Charlie"	Same	Easy	0900	1030
"Dog"	Same	Sugar	1030	1200
"Fox"	Same	Easy	1200	1330
"George"	Same	Sugar	1330	1500
"Item"	Same	Easy	1500	1630
"King"	Same	Sugar	1630	1800

During the morning and afternoon of William minus 1 Day, reconnaissance and demolition units will operate off the northwest Coast and west Coast of GUAM. Aircraft on station support this operation as directed by Commander Advance Support Aircraft. Missions of these groups will be as follows:

(1) Destruction of Coast Defense, Dual Purpose and AA Guns on GUAM.
(2) Destruction of inland defenses, installations and structures.
(3) The destruction of buildings around OROTE Airfield and airfield near TIYAN.
(4) Destruction of communications and transportation facilities, including small craft, radio stations, observation towers, vehicles, railroad and road junctions.

A list of the above targets and their location is to be found in Appendix (5). It is important that the Air Coordinator and Flight Leaders locate, mark, and report gun batteries. They should also be familiar at all times with the location of the above targets which have not previously been destroyed.

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On WILLIAM minus 1 naval bombardment will be concentrated on gun positions, defense installations and buildings close to the beaches on the west Coast and northwest Coast of GUAM. Except for emergency counter battery fire, surface ships restrict their gunfire to the beach areas and 1000 yards inland. If it is desired to conduct Naval Gunfire inland, Commander Advance Support Aircraft will direct planes to withdraw from the area.

(f) WILLIAM minus 1 — 6 Smokers

Beach Reconnaissance Units, of Underwater Demolition Teams will operate off the western and northwestern beaches of GUAM on the morning of WILLIAM minus 1 DAY. Demolition units will operate off these beaches in the late afternoon of WILLIAM minus 1 DAY. Commencing at 0800 and again at 1500, maintain 6 Smokers, prepared to take off on instruction from Commander Advance Support Aircraft, to cover these operations. Commander Advance Support Aircraft will advise carriers providing smokers ONE Hour prior to desired time of launching.

(g) 0900 WILLIAM minus 1 — Photographic Plane.

(1) At about 0900 on WILLIAM minus 1 DAY take vertical photographs from SAUPEN POINT to FACPI POINT. Photographs to cover reefs, Harbors and beach areas to about 2000 yards inland.
(2) Photographs should be on a scale of 1-5000 or greater.
(3) Deliver 3 sets of prints to U.S.S. APPALACHIAN the same day.

3. AIR SUPPORT REQUIRED COMMENCING WILLIAM DAY AND CONTINUING UNTIL OTHERWISE DIRECTED BY COMMANDER SUPPORT AIRCRAFT

Commander Support Aircraft is located in U.S.S. APPALACHIAN.

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(a) DAWN WILLIAM DAY

12 VF for Combat Air Patrol.
Armament: Normal
Maintain the above aircraft as Combat Air Patrol over the objective area during daylight. Combat Air Patrols relieve each other on station. Relieved planes be prepared to strafe on direction of Commander Support Aircraft.

(b) DAWN WILLIAM DAY

6 VTB for Anti-Submarine Patrol.
Armament: (See Appendix (6).
Maintain the above aircraft as Anti-Submarine Patrol for the protection of Naval Ships in the objective area during daylight hours. The Carrier providing Anti-Submarine Patrol planes will be prepared to launch a relief plane in the event of Submarine contact. Patrols are to be flown in accordance with instructions contained in Appendix (6). Relieved planes, except for those carrying special anti-submarine devices, join up at Point X-Ray, altitude 1500 feet, unless otherwise directed by Commander Support Aircraft. When joined up, Flight Leader report to Commander Support Aircraft for bombing mission. They will be assigned immediate mission or directed to return to carrier. Planes carrying special anti-submarine devices return to Carrier directly upon completion of patrol.

(c) WILLIAM DAY

1 VTB (VF) for Air Coordinator.
Commencing when the first strike arrives on station and continuing until 1800 unless otherwise instructed, maintain on station in the objective area one Air Coordinator for the coordination of air activities and for directing, from the air, air attacks and other missions as specified herein and as may later be specified by Commander Support Aircraft.

(d) HOW minus 60 WILLIAM DAY

2 VTB for Air Observers.
Commencing at H minus 60 on WILLIAM DAY and during daylight hours throughout the remainder of the operation, maintain in best observing position in the vicinity of the objective, the above aircraft for the Air Observers for the purpose of observing and informing the [illegible] Commander

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of the ground situation. These planes will carry especially trained Infantry Liaison Officers for observation of the ground situation.

(e) HOW plus 60 WILLIAM DAY — 1 VTB Photographic Plane. Commencing at HOW plus 60 on WILLIAM DAY, and at 0900 on succeeding days, maintain on station at Initial Point X-Ray until 1600 each day, one VTB Aircraft equipped to take photographs. The aircraft must be equipped to drop the negatives to the Command Posts on Shore or the Headquarters Ship as directed.

(f) WILLIAM DAY — 3 VTB for Artillery Spotters. Commencing when the field artillery has been established on shore and on order from Commander Support Aircraft, maintain the above aircraft over the objective area for the Artillery Spotters for the purpose of spotting artillery fire. These planes spot for their own artillery. Therefore it is necessary that spotters are launched in planes assigned to their own unit.

As soon as suitable landing area has been established on shore and upon request of the Landing Force Commander, the Attack Force Commander will order OY Artillery Spotting Planes and personnel launched from the Carriers on which they are embarked. Artillery Spotting missions will then be performed by these aircraft based on shore.

4. ADDITIONAL AIR SUPPORT REQUIRED ON WILLIAM DAY

(a) WILLIAM DAY — Commander Task Force 58 has been requested to make fighter sweeps on enemy airfields on GUAM in order to destroy aircraft.

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(b) 0615 to 1130 WILLIAM DAY — 16 VF, 12 VSB, 9 VTB for called strikes.

Armament:		Tail Fuze	Nose Fuze
VF	Normal		
SBD	1-500# G.P.	.01	.01
	2-250# G.P.	Non-Delay	Instant
SB2C	1-1000# G.P.	.025	None
	2-250# G.P.	Instant	Instant
TBF	(a) HE Rockets (when available)		
	10-100# G.P.	.01	.1
	(b) 12-100# Frag. clusters	Non-Delay	Instant

From 0615 to 1130 on WILLIAM DAY maintain the above aircraft on station over the objective area.

Strike	No. and Types of Aircraft	Initial Point for Reporting on Station	Time of Arrival at Initial Point	Time of Departure from Objective
Strike "Able"	16 VF 12 VSB 9 VTB	Easy	0615	0700
Strike "Baker"	Same	Easy	0730	0830
Strike "Charlie"	Same	Sugar	0830	1000
Strike "Dog"	Same	Easy	1000	1130

From dawn until H-Hour, Naval Gunfire will be concentrated on coastal defense guns on the shores of GUAM and on defense installations and structures on the west and northwest beaches of GUAM. Except for emergency counter battery fire, surface ships restrict their gunfire to the beach areas and 1000 yards inland. If it is desired to conduct Naval Gunfire inland, Commander Support Aircraft will direct planes to withdraw from the firing area.

Strike aircraft, during this period, will perform the following missions as directed by Commander Support Aircraft.

(1) Counter-battery fire against inland guns firing from GUAM and the destruction of guns and installations that cannot be seen or fired on by our ships.

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(2) Destruction of mobile field artillery pieces and mortars that can fire on boats and troops during and after landing, with special emphasis on the western slopes overlooking the landing beaches.

(3) Destruction of enemy personnel and vehicles moving either toward the landing beaches for reinforcements or retreating from the beaches toward the hills.

(4) Dislocation of communications by bombing important road junctions.

LOCATION AND CONTROL OF STRIKE AIRCRAFT FROM DAWN TO H-HOUR

Strike aircraft maintain station at Initial Points Easy or Sugar during this period as scheduled. In order to have available a small composite group (for example 4 VF, 3 VSB and 3 VTB) for an immediate strike, the Commander Support Aircraft may direct the individual flight leaders to designate a certain number of planes for this purpose. It is possible that several small composite groups may be required to be immediately available for attacks on specific objectives.

(c) HOW minus 90 to HOW minus 60

46 VF, 96 VSB or VTB for HOW HOUR STRIKES.

WILLIAM DAY

Beginning at HOW minus 90 minutes and until HOW minus 60 minutes, unless otherwise instructed by Commander Support Aircraft, make heavy strike on GUAM in order to support the major landing on the beaches in the ASAN and AGAT landing beaches. The Air Coordinator will direct and coordinate the entire strike. This strike must commence on schedule and be completed not later than H minus 60 as major caliber gunfire and mortar fire is being lifted during the period of this attack. Bomb and strafe gun positions and beach installations as indicated hereinafter. The following numbers and types of planes are considered necessary to support effectively the landing; VF aircraft should strafe immediately ahead of the bombers in order to provide maximum protection.

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APPENDIX "1" TO ANNEX "F" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

Location	Targets	Airplanes	Armament
FACPI POINT	(1) Beach Defenses (2) Machine guns (3) Observation post	6 VSB 4 VF	1-500# G.P. 2-250# G.P. Normal
Landing beach between FACPI and AGAT TOWN	(1) Beach Defenses	6 VTB 4 VF	12-100# G.P. Normal
AGAT TOWN	(1) Buildings and Installations	6 VSB 4 VF	2-500# G.P. 2-250# G.P. Normal
OROTE PENINSULA AND SUMAY TOWN	(1) Dual purpose guns (2) AA Artillery (3) AA Weapons (4) Machine guns (5) Buildings and Installations	36 VSB or VTB 12 VF	1000#,500#, 250# G.P.
PITI TOWN and CABRAS ISLAND	(1) Buildings and Installations (2) Machine guns	12 VSB or VTB 6 VF	500# G.P. Normal
Landing Beach PITI TOWN to AGANA TOWN	(1) Beach Defenses (2) Trenches	6 VTB 4 VF	12-100# G.P. Normal
AGANA TOWN and Airfield Area	(1) AA Artillery (2) AA Weapons (3) Rifle Pits (4) Buildings and Installations (5) Machine guns	24 VSB 12 VF	1000#,500#, 250# G.P.

IMPORTANT NOTES

1. In addition to the above armament HE Rockets should be used when available.
2. The above list of targets is by no means complete and other targets, as they are discovered in these areas, must be included in the objectives [illegible] attacked as directed by Commander Task Force 53.

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3. Naval Gunfire should be prepared to conduct fire on above objectives from H minus 90 to H minus 60 in the event the weather prevents the execution of this mission by naval aircraft.
4. Fuzing of bombs shall be in accordance with current carrier practice.
5. The bomb loading as specified above may be varied to provide for changes in defense installations.
6. HOW-HOUR strike report on station at Initial Point Easy.

(d) HOW minus 60 to HOW plus 60 — 6 Smokers.
WILLIAM DAY — Armament: Smoke

From HOW minus 60 to HOW plus 60 on WILLIAM DAY, maintain the above smokers on station at Initial Point X-Ray, prepared to lay smoke on instructions from Commander Support Aircraft.

(e) 1130 to 1730 WILLIAM DAY — 16 VF, 12 VSB, 9 VTB for Direct Strikes.

Armament		Tail Fuze	Nose Fuze
VF	Normal		
SBD	1-500#G.P.	.01	.1
	2-250#G.P.	Instant	Instant
SB2C	2-500#G.P.	Non-Delay	Instant
	2-250#G.P.	Non-Delay	
TBF	(a) HE Rockets (if available)		
	12-100# Frag. Clusters	Non-Delay	Instant
	(b) 2-500#G.P.	.01	.1
	2-500#G.P.	Non-Delay	Instant

From 1130 to 1730 on WILLIAM DAY, maintain the above Aircraft on station over the objective area for called Strikes.

Strike	No. and Types of Aircraft	Initial Point for Reporting on Station	Time of Arrival at Initial Point	Time of Departure from Objective
Strike "Fox"	16 VF 12 VSB 9 VTB	Sugar	1130	1300
Strike "George"	Same	Easy	1300	1430
Strike "Item"	Same	Sugar	1430	1600
Strike "King"	Same	Easy	1600	1730

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APPENDIX "1" TO ANNEX "F" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

5. ADDITIONAL AIR SUPPORT REQUIRED ON WILLIAM PLUS 1 DAY AND THEREAFTER UNTIL OTHERWISE INSTRUCTED.

(a) 0600 to 1800 WILLIAM plus 1 — 16 VF, 12 VSB, 9 VTB for called Strikes.

	Armament	Tail Fuze	Nose Fuze
VF	Normal		
SBD	1-500# G.P.	.01	.1
	2-250# G.P.	Instant	Instant
SB2C	1-1000#G.P.	.025	Instant
	2-250# G.P.	Non-Delay	Instant
TBF	(a) HE Rockets (if available)		
	12-100#G.P.	.01	.1
	(b) 2-500# G.P.	.01	.1
	2-500# G.P.	Non-Delay	Instant

From 0600 to 1800 on WILLIAM plus 1 DAY and thereafter until otherwise instructed, maintain the above Aircraft over the objective area for called Strikes as directed by Commander Support Aircraft.

Strike	No. and Types of Aircraft	Initial Point for Reporting on Station	Time of Arrival at Initial Point	Time of Departure from Objective
Strike "Able"	16 VF 12 VSB 9 VTB	Easy	0600	0730
Strike "Baker"	Same	Sugar	0730	0900
Strike "Charlie"	Same	Easy	0900	1030
Strike "Dog"	Same	Sugar	1030	1200
Strike "Fox"	Same	Easy	1200	1330
Strike "George"	Same	Sugar	1330	1500
Strike "Item"	Same	Easy	1500	1630
Strike "King"	Same	Sugar	1630	1800

6. Instructions for Aircraft Supporting the Attack on GUAM.

(a) Reporting on Station.

(1) Strike Groups report on station of Initial Points as scheduled.

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(2) All other aircraft, with the exception of Combat Air Patrol, maintain station at Initial Point X-Ray unless otherwise instructed.

(b) Traffic Rules. (1) The direction of flow of aircraft around the Initial Points is as indicated in Appendix (3).

(2) All Pilots must be familiar with traffic rules.

(c) Attack Rules. (1) Wherever possible attacks must be executed so as to avoid Naval Gunfire over the beaches and water area. UNDER NO CIRCUMSTANCES WILL PILOTS FLY THROUGH HIGH ANGLE GUNNERY CURTAINS. TAKE SPECIAL PRECAUTIONS TO AVOID FLYING THROUGH FIRE FROM MORTARS, ROCKETS AND FIELD ARTILLERY.

(2) Piers, docks, fuel tanks and hospitals should be preserved if possible. This must not interfere, however, with the destruction of guns or of structures which might conceal enemy personnel or installations.

(d) In case of enemy air attack, Commander Support Aircraft will normally instruct Direct Support Groups to withdraw 25 miles in the opposite direction from which the air attack is approaching and await further orders. VF may be retained over the objective area to augment the regular Combat Air Patrol.

(e) All pilots supporting the attack on GUAM must carry the following 8 x 8½ maps and photographs.

1. General Area Maps.
2. Map of GUAM.
3. Blow up sheets of GUAM.
4. Operation Map of Guam.
5. Anti-Sub Chart (for ASP Planes only).

7. HOW HOUR on WILLIAM-DAY is scheduled 0830.

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8. Fire Support Group of Task Force 53 will furnish VOS Aircraft for the Support of the Capture of GUAM as follows:

(a) Commencing WILLIAM minus 1 DAY, furnish VOS Aircraft for spotting Ship's Gunfire.

(b) VOS Aircraft refrain as far as practicable from flying over land areas.

9. In order that the Commander Support Aircraft be cognizant of all aircraft operating in the vicinity of the Attack Force, at the objective, search planes, transport planes, ambulance planes and other itinerant aircraft shall report to Commander Support Aircraft prior to entering area.

10. Communication instructions for Support Aircraft, including Combat Air Patrol and Anti-Submarine Patrol are given in Appendix 8 to Annex (F) of Commander Task Force Fifty One Operation Plan A10-44. Escort vessels are directed to refer to these instructions for information concerning use of the Local Air Warning primary and secondary frequencies.

11. The Commander Attack Force 53 is authorized to make such modifications in the Air Plan of GUAM as are dictated by special requirements provided the General Plan for Air Support is adhered to.

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APPENDIX "1" TO ANNEX "F" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

Appendix 1 to Annex (F) to
CTF 51 Operation Plan No. A10-44

GENERAL INSTRUCTIONS

1. Commander Support Aircraft at each objective is embarked in the flagship of the Attack Force Commander unless otherwise designated. The Attack Force Commander, through the Commander Support Aircraft, commands support aircraft from the time that the aircraft arrive on station until their departure for recovery by the parent carrier. Prior to their reporting on station and after departure for recovery, these aircraft will operate under command of their respective carrier group or unit commanders. Support Aircraft includes Combat Air Patrols, Anti-Submarine Patrols Support Aircraft Groups and aircraft assigned special missions such as smokers, photographic planes and liaison planes.

2. Advance Commander Support Aircraft is in control of Support Aircraft prior to the arrival at the objective area of Commander Support Aircraft.

3. The Air Coordinator is a Group or Squadron Commander. He should normally fly in a TBF type aircraft which has excellent radio facilities and long endurance. This is desirable in order that he may have a running picture of the ground situation as it develops and, as directed by Commander Support Aircraft, give pertinent information to incoming flights.

In General, the duties of the Air Coordinator are:

(a) Direct and control scheduled air strikes as set forth in the air plan and control other attacks as directed by the Commander Support Aircraft.

(b) Report noteworthy developments in the ground situation.

4. Each type of aircraft from each carrier in a strike group is under a Flight Leader. He reports the arrival and departure of the flight from the objective area to the Commander Support Aircraft, giving the types and numbers of planes in his flight.

In general, his duties are:

(a) Carry out orders received from Commander Support Aircraft or the Air Coordinator.

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(b) Direct bombing and strafing attacks of his flight when so ordered.

(c) Report to Commander Support Aircraft significant observations made by himself or by pilots in his flight.

5. Air Observers are trained Army or Marine Air observers whose principal function is to keep the Landing Force Commander informed on the ground situation.

6. Artillery Spotters are trained Army or Marine spotters whose function is to direct artillery fire on targets.

7. Radio discipline must be maintained at all times. A marked improvement was shown in FLINTLOCK and CATCHPOLE over GALVANIC but there was still much unnecessary voice transmission. Visual signals for communication between aircraft should be used wherever possible.

8. It is recommended that all carriers supporting the operation make provisions to monitor the following nets: Support Air Request, Support Air Direction, Support Air Observation. This will enable pilots to receive proper briefing before troop support missions.

9. Timing is most important. Attack on time and DO NOT ATTACK after a given time limit. If an attack is scheduled on the position of either troops or boats, do not continue the attack after the troops or boats have reached the designated point. Troops may be using air support to cover an advance, and attacks beyond a specified time limit may very likely hit our own forces. If attacks are not methodically carried out, troops may think the attack is completed and advance into the fire of the attacking planes.

In order to obtain maximum effect, it is important that bombing and strafing be carried out deliberately, accurately and in order assigned and in coordination with other air units, troops and gunfire (Naval and Artillery).

Times of commencing and ceasing bombing or strafing which may be given in reference to HOW Hour are approximate. During the critical landing period, i.e., from the time the first wave of boats leave the line of departure until the landing has been effected, the distance of the loading [illegible] of troops from the beach is the governing factor.

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10. Pilots must know the exact location of the target before commencing an attack. Bombers must pull out without dropping and and fighters must hold their fire if they are not on the target.

11. No surface craft will be attacked by aircraft in the vicinity of the objective unless it has been positively identified. If identity is doubtful, report presence of vessel to Commander Support Aircraft.

12. Do not bomb or strafe without orders from competent authority, i.e., Commander Support Aircraft or the Air Coordinator. This is more important in this than in previous operations due to possibility of a wide and irregular front with frequent pockets of resistance and infiltration.

13. Rendezvous points will be as specified in the Air Plan. Flight Leaders must maintain sufficient altitude (if possible) while they are at one of the rendezvous points so that they may readily deliver a prospective attack when ordered. If it becomes necessary to move their flights from one rendezvous point to another because of weather conditions, anti-aircraft fire, or any other reason, the flight leader will notify the Commander Support Aircraft.

14. Designation of Targets.

In designating targets to pilots, Commander Support Aircraft will first give the Name of the Island where the target is located, then the target map sheet number, and then the designating numbers and letter of the target area.

EXAMPLE: "95 PINK, this is REBEL. Bomb pill box on GUAM SHEET 2 Target Area 851 DOG." Air Liaison Officers use the same method in requesting air support. Due to the small scale of the maps necessitated by the large land areas, designation of targets by this method can only give the pilot the general location of the target. Air ground VISUAL Communications must be used to pin point most targets.

15. Air Ground Communications.

(a) Fluorescent Panels will be used to mark forward lines of friendly troops. They will be displayed as near to the front line as practicable by the front line units on signal from the Air Coordinator. Panels will be carried by four selected men in each squad. They will be yellow or red as designated and will be approximately 30 X 36 inches in size.

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Successful panel discipline requires not only that panels be laid by all men carrying them in order to mark successfully the front lines but also that these panels be removed after the attack is completed. Confusion will be eliminated and the safety of troops insured, if panel discipline is enforced. All pilots will interprete front line panels as indicating the actual front line.

(b) Tanks will be marked with panels or paint to indicate their division.

(c) Target Designation Panels - will be laid out by Air Liaison parties in order to supplement radio instructions; these may not always be visible due to vegetation. CCBP-8 will be used as doctrine for panel communication.

16. Air Ground Pyrotechnic Code:

SIGNAL	MEANING
(1) Very Pistol: Red-Red (from aircraft)	(Troops) Display front line panels; air attackabout to commence.
(2) Very Pistol: Green-Green (from aircraft)	Air Attack completed.
(3) Smoke (White phosphorous) Shells, from shore artillery.	Indicates position of target.
(4) Colored Smoke (from ground troops).	Supplement panels to indicate front lines.

When an air attack is being coordinated with a troop movement, the last pilot in the last attacking flight should be directed by the Air Coordinator to fire a Green-Green signal as he completes his attack, which will be the "All Clear" signal for the troops to advance. The flight leaders must inform Commander Support Aircraft of the beginning and completion of all attacks.

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In all cases Pyrotechnic Signals are secondary to voice communications. It should be remembered that timing is of primary importance when using smoke for signalling. Unless there is close coordination, the wind will nullify its value as a signal.

17. The following Reports are required:

(a) All Support Aircraft.

(1) Flight Leaders voice call.
(2) Number and types of planes in flight.
(3) Mission, i.e., group designation letter, HOW HOUR strike, Smoke Layers, etc.
(4) Required time of departure for base.
(5) Armament.
(6) Station.
(7) Beginning and completion of attack.

(b) Combat Air Patrols.

When airborne shall report to the Force (Group or Unit) Fighter Director on the Primary Fighter Net (if available otherwise on VHF) the following:

(1) Division calls.
(2) Number of planes in each division.
(3) Approximate time before arriving on station.
(4) Angels.

When relieved from Combat Air Patrol and unless otherwise directed the flight leader shall report the following to Commander Support Aircraft:

(1) Flight Leaders voice call.
(2) Number of planes in flight.
(3) Mission (EX-CAP).
(4) Time available for use on station.

18. Careful briefing of pilots and prior study of target maps with thorough understanding of target designation system are essential for effective air support operations. All pilots must be familiar with location of major installations covered in the Attack Orders issued by the respective Attack Force Commanders.

19. All planes have IFF on at all times when in the air.

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20. In case of forced landing report to Commander Support Aircraft who will initiate rescue operations.

21. SAFETY PRECAUTIONS.

(a) Do not fly over friendly troops or shipping unless required by mission to do so. When necessary to close surface vessels (except during combat) aircraft will approach in a manner that clearly indicates the planes friendly character, and avoid maneuvers that might be expected from an enemy. (See U.S.F. 70-A, Sec. 5230)).

(b) Keep clear of line of fire of Naval and Shore Artillery.

(c) The relief of Combat Air Patrols and Anti-Submarine Patrols must be so arranged as to result in relieved patrols having sufficient fuel to permit rendezvous and expenditure of their bombs and ammunition against designated targets prior to returning to base; one-half hour's fuel should be allowed for this purpose.

(d) In bombing and strafing ammunition dumps the interval between planes should be sufficient so that blast from explosion will not damage following plane. The practice of circling immediately over a burning area on the beach is dangerous because a sudden explosion may destroy the aircraft.

(e) Photographic planes, spotting aircraft, air liaison observation planes and other special mission aircraft must be thoroughly familiar with the traffic flow of Support Air striking groups and must keep clear of these groups.

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Excerpt From Appendix 5 to Annex (F) to CTF51 Operation Plan A10-44.

2. GUAM

(a) The following list of defenses is based on a photo coverage of the island on April 25, 1944. Owing to certain minor discrepancies in the chart the difficulties involved in pinpointing targets exactly, prevented anything more than the closest possible approximation.

(b) The list of targets cannot be complete because of the time interlude between photo coverage and the operation. Other targets which are discovered must be included in the objective to be attacked.

(c) Targets and Defense installations listed herein appear in Air Target Folders:

Sheet Number	1000 Yard Target Area	200 Yard Target Square	Description
2	824	V (in vicinity of)	1 Outpost
2	837	E	1 Pillbox
2	852	Y	Trenches running
		U	from 852Y thru 853U
2	853	K, P.	3 Pillboxes
2	867	O, T, Y,	Trenches
2	867	T	1 Pillbox
2	877	K, Q, W.	1 Trench
2	877	X	1 Pillbox
2	877	S	1 Machine Gun
2	877	A, F, G.	3 Pillboxes
3	634	Q	1 Possible Radar
3	636	D	Rifle Pits
3	651	M	Rifle Pits
3	652	I	Anti-Tank Ditch
3	653	G	Rifle Pits
3	654	D	Road Junction
3	666	P	Rifle Pits
3	666	Band G	Anti-Tank Ditch
3	681	G	Unidentified Installation
3	697	Rand W	Anti-Tank Ditch
4	774	H	1 Outpost

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APPENDIX "1" TO ANNEX "F" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

Sheet Number	1000 Yard Target Area	200 Yard Target Square	Description
5	395	A	2 Machine Guns
5	395	A, K, F, P.	3000 feet of Trenches
5	395	C, D.	Road Junction
5	410	J (on coast)	Empty Revetment and covered artillery position
5	410	C, I.	Trench about 800 feet long
5	411	D, E.	4 Dual Purpose; 2 possibly 4 Auto. AA
5	411	F	1 Machine Gun
5	411	Y	1 Machine Gun
5	411	M,S,Y.	Trenches 3000 feet
5	430	K,L.	Road Junction
5	433	K, O, T.	Road Junction
5	435	S	Observation Tower
5	450	H, I.	4 Automatic AA
5	451	L	Possible Searchlight
5	451	K	1 Automatic AA; 1 possible Radar
5	451	P	1 Possible Searchlight
5	451	Q	1 Possible Radar
5	451	R	1 Possible Radar
5	451	I, J.	3 Automatic AA
5	452	F, G.	3 Possible 4 Heavy AA
5	472	H, I, N.	4 Automatic AA 3 Machine Guns
5	472	O	5 Machine Guns
5	472	P	2 Machine Guns
5	472	F	4 Automatic AA
5	474	X	4 Possible Machine Guns
5	496	O, T.	4 Dual Purpose Guns
5	497	Q	Unidentified Installation
5	535	Q	3 Possible Automatic AA
5	554	H	Searchlight
5	558	G, K.	1 Machine Gun
5	580	N	2 Automatic AA
6	467	B	Road Junction
6	593	H, I.	4 Heavy AA
6	593	O.	Road Junction
6	608	N, I.	4 Empty Revetments
6	608	T	Rifle Pits

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APPENDIX "1" TO ANNEX "F" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

Sheet Number	1000 Yard Target Area	200 Yard Target Square	Description
6	609	Q	Possible Radar
6	609	L	1 Automatic AA
6	609	Q	Rifle Pits
6	609	M, R.	Radio Direction Finder
6	609	R	2 Machine Guns and 2 Automatic AA
6	609	M	Possible Searchlight
6	622	X, Y.	3 Automatic AA
6	622	Q, R, V, W.	Possible Fuel Storage
6	606	S & T	4 Heavy AA
10	117	E	3 Possible Machine Guns

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Appendix 6 to Annex (F) to
CTF 51 Operation Plan A10-44.

AIR ANTI-SUBMARINE PATROL PLAN - OBJECTIVE AREAS

1. This plan is for carrier-based aircraft and tender-based aircraft which will be flown to provide Air Anti-Submarine Patrol for protection of shipping in both objective areas in accordance with instructions contained in Annex (F) of Commander Task Force Fifty-one, Operation Plan A10-44 and this Appendix. The plan consists of three sections outlined in the attached diagrams labeled "Plan #1", "Plan #2, and "Plan #3".

   (a) "Plan #1" is for use at both the SAIPAN - TINIAN objective area and the GUAM objective area during daylight hours. It provides an inner patrol, sectors #4, #5, and #6, by three TBF (TBM) aircraft; an intermediate patrol, sectors #1, #2, and #3, by three TBF (TBM) aircraft; and an optional outer patrol, sectors #7, #8, and #9, by three PBM3D aircraft.

   (b) "Plan #2" is for use at both the SAIPAN - TINIAN objective area and the GUAM objective area during the hours of darkness. It provides three patrol sectors flown by PBM3D aircraft.

   (c) "Plan #3" is for optional use in combining the separate inner and intermediate Anti-Submarine Patrols at the two objective areas during daylight hours with a common outer screen of three sectors flown by PBM3D aircraft.

2. The following assumptions are made concerning aircraft operations during the execution of the above plans:

   (a) TBF (TBM):
   (1) 150 knots speed.
   (2) 5 hours duration.
   (3) Carrier based.
   (4) ASB radar.
   (5) Dependable search radius of ten miles, either visual or radar.
   (6) Dependable navigation.

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(b) PBM3D:
(1) 120 knots speed.
(2) 13 hours duration.
(3) Tender based.
(4) ASG radar
(5) Sono buoys.
(6) Dependable search radius of twenty miles, by radar.
(7) Dependable navigation.

3. The plans are developed on the estimated submerged and surface speeds of Japanese submarines and give approximately 25% safety factor for developing contacts. Allowance is not made for confusion resulting from such conditions as stray vessels and deployed task units. It is essential to the integrity of the plans that friendly units remain within established operating areas.

4. The guide (point of origin) and axis of orientation of "Plan #1" and "Plan #2" for each objective will be given by Commander Support Aircraft. These will probably vary at each objective during the course of the operation. Points "A" and "B" in "Plan #3" and the center points of search sectors #7, #8, and #9 will be given by Commander Support Aircraft as a given number of miles distant on a given bearing from the guide point (point of origin) of "Plan #1" at the appropriate objective.

5. Detailed Directions:

(a) "Plan #1":
(1) The carrier-based screen of TBF (TBM) type aircraft should be relieved every three hours. Three hours will allow approximately two complete sweeps of the track of sectors #1, #2, and #3. Planes should always relieve at the center point and the relieved plane should complete two circuits before breaking off mission.
(2) Navigation must be positive and accurate. To this end, the guide point (point of origin) will always be definitely established. Pilots will proceed to the center point of their assigned search sector and release a Mark I Depth Charge Marker from which to orient themselves on every succeeding circuit. If the dye marker dropped by the plane being relieved is still visible and within two to three miles of the correct position, the

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fresh marker should be dropped at the same point in order to avoid confusion. Each sector repetition should be started directly over the dye marker. Pilots #1, #2, and #3 must use caution in not shortening their legs as laid out in the plan and near the end should use the utmost search vigilance. It is extremely important that the direction of rotation on the crossover searches #1, #2, and #3 be as indicated. (End of search to be flown away from center).

(3) Sub contacts will create a weakness in the Plan, particularly if established by planes of Sectors #1, #2, or #3. A plane should therefore be dispatched to pick up the patrol from the center point of the sector assigned to the plane which made the contact. The relieving plane should first search that portion of the circuit which is most remote from the contact. The plane making contact after delivering an attack should carefully mark the point of contact and shift his IFF to "contact" position, reporting by voice on the LOCAL AIR WARNING NET. After fifteen to twenty minutes at the scene of attack, if visual contact cannot be reestablished the plane should withdraw to a distance of approximately five miles, always keeping the dye marker in sight and circle the point, watching for the submarine to surface and driving him down with any weapons available. If the submarine indicates a reluctance to dive, the command ship should be notified accordingly and harassing continued. When a surface vessel arrives at the scene of contact, the plane will shift IFF back to normal position and take station approximately ten miles from the ship, circling until relieved. If the surface vessel gets contact, the pilot will not attack unless the sub surfaces. Planes cannot attack submerged subs except with MARK 24 mine. Unless positive identification exists, this should not be attempted. If no MARK 24 mine is carried, the surface vessel should be coached on to the contact with smoke floats. The plane covering contact should be relieved every three hours on station. In view of the type mission involved, gambit tactics as described by FTP 219 will be substituted by hold-down tactics as described above.

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(4) PBM3Ds if available will fly outer patrols #7, #8, and #9 as indicated by broken lines. PBMs will use MARK I Depth Charge marker as above. Since the mission of the PBMs in the outer screen is offensive normal gambit tactics as directed in FTP 219 should be employed until a surface vessel becomes available. Sono Buoys should be employed according to current doctrine.

(5) ASB radar shall be employed by carrier based TBFs (TBMs) only if radar range exceeds visual range. ASG radar of PBM3Ds shall be used continuously.

(6) Picket boats (DDs or DEs) if available will be stationed at the points indicated in "Plan #1" to increase the integrity of the plan and for quick dispatch in event of a submarine contact.

(7) Each plane will report to Commander Support Aircraft on Local Air Warning circuit individually when relieving on station.

(8) Relieved planes will rendezvous at Point X-Ray and flight leader will report to Commander Support Aircraft for further instructions.

(9) Planes equipped with special ASW weapons will not be used for strike or troop support missions and will return to carrier directly upon completion of patrol.

(b) "Plan #2":

(1) The tender-based screen of PBM3D type aircraft should be refueled, equipped with fresh crews, and dispatched in time to reach the inner corner of sectors #1, #2 and #3 before dusk. If available picket boats (DDs or DEs) will be stationed at these points for accurate navigation and quick dispatch in event of submarine contact.

(2) Planes will fly as nearly as possible assigned courses #1, #2 and #3 departing therefrom only in event of unidentified contact. The existence of single vessels of our own forces within the patrol area will cause a rapid breakdown in the integrity of the plan.

(3) Friendly vessels should flash the challenge recognition signal as soon as it becomes evident that the PBM3D is on an attack run.

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(4) Friendly submarines must conduct themselves as surface vessels, remaining on surface and flashing recognition signal. It is desirable that friendly submarines be out of the search area by night if possible.
(5) Patrol should be flown in direction of indicated arrows. All contacts should be illuminated with flares and attacked immediately if not recognized, thereafter contacts should be tracked carefully.
(6) Sono Buoys will add tremendously to the effectiveness of the hold down coverage. IFF and radio should be utilized to bring Picket vessels on station. Picket vessels in running expanding search should not assume more than three knots submerged speed. After surface vessel arrives PBM3D should resume assigned search but should sweep once around picket vessel on every circuit in order to verify that the submarine is not escaping on surface. ASG radar should be used continuously. Mark II depth charge Markers should be utilized for marking contacts and sono buoys. A sonic range of 5 miles may be assumed for the sono buoy on a surfaced sub at over 12 knots.

(c) "Plan #3":
(1) The tender-based screen of PBM3D type aircraft constitutes a combined outer offensive screen. The screen depicted is not based on specific assumptions but purely on the basis of probabilities. If known concentrations of Japanese submarines exist to the East or South, the blockade will be swung accordingly.
(2) To improve the accuracy of patrols #7, #8, and #9 picket vessels (DDs or DEs) will be stationed if available at points "A" and "B". In such case planes should start their patrols from the appropriate picket vessel and inform it of the estimated position based on dead reckoning from their island departure.

6. Tactical Load:
(2) TBF (TBM) type aircraft should be dispatched as follows:
(1) Fuel sufficient for 5 hours duration.
(2) Full allowance of fixed 50 Cal. for straffing - turret and tail armed according to expected air opposition. N4 Gun Camera on tail [illegible] for bombing accuracy.

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(3) Two Mk.47 Depth Bombs carried on after racks fitted with Mk.224 or Mk.234 Hydro fuze and selective armed Mk.219 fuze and extender if load is to be dropped over objective after completion of Anti-Submarine Patrol Mission. Bombs to have smoke lights (Mk.5) tied to tail with light twine to indicate position of drop.
(4) One Mk.24 Mine carried in Forward Racks and fitted with smoke light.
(5) Markers:
  (a) At least 4 Mk.1 Depth Charge Markers (Dye).
  (b) At least 8 Mk.5 Smoke lights.
  (c) At least 4 Mk.4 Smoke lights for Navigation.

(b) PBM3D type aircraft should be dispatched as follows:
(1) Fuel sufficient for dusk to dawn plus two hours reserve.
(2) Full allowance of ammunition in forward turret plus sufficient in other guns to satisfy probable air opposition needs.
(3) Bombs: 4 Mk. 47 Depth Bombs fitted with Mk. 5 Smoke lights
(4) Mine: One Mk.24 Mine in opposite bay from bombs.
(5) Markers:
  (a) Six (6) Mk. 2 Depth Charge Markers.
  (b) Ten (10) Mk. 5 Smoke Lights.
  (c) Ten (10) Mk. 4 Smoke Lights.
  (d) Four (4) Mk. 1 Depth Charge Markers.
(6) Flares:
  (a) Ten (10) Mk. 8 Flares.
  (b) Four (4) Mk. 6 Flares on empty racks in bomb bay with mine.

List of diagrams attached hereto:

Plan #1
Plan #2
Plan #3

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Appendix 7 to Annex (F) to
CTF 51 Operation Plan A10-44

FIGHTER DIRECTION INSTRUCTIONS

General Information

(a) Fighter Direction in this type of operation is conducted from Headquarters ships, Carriers, Destroyers and shore-based teams.

(b) There will be a Force, Group or Unit Fighter Director Officer on the Staff of Commander Support Aircraft on all Headquarters ships.

(c) Special Fighter Director teams under the control of the Fighter Director Officer will be placed aboard the designated Fighter Director destroyers under temporary duty orders from Commander Support Aircraft.

(d) Special units of the garrison forces will land with the assault forces to establish early air raid warning and Fighter Direction Units ashore.

(e) The Fighter Director units having a bogy contact shall report it immediately to the Force, Group or Unit Fighter Director, on the InterFighter Director net, who in turn will transmit it on TBS or LAW. Subsequent amplifying reports shall be made in same way. However, if an attack should develop suddenly at close range the ship having contact will immediately take action and make the report directly on the TBS or LAW.

(f) The primary fighter director on detecting an enemy search plane shall inform the Force, Group or Unit Fighter Director and commence interception immediately with the object of placing the CAP in position to complete the interception. The Force Fighter Director will advise the OTC of the situation. But the decision to complete the interception will be made by the OTC as required by the tactical situation.

(g) Raids will be designated by the Force, Group or Unit Fighter Director when the tactical situation so demands.

(h) For Inter Fighter Director Communications relative to the condition of flight deck, number of fighters available use standard Inter Fighter Director code.

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(i) When referring to all Radar Equipment and Fighter Direction and warning circuits use appropriate initials on Inter Fighter Direction Nets.

(j) When referring to a fade use the expressions "I do not see Raid I, Do you see Raid I, etc."

(k) A listening watch shall be maintained at all times on the IFD net by all Fighter Direction Units.

FIGHTER DIRECTION INSTRUCTIONS

(1) All Fighter Direction Units shall maintain a listening watch on all Fighter Direction Circuits whenever a CAP is airborne. However, permission to test with CAP must be obtained from the primary Fighter Director. The Fighter Net shall not be used for inter fighter director traffic except in an emergency.

2. FIGHTER DIRECTION CONTROL

(a) Commander Support Aircraft, as the direct representative of the OTC, shall be responsible for air defense and have control of Fighter Direction during the approach and assault phases, and thereafter until the Air Defense Commander is directed to relieve him of this duty. He shall designate the Fighter Director ship or unit to exercise primary and secondary control for the various phases of the operation, their areas of responsibility, and recommend stations for such ships or units from time to time so as to secure the most effective fighter direction coverage. He shall initiate all requests to Commander Carriers for Combat Air Patrols and for additional fighters in an emergency. Whenever he leaves the area temporarily and before the Air Defense Commander has taken control he shall:

(1) Designate the Primary Fighter Director ship or unit that is to remain and control the Combat Air Patrol.
(2) Arrange for the relief of the Combat Air Patrol then on station, if practicable.
(3) Notify the Air Defense Commander, the Fighter Direction ships or Unit and the OTC regarding 1 and 2.

(b) Air Defense Commander, whenever the Commander Support Aircraft and the Air Defense Commander are in the presence of the OTC, the Combat Air Patrol and control of Fighter Direction will

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be the responsibility of the Commander Support Aircraft, as directed by the OTC, until such time as the Air Defense Commander is organized on shore and reports readiness to take over from the Commander Support Aircraft. When the Air Defense Commander is in all respects ready to take over from the Commander Support Aircraft and when so directed by the OTC he shall assume responsibility for the continuation of the Combat Air Patrol and he shall provide for the control of Fighter Direction. It is imperative that all fighter direction units be notified when Air Defense Commander assumes control.

(c) The Force, Group or Unit Fighter Director shall recommend to Commander Support Aircraft which ships or units shall be primary, secondary or standby Fighter Direction units during each phase of the operation and he shall disseminate to such units information on all phases of air operations affecting Fighter Direction. In general the Force Fighter Director, under Commander Support Aircraft, shall assume the duties and responsibilities of the Force Fighter Director as detailed in Paragraph 6330 of USF 10A as applicable. The Group or Unit Fighter Director Officer on the relief or standby Headquarters Ship shall be prepared at all times to assume any of the above duties and responsibilities and shall further assist as liaison between commands and Fighter Direction Units.

(d) The Primary Fighter Director, designated by Commander Support Aircraft shall:
Exercise tactical control of the CAP assigned to him for the defense of all forces in his area of responsibility; intercept all unidentified air contacts threatening own forces so far as the VF available permit; maintain a careful check of fuel, duration of patrol, effective fighting time, and approximate distance to VF's base so that VF may be returned safely to base: initiate appropriate warnings; maintain a plot of all information affecting the air defense of own forces; determine that his ship has properly installed and arranged all of the necessary equipment; continue to train the FD and CIC organization to the highest degree of efficiency.

(e) The Secondary or Standby Fighter Directors designated by Commander Support Aircraft shall have the same responsibilities and duties as the Primary Fighter Director in that he shall automatically assume control of the CAP in an emergency or when otherwise designated by the Force Group or Unit Fighter Director Officer or Primary Fighter Director Officer.

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3. AIR SEARCH RADAR DOCTRINE RELATIVE TO FIGHTER DIRECTION UNITS

(a) Normally Fighter Direction Units shall not be assigned Radar Guard ship duty.

(b) Fighter Direction Units shall have unrestricted use of air search radar except under conditions of absolute Radar silence.

4. SHORE BOMBARDMENT

(a) The possibility exists that a Fighter Director Destroyer, when assigned a fire support mission, will receive material damage (possibly due to shock of gun fire) that would incapacitate it for further performance of F.D. duty. Therefore whenever such DDs are of necessity, assigned fire support missions, control of CAP shall be shifted to the secondary or other F.D. unit during the continuation of the fire support mission.

5. HUNTER KILLER CONTROL

(a) The additional radio equipment and experienced personnel aboard the destroyer designated FD Ships is such that where there is a choice these ships will be given preference in control of the hunter-killer planes.

6. COMBAT AIR PATROL ORBIT POINTS

(a) Various orbit points and initial points at the several objectives are shown in Appendices 2, 3, and 4. Members of the CAP must be familiar with the location of these points as they will be used by the fighter directors in designating stations for the CAP

7. REPORTING ON STATION

(a) Attention is called to Appendix (1) of this annex relative to required reports by the CAP.

8. AIR DEFENSE CONTROL CENTERS ASHORE

(a) A tentative Doctrine has been prepared for use of Army Air Defense Command Posts, Navy shore-based Combat Information Centers and Marine Filter Centers which states that all such units shall hereafter be called Air Defense Control Centers ADCC. As it is understood that this doctrine will be used during the FORAGER Operation by the land based assault air warning and Fighter Direction Units parts of said doctrine are quoted for information.

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"Reports on the radar telling net from the ADCC to the ADCCs of other bases shall be in the following form:

(a) Appropriate call sign of addressee and originator.
(b) Estimate of numbers in contact.
(c) Identification (normally only bogey contacts shall be reported).
(d) Grid coordinates.
(e) Estimated altitude.
(f) Direction flight is proceeding (using only eight points of the compass).
(g) Time of contact.

One report every four minutes will be made unless addressee indicates further reports are unnecessary.

So much of the code annexed as Appendix B as is applicable shall be used on the radar telling net.

All units will note CinCPac's Conf. Ser0659 of 24 Feb. 1944 prescribing the Jan grid for the Pacific Ocean Areas."

"The permanent ADCC will normally become operative in the third of three stages of development of the fighter direction and air warning system of an advanced base. The stages are summarized in terms of the equipment to be landed as follows:

(1) If the base or beachhead to be occupied is enemy held, the first radar equipment to be taken ashore will be the SC-2(3) mobile fighter direction unit including communications trailer and power unit. Improved assault stage radar equipment may become available at a later date. The SC-2(3) will serve as the temporary ADCC until the SCR-527 or equivalent radar is taken ashore and placed in efficient operation. The minimum radio communication requirements for the temporary ADCC during the first stage are as follows:

(a) Inter FDO circuit with fighter direction ships. (FM or HF) (2 channels)*.
(b) Air-ground fighter circuit. (VHF) (4 channels)*.
(c) Air-ground fighter circuit (HF) (1 channel).
(d) Local air warning circuit (FM or HF) (1 channel).
(e) AAA liaison circuit. (FM or HF) (1 channel).
(f) Island and Air Commander Circuit. (FM or HF) (1 channel)**

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(g) Radar telling circuit. (HF) (1 channel).
(h) Local radar reporting circuit. (FM or HF) (1 or more channels as required).
*This does not require simultaneous monitoring of all channels.
**When the air field becomes operative, the pilot alert station should be set up on this circuit.

(2) If the base or beachhead to be captured is not enemy held and the tactical situation warrants it, the first stage may be eliminated. In such event, the first radar equipment to be taken ashore shall be the SCR-527 or its equivalent. The SCR-527 will become the temporary ADCC when it has been placed in efficient operation.

(3) The permanent ADCC should become operative at about the time all radars have been installed at the base and set in operation. The SC-2(3) will have been removed or ceased operation. The SCR-527 will have become the alternate ADCC and primary intercept station."

Parts of the following code may be used on the various nets by the ADCC's, so Appendix B of the ADCC Doctrine is printed for information. Applicable parts of this code may be used between Fighter Director Units afloat and ashore for ship to shore communications only.

CODE FOR COMMUNICATIONS BETWEEN RADAR STATIONS AND ADCC

CODE	
Condition One	Radar Shutdown for one hour routine service check.
Condition Two	Radar Shutdown for estimated 15 minutes to change spare part.
Condition Three	Radar Shutdown for indefinite period due to breakdown.
Condition Four	Radar Shutdown for ____ hours as previously requested for maintenance, major changes or calibration.
Condition Five	Radar shutdown to check interfering signal.
Condition Six	Radar in normal operation.
Condition Seven	Emergency - Put Radar back in operation immediately.
Condition Eight	Change Grid Coordinate Code at (Time).
Condition Nine	Antenna able to move in only one direction.

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APPENDIX "1" TO ANNEX "F" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

CODE

Condition Two One	Radio Station shutdown for reasons in Condition one.
Condition Two Two	Radio Station Shutdown for reasons in Condition Two.
Condition Two Three	Radio station shutdown for reasons in Condition three.
Condition Two Four	Radio station shutdown for reasons in Condition four.
Condition Two Five	Radio station shutdown until ordered back in operation.
Condition Two Six	Radio station in normal operation.
Condition Two Seven	Emergency - Put radio station back into operation immediately.
Condition Two Eight	Radio Station change to other frequency.
Condition Three Two	Interrogator not operating for reasons in Condition two. Radar is operating.
Condition Three Three	Interrogator not operating for reasons in Condition three. Radar is operating.
Condition Three Four	Interrogator not operating for reasons in Condition four. Radar is operating.
Condition Three Six	Interrogator in normal working order.
Condition Four One	Believe Radar is being jammed.
Condition Four Two	Jamming has now ceased.
Condition Four Three	Window being dropped at _____.
Condition Four Four	Contacts can now be read through window.
Condition Four Five	Window has disappeared.

EXAMPLE 1: When Radar Station desires to go into Condition One it will transmit: "CONDITION ONE?" The word request will not be transmitted. If permission is granted the Radar Operations Officer will answer "AFFIRMATIVE" If permission is not granted the Radar Operations Officer will answer "NEGATIVE".

EXAMPLE 2: When a station resumes normal operation it will report, "CONDITION SIX". The Radar Operations Officer acknowledges by saying "ROGER".

CODE	DEFINITION
SA	Scan normal area.
SB	Scan Sector B.
SC	Scan Sector C.
SD	Scan maximum effective area.
SE	What sector are you scanning?
SF	Scan for contact at _____ but continue normal sweep of your area.

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APPENDIX "1" TO ANNEX "F" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

CODE	DEFINITION
SG	Contact last reported at _____ but cannot be picked up.
SH	Give more readings on Contact at _____.
SI	Verify identification of Contact at _____.
SJ	Track Contact at _____. Your area will be covered by other stations.
SK	Contact at _____ entering (or has entered) fixed echoes.
SM	How many contacts in immediate area of _____.
SN	Verify number of air or surface ships in contact _____.
SO	Continue sending reports on contact at _____.
SP	Contact at _____ splitting up.
SQ	Recheck last report.
SS	Flight at _____ orbiting (circling).
UA	Flight is going out of our area.
UB	Shows IFF signal, but no aircraft echo.
UC	Flights in area _____ have combined.
UF	Flight has faded out in null area.
UI	Find nothing at approximate position we were instructed to scan.
VG	Seen (or heard) gunfire.
VL	Illumination observed.
VP	Seen (or heard) plane.
VS	Seen (or heard) ship.
VV	Make visual report.
WC	Weather is clear.
WF	Weather is foggy.
WR	Weather is rainy.
WW	What is weather?

IDENTIFICATION OF AIRCRAFT

CODE	DEFINITION
Able	Experimental or calibration.
Charlie	Army
Dog	Navy
Green Star	Area activity, friendly planes.
How	Transport
Item	Anti-Submarine Patrol.
King	Combat Air Patrol.
Red Star	Area raid, hostile.
X-Ray Indian	Gunnery or local maneuvering mission.
Bandit	Identified enemy aircraft.
Bogey	Unidentified aircraft.
Bombers	Enemy high level bombers.

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APPENDIX "1" TO ANNEX "F" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

CODE	DEFINITION
Chickens	Own fighters
Fishes	Enemy Torpedo aircraft.
Friendly	Friendly aircraft.
Hawks	Enemy Dive Bombers.
Rats	Enemy Fighters.
Shad	Enemy shadower.
Snooper	Enemy low shadower (below 2000 feet).

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Angels	Altitude in thousands of feet.
Bluebird	Crash boat.
Check Oil	Check Radar Station for azimuth accuracy.
Check Water	Check Radar Station for range accuracy.
Fortune	Attempt local identification.
Fortune Negat	Cannot identify locally.
Major Oscar	Radar Operations Officer.
Oscar	Radar plotter-teller at the Radar Station.
Paint Wet	Calibration going on.
Paint Dry	Not on calibration.
Rascal	ADCC plotter.
Rainbow	IFF Mark III response from more than one transponder in such a manner that the code cannot be distinguished.
Rusty	IFF Mark II.
Snow	Window.
Stretcher	IFF Mark III abnormal response from single transponder (not according to any given code).
Wet Cat	Pilot (or crew member) bailed out in vicinity of _____.

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APPENDIX "2" TO ANNEX "P" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

PART "A"

AIR ANTI-SUBMARINE PATROL PLAN - CRUISING

I. This plan is developed to give two task groups separated by twenty miles adquate coverage with 4 VTB and 4 VF aircraft. Each track will be flown by one VTB and one VF. Pilots must be carefully briefed on the track to be covered by each. They must plan their navigation carefully, guaranteeing track coverage, so that no sub can sight the formation or get within torpedo range. This plan is based on plan shown on Plate No. 1-34, USF-74-B (Tentative).

II. The length of each leg of the track to be flown depends on the speed of both aircraft and convoy (r) and the visual detection range of surfaced subs (d). (See diagram)

A. Planes A and B and planes C and D will commence their patrol at a point opposite the last ship of the leading formation and at not more than (d)(visual detection range of a surfaced sub) from the center of the formation. They will then follow the track indicated in the diagram.

B. Planes E and F and G and H will commence their patrol at a point opposite the last ship of the rear formation and at not more than (d) from the center of the formation. They will then follow the track indicated in the diagram.

C. Relieving planes need not relieve visually but will go to the starting point of the assigned track and commence their patrol. Relieved planes will complete their track, returning to the starting point, check out with Commander Task Group before returning to base.

III. Other standard anti-submarine patrol plans will be ordered as necessary by the Task Force Commander.

IV. GENERAL INSTRUCTIONS

A. Reporting on Station - Flight leaders will report to the Commander of the Task Group which they are screening when planes of flight are on station. (VHF Channel #1 will be used for this purpose when radio silence is in effect, otherwise the LAW circuit will be employed.)

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B. Altitude - Planes will patrol at from 5000 to 8000 feet unless cloud cover is in excess of three-tenths. In this event, they will fly at the base of cloud cover.

C. Contact Procedure -

1. Mark submarine's track by float light.
2. Report the submarine's location over VHF Channel #1.
3. Receive acknowledgement from Task Group Commander.
4. Submarines sighted will be attacked unless friendly destroyer is closer than four miles. If friendly destroyer is closer than four miles do not attack with bombs unless a Class "A" attack can be made (submarine surfaced or periscope feathering, or not submerged over 15 seconds.) Machine gun fire should be liberally employed in all cases where the submarine is on the surface.
5. In event of contact, the VTB plane will attack as outlined above (4) and then continue the patrol. The VF will remain over the place of the contact until relieved by a Hunter-Killer plane or destroyer.
6. In event of contact by a plane screening the rear formation the plane will attack as outlined above (4) and will remain on the contact until relieved, or until contact draws abaft the convoy's quarter 25 miles. The Task Force Commander will direct a Hunter-Killer plane and a destroyer to take over the development of the contact.
7. In the event night coverage is not furnished by PBM planes, a sweep of the Task Force's night track will be made by two VTB with two VF escort. The sweep will be made in accordance with the attached diagram. These planes should return to the carriers to be recovered at the same time as the last anti-sub patrol is recovered.
8. Hunter-killer - One hunter-killer plane will be maintained in Condition 12 at all times (Objective and Cruising).

PART "B"

AIR ANTI-SUBMARINE PATROL PLAN - AT OBJECTIVE

See Appendix (6) to Annex (F) to Commander Task Force 51 Operation Plan No. A10-44 - (Included in Appendix "1" to this Annex).

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APPENDIX "2" TO ANNEX "F" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

PART "C"

ALTERNATE AIR ANTI-SUBMARINE PATROL - - AT OBJECTIVE

In the event of reduced visibility Alternate Anti-Submarine Patrol Plan may be ordered by Commander Task Force Fifty-three. (See diagram appended.) Procedure in event of contact will be same as in Air Anti-Submarine Patrol Plan - At Objective (see Appendix 6 to Annex (F) To Commander Task Force Fifty-one, Operation Plan No. A10-44, included in Appendix "1" to this Annex.)

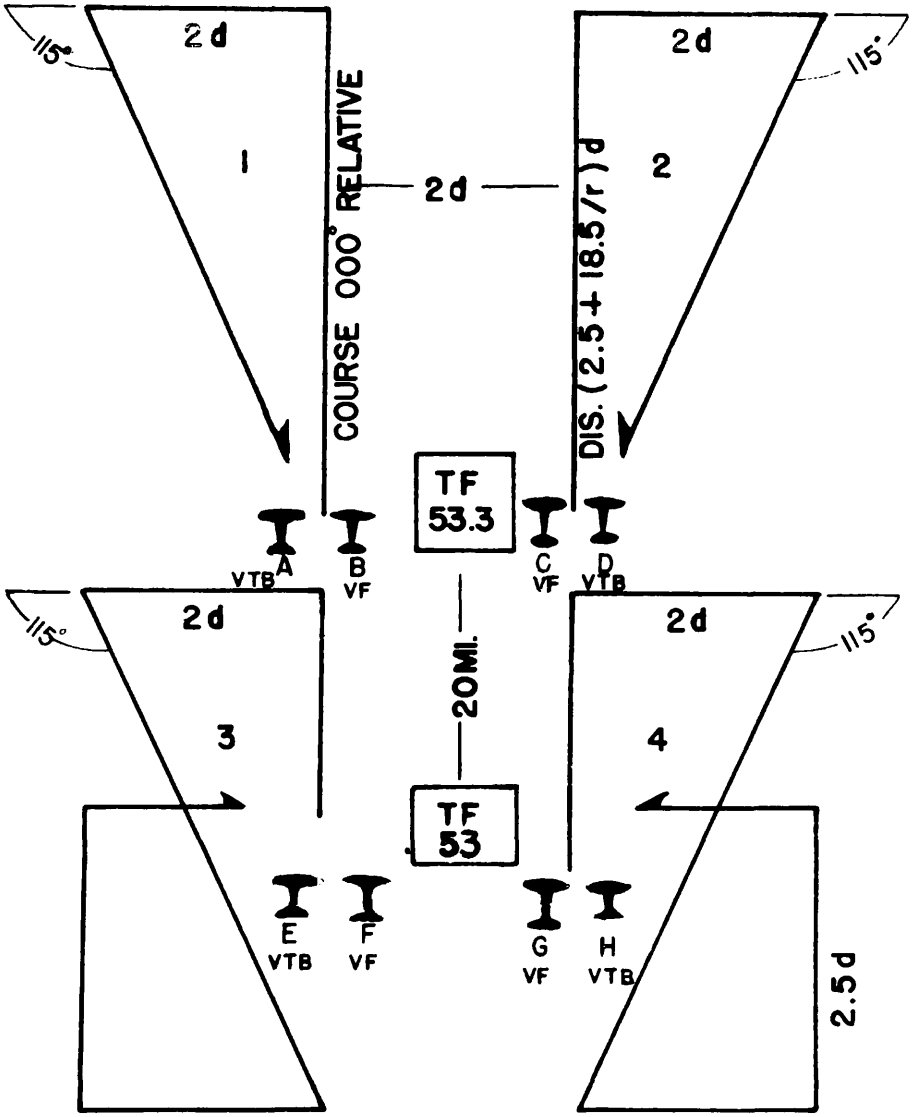
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A/S PATROL (CRUISING)

MODIFICATION OF PLATE 1-34 - USF 74B



d= VISUAL DETECTION RANGE AGAINST SURFACED SUB S

$$r = \frac{\text{SPEED PLANE}}{\text{SPEED CONVOY}}$$

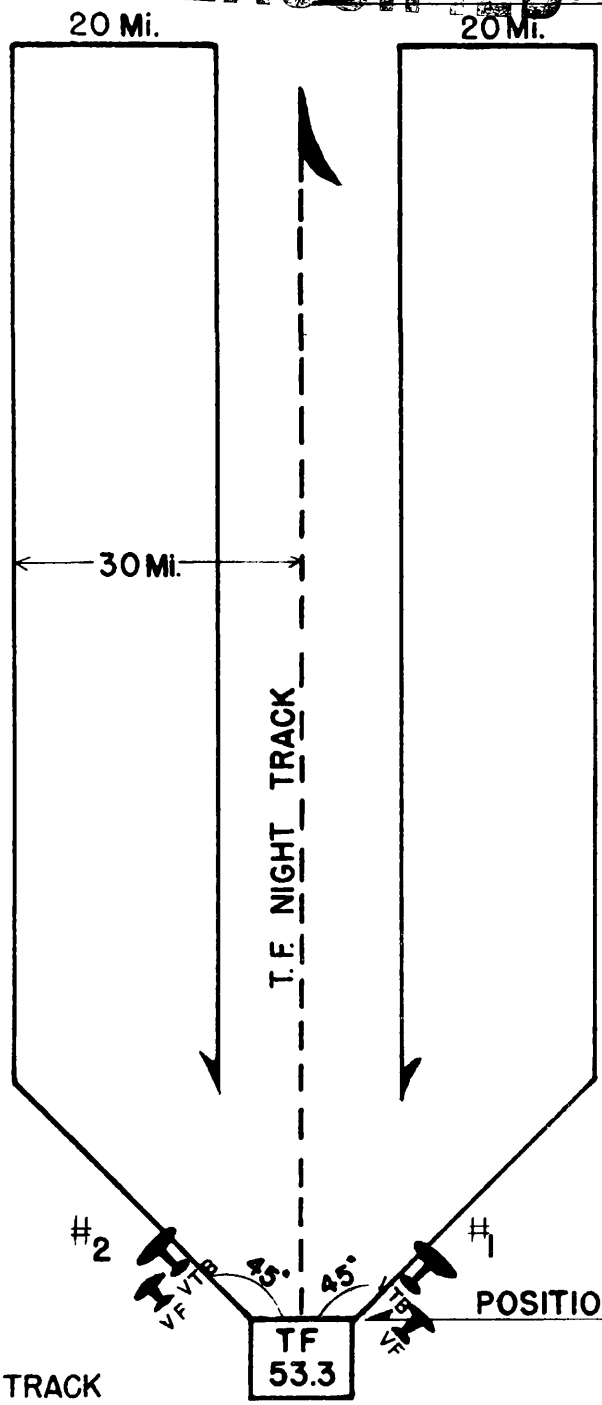
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ANTI-SUBMARINE PATROL (CRUISING)

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EVENING SWEEP

POSITION T.F. AT DAWN



POSITION AT DARK

1 VTB, 1 VF ESCORT ON EACH TRACK

VISIBILITY TAKEN AS 10 MILES

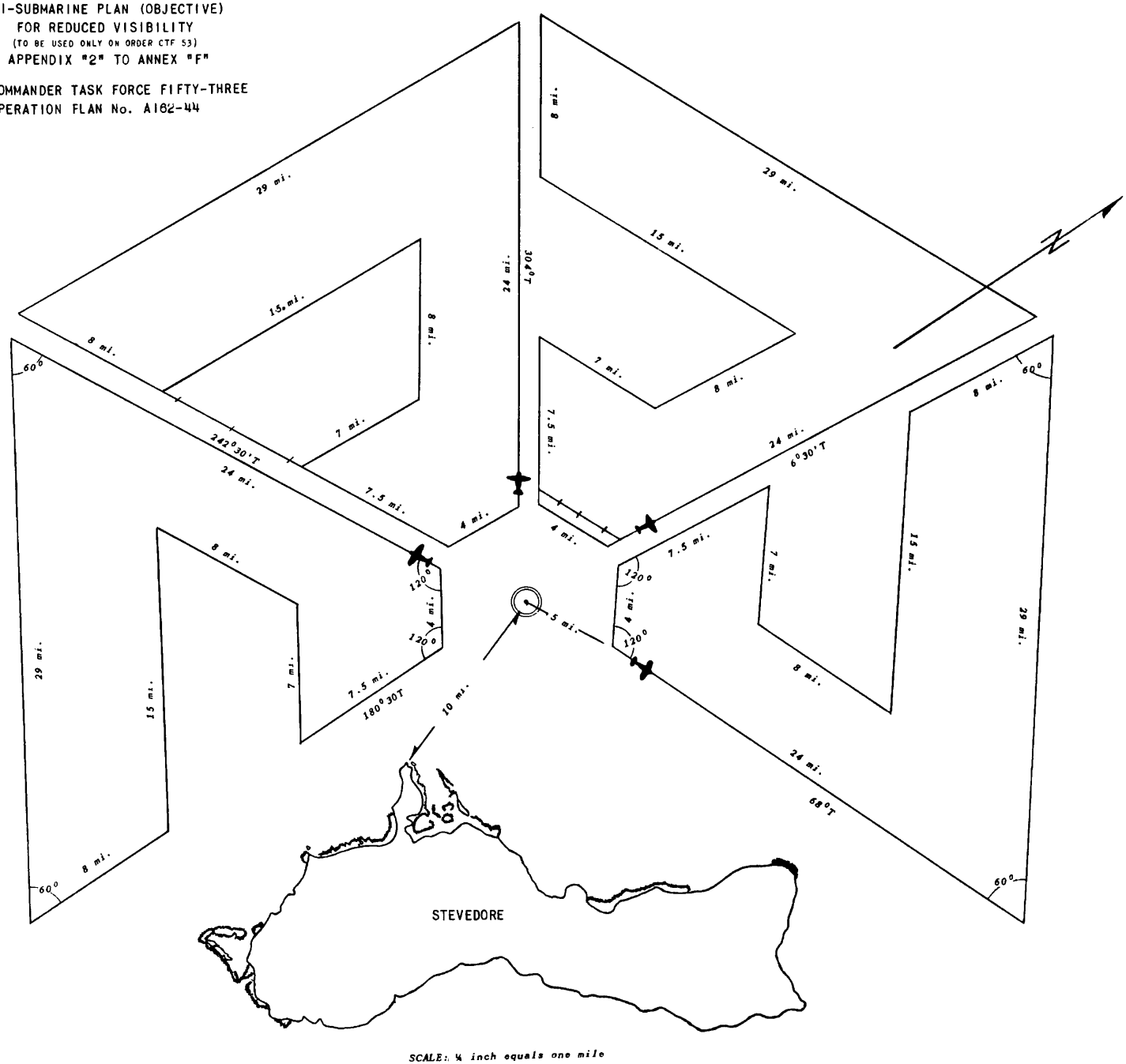
IF LESS, ADJUST BY NARROWING SWEEP

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TF 53

ALTERNATE
ANTI-SUBMARINE PLAN (OBJECTIVE)
FOR REDUCED VISIBILITY
(TO BE USED ONLY ON ORDER CTF 53)
APPENDIX "2" TO ANNEX "F"

TO COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN No. A162-44



SCALE: ¼ inch equals one mile

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APPENDIX "3" TO
ANNEX "F" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

AIR SUPPORT COMMUNICATIONS PLAN

I. GENERAL

A. UNNECESSARY TRANSMISSIONS

1. Transmissions on air support circuits must be held to an absolute minimum and only messages of tactical importance may be sent. Flights should make minor intra-flight arrangements prior to takeoff.

2. Many unnecessary transmissions are caused by failure of flights to report properly to Commander Support Aircraft upon arrival at Initial Point. Flights reporting on station should call Commander Support Aircraft and state:

   a. Flight Leader's voice call.
   b. Number and type planes in flight:
   c. Their mission, (scheduled strike, direct support, or special mission. Also if relieved from Combat Air Patrol, Anti-Submarine Patrol, or Hunter-Killer, so state).
   d. Ammunition loadings which vary from planned loadings.

3. Unnecessary transmissions are also caused by failure of flights to report promptly the completion and results of each assigned mission to Commander Support Aircraft.

B. Effective IFF Codes

(See CentComTWO, Article 5420(d)) - Note: Artillery Spotting planes and VO-VCS aircraft use IFF Code #3.

C. Plane Call Derivations

(See CentComTWO, Annex C, Part V)

D. WILLIAM MINUS ONE DAY

Support Aircraft frequencies and calls assigned to Task Force 53 will also be used on WILLIAM minus ONE Day.

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APPENDIX "3" TO ANNEX "F" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

II. Calls and Frequencies

A. COMMAND CALLS

Unit of Person	Voice Call	CW Call
Commander Task Force 53	WARHORSE	9HE
Commanding General, Southern Landing Force	BOOKWORM	3AF
Commander Northern Attack Group	KODAK	5UE
Commander Southern Attack Group	NOMAD	6RP
Commanding General, THIRD Marine Division	DALTON	3ZD
Commanding General, FIRST Provisional Brigade	HACKENSACK	5BY

B. COMMANDER SUPPORT AIRCRAFT

Unit or Person	Voice Call	CW Call	Frequency
Commander Advance Support Aircraft	CONGO	3TL	All CSA
Commander Support Aircraft	CONGO	3TL	All CSA
Commander Support Aircraft (Standby)	FLANAGAN	4RQ	All CSA
Landing Force Support Aircraft Commander	BAREBACK	2QY	All CSA
Photographic Plane	CALICO 1(or2)		5135*
Air Coordinator	DUSTY 1(or2)		5135*
Smoke Planes, Flight Leader	SMOKY JOE 3		3115(P) 3355(S)
Air Liaison Observer (Airborne)			
THIRD Marine Division	LONESTAR 1 (or 2)		3280
FIRST Provisional Brigade	MONTANA 1 (or 2)		3175
Artillery Spotting Plane (Southern Troops and Landing Force)	GORDON		3540
Artillery Spotting Plane (THIRD Marine Division	LONG-GLASS		3865
Artillery Spotting Plane (FIRST Provisional Brigade	MICROSCOPE		4510

*140.58 mcs. for planes equipped with VHF only, or when directed by Commander Support Aircraft, or when unable to contact Commander Support Aircraft on Support Air Direction primary.

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C. VO-VCS Planes

1. Aircraft - Battleships and Cruisers - Anti-Submarine Patrol

a. VO-VCS planes on anti-submarine patrol use Local Air Warning frequency 3115(P), 3355(S).

b. VO-VCS aircraft engaged in anti-submarine patrol operations may be required for spotting for other than their own parent ship. In that event they will shift frequencies in accordance with instructions to parent ship from Attack Group Commander.

2. Aircraft - Battleships - Spotting

Unit	Voice Call	CW Call	Frequency
PENNSYLVANIA	MAESTRO	6DP	6270
NEW MEXICO	LAWMAKER	5XR	6925
IDAHO	ELECTION	4IU	6750

3. Aircraft - Cruisers - Spotting

Cruiser planes will listen on originally assigned ship's shore fire control party frequency and transmit on assigned plane frequency as shown below. Cruisers will guard their respective plane frequencies with a listening watch and will transmit to planes on the originally assigned shore fire control party frequency.

Ship	Ship Call	CW Call	Frequency: Plane transmit Ship receive	Frequency: Ship transmit* Plane receive
WICHITA	BLABBERMOUTH	2XC	3265	5240
MINNEAPOLIS	MAGNOLIA	6EC	3375	4545
SAN FRANCISCO	STEADFAST	8JV	3565	4280
NEW ORLEANS	JERICHO	50M	3440	4865
HONOLULU	CATGUT	3LH	7165	4950
ST. LOUIS	WEBSTER	9IO	3255	5755

* The use of these frequencies with planes after shore fire control parties have landed will be restricted to the absolute minimum consistent with necessary operations.

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4. Notes

a. VO-VCS aircraft on spotting missions for parent ship may be used when directed by Attack Group Commander for spotting gunfire of any other designated ship. In that event they may be required to shift frequencies in accordance with instructions to parent ship from Attack Force Commander (see also paragraph C.1.b. and C.3. above).

b. Voice spotting will be in hundreds of yards both in range and deflection. Example: Up 600 yards, left 50 yards will be given over voice as - "UP SIX HUNDRED, LEFT FIFTY".

c. Carrier-based spotter planes report to, and receive instructions from Commander Support Aircraft on 140.58 mcs. (Support Air Direction Emergency).

D. AIRCRAFT-CARRIERS

1. Unit	Voice Call	CW Call
CTG 53.7 (Commander Carrier Support Group)	SAMSON	7WR*
CTF 58	BALDEAGLE	2PB
CTG 58.1	ROCKET	7SF
CTG 58.2	KAISER	5QL
CTG 58.3	DODGER	4FA
CTG 58.4	GRIZZLY	5AT

Unit	Ship Voice Call	CW Call	F/D Call
SANGAMON	QUANTICO	7KJ	SALT*
SUWANEE	GISMO	4XR	SODA*
CHENANGO	AMBUSH	2FG	BORAX*
CORREGIDOR	NIGHTHAWK	6RF	MONEL*
CORAL SEA	DEADLOCK	4AS	NICKEL*
APPALACHIAN	ALERT	2DJ	MOSCOW*
GEORGE CLYMER	SANDWICH	7WY	COMEDY*
MURRAY	KEEPSAKE	5RD	SATIN*
SCHROEDER	CHECKMATE	3MZ	HALYARD*
SIGSBEE	CHIGGER	3OM	CABLE*
WADSWORTH	TITWILLOW	8TC	SPIDER*
COLAHAN	DWARF	4HS	BOLERO*
ARGUS 17			ALADDIN*

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Unit	Ship Voice Call	CW Call	F/D Call
ROCKY MOUNT	PATRICK	7AW	URAL
CAMBRIA	LAKE DWELLER	5VY	OXYGEN
TWINING	ICHABOD	5KV	NYLON
PRITCHETT	YARDAGE	90S	ANCHOR
BENNION	FLAPJACK	4RV	CAPSTAN
BRYANT	CLAWHAMMER	3PX	HAWSER
FREMONT	BOOMERANG	3AH	SEXTANT

* TASK FORCE 53

2. Note: Shore base fighter director calls of the objective will be promulgated by CinCPac, by Dispatch.

3. NETS - When to be Guarded.

Net	Frequency	By Whom and When Guarded
Support Air Request (SAR)	3820	(a) Air Liaison Parties - Immediately on setting up equipment on beach. (b) CVEs and Commander Carrier Support Group - On breaking radio silence. (c) Commanders CV and CVL Task Groups furnishing planes for direct support On breaking radio silence (d) Commander Land-based Aircraft (if feasible) - On breaking radio silence
Support Air Request - Land-based (SAR-LB)	a.3710 b.7135 c.11130 d.13170	(a) Commander Land-based Aircraft - On breaking radio silence.
Support Air Direction (SAD)	5135	(a) Planes - when on station for direct support. (b) Air Liaison Parties - When additional radio sets are set up on beach.

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APPENDIX "3" TO ANNEX "F" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

Net	Frequency	By Whom and When Guarded
Support Air Direction - Emergency (SAD-E)	140.58	(a) Planes - When on station for direct support. (b) Carrier-based spotter Planes - On reporting to Commander Support Aircraft
Local Air Warning (LAW)	3115(P) 3355(S)	(a) Commander Carrier Support Group, all Fighter Director Bases, all ships. On sortie. (Ships guard one hour prior to sortie) (b) ASP planes, hunter-killer planes, smoke planes - When on station.
Support Air Observer (SAO) 3rd MarDiv 1st Prov. Brigade	 3280 3175	(a) Air Liaison Observer (Airborne) - When on station.
Fighter Director (Island Objective) (FD)	6335 (P) * 142.74 mcs.(S)	(a) Fighter Director Units - When required. (b) CAP planes - When on station.

*F6F3s equipped with AN/ARC5 use 142.74 mcs. if on Combat Air Patrol.

Inter-Fighter Director Warning (IFD)	37.6 mcs.	(a) All Fighter Director Units - On sortie.
Artillery Air Spotting (Southern Troops and Landing Force) (THIRD Marine Division) (FIRST Prov. Brigade)	.3540 3865 4510	(a) Artillery Spotting Planes When on station.

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APPENDIX "3" TO ANNEX "F" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

4. NOTES:

a. Commander Support Aircraft may order planes and anti-submarine vessels conducting Hunter-Killer operations to shift to the secondary frequency.

b. Anti-submarine patrol, hunter-killer, and smoke planes when relieved from initial duties will report to Commander Support Aircraft on Support Air Direction net, 5135 (140.58 mcs. for planes equipped with VHF only, or when directed by Commander Support Aircraft, or when unable to contact Commander Support Aircraft on Support Air Direction Primary).

E. Air Liaison Party Calls - Frequency 3820

UNIT	CALL
3rd Marine Division	Uncle 003
3rd Reg. ALP	Uncle 30
1st Btn. 3rd Reg. ALP	Uncle 31
2nd Btn. 3rd Reg. ALP	Uncle 32
3rd Btn. 3rd Reg. ALP	Uncle 33
9th Reg. ALP	Uncle 90
1st Btn. 9th Reg. ALP	Uncle 91
2nd Btn. 9th Reg. ALP	Uncle 92
3rd Btn. 9th Reg. ALP	Uncle 93
21st Reg. ALP	Uncle 210
1st Btn. 21st Reg. ALP	Uncle 211
2nd Btn. 21st Reg. ALP	Uncle 212
3rd Btn. 21st Reg. ALP	Uncle 213
1st Provisional Brigade ALP	Uncle 004
4th Reg. ALP	Uncle 40
1st Btn. 4th Reg. ALP	Uncle 41
2nd Btn. 4th Reg. ALP	Uncle 42
3rd Btn. 4th Reg. ALP	Uncle 43
22nd Reg. ALP	Uncle 220
1st Btn. 22nd Reg. ALP	Uncle 221
2nd Btn. 22nd Reg. ALP	Uncle 222
3rd Btn. 22nd Reg. ALP	Uncle 223

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Note: After Air Liaison Parties set up additional radio sets on beach, monitor Support Air Direction primary frequency (5135) and be prepared to come up on latter if directed by Commander Support Aircraft.

F. Rescue Craft

(See CentComTWO, Article 2218b, c and d)

III. Miscellaneous

A. Shackle Code and Authentication
(See CentComTWO, Annex "F", Part II, and CentComTWO Article 2400 (d)).

B. Pyrotechnic Code
(1)(See CentComTWO, Annex "F", Part III)
(2) Mark 6 parachute flares (white) will be used to signify leading wave of landing craft are 1200 yards from their respective beaches. See Appendix "8" to Annex "F" to this Operation Plan.

C. Colored Smoke Grenades

(See CentComTWO, Annex "F", Part III, Article 1(b)).

D. Front Line Marking System

(See CentComTWO, Annex "C", Part III, Article 6321)

E. Panel Code

(See CentComTWO, Annex "F", Part I, Article 4 and CentComTWO, Annex "F", Part IV, Article 3).

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APPENDIX "3" TO ANNEX "F" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

SUPPORT AIRCRAFT RADIO FREQUENCY PLAN TABLE

TASK FORCE 53

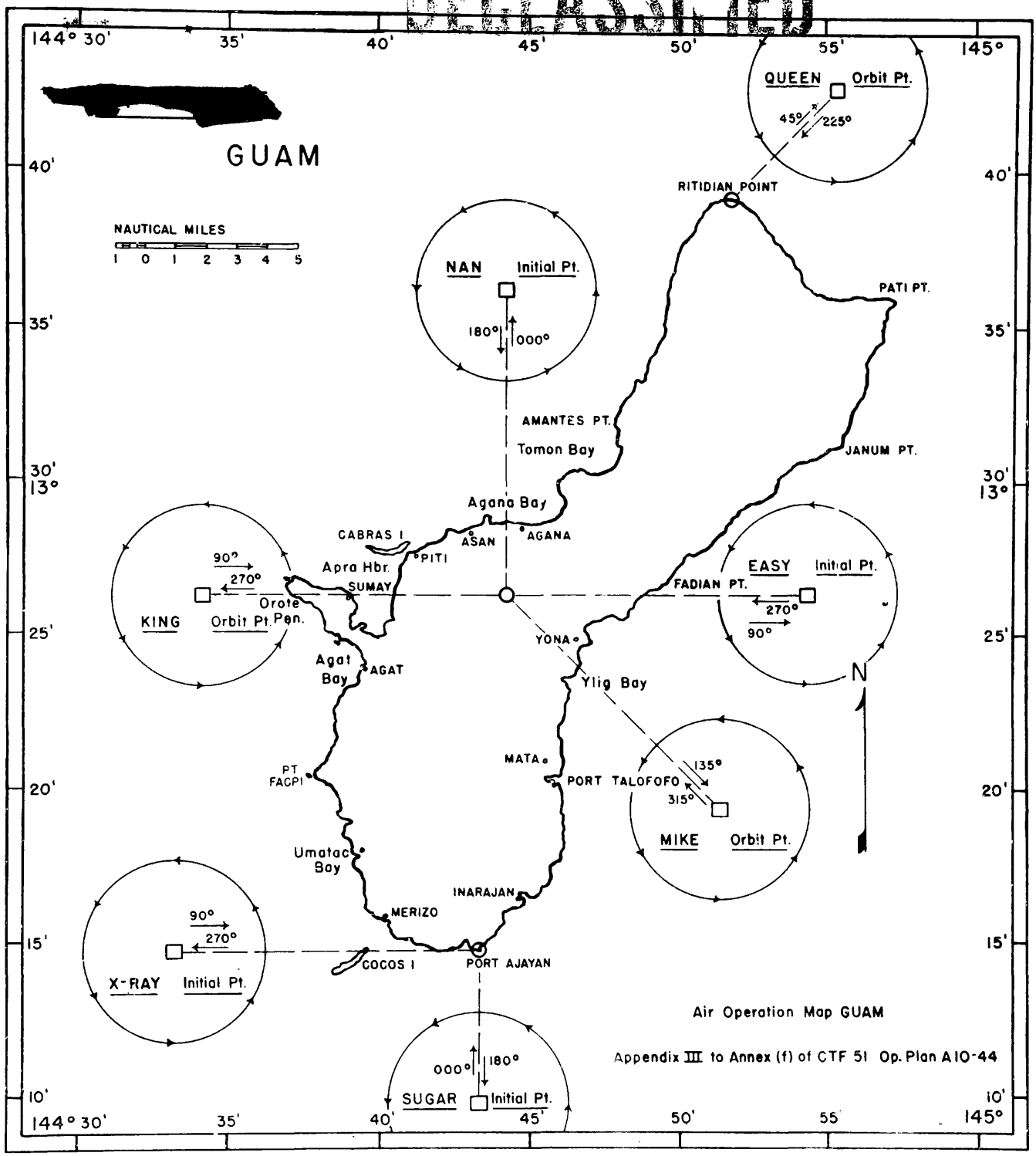
Key:
C-Control Station
X-Transmit & Receive
S-Shift to, if ordered
L-Listen
M-Listen if practicable

STATIONS:	1 Support Air Request P 3820	2 Support Air Direction P 2132	3 Support Air Direction Emergency P 14058	4 Fighter Direction (Island objective) P 6335 S 14277	5 Fighter Direction (Carriers) P 142.02	6 Fighter Direction (carrier) P 142.36	7 Inter Force Air Warning P 3000 S 3355	8 Local Air Warning P 3112 S 3355	9 Inter Fighter Director Warning 37.6	10 Inter Air Liaison Party	11 Artillery Air Spot 3rd PhibCorps P 3540 3rd Division P 3865 1st Prov. Brigade P 4510	12 NGF Air Spot	13 Support Air Observer 3rd MarDiv P 3260 1st Prov. Brigade P 3175
AIRCRAFT:	1	2	3	4	5	6	7	8	9	10	11	12	13
Air Coordinator		X	S										S
Air Liaison Observer		S	S										X
Anti-Sub Patrol		S	S					X					
CAP (CARRIERS)			S	S	X	X							
CAP (Island Objective)		S	S	X	S	S							
Photo Planes		X	S										
Smoke Planes		S	S					X					
Spotting-Artillery			S								X	S	
Spotting-NGF											S	X	
*Support Air Missions, VB-VT		X	S										
VF		X	S	S	S	S							
Air Liaison Parties-BLT	X	S								X			L
Air Liaison Parties-Div. **	X	S								C			L
Air Liaison Parties-RCT	X	S								X			L
All Ships								X					
Battleships & Cruisers								X			X	C	
Com CV & CVL Task Group	X	M	S		C	C	X						
Com CVE Task Group	X	M	S		X	X	M	X	S				
Com Land Based Aircraft	S						M						
Com Sup Air (Afloat)	C	C	C	X	M	M	C	C	C				C
Com Sup Air (afloat standby)	X	X	X	M			X	X	X				X
Landing Force Support A/C Com**	X	X	X	M			X	X	X				X
Fighter Director (afloat)		M	S	C	L	L		X	X				
Fighter Director (ashore) **			S	X	M	M		X	X				
Screening vessels			S					X					

*Army, Navy, and Marine aircraft. Both carrier and land-based.
**Division equipment to be used.

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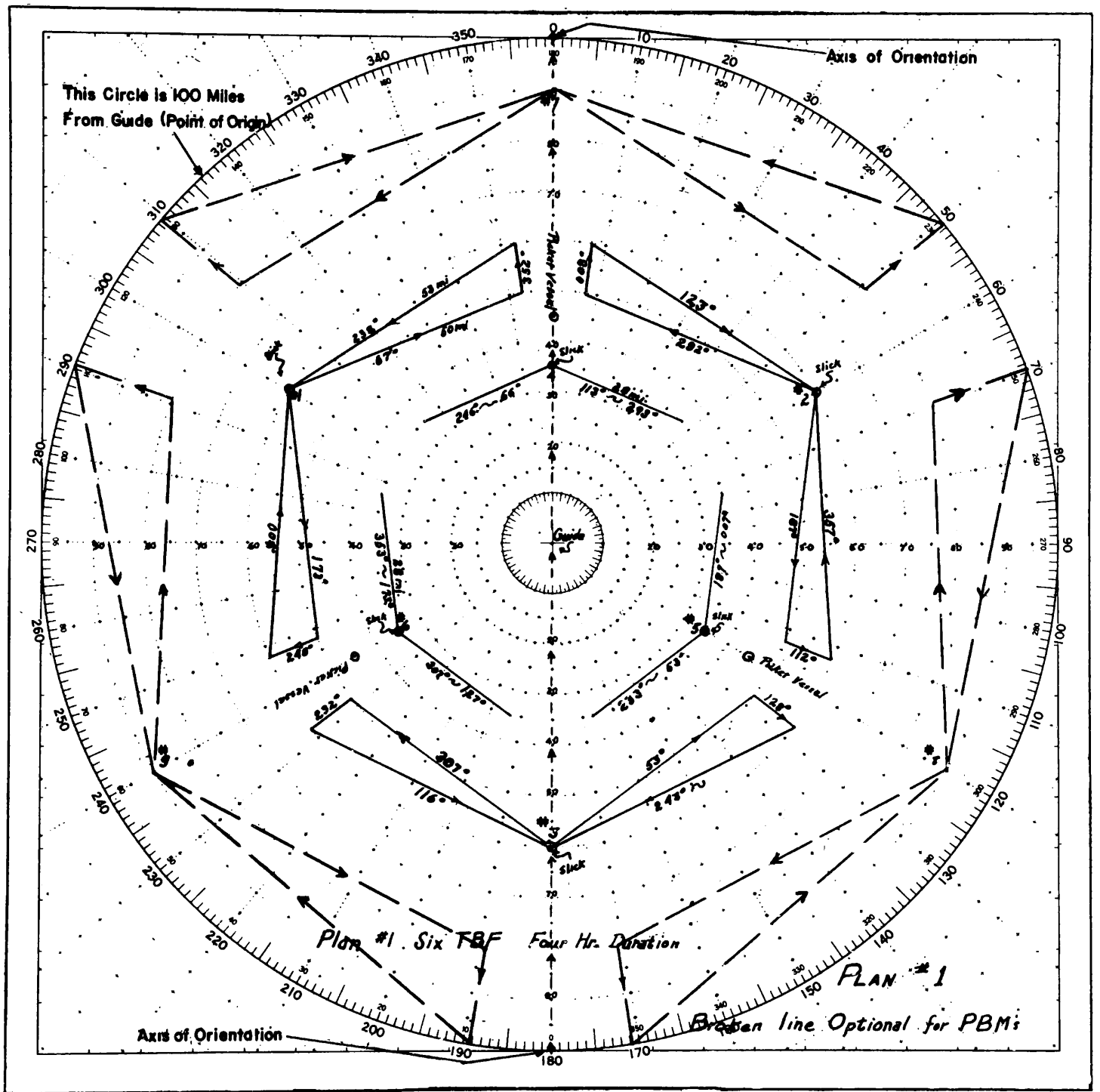


Air Operation Map GUAM

Appendix III to Annex (f) of CTF 51 Op. Plan A10-44

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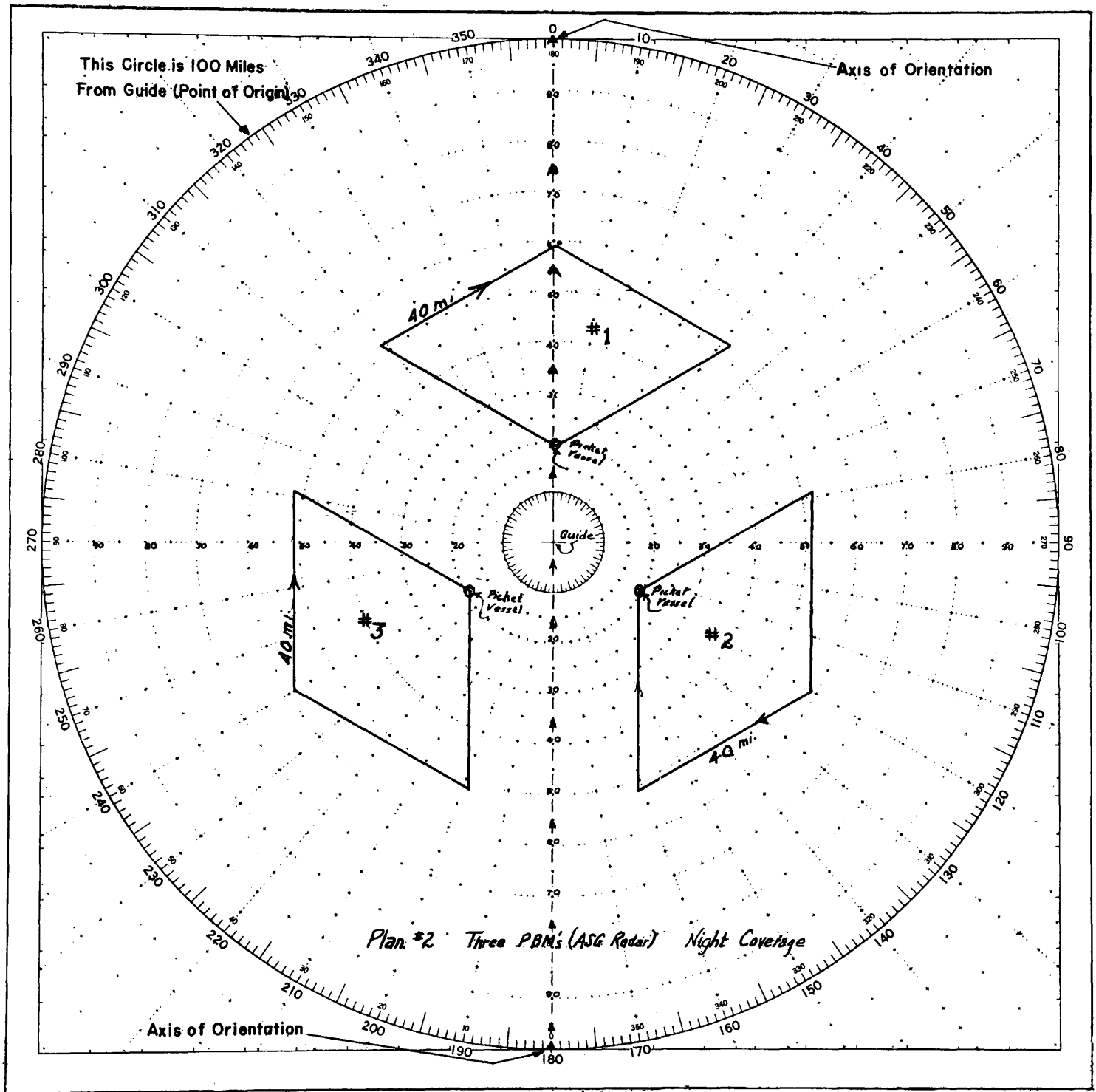
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Appendix VI to Annex (F)

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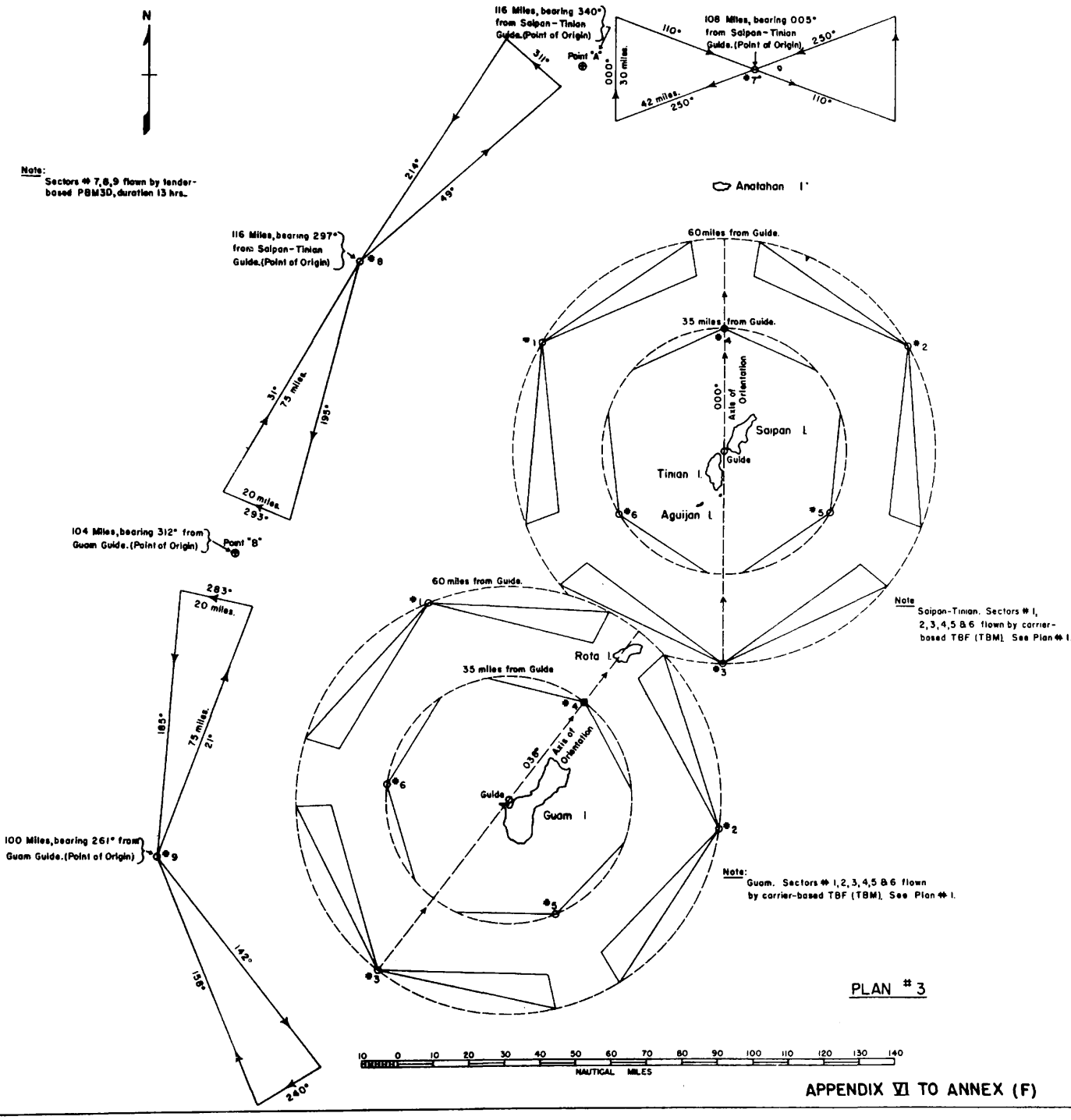


Appendix VI to Annex (F)

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APPENDIX VI TO ANNEX (F)

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APPENDIX "4" TO ANNEX "F" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

SPECIAL MISSION FOR VF AIRCRAFT OF CARDIV 22

I. Special pre-HOW Hour Strike with 32 F6F Airplanes Attached to CarDiv 22.

1. 32 F6F airplanes armed with 1-350# depth charge and full 50 caliber ammunition, be on station at Initial Point EASY at H - 30, and report to Commander Support Aircraft.

2. During the period the leading wave of landing craft is between 1200 and 350 yards from ASAN Beach, 16 of these aircraft will strike ASAN Beach. During the period the leading wave of landing craft is between 1200 and 350 yards from AGAT Beach, 16 of these aircraft will strike AGAT Beach.

3. Planes will attack in four-plane divisions, echeloned to landward of their respective beach. They will strafe and bomb on one single run. Minimum altitude of pullout is 1500 feet. PLAN VICTOR will be in effect (see Appendix "8"). Observe gunfire trajectory danger zones and prescribed traffic flow patterns. (See charts, Appendix "6") Attacks should be made not only in areas containing visible and previously known strong points on the landing beaches but also in areas flanking these beaches. Division leader strafes and bombs parallel to and slightly inland from the landing beaches where enemy troops, machine gun nests, pill boxes, and mortars are most likely located or concealed in the undergrowth. The remaining three planes of the division will automatically cover a swath to landward. These attacks should be completed when the leading waves of LVTs are about 350 yards from their respective beaches. (Available VF from Fast Carrier Air Support Groups will immediately follow this CVE carrier VF bombing and strafing strike, strafing parallel to the landing beaches and slightly inland, until first landing craft disgorge troops on the beaches, then shift fire inland 1000 yards and cease strafing two minutes thereafter. These aircraft will employ same type of formation and observe gunfire trajectory danger zones and prescribed traffic flow patterns (see charts, Appendix "6")).

4. Air Coordinator will coordinate entire special strike described above. He will report its completion to Commander Support Aircraft.

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APPENDIX "5" TO ANNEX "F" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

III AMPHIBIOUS CORPS
S.O.P 1-44 DATED 8 MAY 1944.

CLOSE AIR SUPPORT AVIATION

This Close Air Support Aviation S.O.P. supersedes First Marine Amphibious Corps Close Air Support Aviation S.O.P. 1-44, dated 3 March, 1944.

1. CLOSE AIR SUPPORT is that type of aviation support which executes missions against enemy forces holding up the advance of our own front line units.

2. AIR LIAISON PARTIES AND EQUIPMENT. To maintain liaison between close support aviation and ground units, air liaison parties shall be maintained during combat in the headquarters of each landing team; the headquarters of each combat team; the headquarters of the divisions. Each team shall consist of one officer as air liaison officer, one non-commissioned officer as radio mechanic, one non-commissioned officer as radio operator, and one private or private first class as truck driver. Each air liaison party shall be equipped with a two-way radio mounted in a quarter-ton truck, a sound-power or field telephone unit, a flashing light unit, panel signal equipment, air ground message drop-pickup equipment, and colored smoke grenades.

3. DUTIES OF AIR LIAISON PARTIES. Prior to an operation each air liaison party shall acquaint itself with the operation order, make a complete map study of the theatre of operations, and be conversant with the situation prior to landing. Each party shall go ashore with the commanding officer of the unit to which he is attached. He will establish communications with Commander Support Aircraft as soon as possible. He will not communicate with other air liaison parties over this net nor shall this net be used for administrative purposes between his and other units. This net must be reserved for the sole purpose of air support. It is the responsibility of each air liaison officer to advise his unit commander of all matters concerning close air support, and to prepare, forward, and coordinate the execution of such requests. Requests for air support will be made to the Commander Support Aircraft by the air liaison party over the support air request net. When authorized by Commander Support Aircraft, the air liaison party will employ the support air direction net for voice communication with the aircraft assigned to it for close support. Only in the event of radio failure shall flashing light, panel signals, or message drop-pickup be used. Air Liaison Parties and pilots of

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APPENDIX "5" TO ANNEX "F" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

close support aircraft shall not only be familiar with the frequency of the close air support net and the parties of the net but must be able in the event of radio failure to shift over to the alternate communicational method. When an alternate communicational method is necessary the code and procedure, such as the Air-ground panel code, as prescribed in the communication plan of the operation order will be used.

4. THE AIR SUPPORT PLAN. The Air Support Plan of the Third Amphibious Corps Operation Order will inform units, prior to the operation, of the aviation unit which will furnish the aircraft for close air support, the bases from which the aircraft will operate, the type and number of aircraft that will be available, and whether the aircraft will be available for close air support from "on station" in the air over the scene of operations or from "on call" at their bases. This information will be furnished to the lower units of the divisions through the air support plan of the division operation order.

5. COMMAND CONTROL AND OPERATIONAL CONTROL OF CLOSE SUPPORT AVIATION. Initially, the Naval Attack Force Commander has command control of the close support aircraft. Command control shifts to the Landing Force Commander as soon as he establishes his command post ashore and when directed by the Naval Attack Force Commander. Whether the command control is with Naval Attack Force Commander or the Landing Force Commander, the operational control of the aircraft is vested in the Commander Support Aircraft. Air Liaison parties of subordinate units shall make request for close air support directly to the Commander Support Aircraft for action. Higher echelons will indicate approval of an air liaison party's request by maintaining silence. If the commander of a higher echelon wishes to cancel, or modify, he will do so directly to Commander Support Aircraft.

6. THE EMPLOYMENT OF CLOSE AIR SUPPORT. In general, close air support shall be reserved for use against targets which cannot be effectively engaged by available supporting infantry weapons and artillery. The effectiveness of supporting ground weapons depends upon the number and types of such weapons emplaced and ready to fire, and the sufficiency of ammunition available. To completely ignore available air, however, as an effective weapon against a target that can be hit by supporting infantry weapons and artillery is unsound. For example, aerial bombing employed as a preparation to an infantry attack, and followed by continued dummy bombing runs as the infantry troops advance on the enemy positions, will serve to distract and confuse the enemy capable of offering resistance to our own forces during the ground attack.

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7. REQUESTING CLOSE AIR SUPPORT

a. When the aircraft are on "on station" over the landing area. During the initial stages of a landing operation the close support aircraft will normally be required to be "on station" in the air over the landing area to answer requests for close support. The support air request radio net must be employed when requesting the Commander Support Aircraft for support from aircraft "on station". The net will include each air liaison party of the division or divisions, the Commander Support Aircraft, and the base airdrome or carrier if possible. The request for close air support will receive prompt action from Commander Support Aircraft and the air liaison party making the request will be informed as soon as a decision is reached. When an additional radio becomes available to air liaison parties ashore they will monitor the support air direction net and hear the orders of Commander Support Aircraft to the planes and the instructions of flight leaders to their flight.

b. When the aircraft are on "on call" at the base airdrome or carrier. When the ground forces have effected a landing and secured a beachhead close support aircraft will normally perform missions from an "on call" position at their base airdrome or carrier. All requests for air support should be made over the support air request net in the same manner as for aircraft "on station". When time and circumstances will permit, however, it is best to make the request for support through channels by telephone.

8. THE REQUEST FOR CLOSE AIR SUPPORT. The request for close air support must contain the following information:

a. The nature of the target - Such as enemy positions, counter-attacking troops, heavy guns, moving tanks, anti-tank guns, etc.

b. The location of the target - This should be expressed in coordinates of the furnished operational map. However, unless there are landmarks distinguishable both upon the ground and upon the map, the use of coordinates will serve only to approximate the target area. The use of colored smokes in jungle or wooded area and panels in open terrain to mark the foremost position of friendly troops will offer a positive reference line from which the target area can be located in direction and distance. Marking the target area with mortar or artillery smoke shell (white phosphorous) will definitely locate the target relative to the colored smoke reference.

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c. The time the attack is desired - The time that the planes are to be "on station" prepared to execute the mission (usually 10 or 15 minutes before time of strike). Information must be included as to whether it is desired that the mission be performed under the control of Commander Support Aircraft or the air liaison party.

d. The number and type of planes to be employed - A recommendation as to the number of aircraft and type, loaded with a definite number of desired bombs, deemed adequate to perform the requested close air support mission. This recommendation is based on the ground unit requesting the close air support knowing the mission to be performed including size of target, characteristics and effectiveness of bombs, number of bombs required to neutralize or destroy the target as designated and the number of each weight bomb carried by each type aircraft.

e. The bomb and fuze to be employed.

(1) Bomb - Whether the one hundred pound, the five hundred pound, the thousand pound, or the two thousand pound bomb is desired dropped on the target. In flat terrain and if our own troops are flat on the ground the thumb rule of allowing one yard per pound of bomb up to a thousand yards is practical - that is, normally do not use the one hundred pounder closer than one hundred yards to our own troops, the five hundred closer than five hundred yards, or the one thousand or two thousand closer than one thousand yards. However, when our troops are beneath the ground surface or in or behind any improvised shelter, one hundred pound bombs may be dropped at seventy-five yards, five hundred at three hundred yards, one thousand at five hundred yards, and two thousand at seven hundred yards, if the occasion demands and is requested. The employment of close support bombing in accordance with the limitations set out above will not normally be injurious to ground troops either by fragmentation or shock.

(2) Fuze - Whether instantaneous or delayed action fuzes are desired on the bombs to be dropped on the target. Bombs with instantaneous fuzes explode on impact and are best employed on targets above the ground. Delayed action fuzes permit the bombs to penetrate into the target before exploding, and are best used on dug-in or covered targets. In sandy loam a one hundred pound bomb with an instantaneous fuze will make a crater two feet in depth and nine feet in diameter at the surface. The same bomb with a delayed action fuze will make

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a crater five feet in depth and twenty feet in diameter at the surface. Delayed action fuzes permit a bombing plane to approach closer to a target before dropping its bombs and should thus permit greater accuracy.

f. The direction of bombing runs - Whether the bombing runs are to be made parallel to or perpendicular to the line of our own troops. Generally aerial bombing is more accurate in deflection than range. The error in range should be beyond the target rather than short of it. Wherever possible bombing runs should be made parallel to the line of the supported troops. Where the geographical features of the terrain necessitates perpendicular approaches to attain maximum effect on the target the approach should be made from the rear of the friendly troops toward the enemy installations. A particularly effective form of close support by aircraft is described below. This form of attack is performed by VTB loaded with twelve 100 pound GP bombs with 4 - 5 second delay fuze. (Fuze arms at 130 feet altitude, speed 150 knots or 80 feet altitude at 200 knots.) The bombing is carried out parallel to our own front lines, using intervalometer for minimum spacing. Following planes keep clear until delayed fuzes explode bombs previously dropped. With deep enemy front bomb with two plane section on line. After last plane makes attack signal completion of attack by appropriate pyrotechnic display (See CentCom TWO, Annex C). Notification of attack's completion will also be made on support air direction net by the last aircraft making the attack. If requested, dummy passes will be made over the enemy with bomb bay doors open.

g. The signal to indicate the termination of live bombing runs. Whether it is desired that a visual or an oral signal be employed by the boming planes to indicate that the live bombing runs have been completed and that only dummy runs will continue. Oral indications by voice radio, to be passed on by the air liaison party to the front line troops prepared to attack, is normally too slow to allow troops to take full advantage of the effect of the bombing. Smoke hand grenades dropped from about four hundred feet, or other appropriate pyrotechnic signal, above the target are readily seen by ground troops and will greatly decrease the unavoidable time lag between the end of the actual bombing and the jump off of the infantry attack. Such a visual signal may be designated by the ground commander as the time of infantry attack.

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h. Sample request for close air support - "Request aircraft report in on station at 0700 fourteenth to ALP 6 prepared to bomb dug-in enemy with overhead cover on a line 101.1-194.9 to 101.8-194.2. Friendly line two hundred yards southwest of and parallel to enemy line. Red smoke will mark friendly line. White smoke will mark target line. Recommend eighteen TBFs with maximum load one hundred pound bombs with delayed action fuzes. Bombing runs to be made from southeast to northwest. Signal completion of bombing runs and beginning of dummy bombing runs by dropping yellow smoke from above target".

i. Additional information - Any additional information that might assist in more fully coordinating the employment of air support with the ground unit.

9. THE BRIEFING OF PILOTS. If a mission of close air support is to be performed at a definite time, and without communication between the aircraft "on station" and the supported unit, it is mandatory that the pilots be thoroughly briefed prior to takeoff, preferably by a person familiar with the terrain and the tactical situation. When there is to be communication between the planes in the air and the supported ground units it is only ideal that they be briefed. Assuming the pilot knows the radio net frequency, the parties to the net, the alternate communicational codes and procedures prescribed for the operation, it is essential that the pilot in addition know only the bomb and smoke grenades he is carrying, the lowest altitude that he can safely approach the target before dropping his bombs, the time and place to which he is to report "on station" and if Commander Support Aircraft has authorized direct control by air liaison party, and the air liaison party to which he is to report. Whether or not pilots have been briefed prior to the mission, the air liaison party shall give them final instructions before permitting them to bomb. Assuming the planes have been assigned the close support mission by Commander Support Aircraft and have reported to the air liaison party by radio, the air liaison party's instructions to the planes might be as follows: "We are going to put up three yellow smokes to form a line running north to south. This is our front line. The target area is two hundred yards east of and parallel to the line of yellow smokes. We will mark the target line with two white phosphorous smokes. Signal immediately after completion of bombing. Are you ready for mark? Stand by for mark - On the way - Mark - Target is clear - Attack". Having understood the instruction the flight leader will lead his flight in the desired formation so as to pass as close as safety would permit over the southerly white phosphorous marker toward the northerly white phosphorous marker and drop the bombs evenly and exactly between the two markers.

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APPENDIX "5" TO ANNEX "F" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

10. Attached forms are to be used for requesting Close Air Support Aviation and for directing its employment.

MISSION REQUEST FORM

1. BOMB and/or STRAFE _____

2. TARGET is _____

3. TARGET is LOCATED (Grid or landmark) _____

4. White SMOKE on TARGET _____

5. TIME

   (a) Of ATTACK _____

   (b) Of COMPLETION _____

6. FRONT LINES MARKED

   (a) Colored SMOKE _____

   (b) Panels _____

7. DIRECTION of ATTACK _____

8. Additional information,

   if required. (Recommended bomb loading and fuzing, and number of planes to be used).

_____

_____

_____

NOTE: Messages will include essential information in this order. Any part not applicable will be omitted from above form.

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DIRECTING
CLOSE AIR SUPPORT FORM

1. BOMB LOAD - What weight bomb and type of fuze?

2. YOUR POSITION - (In relation to target area) _____

3. FRONT LINES - Our front lines are running from _____ (N-E-S-W)
to _____ (N-E-S-W) in _____ of
area(s) _____.

4. FRONT LINES MARKED - _____ (Smoke - Panels) _____
(are - is - will be) displayed.

5. ENEMY LOCATION - Enemy line is _____ yards _____(N-E-S-W)
and _____ (perpendicular-parallel)
to our lines.

6. ENEMY MARKED - Will mark with white smoke.

7. DIRECTION OF ATTACK - Attack at LOW LEVEL in a _____(N-E-S-W)
to _____(N-E-S-W) direction.

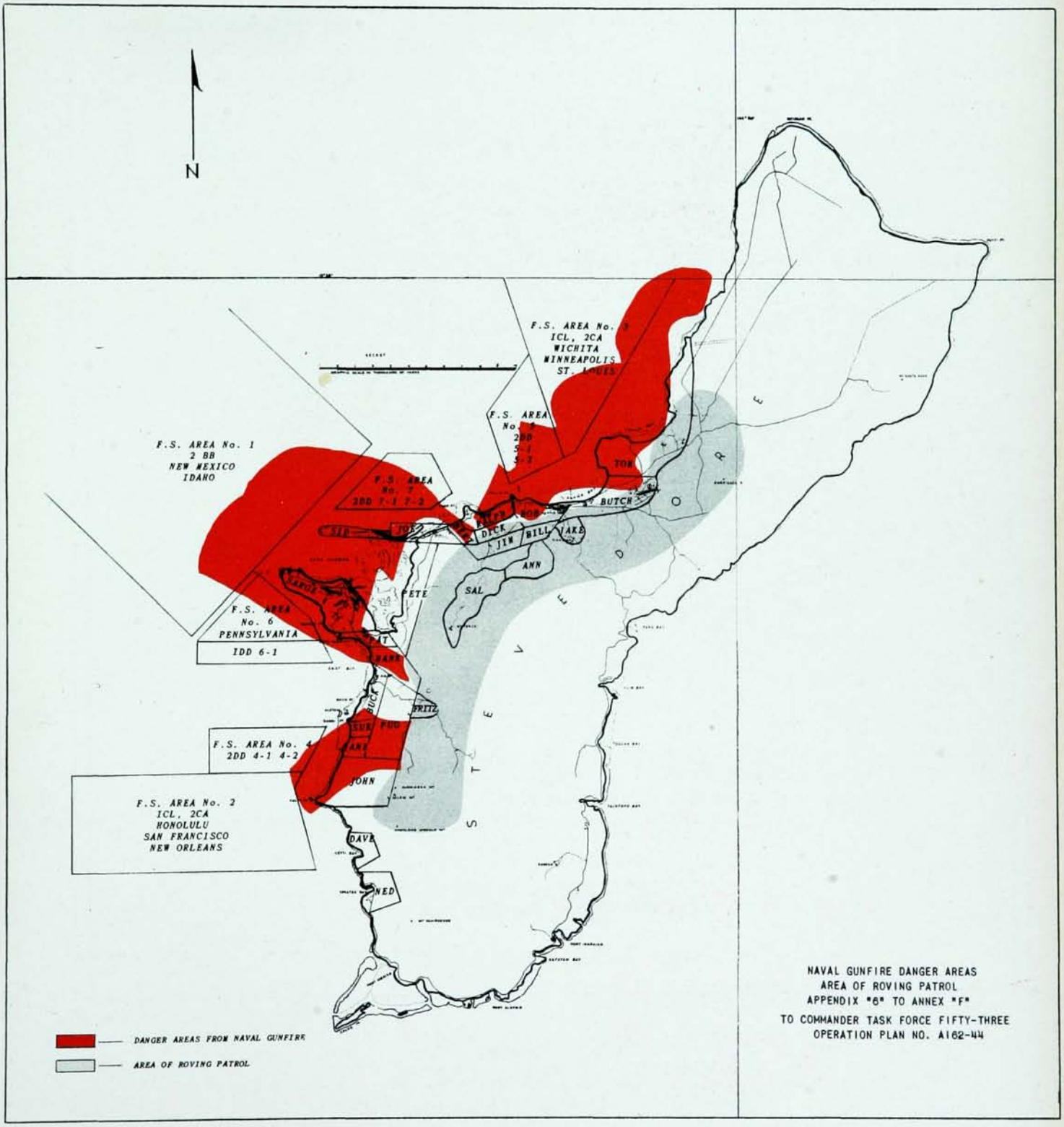
8. BOMBING DIRECTION - Drop bombs in _____ pass(es).
Signal completion of attack.

9. Make _____ dummy bombing run(s).
(number)

* *

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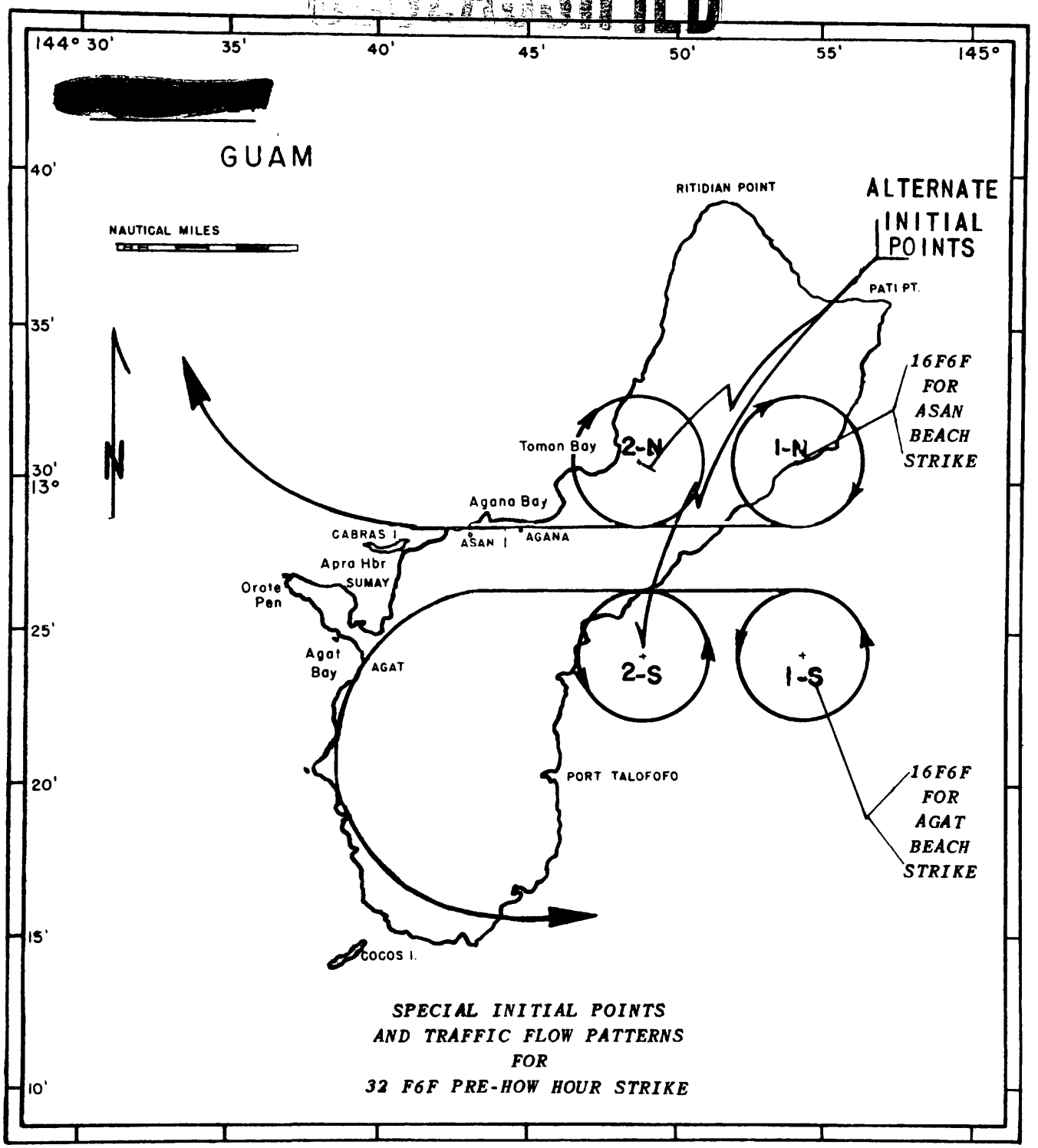
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NAVAL GUNFIRE DANGER AREAS
AREA OF ROVING PATROL
APPENDIX "6" TO ANNEX "F"
TO COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

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SPECIAL INITIAL POINTS
AND TRAFFIC FLOW PATTERNS
FOR
32 F6F PRE-HOW HOUR STRIKE

~~CHART~~ ~~No. 1~~

APPENDIX "6" TO ANNEX "F"
TO COM. TASK FORCE FIFTY-THREE
OPERATIONS PLAN No. A162-44

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APPENDIX "7" TO ANNEX "F" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

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FIGHTER DIRECTION INSTRUCTIONS

I. Fighter direction shall be in accordance with the doctrine in effect (Annex C to CentComTWO, Part III, 2217(e)) and with Appendix 7 to Annex (F) to CTG 51 Operation Plan No. A10-44 (Appendix "1" to this Annex).

II. Beginning with the Assault Phase of the GUAM operation, the following additional instructions will be observed:

A. Carriers (CVE) will exercise own fighter direction in accordance with effective Fighter Direction Doctrine, providing own CAP.

B. Carriers (CVE) will provide CAP over the Transport Areas. In an emergency, VF of support air groups may be used.

C. Fighter Direction and Radar Pickets:
1. Primary fighter direction will be in the Fighter Direction destroyer near the Transport Areas.
2. Secondary fighter direction will be in the Fighter Direction destroyer stationed on the opposite side of the island objective.
3. Standby fighter direction will be in the Amphibious Force Flagship near the Transport Area.
4. Standby reliefs may be in radar picket ships, any other adequately equipped ship in a position to exercise control, or in a shore-based unit, as assigned.
5. Two radar picket destroyers* will be stationed as follows: One off the northern and one off the southern tip of the island objective.

*(At times, these destroyers will be Fighter Direction destroyers, but at all times the destroyers will be able to function as radar pickets.)

Additional destroyers may be assigned radar picket duties by the Attack Force Commander.

D. Surface Search will be conducted as follows:

1. Day - Complete surface search radar coverage of the island objective area will be accomplished by ships discussed in paragraph E.1. below. Radar coverage for separate units or groups will be as designated by unit or group commanders.

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2. Night - and during periods of reduced visibility - Radar pickets will be designated and stationed around the island objective by Commander Task Force Fifty-three to provide complete surface search radar coverage of that area. Radar coverage for various units or groups will be accomplished as directed by responsible unit or group commanders.

E. Air Search will be conducted as follows:

1. Day - All fighter direction ships will conduct continuous 360° search. Radar pickets will be designated and assigned sectors by the Commander Task Force Fifty-three to afford complete air search radar coverage of the island objective area.

2. Night - Sufficient radar picket ships will be designated by the Commander Task Force Fifty-three to cover the entire area. These ships may likewise be designated to perform surface search duties.

F. Shore-Based Radar Search and Fighter Direction

1. The shore-based organization will function in accordance with the tentative Air Defense Control Center (ADCC) Doctrine (see Appendix 7 to Annex (F) to CTF 51 Operation Plan No. A10-44 (Appendix "1" to this Annex)). Information received at the ADCC on the Radar Telling Circuit (inter-island) and the local Radar Reporting Circuits (intra-island) will be filtered, evaluated, and passed over the I.F.D. net to the Force Flagship and Primary fighter direction ship, in polar coordinates from Point ABLE. (See Chart I attached.)

2. As long as fighter direction ships and other surface craft of Task Force 53 are in the objective area, all fighter direction, day and night, will normally be handled by units afloat as directed by the Commander Task Force 53. Aircraft will be provided by carriers or land-based fighter aircraft (GUAM-based).

3. As soon as a night fighter squadron, land-based, is ready to operate, Commander Task Force 53 will be so advised. Thereafter four of these aircraft will be in an alert status (ten minutes notice) during hours of darkness until otherwise directed. Daylight CAP will be furnished in entirety by carrier groups until land-based

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day fighters are available at GUAM at which time the Combat Air Patrol (day) over the objective area will be furnished in whole or in part by the land-based VMF squadrons, as requested by the Commander Task Force 53.

4. When the shore-based ADCC is in all respects ready to take over all air search and all fighter direction control, both day and night, the Commander Task Force 53 shall be notified.

G. Night Fighter Direction

1. Afloat - The Commander Task Force 53 will designate the controlling station depending on the position of the raid and the Fighter Direction unit in best position to conduct an interception.

2. Ashore - Inasmuch as altitude determination from the shore will not be possible until a 527 set is landed, installed, and calibrated, it is not planned to control night fighters from the land-based unit until that unit is prepared to take control. If, however, the land echoes on the SC-2 mobile unit ashore are more favorable than the echoes of SC-2s afloat for night fighter direction defense of the target area, it may be desirable for the land-based unit to take control using altitude solutions obtained from ships. This method will be placed in effect only on order of Commander Task Force 53.

H. Night Fighters

1. No strip in operation - Night fighters may be requested by the Commander Task Force 53 from Fast Carrier Groups operating in the vicinity. The availability of these aircraft is decidedly limited due to range and endurance considerations and the fact that they will have to land aboard after daylight.

2. Strip in operation - Land-based and possibly carrier-based (Fast Carrier) night fighter aircraft may be available under these circumstances.

NOTE: Not more than two night fighters will be employed at one time under normal conditions.

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3. When conducting a night interception no night fighters will be vectored closer than 6000 yards to any surface or land-based anti-aircraft battery above three inch caliber, unless otherwise directed by the Commander Task Force 53.

I. Radar Reporting

1. Unfiltered radar reports from radar guardships and Air Defense Control Center will be sent to the Primary Fighter Direction ship in polar coordinates (true bearing and distance in nautical miles) from the designated radar polar coordinate reference point (Point ABLE, see attached Chart), which is on OROTE Point. The Primary Fighter Direction ship will evaluate and pass on the information to the Commander Task Force 53 who will initiate warnings on the Local Air Warning net, TBS, flaghoist, and whistle. However, if an attack should develop suddenly at close range, the unit having contact will immediately take action and make the report directly on the Local Air Warning net as well as IFD.

2. Radar Reporting and Warning Procedure - Chart I

a. Inter-Fighter Direction net - In the event of breakdown of existing Inter-Fighter Direction net (608 or 610), fighter direction primary frequency will be used for the IFD and fighter direction will be accomplished on the secondary fighter direction frequency. In this case, Commander Task Force 53 will direct all Fighter Direction units to use this method. The Local Air Warning net will not be employed as the IFD secondary. Radar pickets not equipped with 610's use Prim. F/D Freq.

J. In conjunction with the effective Fighter Direction Doctrine the following is set forth for the Combat Air Patrol:

1. "Reporting in" procedure - The flight leader should call the Force Fighter Director in APPALACHIAN, "MOSCOW BASE", identify himself, report division calls, composition and position of flight, indicating estimated time his flight can remain on CAP station. The Force Fighter Direction Officer will then inform the CAP who the controlling fighter direction ship is and his fighter direction call ordering the CAP to report in to him. The CAP will do so using the same procedure of reporting in.

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Example: "MOSCOW BASE" - this is BORAX ONE reporting in for CAP with BORAX TWO, eight Hellcats, 10 miles south of Point "KING" at Angels six. Can remain on station for two hours. Over.

2. Relieving procedure - The CAP will be relieved on station by the oncoming flight. When released by the controlling Fighter Director, the flight leader will shift to the Support Air Direction frequency and report to Commander Support Aircraft stating number of planes in flight, time available for ground support missions, and armament, requesting further instructions. If unable to contact CSA on the HF SAD frequency, he will come up on SAD emergency which is 140.58 mcs.

3. On Station - Orbit points will be assigned to the CAP and it is important these be maintained. Normally, the CAP will orbit at Rendezvous Point "KING" (see Appendix III to Appendix "1") at designated altitude. Because of the difficulty of establishing the exact position of the CAP at all times due to land echoes and many friendly planes on the radar screen, the Fighter Direction Officer may order the CAP to rendezvous over a designated orbit point (see Appendix III to Appendix "1") in the direction of the raid. When so ordered, CAP should expedite moving to this point, attaining assigned angels and joining up in a tight formation. When directly over the point the CAP should inform the Fighter Direction Officer who will then give the intercepting vector.

K. "PINEAPPLE PROCEDURE" - This procedure has been adopted to give Commander Task Force 53 an overall picture of the existing land echoes on the air search radars of the radar pickets and fighter direction ships stationed around the island objective. With this information Commander Task Force 53 can assign stations to these ships to provide maximum radar coverage.

The procedure is as follows: The ship requested by the Commander Task Force 53 to "report pineapple" will report the sectors which he believes he cannot cover due to land echoes, excluding line of sight limitations. Average minimum and maximum ranges of each sector will be given. There will be certain sectors with land echoes through which aircraft can be picked up and these are not to be included in the report.

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K. "PINEAPPLE PROCEDURE" (continued)

Form of "reporting pineapple" is to give ship's position, then the true limiting bearings clockwise followed by the minimum then maximum ranges in nautical miles.

The Fighter Direction ship on the East side of the island objective might report as follows: "MOSCOW" this is "HALYARD". Position (shackle) 090, 17 from Point ABLE. My "Pineapple" 020 to 100, range 3 to 11 - "Pineapple" 150 to 220, range 10 to 16. Over."

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APPENDIX "7" TO ANNEX "F" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 CONTINUED)

FIGHTER DIRECTION CONTROL PLAN - TABLE I

Category	Case	Fighter Direction	C.A.P.	F.D. Net	I.F.D. Net
Cruising	(1) TG 53.1, 53.2,53.3 TU 53.7.1 present	1. SANGAMON *(c) 2. SUWANEE 3. CHENANGO	CVE	Prim. 142.74(#4) Sec. 142.02(#2)	Prim. 37.6 Sec. 36.4
	(2) TG 53.1,53.2,53.3 in company and TU 53.7.1 separated from them	1. Prim. F.D.DD 2. Sec. F.D. DD*(d) 3. APPALACHIAN	CVE	Case 1	Case 1
		Case 1	CVE	Case 1	Case 1
	(3) TG 53.5 and TU 53.7.2 in company	1. Corregidor *(c) 2. Coral Sea 3. Wadsworth	CVE	As designated by OTC	As designated by CTC
	(4) TG 53.5 separated from TU 53.7.2	1. Wadsworth 2. As designated by CTC.	CVE	Case 3	Case 3
		1. Corregidor 2. Coral Sea	CVE	Case 3	Case 3
Island Objective	(5) All of TF 53 present	Case 1	CVE, FORAGER based, and CV, CVL. VF in emergency	Prim. 6335 Sec. 142.74(#4)	Prim. 37.6 Sec. 6335*(b)
	(6) TF 53 less TG 53.7	Case 2	Case 5	Case 5	Case 5
		As designated by CTG 53.7	CVE	As designated by CTG 53.7	Case 5

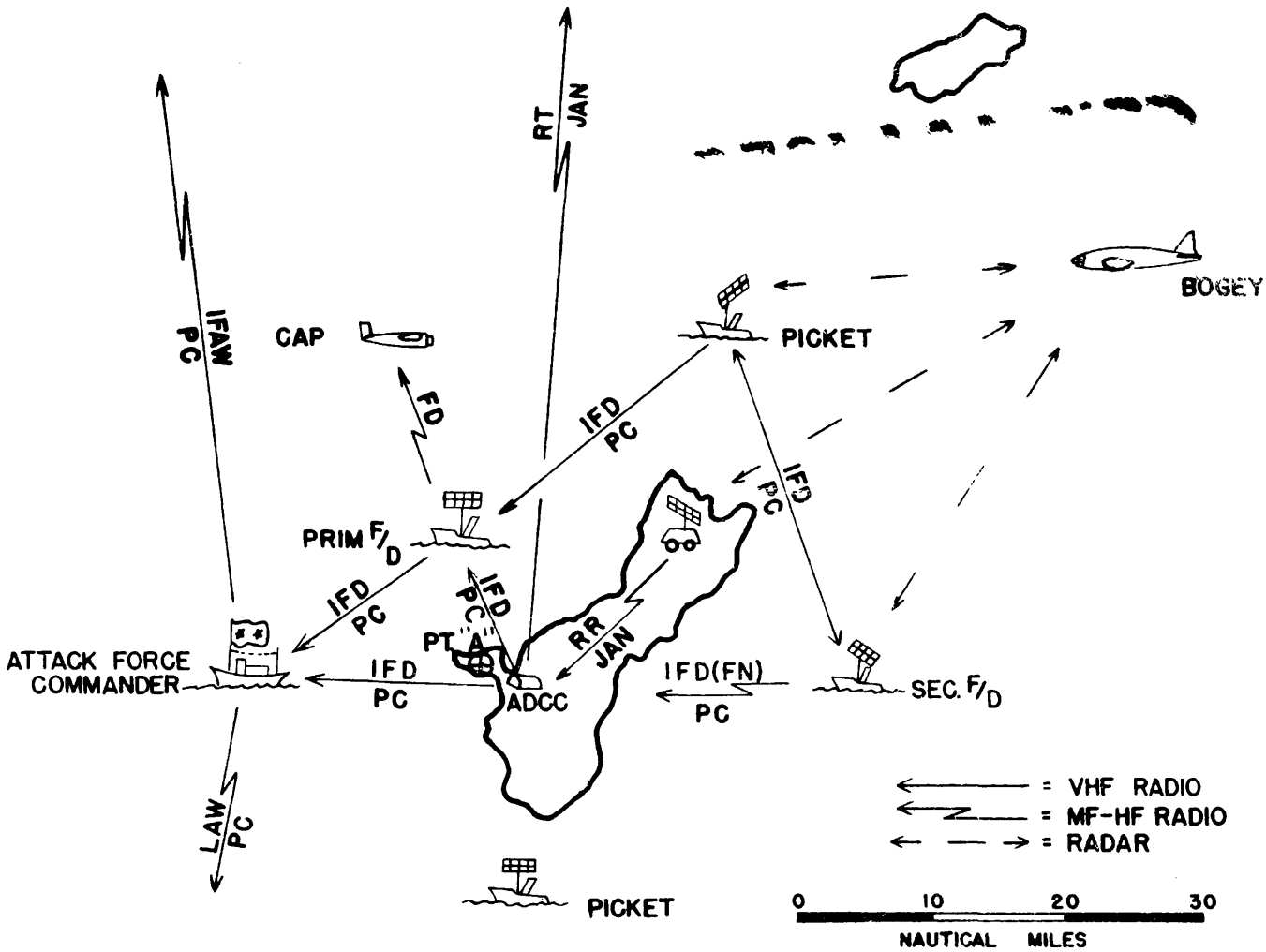
*N.B. (a) No ship will shift from Primary F.D. Net or I.F.D. Net to the Secondary without permission from the Attack Force Commander.

(b) If the I.F.D. net is shifted from Primary to Secondary, the Secondary F.D. Net must be used by all Fighter Direction units.

(c) Duty Fighter Direction CVE within the unit will be designated by the carrier unit commander.

(d) As designated by CTF 53.

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STEVEDORE RADAR REPORTING AND WARNING PROCEDURE

LEGEND:

ADCC - Air Defense Control Center
FD - Fighter Director Circuit: Prim. 6335; Sec. 142.74 (Channel 4)
IFAW - Inter Force Air Warning Net: Prim. 3000; Sec. 3355
IFD - Inter Fighter Director Net: Prim. 37.6; Sec. 6335
JAN - Joint Army-Navy Grid
LAW - Local Air Warning Circuit: Prim. 3115; Sec. 3355
PC - Polar Coordinate (True Bearings, nautical miles from Pt. 'A')
RR - Radar Reporting Circuits (intra-island) 33.8 mc; 1870; 1550; 1600
RT - Radar Telling Net (inter-island) 2874

Pt. 'Able'
Lat. 25°30' N.
Long. 144° 37.30 E.
Grid Position - [illegible]

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APPENDIX "B" TO ANNEX "S" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

SPECIAL INSTRUCTIONS

I. Air Observers

A. In addition to performing their regular duties, as outlined in Appendix "1" to this Annex, a special mission will be performed by these observers acting in this instance as agents of the respective Attack Group Commanders. The bomb bay of each of two TBF airplanes in which these observers are airborne on the first flight on WILLIAM Day will be loaded with six Mark 6 parachute flares. When the leading wave of LVTs of the THIRD Division is 1200 yards from the beach between Point ADELUP and ASAN Point, the THIRD Division Air Observer will drop (in salvo) six Mark 6 parachute flares from his airplane at a point about one mile inland from the center of this beach at an altitude below cloud level but above the level of haze and dust. Most preferred altitude is 2000 to 3000 feet.

B. Similarly, when the leading wave of LVTs of the 1ST BRIGADE is 1200 yards from the beach between AGAT TOWN and BANGI POINT, the 1ST BRIGADE Air Observer will drop (in salvo) six Mark 6 parachute flares from his airplane at a point about one mile inland from the center of this beach at an altitude below cloud level but above the level of haze and dust. Most preferred altitude is 2000 to 3000 feet.

C. Air observers must carefully study charts of the objective, picking out prominent land marks separated by a known distance, in order that this distance may be used as a yardstick in accurately determining when the leading waves of LVTs are 1200 yards from their respective beaches.

II. Pre-HOW HOUR Call Strikes

A. 1. Air Coordinator may be requested to direct sub-flights to rove areas shown on grey shaded portion of attached chart (1) during periods before HOW Hour. Those aircraft not so designated will continue to orbit at their assigned INITIAL POINT, on call.

2. The mission of these sub-flights, known as "ROVING PATROLS", is to knock out any coastal defense guns, AA batteries, enemy mobile artillery or mortar fire within the grey shaded area shown on attached chart endangering our ships and landing craft, and such other missions as may be directed by Commander Support Aircraft.

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3. It is anticipated that many of these enemy positions will probably exist and will be well camouflaged and unknown to us until the morning of WILLIAM Day. Therefore, the Acting Flight Leader of this sub-unit must be particularly alert to spot these positions by watching for the flash of the guns and hitting them while their positions are clearly fixed in his mind. To be effective, this type of strike entails the following technique:

   (a) Air Coordinator and Flight Leader of this sub-flight equipped with bombs watch for gun flashes. As soon as one is seen, leading dive or glide bomber attacks. Air Coordinator notes error of bombs impact and informs next bomber of error. Next bomber then attacks allowing for reported error of first bomber's drop. VF, VSB and/or VTB will be used as necessary to effectively knock out these positions as directed by Air Coordinator.

B. No attacks will be made by these aircraft in any land areas shown in red on the attached chart (1) unless specifically ordered by Commander Support Aircraft. Commander Support Aircraft will only order air attacks to be made in the red land areas when: (a) No Naval gunfire is in progress or (b) Naval gunfire is operating under PLAN VICTOR (see below).

III. PLAN VICTOR

A. With PLAN VICTOR in effect, Naval gunfire and rocket fire is limited to a maximum ordinate of 1200 feet (above sea level). This is effected by restricting the range of fire and the areas of impact of the various batteries and rockets to such limits as to automatically hold the maximum ordinate of any projectile to the above value. Height of impact areas above sea level has been taken into account in determining the minimum safe altitude.

B. When PLAN VICTOR is in effect the minimum safe altitude for aircraft in the gunfire and rocket fire trajectory paths is 1500 feet.

C. PLAN VICTOR will be in effect from H - 90 to H - 60 and during special VF strike while landing craft are between 1200 yards and their respective beaches, unless otherwise directed, and at such other times as Commander Task Force Fifty-three may direct.

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D. GENERAL RULE

Aircraft should avoid flying under 4000 feet between impact areas and fire support ships while unrestricted Naval gunfire is in progress and under 1500 feet when PLAN VICTOR is in effect. The area shown in red on the attached chart are zones in which ~~the above~~ maximum ordinates will occur.

IV. CHECKING NAVAL GUNFIRE

A. Prior to conducting VF strafing strikes on airfield on OROTE PENINSULA it will be necessary to check Naval gunfire entirely. Flight Leaders of these strikes will check in with Commander Support Aircraft before making these strikes in order that Naval gunfire, if in progress, may be interrupted or other targets assigned.

B. Gunfire may be interrupted at such other times as may be directed by Commander Task Force 53 in order to enable aircraft to most effectively employ their armament.

V. OY-1 (see attached Plate)

The OY-1 airplane will be used at the GUAM objective for Artillery Spotting as soon as an operating strip is available on the island.

These planes are attached to VMO-1 and will be transported to the objective by Task Group 53.7. They will be flown ashore.

These airplanes are slow and, unfortunately, are excellent targets.

THESE PLANES ARE FRIENDLY.

DO NOT FIRE AT THESE AIRCRAFT.

OY-1 aircraft use IFF Code #3.

VI. A. After the troops have landed, direct support missions in support of ground troops will be ordered by Commander Support Aircraft on request of Air Liaison Parties. (See Appendix "5".)

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B. The Landing Force Support Aircraft Commander, formerly known as Commander Support Aircraft (ashore) will be assigned temporary additional duty under the command of the Landing Force Commander. When the Landing Force Support Aircraft Commander is in all respects ready to take over control of aircraft operating in direct support of troops (distant land and/or carrier based), the Landing Force Commander will advise the Attack Force Commander (CTF 53) of this fact.

And, when directed by the Attack Force Commander, support air command at the objective will be exercised by the Landing Force Support Aircraft Commander over those aircraft over the objective.

Requests for carrier and distant land-based aircraft desired by the Landing Force Commander (Landing Force Support Aircraft Commander) will be referred to the Attack Force Commander who will effect the desired arrangements for the aircraft and notify the Landing Force Commander of their ETA at the Rendezvous Point.

VII. Photographs

Message drops will be used to deliver photographs and photographic negatives to land bases.

Delivery of photographs or photographic negatives to ships will be accomplished as follows:

(a) Photographic airplane will land aboard parent CVE and further delivery to destination will be accomplished by destroyer.

VIII. Aircraft (TBF) used in Close Support Missions of troops will normally use 100# G.P. bombs with 4 - 5 second delay fuzes. For technique of effecting this type of support, see Appendix "5" to this Operation Plan.

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APPENDIX "8" TO ANNEX "F" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

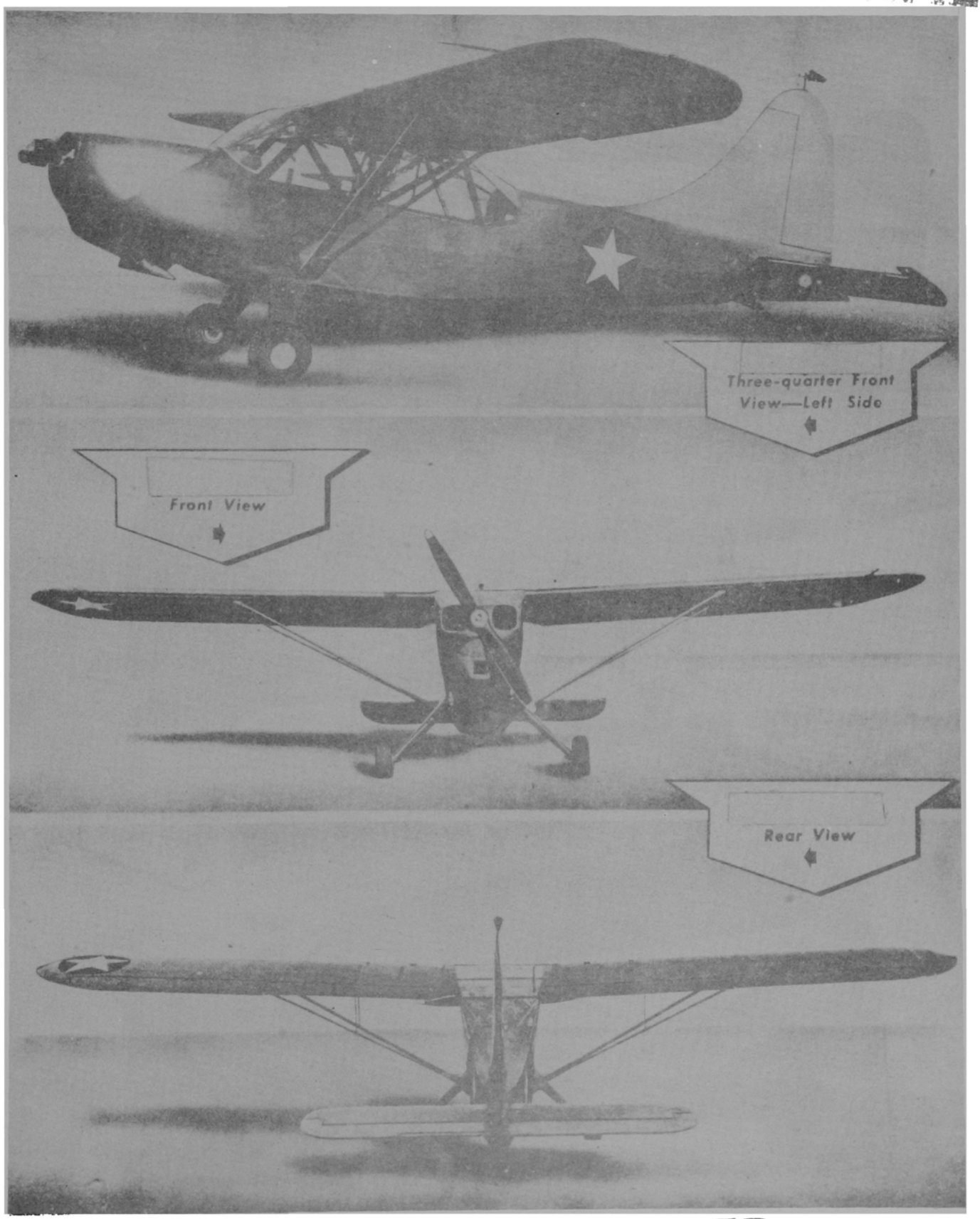
CHART I

(See Appendix "6")

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OY-1 SENTINEL

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ADDENDA "1" TO ANNEX "F" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

1. Refer to Appendix "1" to Annex "F" to CTF 53 Operation Plan No. A162-44.

(a) Fast Carriers have been requested to provide call strikes for WILLIAM minus TWO Day in accordance with WILLIAM minus ONE Day schedule. These flights are in addition to WILLIAM minus ONE Day flights.

(b) Modification of VTB armament for call strikes for these two days has been requested as follows:

7 VTB - Ten 100# G.P. bombs plus rockets.
2 VTB - Each loaded with five 100# incendiary clusters, five 100# incendiary bombs plus rockets.

(c) Air called strike target priorities and air incendiary bomb targets for these two days are set forth in Annex "D" to CTF 53 Operation Plan No. A162-44.

(d) Targets for incendiary bombs for WILLIAM minus TWO and WILLIAM minus ONE day strikes:

(1) Fire PITI, ASAN and AGAT TOWNS. Drop incendiary bombs immediately after dropping G.P. bombs on these objectives.

(2) Fire swordgrass in open spaces in target squares south of ASAN - ADELUP Points as follows: 582, 583, 559, 560, 561, 562, 532, 533, 534, 535, 506, 507, 508, 480, 481, 482, 457, 458, 459, 435, 436, 415, 416, 417.

(3) Fire swordgrass in open spaces in target squares east and south of AGAT Beach as follows: 396, 397, 398, 399, 379, 380, 381, 382, 363, 364, 365, 366, 347, 348, 349, 350, 331, 332, 333.

(4) NOTE: Lay incendiaries on windward side of grass areas and attempt to burn these areas off with a minimum expenditure of incendiary bombs using the wind to assist. If grass does not burn use all incendiaries on PITI, ASAN and AGAT TOWNS.

18 SEP 1944

O.M. # 11-ND-1335.

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2. Refer to page 9 to Appendix "1" to Annex "F" to CTF 53 Operation Plan No. A162-44. Delete all of Table above "Important Notes" and substitute therefor the Table set forth below:

H-90 to H-60 Aircraft Strike

Location	Target	Airplanes	Armament
BANGI Point GAAN Point PELAGI ROCK & Point inshore NEYE ISLAND & Point inshore	Pill boxes, machine guns, mortars. amd defense positions	15 VSB 6 VF	500# and 2 - 250# G.P. bombs. Full ammunition.
Landing Beaches (BANGI Point to AGAT TOWN) and positions on high ground behind	Trenches, machine guns, and defense positions.	10 VTB 4 VF	10 - 100# G.P. bombs plus H.E. rockets. Full ammunition.
AGAT TOWN	Buildings and installations	6 VSB 4 VF	1 - 500# and 2 - 250# G.P. bombs. Full ammunition.
OROTE PENINSULA & CABRAS ISLAND	Dual purpose guns and heavy anti-aircraft.	12 VSB 6 VF	1000# G.P. bombs. Full ammunition.
PITI TOWN	Buildings and installations	6 VTB 4 VF	4 - 500# G.P. bombs. Full ammunition.
TEPUNGAN TOWN	Buildings and installations (strafe trenches to westward)	4 VTB 4 VF	4 - 500# G.P. bombs. Full ammunition.
ASAN Point, ADELUP Point & knoll to westward	Heavy AA, light AA, machine guns, mortars and defense positions	15 VSB or VTB 6 VF	1000#, 500#, 250# G.P. bombs. Full ammunition.
ASAN TOWN	Buildings and installations	6 VSB or VTB 4 VF	1000#, 500#, 250# G.P. bombs. Full ammunition.
Landing Beaches ASAN Point to ADELUP Point.	Trenches, machine guns and defense positions.	10 VTB 4 VF	10 - 100# G.P. bombs plus H.E. rockets. Full ammunition.
Airfield to eastward of AGANA.	Heavy AA	12 VSB or VTB 6 VF	1000#, 500#, 250#, G.P. bombs. Full ammunition.

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3. It has been requested that VTB scheduled to carry 100# G.P. bombs after HOW Hour on WILLIAM Day, have such bombs armed with 4 - 5 second delay fuzes.

4. The point of origin of all objective air ASP discussed in Appendix 6 to Appendix "1" to Annex "F" to CTF 53 Operation Plan No. A162-44 is Point ABLE, Latitude 26° 30' North, Longitude 144° 37.5' East.

5. In Appendix "2" to Annex "F" to CTF 53 Operation Plan No. A162-44, first two charts following page 3, change TF 53.3 to read TG 53.1, change TF 53 to read TG 53.2.

6. There will be a special Air Coordinator supplied by CTG 53.7 to coordinate the special VF strike, at about H - 8, discussed in Appendix "4" to Annex "F" to CTF 53 Operation Plan No. A162-44.

7. ALL FLIGHT LEADERS OF ALL STRIKES WILL REPORT IN to the Acting Commander Support Aircraft before proceeding to execute any strike mission.

8. Photographic coverage of the west coast of GUAM, both close obliques and verticals will be taken by aircraft from TG 53.7 on WILLIAM minus TWO and WILLIAM minus ONE Days covering areas from airfield east of AGANA westward and southward to BANGI Point including all land areas along the coast. TU 53.7.2 make coverage on WILLIAM minus TWO Day and deliver same to CTG 53.7 prior to 1ØØØ KING of WILLIAM minus ONE Day. CTU 53.7.1 make same coverage in morning of WILLIAM minus ONE Day. At noon of WILLIAM minus ONE Day CTG 53.7 transfer photographs for both days coverage to CTF 53 in APPALACHIAN using one destroyer in his screen for this purpose.

R. L. CONOLLY,
Rear Admiral, U.S. Navy,
Commander Task Force FIFTY-THREE.

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ADDENDA "2" TO ANNEX "F" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

I. Unless otherwise directed, the axis of orientation for Anti-Submarine Patrol Plan No. 1 and No. 2, Appendix 6 to Appendix "1" to Annex "F" to CTF 53 Operation Plan No. A162-44 will be North (000° True).

II. ERRATA: Refer to Addenda "1" to Annex "F" to CTF 53 Operation Plan No. A162-44, paragraph 4. Change to read, "The point of origin (Guide) of all objective air ASP around the GUAM Objective discussed in Appendix 6 to Appendix "1" to Annex "F" to CTF 53 Operation Plan No. A162-44 is Point OBOE, Lat. 13° 26.5' North, Long. 144° 37.5' East". Make necessary changes in Appendix "7" to Annex "F" to CTF 53 Operation Plan No. A162-44, paragraphs F.1., I.1., and K, and on chart, STEVEDORE RADAR REPORTING AID WARNING PROCEDURE.

III. During daylight period on WILLIAM minus ONE day (Preferred Plan) TU 53.7.1 will furnish special CAP and ASP as indicated below:

CAP	For Group or Unit	Fighter Direction
8VF	TG 53.1 (and TG 53.2)	As directed by CTF 53. CAP reports in to MOSCOW Base.
8VF	TG 53.16, 53.17	MURRAY (SATIN Base)
8VF	TU 53.7.1	As directed by CTU 53.7.1

ASP	For Group or Unit	Control
3 ASP	TG 53.1	CTG 53.1
3 ASP	TG 53.2	CTG 53.2
3 ASP	TU 53.7.1	CTU 53.7.1

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ADDENDA "2" TO ANNEX "F" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

IV. On WILLIAM minus ONE day the following special strike will report in to Commander Advance Support Aircraft at ØSØØ KING at Point EASY, at GUAM Objective, for call strike mission (furnished by TU 53.7.1).

Special Strike	Armament
12 VF	Full 50 cal. ammo.
8 VT	Four 500# bombs each, 0.1 sec. nose 0.01 sec. tail fuzes.

R. L. CONOLLY,
Rear Admiral, U.S. Navy,
Commander Task Force FIFTY-THREE.

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ANNEX "G" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

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26 MAY 1944.

MEDICAL PLAN

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1. INFORMATION:

(a) For the purpose of evacuation, patients shall be classified under the following color scheme:

RED - All serious cases and those requiring over two months hospitalization.
BLUE - Those cases requiring over two weeks treatment but less than two months.
WHITE - Those who should be able to return to duty within two weeks.

(b) The RIXEY (APH3) will receive no casualties while with the Northern Attack Group. When unloading has been completed she will be directed to report to Commander Southern Attack Group. She will then be loaded with wounded from units of the First Provisional Marine Brigade and returned to the South Pacific at an appropriate time. Commander Southern Attack Group (CTG 53.2) will inform the Commander Southern Attack Force (CTF 53) when completely loaded giving number of (a) stretcher, and (b) ambulatory cases. While her capacity for serious cases will be fully utilized, it is desired that she carry to SoPac Area as large a number as possible of less serious stretcher and ambulatory patients, otherwise serious cases from the First Provisional Marine Brigade will be returned to Pearl and, insofar as practicable, patients whose early recovery is anticipated, will be returned to SoPac.

(c) Hospital beds will be available both in the Hawaiian and South Pacific Areas.

(d) Transports returning from the forward areas may be designated for emergency evacuation, if services of hospital ships are not available.

(e) APAs designated as Prisoner of War ships will care for casualties among prisoners only.

(f) Civilian casualties will not be evacuated, however, those in need of major surgical operations, as a life saving measure, early in the assault phase, may be treated aboard ships of this Force, then returned to the medical facilities ashore as soon as conditions permit.

(g) Arrangements will be made with KWAJALEIN to receive a limited number of serious cases from TF 53 during the staging period. Effect transfers.

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ANNEX "G" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (Continued):

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2. MEDICAL SERVICES FOR TASK FORCES

(a) APHs, APAs, APDs, AKAs, and APs will provide medical services for their own personnel and embarked troops, assisted by troop medical personnel if available. Be prepared to transfer casualties, fit to be moved, should an AH be made available.

(b) LST's will provide medical services for their own personnel and for embarked troops to the extent practicable. They will be prepared to receive casualties evacuated from the beaches when emergency circumstances demand, in which case additional personnel and supplies will be furnished by transports if needed and upon request. LST 488 is assigned to the Northern Attack Group and LST 446 is assigned to the Southern Attack Group. They have been prepared to act as evacuation ships early in the assault phase and at other times when necessary. These ships will receive and treat casualties from the beaches of their respective Groups during periods when transportation of casualties direct to APA's, AP's and the APH3 is not practicable. They will evacuate casualties received aboard to APA's at every opportunity.

(c) LCT's - When boat pools are established in the forward areas, medical officers of the LCT Groups shall land and take charge of the Boat Pool Dispensaries.

(d) Landing Forces provide medical services for all component parts landed. Landing Force medical personnel while aboard will be integrated into the ships's medical organization.

(e) Beach Party - Shore Party medical sections will cooperate in the care of casualties and in their prompt and timely evacuation as directed by the Beachmaster. They will be responsible for apportioning of casualties to ships with due regard to work load.

(f) The senior medical officer of the Transport Division Flagship will act as Division Evacuation Officer and will supervise the apportioning of casualties in his Division.

The senior medical officer of the Transport Group Flagship will act as Transport Group Evacuation Officer and will supervise the apportioning of casualties among transport divisions. He will inform the medical section of the Beach Parties, as necessary, to facilitate desired distribution.

(g) The MIKE flag will be flown from the foretruck by all APA's, AP's and the APH3 designated to receive casualties. This will include all APA's, AP's and the AH except those APA's designated to receive Prisoners of War and the APH3 prior to reporting to the Southern Attack Group.

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(g) Should the medical services of any ship receiving casualties become overtaxed and/or as an aid to numerical apportioning, she will haul down the MIKE flag. The flag will again be hoisted as soon as the desired effect has been accomplished.

During those periods when casualties cannot be transferred to APAs and APs, and shore-to-ship evacuation of casualties is necessary, LST 488 and LST 446 will fly the MIKE flag to indicate their readiness to receive casualties.

3. MEDICAL FACILITIES:

(a) The average number of casualties that can be handled by APAs and APs is 150 litter and 325 ambulatory; APH3 200 litter and 500 ambulatory; AKAs 15 litter and 50 ambulatory. LSTs 488 and 446 can give temporary care to a maximum of 140 litter cases. All APAs, APs, and the APH3 should be prepared to care for an additional 50 litter and 100 ambulatory cases in an emergency. Emergency redistribution of medical personnel and materiel may be made if necessary.

(b) Each APA carries four (4) medical officers and approximately thirty (30) hospital corpsmen. Each Transport Division Flagship carries five (5) medical officers.

(c) The APs have been provided with additional hospital corpsmen, available either for transfer in the Transport Area as directed by Attack Group Commanders or for use on board in the treatment of casualties.

(d) Each AKA carries one (1) medical officer and approximately seven (7) hospital corpsmen.

(e) LSTs 488 and 446 each have two (2) medical officers, one of whom is a surgeon, and ten (10) hospital corpsmen aboard.

(f) The APH3 (RIXEY) has nine (9) medical officers and fifty (50) hospital corpsmen.

(g) SPECIALISTS:

Surgeons: All APAs, APs, and the RIXEY (APH3) one or more.
Eye Surgeon: APPALACHIAN and RIXEY one (1) each.
Ear, Nose and Throat Specialist: One (1) in RIXEY.
Orthopedic Surgeons: RIXEY (2), GEORGE CLYMER and ZEILIN one (1) each.
Genito-Urinary Specialist: RIXEY, CRESCENT CITY, PRESIDENT MONROE, and WHARTON one (1) each.

ATTACK FORCE MEDICAL OFFICER in APPALACHIAN. During the landing phase he will assist in coordinating medical services and evacuation of casualties.

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SOUTHERN ATTACK GROUP MEDICAL OFFICER in GEORGE CLYMER.

ANNEX "G" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED).

4. MEDICAL LOGISTICS:

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(a) All LST's have been provided with four (4) Medical Resupply Units. They are for the use of any activity which may need them. Emergency transfer of strategic medical supplies from one activity to another is directed.

(b) A constant flow of medical evacuation supplies and equipment to replace that expended on the beaches will be maintained from stocks carried by transports.

Each APA will land forty (40) litters and one-third of their splints with the Beach Party. A litter unit (stretcher, bunk straps, blanket and battle dressings) will be exchanged with each stretcher case received on board, whether Army, Navy or Marine. Transportation plywood splints are intended only for the use of the Landing Force and will be returned promptly for further use ashore.

(c) APA's who have Medical Resupply Units in water proof bags will keep them readily available for transfer to the Beach Party - Shore Party medical sections upon their request.

(d) Emergency supplies may be obtained from ServRon 10 at Kwajalein or Eniwetok, or from Hospital Ships.

5. EVACUATION:

(a) No casualties will be evacuated from the beaches until so directed by the Beachmaster. Casualties occurring in the landing boats will be retained therein and returned to their ships.

(b) The Beachmaster will designate the boats to be used for evacuation of casualties. The Beach Party Medical Section will supervise the proper loading of landing boats and will keep records of patients evacuated to ships

(c) All RED and BLUE casualties will be evacuated from the area.

(d) All WHITE casualties (requiring two weeks or less treatment) will be returned to their organizations in the forward areas when fit for duty.

6. CASUALTY REPORTS:

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(a) Casualty reports from the Transport Division Beach Party Medical Sections will be made by dispatch to Commanders of their Transport Division at 0730 and 1930 daily so long as transports remain in the combat area. Each report will include only those casualties on the beach at the time of the report. Reports will give number of stretcher casualties, total casualties, dead and time of estimate.

(Example: STRETCHER 5 X TOTAL 10 X DEAD 2 X 0730)

(b) Casualty reports from transports to Commanders of their Transport Divisions will be made at 0730 and 1500 daily by flag hoist so long as transports remain in the combat area.

W -- For bed casualties.
X -- For nonevacuables.
Y -- For total on board.
Z -- For dead on board (not previously reported)

(c) Casualty reports from Commanders of Transport Divisions to Commander of Transport Groups will be made at 0900 and 1700 via dispatch giving the total estimate of casualties reported to him, using the following form:

Example: BED 40 X NE 5 X TOTAL 125 X DEAD 5 X 0900.

In addition to above, the 1700 report of casualties listed by ships will be forwarded by special guard boat to the Task Force Commander, if present; otherwise to SOPA . The latter will include total casualties on board transports in the 1800 situation summary dispatch report to CTF 51.

(d) Before transports start return voyage from the theatre of operation, unit or group commander will make reports called for in FIFTH Amphibious Force Circular Letter AL4-44, dated 4 January 1944. Ships returning to SoPac will furnish ComSoPac and Base Commanders the information called for in above reference.

7. CARE OF THE DEAD:

(a) All deaths occurring on the beach whether our own, allied or enemy will remain ashore for identification and burial by the Graves Registration Service of the Landing Force in accordance with CinCPac serial 2042, dated 2 April 1944.

(b) Deaths occurring while ships are in the Transport Area will be returned to the Graves Registration Service ashore for burial.

(c) All deaths occurring at sea, after proper identification and recording, will be buried at sea.

8. PREVENTIVE MEDICAL MEASURES:

(a) Amoebic and bacillary dysentery are endemic ashore, due to use of night soil as fertilizer. No fruits or vegetables will be used from these areas at this time. All water must be chlorinated while in these areas. (CinCPac and CinCPOA serial 2690, 30 April 1944. SUBJECT: Special food and water precautions advance bases Central Pacific Areas).

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(b) All compartments of the ships which may harbor mosquitoes and flies will be sprayed with insecticide immediately on departure from ports in the forward areas and just prior to entering port of embarkation. Ships and troops should obtain supplies of Freon-Aerosol Insecticide bombs before departure from base, as these are more effective than any other known insecticide.

(c) All prisoners of war will have hairy portions of body shaved as soon as possible after being brought aboard ship. They must be required to bathe; and their clothing shall be sterilized and washed before being used again. Ships designated as Prisoners of War ships will draw special stocks of clothing for prisoners as separately directed.

R. L. CONOLLY,
Rear Admiral, U. S. Navy,
Commander Task Force FIFTY-THREE.

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ANNEX "H" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

LOADING PLAN.

1. Task Force 53 will complete loading and embarkation of its naval elements and the THIRD AMPHIBIOUS CORPS during the period 26 May to 3 June, 1944. (Between completion of STEVEDORE rehearsal and departure from the GUADALCANAL area).

2. Commander Task Group 53.2 (Commander Southern Attack Group) will continue in general charge of loading all assault ships, assisted by Commander Task Group 53.3 (Commander Northern Transport Group). Task Groups 53.3 and 53.16 will embark the THIRD MARINE DIVISION (reinforced). Task Groups 53.4 and 53.17 will embark the FIRST MARINE PROVISIONAL BRIGADE and the THIRD CORPS ARTILLERY.

3. Upon completion of the rehearsal landings to be conducted 23-27 May, the status of loading will be as follows:

(a) For all assault shipping, personnel and tonnage assignments will have been made, and in almost all cases loading plans will have been drawn up and approved by transport division commanders.

(b) LSTs:

(1) All tank deck general cargo stowed and dunnaged over.

(2) Reserve Navy ammunition aboard in all but a few cases.

(3) All Non-amphibious vehicles aboard.

(4) Crawler cranes for LSTs own use, beach mats, and propulsion units not already fixed to pontoon barges still to be loaded.

(5) All drummed petroleum products aboard.

(6) Amphibious vehicles aboard, but to be landed temporarily for final servicing.

(7) Troops, except for amphibious vehicle crews, to be embarked just prior to sailing.

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(c) TRANSPORTS:

(1) As much low priority general cargo aboard as was practicable to load during rehearsal loading period.

(2) All combat equipment, vehicles and guns, and balance of general cargo still to be loaded.

(3) Reserve Navy ammunition loaded except for eight inch ammunition that has not yet arrived in GUADALCANAL area.

(4) Troops still to be embarked.

(d) LSDs:

(1) All LCTs and LCMs, with crews, attached to their parent LSDs.

(2) Medium tanks ashore for final servicing.

(e) APDs:

(1) Loaded and demolition personnel embarked.

4. Completion of Loading and Embarkation.

(a) All assault shipping will complete loading of supplies and equipment and embarkation of personnel at times and places designated by Commander Southern Attack Group, assisted by Commander Northern Transport Group and Commander Southern Transport Group.

(b) LSTs will be loaded by 31 May.

(c) Transports, LSDs, and APDs will be loaded by 3 June.

5. REPORTS AND STATISTICS.

(a) Commander Southern Attack Group will report to Commander Task Force 53 when (a) all LSTs of Tractor Groups THREE and FOUR have completed loading and personnel are embarked and

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(b) when all other assault shipping of Task Force 53 has completed loading and personnel are embarked.

(b) Each transport, LST, LSD, and APD will furnish Commander Task Force 53 one copy of its personnel and tonnage tables and loading diagrams.

6. Ships returning from the objective partially or wholly loaded will exercise the same stowage precautions concerning explosives and inflammables as when loading for operations.

7. Appendix 1 to this annex will follow. It will show assignment, to ships of Task Force 53, of principal landing force units and certain special naval units.

R. L. CONOLLY
Rear Admiral, U.S. Navy
Commander Task Force FIFTY-THREE

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APPENDIX "1" TO ANNEX "H" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

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The following table indicates assignments of assault ships to task groupings and the principal troop and naval units embarked between staging area and objective. Small detachments of embarked units are not listed. For complete lists of personnel embarked see First Provisional Marine Brigade embarkation order and Third Marine Division embarkation plans. For complete lists of cargo see ships loading plans.

TASK GROUPINGS	NAVAL COMMANDERS	SHIP UNITS	EMBARKED UNITS	EMBARKED COMMANDERS
TASK FORCE 53	R.Adm. CONOLLY in APPALACHIAN	See task organization	THIRD PHIB CORPS	Maj Gen GEIGER in APPALACHIAN
A. Northern Attack Grp TG 53.1		Force Flagship Northern Trans Grp Tractor Grp THREE	THIRD MARINE DIV (reinforced)	
1. APPALACHIAN	Capt FERNALD		Hq. CTF 53 Hq. III Phib Corps CG, Corps Arty Air Support Comdr	 Brig. Gen DE VALLE Comdr MILLER
2. Northern Trans Group TG 53.3	Capt BUCHANAN in DU PAGE	Trans Divs 2,8,24 LSD Div ONE Recon and Demolition Unit	THIRD Mar Div (less assault units in LSTs)	Maj Gen TURNAGE in DU PAGE
a. TransDiv 24 TU 53.3.3		3 APAs 1 APH 1 AKA	Hq Co, 3rd MarDiv Div Troops 21st Marines (less assault units in LSTs) Dets, 19th Mar (Engr) Dets, 12th Mar (Arty)	 LtCol BUTLER in DU PAGE

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(1) DUPPAGE (F)	Capt. WAUCHOPE	Div Hq Co.	LtCol BARKLEY
		Div Serv & Sup Co	
		Div Sig Co	
		Det, JASCO	
		Div MP Co	
		Det, Reconn Co	
		Det, H&S, 12th Mar	
		H&S, 3rd Bn, G Btry, 12th Mar	
		Det, H&S. 19th Mar	
		Det, Co D, 3rd Med Bn	
		6" Ammo for CLs	
(2) WAYNE	Comdr COOPER	1st Bn, 21st Mar	LtCol WILLIAMS
		Det, H&S, 21st Mar	
		H&S, 4th Bn, 12th Mar	
		Dets, Cos B,E,H, 19th Mar	
		Dets, Cos B&D, 3rd Med Bn	
		Fwd Obs, 12th Mar	
		Det, JASCO	
		8" Ammo for CAs	
(3) ELMORE	Comdr HARRISON	2nd Bn, 21st Mar	LtCol SMOAK
		H&S, 21st Mar	
		Dets, HqCo 2nd Bn, Cos B & H, 19th Mar	
		FOs, 2nd Bn, 12th Mar	
		Det, JASCO	
		Det, Co B, 3rd MT Bn	
		Ordance Co	
		8" Ammo for CAs	

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APPENDIX "1" TO ANNEX "H" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED).

(4) RIXEY	Comdr JENKINS		Det, 4th Bn, 12th Mar Dets; Hq Co 2nd Bn, Cos B,E,H, 19th Mar Det; JASCO Det; H&S Co, 21st Mar Det; Regt Wpns, 21st Mar FOs; 2nd Bn, 12th Mar Det; Ammo Co Det; Ord Co Det, 3rd Bn, 21st Mar	
(5) AQUARIUS	Capt MARRON		Det, Hq Co 3rd Bn, Cos B&H, 19th Mar Det; Co B, 3rd Tank Bn Det; Regt Wpns, 21st Mar Det, Co B, 3rd MT Bn Depth Charges	Capt CERUTTI
B. Trans Div 2 TU 53.3.1	Capt BAKER in JACKSON	3 APAs 1 APH 1 AKA	9th Mar (reinf)(less assault units in LSTs) Div Troops Dets; 19th Mar (Engr) Dets; 12th Mar (Arty) Dets; JASCO Dets, 14th Def Bn Garrison Units	Col CRAIG in PRES JACKSON

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APPENDIX "1" TO ANNEX "H" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED).

(1) PRES. JACKSON	Capt JUNKER	H&S, 9th Mar 2nd Bn, 9th Mar----------LtCol CUSHMAN Dets, Cos A,D,G, 19th Mar Det JASCO Det, Co A,3rd Tk Bn Det, Regt Wpns,9th Mar Det, Co A, 3rd MT Bn 8" Ammo for CAs
(2) PRES. ADAMS	Capt. ERWIN	Det, H&S, 9th Mar Det, Regt Wpns, 9th Mar Dets, Cos A,D,G, 19th Mar Det, JASCO Det, 2nd Av Engr Bn Det, DUKW Co Det, 1st Arm Amph Bn Det, 3rd Amph Trac Bn Det, Ammo Co
(3) PRES. HAYES	Comdr SCHIEKE	1st Bn, 9th Mar---------- LtCol RANDALL Det, Regt Wpns, 9th Mar Dets, Cos A,D,G, 19th Mar Det, JASCO FOs, 1st Bn, 12th Mar Det, Div Hq Co Det, Div Sig Co 6" Ammo for CLs

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((4) PRES. MONROE	Comdr PAYNE		2nd AvEngrs Det, 14th Def Bn Garrison Beach pty Det, Div Serv Grp Det, Co A, 3rd MT Bn Det, H&S, 12th Mar Det, Cos A,E, 3rd Med Bn Hq Co, 3rd Serv Bn Det, 1st Bn, 12th Mar Det, H&S, 19th Mar Det, Corps Sig Bn	
(5) TITANIA	Comdr GERGER		Det, H&S, 19th Mar Det, 14th Def Bn Det, Reconn Co Det, Corps Sig Bn	
c.Trans Div 8 TU 53.3.2	Capt TALBOT in CRESCENT COTY	3 APAs 1 AP 1 AKA	3rd Mar (reinf)(less assault units in LSTs) Div Troops Dets, 19th Mar (Engrs) Dets, 12th Mar (Arty) Dets, JASCO VMO-1	Col HALL in CRESCENT CITY
(1) CRESCENT CITY	Comdr ROWE		Det, H&S, 3rd Mar Det, Regt Wpns, 3rd Mar Hq Co, 25th CB Det, Co C, 3rd MT Bn Det, Co C, 3rd Med Bn Half, H&S, 12th Mar Dets, 1st & 2nd Bns, 12th Mar Det, 2nd Spl CB	

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APPENDIX "1" TO ANNEX "H" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED).

(2) WARREN	Comdr MC HALE	Det, Regt Wpns, 3rd Mar Dets, Cos C,F,I, 19th Mar Det, 1st Bn, 12th Mar Fwd Obs, 3rd Bn, 12th Mar Det, JASCO Det, 2nd Av Engr Bn Det, 2nd Spl CB Dets, H&S, 3rd MT Bn Det, H&S, 3rd Tank Bn Det, Mar Air Warn Sq #2 Det, ARGUS #17	
(3) WINDSOR	Comdr WOODWARD	2nd Bn, 3rd Mar - - - - - - - Det, 2nd Bn, 12th Mar FOs 3rd Bn, 12th Mar Det, JASCO Det, Regt Wpns, 3rd Mar Dets, Cos C,F,I, 19th Mar 8" Ammo for CAs	LtCol DE ZAYAS
(4) WHARTON	Capt. FALLON	Det, Regt Wpns, 3rd Mar Det, H&S, 3rd Mar Dets, Cos C,F,I, 19th Mar Det, 2nd Bn, 12th Mar FOs, 3rd Bn, 12th Mar Det, JASCO Det, Div Serv Grp	
(5) LIBRA	Capt FERRIS	Det, 2nd Bn, 12th Mar Det, Co B, 3rd Tk Bn Det, Cos C,F,I, 19th Mar	Lt. DAVIDSON

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d. LSD Div ONE TU 53.3.4	Comdr MARTIN in EPPING FOREST	2 LSDs 2 LCTs	3rd Tank Bn - 40 Med Tks Boat Pool #16 - 28 LCMs	Lt. Col WITHERS in EPPING FOREST
(1) EPPING FOREST	Comdr MARTIN	1 LSD 1 LCT (#945)	Det, 3rd Tk Bn - 20 Med Tks Det, Boat Pool - 14 LCMs Gasoline bowser boat	
(2) GUNSTON HALL	Comdr COLLINS	1 LSD 1 LCT (#969)	Det, 3rd Tk Bn - 20 Med Tks Det, Boat Pool - 14 LCMs Gasoline bowser boat	
e. Reconn and Demolitions Unit TU 53.1.2	Lt. Comdr WILHELM in DICKERSON	1 APD	Naval Underwater Demolitions Team #3	Lt. CRIST
3. Tractor Group THREE TG 53.16	Capt CARTER in STEMBEL	16 LSTs 1 ARL	Assault troops 3rd Div 3rd Amph Trac Bn 1st Arm Amph Bn	Assault Bn COs
(1) LST 207	Lt. INGALLS		3rd Bn, 3rd Mar Det, 3rd Bn, 12th Mar	Lt. Col HOUSER
(2) LST 247	Lt. CONVERSE		3rd Amph Trac Bn - 49 LVT (1)&(2)	
(3) LST 123	Lt. BYRON		1st Arm Amph Bn - 10 LVT (A)(1)	
(4) LST 118	Lt. LUNDBERG		DUKW Co - 15 DUKWs LST 118 - Notes 3 & 5 LST 123 - Notes 2 & 6 LST 247 - Note 2 LST 207 - Notes 3 & 6	

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APPENDIX "1" TO ANNEX "H" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED).

(5) LST 399	Lt. FABRE	1st Bn, 3rd Mar Det, 3rd & 4th Bn, 12th Mar 3rd Amph Trac Bn - 48 LVT(1)7(2) 1st Arm Amph Bn - 10 LVT(A)(1) DUKW Co - 15 DUKWs LST 343 - Note 1,6. LST 220 - Note 2. LSTs 343, 399, 499 - Note 3. LST 339 - Note 6. LST 449 - Note 5.	Major APPLINGTON
(6) LST 343	Lt. RIGHTMEYER		
(7) LST 220	Lt. GOODE		
(8) LST 449	Lt. LISLE		
(9) LST 117	Lt. PRAS	3rd Bn, 21st Marines 3rd Amph Trac Bn - 48 LVT(1)(2) 1st Arm Amph Bn - 12 LVT (A)(1) DUKW Co - 12, DUKWs LSTs 70, 117 - Note 3 LST 219 - Note 2. LST 70 - Note 6	LtCol DUPLANTIS
(10) LST 70	Lt. POLLOCK		
(11) LST 447	Lt. JUNGERHELD		
(12) LST 219	Lt. COLLIER		
(13) LST 488	Lt. MACKEY	3rd Bn, 9th Mar 3rd Amph Trac Bn - 47 LVT(1)&(2) 1st Arm Amph Bn - 9 LVT(A)(1) DUKW Co - 18 DUKWs Det, 4th Bn, 12th Mar LSTs 488, 125 - Note 6 LSTs 241, 269 - Note 5	LtCol AZMUTH
(14) LST 125	Lt. TENNEY		
(15) LST 241	Lt. SHAW		
(16) LST 269	Lt. FINCH		
(17) ARL 3 AGENOR	Lt. Comdr ROENICKE	Boat Pool Repair Presonnel Fuel for boat pool	

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APPENDIX "1" TO ANNEX "H" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED).

B. Southern Attack Group TG 53.2	R Adm REIFSNIDER in CLYMER	Southern Trans Group Tractor Group FOUR	1st Prov Mar Brig (reinf) Corps Arty Corps Troops Garrison Units	Brig Gen SHEPHERD in CLYMER
.. Southern Trans Group TG 53.4	Capt MC GOVERN in ZEILIN	TransDivs 4,6 LSD CARTER HALL Reconn and Demolition Unit	1st Mar Prov Brig (less assault units in LSTs) Corps Arty Corps Troops Garrison Units	
a. TransDiv 4	Capt MC GOVERN	3 APAs 1 AP 1 AKA	4th Mar (reinf)(Less assault units in LSTs) Corps Arty Corps Troops Brig Troops Garrison Units	Lt. Col SHAPLEY in ZEILIN
(1) ZEILIN	Comdr FITZPATRICK		Hq Co, 4th Mar 2nd Bn, 4th Mar - - - - - - - Hq Gp, Corps Arty Gp 5th Fld Depl less det Sec 2, Corps Sig Bn Det, Co C, Corps MT Bn Det, PH Bn, 4th Mar 6" Ammo for CLs	LtCol HALTIGAN Maj Gen LARSON
(2) ORMSBY	Capt FRISCO		1st Bn, 4th Mar Det, PH Bn, 4th Mar Sec 1, Corps Sig Bn Det, 5th Fld Dep Det, Corps H&S Bn Brig Sig Co, less det 8" A[illegible] CAs	Maj HARRIS

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(3) GEO CLYMER	~~Capt~~ FARR		Brig Hq Co, less dets 3rd Bn, 4th Mar- Det, PH Bn, 4th Mar Det, Brig Sig Co Det, 2nd Ammo Co Dets, 4th & 22nd Mar Tk Cos 10 Med Tks 8" Ammo for CAs	LtCol PAYNE (relief air sup comdr)
(4) PRES. POLK	Comdr BALLREICH		Corps H&S Bn less dets 1st 155 (HOW) less dets Det, Brig Sig Co 53rd CB less dets Spl Wpns, 9th Def Bn Air Warn Co 726 Det, Brig Hq Co Det, Air Warn Co 746 Det, 7th 155 Bn (gun)	Lt. Col STEPHENSON
(5) VIRGO	Comdr MC LAUGHLIN		Det, 1st 155 Bn (HOW) Det, 53rd CB Det, Comm Unit 41 Depth Charges 6" Ammo for CLs	Major FORD
b. TransDiv 6 TU 53.4.2	Capt BRITTAIN in FAYETTE	4 APAs 1 AKA	22nd Mar (reinf)(Less assault units in LSTs) Corps Troops Brigade Troops Garrison Units Dets, JASCO	Col SCHNEIDER in FAYETTE

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APPENDIX "1" TO ANNEX "H" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED).

(1)	FAYETTE	Comdr LESTER		H&S, 22nd Mar 3rd Bn, 22nd Mar-----Maj SHISLER 2nd Plat, Brig MP Co Det, 5th Fld Dep Replac Co less dets 8" Ammo for CAs
(2)	LEEDSTOWN	Comdr BYE		2nd Bn, 22nd Mar less dets det, H&S, 22nd Mar 22nd Mar PH Bn Det, 5th Fld Dep Det, Comm Unit 41 Det, Sec 3, Corps Sig Bn Det, Med Co, 22nd Mar Det, Replac Co
(3)	BIDDLE	Comdr BROWN		1st Bn, 22nd Mar less dets Det, 5th Fld Dep Det, Corps Med Bn Det, Replac Co
(4)	HARRY LEE	Comdr POMEROY		Spl Wpns Grp, 9th Def Bn Corps Med Bn less Dets 7th 155 MM (Gun) less dets Det, H&S Bn III Corps
(5)	CENTAURUS	Capt MC CABE		Det, 7th 155 Bn (gun)-----Maj HEELY Det, 53rd CB
c.	CARTER HALL	Lt. Comdr HARRIS	1 LSD 1 LCT (#971) [illegible]	4th and 22nd Mar Tk Cos-----Capt CALCUTT [illegible] - 20 Med Tks [illegible] LCMs

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APPENDIX "1" TO ANNEX "H" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED).

d. Reconn and Demolition Unit	Lt. Comdr MORGAN	1 APD	Underwater Demolitions Team # 4	LT. CARBERRY
2. TRACTOR GROUP FOUR. TG 53.17	Comdr MC FALL In BLACK	16 LSTs	Assault troops of 4th and 22nd Mar 4th Amph Trac Bn 1st Arm Amph Bn DUKW Co.	Assault Bn Commanders
(1) LST 481	Lt. MC GUIRE		2nd Bn, 4th Mar - - - - - - - - Maj MESSER 4th Amph Trac Bn-54 LVT(2) (LST 221)	
(2) LST 227	Lt. MOINAR		1st Arm Amph Bn-14LVT(A)(1) LST 227 - Note 2&6	
(3) LST 221	Lt. CHURCH		LST 221 - Note 3 LST 122 - Note 1,5&3	
(4) LST 122	Lt. PIRIE		LST 481 - Note 2	
(5) LST 477	Lt. SEALE		1st Bn, 4th Mar - - - - - - - Maj GREENE 4th Amph Trac Bn - 43 LVT(2) (LST 276)	
(6) LST 482	Lt. WHARTON		1st Arm Amph Bn - 8 LVT (A)(1) LSTs 477, 482, 276 - Note 3	
(7) LST 276	Lt. BERGEAUS		LST 276 - Note 6	
(8) LST 38	Lt. CHURCHILL		DUKW Co - 20 DUKWs 4th Mar PH Bn 15 75 MM PHs LST 38 - Note 6	Maj ARMSTRONG
(9) LST 446	Lt. ADAMS		1st Bn, 22nd Mar - - - - - - LtCol FROMHOLD 4th Amph Trac Bn - 43 LVT(2) (LST 479)	
(10) LST 243	Lt. BLASKE		1st Arm Amph Bn - 8 LVT (A)(1) LSTs 243, 446 - Note 2	
(11) LST 479	Lt. BUKER		LST 479 - Note 3	

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APPENDIX "1" TO ANNEX "H" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED).

(12) LST 41	Lt. DUNDEN	Co C, Corps MT Bn - 20 DUKSs Maj MAHONEY 22nd Mar PH Bn Bn - 12 75 MM PHs
(13) LST 78	Lt. SMITS	2nd Bn, 22nd Mar - - - - - - - -LtCol HART
(14) LST 478	Lt. MC CORMICK	4th Amph Trac Bn - 41 LVT(2) (LST 478) 1st Arm Amph Bn - 10 LVT(A)(1)
(15) LST 270	Lt. BARBER	LST 78 - Note 3 LST 270 - Note 4 LST 478 - Note 2,5
(16) LST 476	Lt. BOYER	4th Ammo Co Det, Comm Unit 41 Dets, Tk Cos - 3 Med Tks Pier Material LST 476 - Note 6

Notes

Note 1; 500 drums AVGAS for seaplane reservicing.
Note 2; 40 MM, 20 MM, 50 Cal rockets for Navy.
Note 3, 5" 38 Cal ammo for Navy
Note 4; 50 Cal A/C ammo for airfield.
Note 5; Pontoon Causeways
Note 6, Pontoon Barges

R. L. CONOLLY
Rear Admiral, U.S. Navy
Commander Task Force FIFTY-THREE

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ANNEX "I" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

27 May, 1944

1. GENERAL. Unloading Plan.

(a) Unloading of supplies and equipment of the assault forces at STEVEDORE will be conducted initially over the landing beaches taken by the assault forces. As better beaches and harbor facilities become available, unloading will be shifted to new points. As early as the tactical situation will permit, APRA Harbor will become the principal unloading area. In general, the northern part of APRA Harbor will be used for the logistic support of the THIRD MARINE DIVISION and the southern part for the FIRST PROVISIONAL BRIGADE. Garrison forces will be unloaded at the best available points within the harbor, not, however to interfere with high priority supplies and equipment for assault troops. The rehabilitation and commissioning of the first air strip for fighters will be given high precedence.

(b) Assault troops and as much as practicable of assault equipment will be landed by amphibious tractors. Until landing craft can reach the shore, supplies will be transferred from boats and pontoon barges to amphibious vehicles or unloaded by trucks across the reef at low tide. DUKWs will be used primarily for landing artillery and ammunition, secondarily for food, water and gasoline. Pontoon barges will be used to form a floating supply of ammunition and other high priority supplies, to land shore party heavy equipment, and to refuel amphibious vehicles and planes. Following the initial landings, pontoon causeways, if practicable, will be placed across the reefs. Existing channels will be improved and new channels blasted through the reef to permit landing craft, particularly LCMs and pontoon barges to approach close to the beach at high tide and to unload directly onto the shore. Palletized supplies will not be unloaded from ships until directed by transport division beachmasters. Landing of supplies and equipment, beyond that scheduled in the assault waves, will be strictly controlled off the beaches by the transport division beachmasters and will be limited to that material set forth in established unloading priority lists or called for by the troop commanders, acting through the shore party commanders.

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ANNEX "I" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

2. DIVISION OF RESPONSIBILITY

The responsibilities of the various elements of the task force in regard to unloading are set forth in Section II of Chapter II, FTP 167. Certain features bear reiteration.

a. Commander Task Force 53 is responsible for the capture of the objective and is therefore responsible for the successful unloading of the task force as a whole and of the Northern Attack Group in particular. Commander Southern Attack Group is charged with the successful landing and unloading of the Southern Attack Group.

b. Transport Group Commanders, acting through their division commanders and beachmasters are responsible for the delivery of all supplies and equipment from the ships to the shore party at the reef or beach. They are also responsible for the operation and control of all craft engaged in delivery of cargo from ships to shore. The Navy is responsible for control but not operation of troop amphibious vehicles while afloat.

c. The Landing Force Commanders acting through their shore party commanders are responsible for the movement of all supplies and equipment from the landing craft, and from ships at docks or beached, to the inshore dumps. They will provide adequate ship board working parties to handle cargo in ships at docks or at anchor.

d. The Corps Shore Party will assimilate the major units of the Brigade and Division shore parties after Port APRA is captured. It will then operate all shore side activities including docks and beaches, the breakwater and other unloading facilities. When the Corps Shore Party assumes control of all unloading activities, both division and brigade, the senior transport group beachmaster, Captain STRONG will assume control of all Navy unloading activities (except in the ships) and when the port of APRA is captured he will be Acting Port Director. During the amphibious phases of the operation the acting Port Director under the direction of the Deputy Attack Force Commander (Rear Admiral [redacted]) will take charge of all water traffic within the harbor and direct the movement of all craft, and shipping, and assign berths.

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ANNEX "I" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

3. BEACHES AND HARBOR.

(a) ASAN Beach, over which the THIRD MARINE DIVISION will land, has a reef extending 200 - 500 yards from shore over which LCVPs may be able to pass at high tide. At ASAN there is a small channel through which LCMs possibly may pass to within 100 feet of the shore. Reconnaissance, as prescribed by the "Reconnaissance and Beach Demolition Plan", will be conducted before the landing, and ASAN Channel will be improved by demolitions as practicable. An improved roadway parallels the shore. The terrain rises abruptly inshore from this roadway, but there are numerous possible sites for dumps within 500 yards of the shore. Until ASAN Beach has been developed, unloading will be limited to amphibious vehicles and such tanks and vehicles as may be driven over the reef or landed through ASAN Channel. After the shore has been secured at AGANA and at TEPUNGAN, the channels at both places can be used to unload LCMs and barges close to the shore.

(b) At TEPUNGAN, just southwest of ASAN Beach, there is a channel reported five feet deep where LCMs and pontoon barges should be able to get within 100 yards of shore. This area will be reconnoitered and if practicable to improve it by laying a causeway or beach mat over the reef, or if vehicles may be driven across the reef at low water, it will be used. TEPUNGAN is on the coastal road, and there are numerous possible sites for dumps in the vicinity.

(c) AGAT Beach, over which the FIRST MARINE PROVISIONAL BRIGADE will land, has a continous reef extending 300 - 500 yards from shore, over which LCVPs may be able to pass at high tide. Until AGAT Beach is developed, unloading will be limited to amphibious vehicles and such tanks and vehicles as may be driven over the reef. This is probably the best reef on the island. An improved road parallels the shore. The terrain rises gradually. There are numerous possible sites for dumps not far inshore.

The reef between APAGA Point and NEYE Island just north from AGAT Beach is narrowest of any in this area and this appears to be the best potential unloading beach. This stretch of beach and its approaches will be reconnoitered as

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soon as possible, and if suitable, put into use as soon as captured and workable. LSTs should be able to beach and unload along this stretch of beach.

(d) APRA HARBOR (NORTH)

(1) PITI, southwest of ASAN Beach, may be reached by a small channel, reported five feet deep, running into APRA Harbor. Barges and LCTs will probably be able to traverse this channel and the PITI Mole will be used for unloading. The causeway from CABRAS Island to PITI blocks this channel to craft approaching from the ASAN Beach direction.

(2) Along the North side (LUMINAO Reef) at APRA Harbor there is a long breakwater over which vehicles may pass. It is planned that this breakwater will be the principal LST unloading point inside the harbor. This breakwater is built on top of the reef, so that demolition work may be required to soften the edge of the reef to permit landing craft and barges to unload there. Pontoon causeways may be placed next to the breakwater to aid the unloading. In the event the causeway connecting CABRAS Island and PITI is destroyed, it must be repaired promptly because it is the only exit from the breakwater and the adjacent oil dock, both of which will be main unloading points.

(3) The oil dock adjoining the breakwater appears to be a good unloading point for an AKA. Some repairs may be necessary to permit this. If not in use by an AKA, several LCMs and barges may unload simultaneously at the oil dock. A depth of 30 feet is reported alongside the oil dock. Hydrographic survey will be conducted to ascertain this.

(e) APRA HARBOR (SOUTH)

(1) SUMAY is connected to APRA Harbor by a channel through which craft as large as LCTs may reach the sea plane ramp and dock at the SUMAY Sea plane base. There are improved roads leading away from the SUMAY Area to the south. SUMAY is not expected to be captured until W plus 3.

(2) At Fort Santa Cruz there is an incomplete shallow channel leading to the extreme south part of the harbor. If this is deep enough, landing craft possibly may pass through and unload near the road at the south side of the lagoon. Reconnaissance will be conducted to determine feasibility of this method.

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(f) During the Amphibious phases of this operation APRA Harbor will be controlled by the Attack Force Commander operating through his deputy commander, Rear Admiral REIFSNIDER.

3. DEMOLITION UNITS

The duties of demolition units are set forth in the "Reconnaissance and Beach Demolition Plan", Annex "J". Before the landings they will reconnoiter the beaches and report their findings concerning ASAN and AGAT beaches to their respective Attack Group Commanders so that the information contained in Paragraph 2 (above) will be enlarged. During the unloading phase demolition teams will continue to operate under their respective Transport Group Commanders, but as directed by the transport group beachmasters. Their principal duty will be to assist the beachmasters by locating the best passages to the shore and improving the passages found. The Hydrographic Survey Units will coordinate their activities with the demolition units. The Underwater Demolitions Teams will be reinforced and assisted by the 53rd CBs and aviation engineers should the need arise.

4. GARRISON BEACH PARTY

The beachmaster, B4D unit and communications section of the garrison beach party are included in the attack force in order that they may be thoroughly acquainted with the local unloading conditions, and be established on shore in readiness to function upon arrival of garrison shipping. The garrison beachmaster will determine, on the spot, the best unloading positions and will set up his post in the best position from which to control the flow of garrison unloading traffic. He will function under the direction of the senior transport group beachmaster (acting port director) from the time the harbor is first used for unloading until the island garrison force relieves the acting port director. The garrison beach party will then revert to garrison control.

5. SELF-PROPELLED PONTOON BARGES.

(a) Four self-propelled 3 x 7 pontoon barges will be side-carried on each of the following LSTs:

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(1) Northern Attack Group--LSTs 343, 399, 488, 70, 123, 125, 207.

(2) Southern Attack Group--LSTs 38, 227, 276, 476.

(b) These barges are rated at 50 tons capacity, bulk cargo in quiet water. Their capacity will be much less in rough water and when loaded with vehicles. Commanding Officers of transports will exercise care that barges are not overloaded. The 1039th Construction Detachment will operate and service all barges during the amphibious stage and will be relieved of them by Lion 6 when that organization is established ashore. Unloaded these barges draw 1½ feet forward, 2½ feet at the propellor. Loaded they draw 2½ feet and 3½ feet respectively. The propellor may be raised until it is higher than the bottom of the barge, at a loss of efficiency.

(c) Pontoon barges will be launched upon order of the transport group commanders, acting through the tractor group commanders after assault troops in amphibious vehicles have cleared the LSTs.

(d) Barges will be employed initially -

(1) To land shore party equipment and vehicles as early as the tactical situation permits.

(2) To assist in refueling cruiser and battleship observation planes (one barge).(See Annex "F", Appendix "4".)

(3) To assist in refueling amphibious vehicles and barges.

(4) To establish a floating supply of readily available high priority supplies near the beach.

(e) Each transport group commander will draw up a schedule for pontoon barges to accomplish tasks shown in 4(a) and 4(d) above, detailing barges to report to receive cargo and equipment according to the needs of the landing force. Loaded barges will report to transport division beachmasters to be on call with their loads when needed. Initially

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amphibious vehicles will effect the transfer of supplies across the reef. Vehicles will be driven or towed across the reef. After initial cargo is unloaded from barges, they will operate as lighters as directed by transport division commanders.

(f) Since transports will probably get under way for the night, transport division commanders should load the barges before night-fall for shore parties to unload during the night.

(g) Each barge will be despatched from its parent LST with sufficient fuel to operate 24 hours, and emergency rations for three days. Transports must refuel barges and feed their crews while barges are alongside.

(h) Pontoon barges may be called upon to perform other duties, such as acting as camels between fueling ships.

6. BEACH MATS.

Three extra-heavy woven wire beach mats will be loaded on each LST. These are of value when placed across shallow reefs. Each mat weighs about four tons, is 12 feet by 20 feet in area. When the shore parties find sections of reef over which these mats may be placed, they will remove them from beached LSTs and lay them across the reef. These mats may be stretched over "pot holes" in the reef, and will provide traction for wheeled vehicles crossing slippery parts of the reef.

7. PONTOON CAUSEWAYS

a. One pair of 2 by 18 pontoon causeways will be side-carried by each of the following LSTs:

Tractor Group THREE	Tractor Group FOUR
LSTs 269, 118, 241, 449.	LSTs 122, 478.

b. A 2 by 18 causeway consists of two sections each two cubicles wide and eighteen cubicles long. Each section is 14

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feet wide and 100 feet long. Unloaded it will draw 1½ feet. The inshore section of each pair is rigged to receive a ramp.

c. Causeways will be used for crossing the reefs where and in such manner as directed by the transport group beachmaster concerned. They may be floated over the reef with the assistance of a DUKW or LVT and placed singly, side by side, end to end, or overlapping depending on the width of the reef encountered. Within the harbor several sections may be placed side by side parallel to the breakwater. If not required to be used for crossing reefs they may be used as finger piers, temporary storage points for cargo, or by lashing four sections together and mounting propulsion units to produce a large self-propelled barge. If a permanent site is chosen causeways may be flooded in their positions.

d. The 1039th Construction Detachment will operate the causeways with crews of 14 per pair. Causeways will be launched on order of transport group commanders and beached as directed by transport group beachmasters and placed as they directed.

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Commander Task Force FIFTY-THREE

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21 May 1944.

RECONNAISSANCE AND BEACH DEMOLITION PLAN

TASK ORGANIZATION

(a) Task Force 53 Demolition Unit — Lieut. G. W. Carberry

(1) Underwater Demolition Team No. 3 — Lieut. T. C. Crist

(2) Underwater Demolition Team No. 4 — Lieut. G. W. Carberry

1. Information

(a) Annex "L" to Commander Joint Expeditionary Force Operation Plan A10-44 (Underwater Demolition Plan).

(b) Underwater Demolition Teams Nos. 3 and 4, less the post-assault explosives and equipment, will be transported to the objective in and operate from APD's which will proceed to the objective with Bombardment Group Two. The remainder of the equipment, explosives, and personnel will be transported to the objective in AKA's of the transport groups.

(c) Assignment to ships is as follows:

	Assault Echelon	1st Reserve Demolition Explosives
UDT No. 3	APD [redacted] Dickerson	AKA 12 LIBRA
UDT No. 4	APD 7 TALBOT	AKA 17 CENTAURUS

2. Tasks.

Tasks assigned the Underwater Demolition Teams are divided into the following three Phases:

(a) Pre-Assault Phase:

(1) Daylight reconnaissance during morning of D plus 1 Day of the seaward approaches to beaches at ASAN and AGAT to determine the existence of natural and constructed underwater obstacles and anti-boat mines.

(2) Removal of obstacles and mines during afternoon and night of D plus 1 day. Mark obstructions and best lanes of approach to beaches.

The rows of obstructions, if they cannot be entirely cleared from the way of the landing beaches, in the time available, will be breached at frequent intervals to seaward of all the landing beaches in order that the AmTrack waves will have a number of avenues of approach instead of being restricted into single larger openings.

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IF W-DAY IS D PLUS 3 DAY, THERE WILL BE AN ADDITIONAL DAY (D PLUS 2 DAY) ON WHICH PRE-ASSAULT RECONNAISSANCE AND DEMOLITION MAY BE CONDUCTED, SUPPORTED BY BOMBARDMENT GROUP TWO.

(3) On D plus 2 day, conduct reconnaissance and limited demolitions on reefs off TUMON BAY and DADI BEACH to create diversions from true landing beaches and to furnish information which will be of value later. Proceed with removal of underwater obstacles and anti-boat mines during daylight and night of D plus 2 day off the true landing beaches.

(b) Assault Phase:

(1) Beginning at daylight on W-Day, assist the ship-to-shore movement by continuing the demolition of obstacles and maintaining buoyed channels marking the best approaches for AmTracs and for LCM's, LCT's and for passage of medium tanks across the reef to the beach.

(c) Unloading Phase:

(1) Underwater demolition to clear obstructions and permit access by all types of craft and ships to the maximum number of unloading points, first at the landing beaches, next at the adjacent beaches as they are secured, and last inside the harbor.

3. (a) Pre-Assault Phase.

(1) UDT's Nos. 3 and 4 will proceed to the objective in DENT and TALBOT respectively, and will carry out the following general plan of Reconnaissance and Beach Demolition under the direction of Commander Bombardment Group TWO.

(2) At daylight, D plus 1 Day, UDT No. 3 in DENT and UDT No. 4 in TALBOT arrive off ASAN and AGAT Beaches respectively.

Tidal conditions for probable dates of reconnaissance are as follows: (King Time (-10)

Date	High Water AM		High Water PM		Low Water AM		Low Water PM	
	Time	Feet	Time	Feet	Time	Feet	Time	Feet
D/1	0354	2.7	1657	2.3	1042	0.6	2227	1.1
D/2	0430	2.7	1810	2.5	1127	0.4	2323	1.3

(3) Reconnaissance parties from each APD embark in two LCP's and proceed inshore and reef

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During daylight reconnoiter the outer edge of the reef between the limits of the lanes of approach from the respective lines of departure. It is important that conditions be observed during the period from 3½ to 4½ hours after high water and particular note made of any spots where water is deep enough (4 ft) to permit LCVP or LCM's to pass over the outer edge of the reef. Such spots must be clearly marked with buoys. Furthermore, observation must be made from about 5 hours after high water to low water to determine good landing points on the outer reef edge for LCM's and LCT's which give access to paths across reef which are shallow enough to permit medium tanks to cross. These landing points and tank paths must be marked.

Each reconnaissance party will carry rubber boats in the LCP and, assuming the LCP can approach no nearer the beach than the outer edge of the reef, the parties will go in onto the reef in rubber boats or by wading.

The LCP will run out a safety line attached to the rubber boat to assist the latter's return to the LCP.

The extent of the reconnaissance towards the beach must be at the discretion of the officer in charge, depending on the extent of resistance encountered. The mission is to locate and mark with buoys the best approaches, and to observe and mark obstacles, natural or constructed, to be removed by blasting subsequently. Planes from the ships of the bombardment group can and should be used to assist the reconnaissance parties in locating obstructions and channels.

After the reconnaissance parties have returned to the APD and reported results, demolition parties with explosives will embark in as many boats as the officer in charge of the Demolition Team feels can profitably be employed. Blasting of obstructions and coral pinnacles will be carried out during the afternoon of D plus 1 day and, if necessary, during that night.

Reports.

It is essential that a full report of conditions found by the reconnaissance and the results achieved by the demolitions, be radioed to the respective Attack Group Commanders as soon as practicable after completion of each day's mission. This information will be disseminated by them to Transport Group and Landing Force Commanders.

Gunfire and Air Support - Smoke Cover.

Ships and aircraft of the Bombardment Group will cover the reconnaissance and demolition parties with gunfire and bombing as directed by Commander Bombardment Group. The plan should include at least two destroyers off each beach in close support, from positions just off the reef to silence harassing enemy gun and machine gun fire from point blank range. The plan should also provide for smoking off the shore batteries and beach defenses by plane laid smoke and white phosphorus shells.

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During the delivery of night supporting fire, star shells must be fired in such a manner as will not illuminate demolition teams at work.

Diversion Reconnaissance.

Provided W-Day is set as D plus 3, UDT No. 3 in DENT and UDT No. 4 in TALBOT will on D plus 2 day conduct reconnaissance off beaches in TIMON BAY and at DADI BEACH respectively. The same general procedures outlined for D plus 1 day will be followed.

(b) Assault Phase.

During the ship-to-shore movements on W-Day, UDT No. 3 in DENT and UDT No. 4 in TALBOT will be under the control and operate as directed by Commander Northern Transport Group, and Commander Southern Transport Group respectively.

During this phase, the Underwater Demolition Teams will, without interfering with the LVT and boat waves (preferably before and after the initial landing), continue to locate, mark, and clear boat channels to the beach, mark landing points on the reef outer edge suitable for landing LCM's and LCT's, and locate and mark level, shallow paths over which medium tanks can pass into the beach. Two remote control units will be carried in DENT for later installation in LCP's, if employment of "Drone" boats to blast entrance into the harbor is found advisable.

(c) Unloading Phase.

During this phase the Underwater Demolition Teams will continue to operate under the control of their respective Transport Group Commanders as directed by the Beachmaster at each assault beach. Of primary importance is the location and improvement by blasting of the best channels across the reef or landing points on the reef outer edge through which, or on which, LCVP, LCM's and LCT's may approach as close as possible to the beach to unload wheeled and tracked vehicles and cargo.

Immediate attention will be given to reconnaissance and improvement of possible unloading points at mouth of ASAN River, TEPUNGAN Channel and DADI Beach.

Upon entry into the port, the demolition teams will be consolidated under the control of the Deputy Attack Force Commander who will direct operations to clear obstructions from boat channels, alongside docks and in approaches to LST beaching points.

4. (a) Stereo pair photographs, vertical and oblique of the reefs in approaches to beaches will be taken by [illegible] aircraft on Dog minus Two Day to [illegible] already made. Pictures

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will be taken at low tide and will be from as low altitude as the tactical situation will permit. If possible, color photos will be obtained to supplement those already made.

(b) Two prints of the above photographs will be delivered by drop on the same day if possible, otherwise on the following day, to the HONOLULU for the use of Commander Bombardment Group; the negatives and one print of each will be dropped on the APPALACHIAN.

(c) Photo Interpreters on the Bombardment Group flagship will make minute and detailed examination of all photographic coverage prior to Dog Day paying particular attention to desired approaches to landing beaches to determine the location, nature and extent of all underwater wire, obstacles, boat mines and other obstructions discovered in the vicinity of the beaches. The results of photographic reconnaissance, with photographs, will be delivered immediately to Commanding Officers of Underwater Demolition Teams concerned.

(d) Photographic reconnaissance should reveal the location and general extent of such reef and beach obstacles as coconut log fences, concrete pillars, steel rails, horned sculleys, and entanglements. Very low altitude photographs may reveal possibly anti-boat mines. Surface reconnaissance is the only positive and reliable method of determining the location, extent and details of anti-boat mines.

5. A complete new set of equipment and explosives for each team will be carried in LST's of Defense Group Two, loaded from PEARL, for resupply of expended equipment and material for use in development demolitions after W-Day.

R. L. CONOLLY,
Rear Admiral, U.S. Navy,
Commander Task Force FIFTY-THREE.

DISTRIBUTION:

Same as CTF-53 Operation Plan No. A162-44.

S. H. HAHN,
Flag Secretary.

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TIDAL INFORMATION

Place	Lunidal Interval		Height above datum of Soundings		
	H. W. Mean	L. W. Mean	Mean of H. W. Springs	Mean H. W. Neaps	Mean Tide Level
	hrs. min.	hrs. min.	feet	feet	feet
Apra Harbor	7 31	1 46	1.8	1.5	1.1

NOTE
The boat channel leading to Piti is marked by red and black slakes. Those on the south side are lighted with white lights when requested by ships in the harbor.

ANCHORAGE PLAN IN RED
APRA HARBOR
12- 600 YARD BERTHS
32- 300 YARD BERTHS
SEAPLANE RUNWAYS SHOWN BY SOLID LINES
SEAPLANE ANCHORAGES SHOWN BY DASHED LINES

APPENDIX 1 TO ANNEX "K"
To: Commander Task Force 53
OPERATION PLAN A162-44

Anchorage For Apra Harbor

SECRET

NORTH PACIFIC OCEAN
MARIANAS
GUAM

HARBOR OF APRA

From U.S. Government surveys to 1935

NE. angle of Fort Santa Cruz, Lat. 13°26'22"4 N., Long. 144°39'42"9 E.

SOUNDINGS IN FEET
reduced to the plane of Mean Lower Low Water

All heights are expressed in feet and referred to the plane of Mean Lower Low Water
The vertical interval between contours is 20 feet

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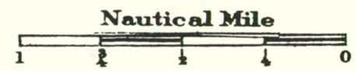
OPERATION PLAN A162-44

To: Commander Task Force 53

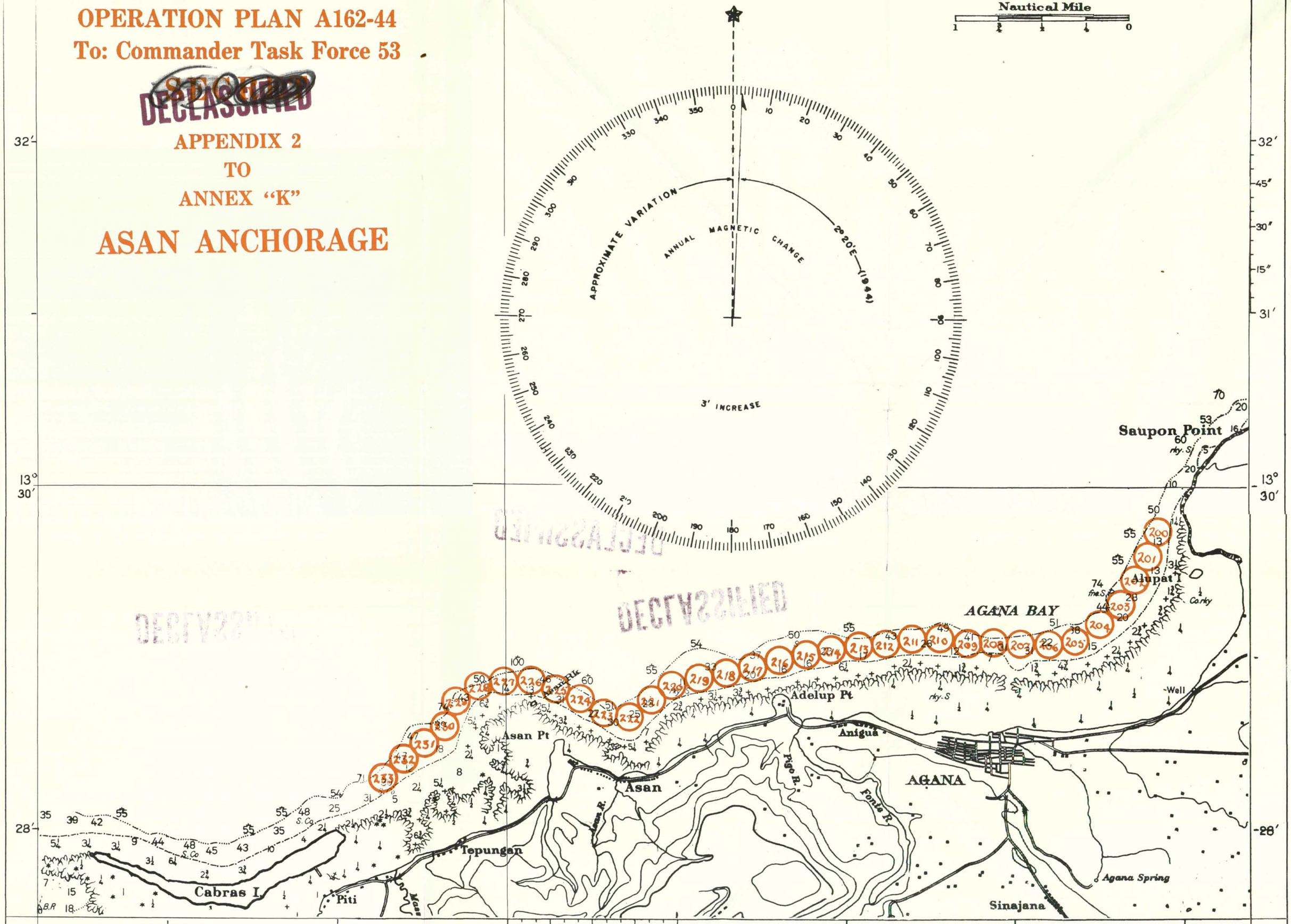
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APPENDIX 2
TO
ANNEX "K"

ASAN ANCHORAGE



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OPERATION PLAN A162-44

To: Commander Task Force 53

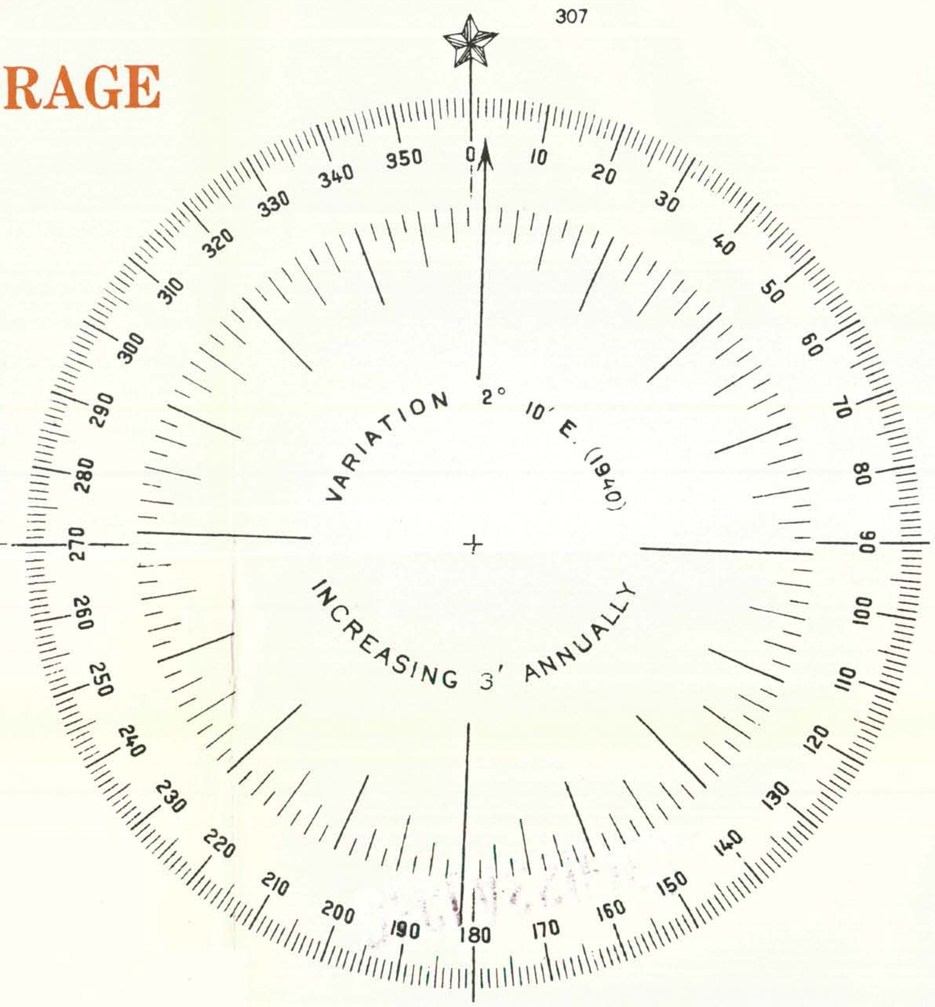
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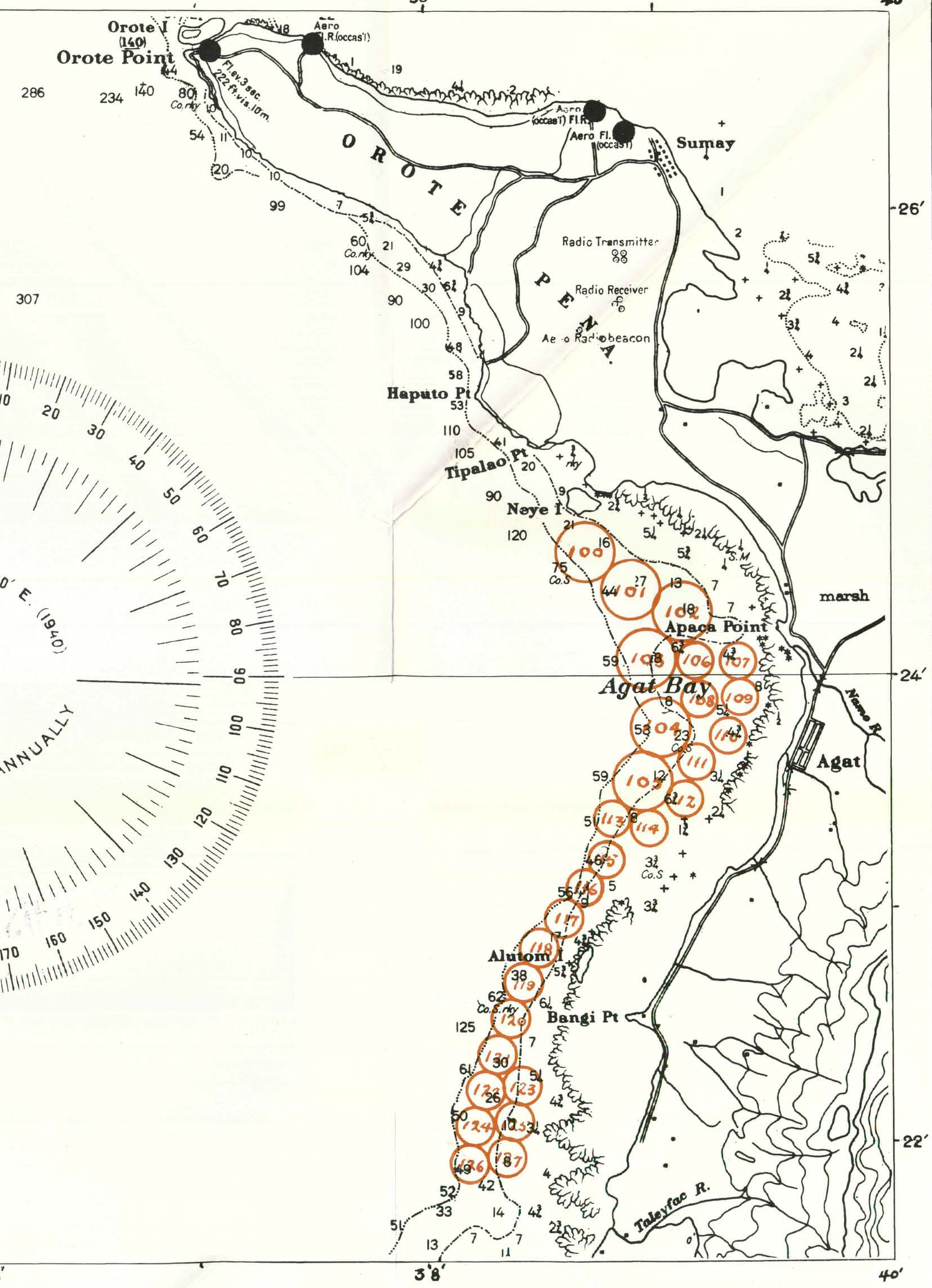
APPENDIX 3

TO

ANNEX "K"

AGAT ANCHORAGE





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ANNEX "K" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

Copy No. 546

28 May 1944.

[redacted]

GENERAL MINESWEEPING AND HYDROGRAPHIC INSTRUCTIONS

TASK ORGANIZATION

(a) TF-53 Minesweeping and Hydrographic Group — Lt. Cdr. Estep

(1) Sweep Unit One (TU 53.9.1) — Lt. Cdr. Estep
AM 63 SKYLARK (F)
AM 64 STARLING — 2 AM

(2) Sweep Unit Two (TU 53.9.2) — Lieut. Law
YMS 216 (F), 136, 184, 195, 237, 242. — 6 YMS

(3) Sweep Unit Three (TU 53.6.1) — Lieut. Cross
AM 62 SHELDRAKE
AM 65 SWALLOW — 2 AM

(4) Sweep Unit Four (TU 53.6.2) — Lieut. McCarthy
YMS 281 (F), 241, 260, 266, 270, 272. — 6 YMS

(5) Mobile Hydrographic Unit No. 1 — Lieut.(jg) Turner
Ens. Grous
Ens. Dodge
One triangulation and signal party - 8 men
Two sounding parties - 8 men

(6) Mobile Hydrographic Unit No. 2 — Lieut.(jg) Gunther
Ens. Thompson
Ens. Robinson
One triangulation and signal party - 8 men
Two sounding parties - 8 men
One cartographic and reproduction unit - 6 men

1. Information

(a) Sweep Units One and Two and Mobile Hydrographic Unit No. 1 are initially with the Northern Attack Group (TG 53.1). Mobile Hydrographic Unit No. 1 is embarked in the DUPAGE and such other transports as designated by Commander Northern Transport Group.

(b) Sweep Units Three and Four and Mobile Hydrographic Unit No. 2 are initially with the Southern Attack Group (TG 53.2). Mobile Hydrographic Unit No. 2 is embarked in the GEORGE CLYMER and such other transports as designated by Commander Southern Attack Group.

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OPNAV #11-ND-1335

2. This Group will conduct minesweeping and hydrographic survey of the assault landing areas (ASAN and AGAT), the Harbor of APRA, and prospective unloading areas on the Southern and Western shores of GUAM in order to clear harbors and approaches of mines and facilitate safe navigation therein.

3. Minesweeping and Hydrographic Survey Operations will be conducted in two phases.

Phase I, the period from immediately after the assault landings at ASAN and AGAT until the harbor of APRA is taken, and Attack Groups consolidated for unloading in the harbor.

Phase II, the period after the Harbor of APRA is taken.

4. Phase I

(a) Sweep Unit One.
Sweep Unit Two.
Mobile Hydrographic Unit One.

(1) Sweep Units One and Two will conduct such sweeping operations as may be directed by Commander Northern Attack Group. The present plan contemplates a post-assault sweep of prospective ASAN Anchorages (see Appendix "2") by YMS of Sweep Unit Two.

(2) Mobile Hydrographic Unit One will operate during Phase I as directed by Commander Northern Transport Group, who will coordinate the activities of this unit with those of Underwater Demolition Team No. 3.

Tasks assigned Mobile Hydrographic Unit One should include:

(a) Verify the soundings shown on H.O. Chart 2186 and accurately fix any obstructions found in the proposed anchorages off ASAN shown on Appendix "2".

(b) Assist the Underwater Demolition Team in its task of locating unloading points on the reef's edge, paths across the reef and channels through the reef, by taking soundings and accurately determining chart positions of such points and areas selected. Early hydrographic information on the extent of the opening through the reef at the mouth of the ASAN River and on TEFUNGAN Channel is essential.

(b) Sweep Unit Three.
Sweep Unit Four.
Mobile Hydrographic Unit Two.

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During Phase I, carry out, in general, similar duties in the AGAT Beach Area as directed by Commander Southern Attack Group. See Appendix "3" for prospective anchorages at AGAT.

5. Phase II.

(a) Commander Southern Attack Group has been assigned the task of sweeping and making an initial hydrographic survey of the Harbor of APRA. The employment and coordination of the two YMS Sweep Units and the two Mobile Hydrographic Units will be as directed by him. The AM Sweep Units will be required for escort and patrol duty.

(b) As a general guide, the clearing and survey plans for APRA Harbor should include the following:

(1) Clearance sweep and wire drag of anchorage areas to a depth of 40 feet for mines and obstructions. Mark all obstructions and shoals not already marked.

(2) Fix actual location of existing mooring buoys or relocate as necessary. The ALOE and HOLLY are available for this service as desired.

(3) Prepare revised anchorage chart of harbor based on results of survey. See Appendix "1" for tentative initial anchorage layout. The APPALACHIAN's map reproduction facilities are available for this service.

(4) (a) Investigation and survey of existing channels, including the boat channel to PITI, and the most promising unloading points including PITI Harbor, SUMAY Docks, and the cut-off channel from PITI Channel into CABRAS Island.

(b) Japanese built channel along SUMAY waterfront from Pan-American installations southeastward to the seawall.

(c) Narrow, shallow channel east of FORT SANTA CRUZ.

(d) LUMINAO Reef breakwater as a probable LST beaching and unloading area.

(e) Oil dock extending from CABRAS Island for depth of water and obstructions alongside.

(5) Establish pilot service as soon as anchorage has been swept and berths determined safe. A YMS lying to off the harbor entrance is a suitable Pilot Boat. Three or four officers from other YMS's may be transferred temporarily to the Pilot Vessel to serve as pilots for incoming ships.

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(6) Establish tide observing program, locating tide staff on one of the dolphins at oil dock, west of PITI boat channel.

R. L. CONOLLY,
Rear Admiral, U.S. Navy,
Commander Task Force FIFTY-THREE.

APPENDICES:

"1" - Anchorage for APRA Harbor.
"2" - ASAN Anchorage.
"3" - AGAT Anchorage.

DISTRIBUTION:

Same as CTF-53 Operation Plan No. A162-44.

S. H. HAHN,
Flag Secretary.

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ANNEX "L" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44.

Copy No. 54

LOGISTICS PLAN 17 May 1944.

1. General.

(a) The basic Logistic Plan for Task Force 53 is set forth in Annex "G" to ComTaskFor 51 Operation Plan A10-44.

(b) Combat and auxiliary ships of Task Force 53 load supplies at mounting points to following levels:

Dry Provisions	-	120 days for ship's company; 60 days for embarked troops.
Fresh Provisions	-	To maximum capacity.
Fuel and Lubricants	-	To authorized capacity.
Ammunition	-	To authorized capacity.
Clothing	-	120 days.
Ship's Store Stock	-	120 days.
General Stores	-	120 days.
Medical Stores	-	120 days.

NOTE: Normal supply agencies in the South Pacific Area will be utilized to accomplish the above levels.

(c) Ships of Task Force 53 will fuel, provision and receive water at assigned staging points. Tentative schedules for fueling, watering, and provisioning at KWAJALEIN are listed below. A tentative provisioning schedule for ROI is also included. Fueling and watering schedules for ROI will be arranged by the SOPA. Garrison Groups THREE and FOUR will fuel, provision and receive water in accordance with arrangements made by each Garrison Group Commander with the SerRon TEN representative at ENIWETOK on arrival.

2. Fuel and Water:

(a) Ships will fuel and water by groups. Fueling and watering will commence immediately on arrival of ships at staging points and will be continuous until completed. Group or Unit Commanders designated in schedules listed below are responsible for establishing the order of fueling and watering of ships within their groups or units and will prepare and forward copies of their schedules to ComSerRon TEN by air mail prior to departure from mounting areas. Necessary changes to schedules which become apparent enroute, will be delivered to the SerRon TEN representative at the staging point immediately upon arrival. Copies of schedules and changes thereto will be furnished to the SOPA's at staging points concerned. The senior Transport Group Commander CTG 53.3 is responsible for the allocation of water to transport types.

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The amount of water available for this purpose will depend on the amount of water used to supply types not equipped with distilling apparatus. Allocation of water used to supply transport types will be in accord with the needs of the ships in the Transport Groups. The schedules for supplying water to transport types including the amounts allocated, will be prepared and delivered to the SerRon TEN representative at staging point and the SOPA as soon after arrival as the required information is available. The last ship of a scheduled group to fuel or water will notify the officer responsible for the scheduling of the next succeeding group one hour before the expected time of completion.

(b) The following tankers and water barges are scheduled for use at the several staging points:

KWAJALEIN

Ship	Water Type	Capacity
YO-184	Concrete	20,000 Bbls.
YO-186	Concrete	20,000 Bbls.
3 YW's	---	18,000 Bbls.
2 YW's	---	12,000 Bbls.
NIOBRARA	AO-72	14,000 Bbls.
	TOTAL -	84,000 Bbls.

FUEL

Ship	Type	M Bbls. Fuel	M Bbls. Diesel
SUAMICO	AO-49	85	8
MASCOMA	AO-83	85	8
TALLULAH	AO-50	85	8
PECOS	AO-65	85	8
SCHUYLKILL	AO-76	85	8
NIOBRARA	AO-72	75	8
GEMSBOK	IX-117	65	-
YOG-82	YOG-82	--	17
YO-160	YO-160	60	-
	TOTAL	625	65

ROI

WATER

Ship	Type	Capacity
2 YW's	---	12,000 Bbls.
	TOTAL -	12,000 Bbls.

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ROI

FUEL

Ship	Type	M Bbls. Fuel	M Bbls. Diesel
MONONGAHELA	AO-42	85	8
NESHANIC	AO-71	85	8
SARANAC	AO-74	85	8
CAHABA (OR)	AO-82	85	8
KENNEBAGO	AO-81	85	8
ELK	IX-115	65	-
BEAGLE	IX-112	--	24
	TOTAL	405	56

NOTE: Additional tankers to those listed above may be available at the staging points. These will be made available to the SOPA to employ as necessary to expedite logistics. The SOPA will make adjustments to schedules already established if additional tankers are employed. A representative of ComSerRon TEN is expected to be on board the flagship of the SOPA to assist in the handling of Logistics while at the staging point.

(c) The facilities at KWAJALEIN listed in 2(b) above are not for the exclusive use of TF 53 but must be shared with Reserve Group ONE (TG 51.18, consisting of 6 APA, 2 AKA, 2 AP, 4 DD, 2 DE, and 1 AT); Reserve Group TWO (TG 51.19 consisting of 4 AP, 1 AK, 4 DE, 7 LCI(G), 2 DD, 1 AKN, and 1 AN;) and Defense Group TWO (TG 51.3 consisting of 5 LST and 4 YMS).

(d) The zero hour for fueling and watering schedules at KWAJALEIN will be the hour at which Tractor Groups THREE and FOUR commence fueling and watering. Attack Groups THREE and FOUR will, in general, fuel and water after the requirements of Tractor Groups THREE and FOUR have been filled.

TENTATIVE TF 53 WATERING SCHEDULE FOR KWAJALEIN

Approx. Hours	Water from:	Group being Watered:	Scheduling Officer:
0 - 18	YO-184 ([illegible])	12 LST	CTG 53.16
0 - 18	YO-[illegible] ([illegible])	[illegible]	CTG 53.16

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ANNEX "L" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN-NO. A162-44 (CONTINUED)

Approx. Hours	Water from:	Group being Watered	Scheduling Officer.
180 - 26	[redacted] YO-184 YO-186	12 YMS 10 SC 6 PC 2 AN 1 ARL 8 LST [redacted] 1 APc	CTG 53.16
0 - 8	LST's	18 LCI(G)	CTG 53.16
24 - 28	YW-88	1 LSD	CTG 53.3
24 - 28	YW-90	1 LSD	CTG 53.3
24 - 28	YW-94	1 LSD	CTG 53.4
56 - 96	YW-88 YW-90 YW-94	TransDivs. 2,4,6,8,24 plus AGC-1	CTG 53.3*

NOTE *(Approximately 600,000 gals. available for distribution to 5 TransDivs. and 1 AGC).

NOTE: The order in which ships take water will be established by the Task Group Commander indicated above as the Scheduling Officer. The Scheduling Officer will advice ComSerRon TEN by air mail prior to departure from mounting area as indicated in paragraph 2(a) above

TENTATIVE TF 53 FUELING SCHEDULE AT KWAJALEIN

Approx. Hours	Fuel from:	Group being fueled	Scheduling Officer
0 - 10	SUAMICO	12 LST	CTG 53.16
0 - 12	MASCOMA	1 ARL 10 LST	CTG 53.16
0 - 14	TALLULAH	12 YMS 2 AN	CTG 53.16
0 - 5	PECOS	6 PC 1 APc	CTG 53.16
0 - 20	YOG-82	10 LST	CTG 53.16

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ANNEX "L" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN-NO. A162-44. (CONTINUED)

Approx. Hours	Fuel From:	Group being fueled	Scheduling Officer.
0 - 4	YO-160	2 DD (of Tractor Grps 3&4)	CTG 53.16
0 - 6	SCHUYLKILL	10 SC	CTG 53.16
0 - 8	IST's	18 LCI(G)	CTG 53.16
24 - 48	SUAMICO	2 AKA 1 AP 2 AM 1 AT	CTG 53.4
24 - 48	MASCOMA	3 CVE	CTG 53.7
24 - 48	TALLULAH	9 APA	CTG 53.3
24 - 48	PECOS	2 AM 1 AT 1 AGC 3 AKA 1 APH 2 AP 1 ARS 1 AVD	CTU 53.3
24 - 36	[redacted] Schuylkill	10 DD (of TU 53.3.5; 53.7.3; 53.2.1)	CTU 53.3
36 - 48	GEMSBOK	3 LSD	CTG 53.3
24 - 48	YO-160	10 DD (of TU 53.3.5; 53.7.3; 53.2.1)	CTU 53.3.5
24 - 48	Niobrara [redacted]	2 DE 7 APA	CTG 53.4

NOTE: The order in which ships take fuel will be established by the Task Group or Task Unit Commander indicated above as the Scheduling Officer. The Scheduling Officer will advise ComSerRon TEN by air mail prior to departure from mounting area as indicated in paragraph 2(a) above.

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3. Provisions:

(a) Ships of the FORAGER Joint Expeditionary Force will be provisioned at ROWLOCK and CUSTOM in accordance with the following schedules. The priority of classes and groups of ships coincides with their order of listing.

(b) Provisioning at each base will commence immediately upon arrival of the first group of ships, and will be continuous until completed.

(c) A Provisioning Officer, of the rank of Lieutenant or above, will be designated by the SOPA, for each shift, on the provisioning ship or ships, and will report aboard provisioning ship prior to commencement of provisioning.

(d) Upon arrival each vessel being provisioned with the exception of LST's and LCI's at ROWLOCK, will send a representative from her commissary department to provisioning ship with a list of items required.

(e) Provisioning ships will furnish meals to working parties aboard. At CUSTOM, ships sending working parties to reefer barges will provide meals for those parties. Ships being provisioned will feed boat crews and boat working parties while boats are alongside.

(f) Provisioning ships will provide cargo nets. Nets must be returned and returned promptly. Tarpaulins, when available, will be provided for each boat by the ship to which attached.

(g) Provisioning officers and working parties will be relieved every eight hours. Provisioning will continue night and day.

(h) Ships will continue provisioning while alongside fuel and water vessels.

(i) Destroyers and smaller craft will illuminate their bow numbers during the hours of darkness.

(j) Each boat will be provided with an anchorage diagram, flashlight, and hand lantern.

(k) It is directed that Group Commanders keep a close check on the progress of provisioning and have their Groups standing by and ready to commence provisioning immediately upon completion of the Group ahead of them.

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(1) ROWLOCK

Estimated Requirements: 1,000,000 rations.

On Hand: Frozen and chilled - 1,350,000 rations; dry - 3,000,000 rations; plus Tender if present.

Provision Ships: ANTIGUA - Refrigeration only. XAF
CHELEB - Dry provisions only. AK-138

Tender:

(1) Provisioning Schedule:

(a) First day, (commence provisioning as soon after arrival as possible) Tractor Groups THREE and FOUR provision as follows: LST's and LCI(G)'s will be provisioned from ANTIGUA and CHELEB on an allotment basis, each ship receiving the same quota of dry, frozen, and chilled provisions in quantities as indicated below. The provisioning ships will be prepared ahead of time to meet these quotas and will assemble them insofar as possible to expedite discharging:

	Dry Balanced Ration For each ship	Frozen Balanced Ration For each ship	Chilled Balanced Ration For each ship
32 LST's	375 cu.ft.	200 cu.ft.	55 cu.ft.chilled rations. 250 cu.ft.vegetables and fruit.
18 LCI(G)'s with numbers under 350	75 cu.ft.	12 cu.ft.	8 cu.ft.dairy rations. 40 cu. ft. fruits and vegetables.
with numbers over 350	75 cu.ft.	24 cu.ft.	8 cu.ft.dairy rations. 40 cu. ft. fruits and vegetables.

Estimated time - 12 hours.

Upon completion of the LST's and LCI(G)'s listed above the following ships will commence provisioning from ANTIGUA and CHELEB: 2 DD, (of Tractor Groups THREE and FOUR) 12 YMS, 6 PC, 1 APC, 10 PCE, 1 PGL, [illegible] CASCADE is present

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the 2 DD's and 12 YMS's provision from CASCADE immediately upon arrival.

Estimated time - 8 hours.

(b) Second day, (or immediately upon provisioning of Tractor Groups THREE and FOUR) Defense Group TWO provision from ANTIGUA and CHELEB - 5 LST's on same allotment basis as shown in paragraph 3(k), 4 YMS.

Second day (immediately upon completion of provisioning of Defense Group TWO) Attack Groups THREE and FOUR provision as follows: From ANTIGUA and CHELEB - 20 DD, 2 DE, 3 CVE, 4 AM, 2 AT, 1 AVD, 1 ARS. If the CASCADE is present the 20 DD's will provision from CASCADE.

Estimated time - All from ANTIGUA and CHELEB - 18 hours.
From ANTIGUA, CHELEB, and CASCADE - 12 hours.

(c) Third day, (or immediately upon completion of provisioning of Attack Groups THREE and FOUR) Reserve Groups ONE and TWO provision as follows: From ANTIGUA and CHELEB - 7 LCI(G)'s on same allotment basis as shown in paragraph 3(k) above followed by 6 DD, 6 DE, 1 AT, 1 AN, 1 AKN. If CASCADE is present the 6 DD's will provision from CASCADE.

Estimated time - All from ANTIGUA and CHELEB - 8 hours.
From ANTIGUA, CHELEB, and CASCADE - 6 hours.

(d) Fourth day, (or immediately upon completion of provisioning of Reserve Groups ONE and TWO, stragglers and transports (plus AGC-1) top off from ANTIGUA and CHELEB.

(2) Boats:

All boats available from base boat pool.

(a) First day, and until arrival of transports, all boats from LST's present except LCS's.

(b) Second day, on arrival of TransDiv's 2,4,6,8, and 24, boats will be provided as follows:

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Furnished by:	No. LCM's:	No. LCV(P)'s:
TransDiv 2	12	7
TransDiv 4	12	7
TransDiv 6	12	6
TransDiv 8	12	6
TransDiv 24	10	6
TOTAL -	58	32

(c) Third day, on arrival of TransDiv's. 7, 32, and 34 boats will be provided as follows:

Furnished by:	No. LCM's:
TransDiv 2	12
TransDiv 4	12
TransDiv 6	12
TransDiv 8	12
TransDiv 24	10
TransDiv 7	9
TransDiv 32	14
TransDiv 34	9
TOTAL -	90

(d) Fourth day, if time permits for stragglers and transports (plus AGC-1) to top off, boats will be furnished as required by ships being provisioned. Stragglers not having boats will make request for boats on any Transport Division Commander present.

(3) Boat Working Parties:

During the daylight 1 boat officer for every two boats will be provided. During darkness 1 boat officer for every boat will be provided.

One petty officer and 8 men will be provided each boat. LST's furnish boat officers and working parties for own boats. LCI's of Tractor Groups THREE and FOUR furnish boat officers and working parties for base pool boats on the first day as designated by senior LCI Commander.

Three CVE's of Attack Groups THREE and FOUR furnish boat officers and working parties for base pool boats the second and third days as directed by SOPA.

Transports furnish boat officers and working parties for own boats.

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(4) Provisioning Ship Working Parties:

(a) For the first day's provisioning and until arrival of transport divisions, 5 deck petty officers* and 90 men, for each shift, will be furnished as follows:

For ANTIGUA - 10 men from each LST of Tractor Group THREE. (All men in heavy clothing.)

For CHELEB - 10 men from each LST of Tractor Group FOUR. (All men in ordinary work clothing.)

For CASCADE - 1 deck petty officer and 5 men from each DD. (All men in heavy clothing) of Tractor Groups THREE and FOUR. Five men from each YMS (In ordinary work clothing) of Tractor Groups THREE and FOUR.

* Senior LST Commander of each Tractor Group designate LST's that are to furnish deck petty officers.

NOTE: If CASCADE is not present, working parties from DD's and YMS's will not be required. LST's will maintain their working parties aboard ANTIGUA and CHELEB until all ships of Tractor Groups THREE and FOUR are provisioned or until relieved my TransDiv working parties.

Upon arrival of Transport Divisions, 5 deck petty officers and 100 men will be furnished to each of the THREE provisioning ships, (working parties for ANTIGUA will wear heavy clothing, working parties for CHELEB will wear ordinary work clothing, 35 men of the working parties for CASCADE will wear heavy clothing, remainder wear ordinary work clothing) in accordance with the following schedule:

(b) SECOND DAY

Provision Ship	Shifts	Working Parties Furnished by:	No. Men from ea. Ship of Division		No.P.O.from ea.Ship of Div
ANTIGUA	1st 8 hours	TransDiv 2	20	heavy clothing	1
"	2nd 8 hours	TransDiv 4	20	" "	1
"	3rd 8 hours	TransDiv 6	20	" "	1
CHELEB	1st 8 hours	TransDiv 8	20	ord.work cloth.	1
"	2nd 8 hours	TransDiv 24	20	" " "	1
"	3rd 8 hours	TransDiv 2	20	" "	1
CASCADE	1st 8 hours	TransDiv 4	[illegible]	heavy cloth.)	1
"	2nd 8 hours	[illegible]	30	" "	1
"	3rd 8 hours	[illegible]	30	" "	1

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(c) THIRD DAY.

Provision Ship	Shifts	Working Parties Furnished by:	No. Men from ea. Ship of Division	No. PO from ea. Ship of Division
ANTIGUA	1st 8 hours	TransDiv 6	20 heavy cloth.	1
"	2nd 8 hours	TransDiv 7	20 " "	1
"	3rd 8 hours	TransDiv 32	20 " "	1
CHELEB	1st 8 hours	TransDiv 2	20 ord. work clo.	1
"	2nd 8 hours	TransDiv 34	20 " " "	1
"	3rd 8 hours	TransDiv 24	20 " " "	1
CASCADE	1st 8 hours	TransDiv 8	20 (5 heavy cloth.)	1
"	2nd 8 hours	TransDiv 32	20 " " "	1
"	3rd 8 hours	TransDiv 7	20 " " "	1

(d) FOURTH DAY

If time permits for topping off of stragglers and transports (plus AGC-1), each Transport Division will furnish 5 deck petty officers and 20 men each to ANTIGUA and CHELEB.

(m) CUSTOM

Estimated requirements: 300,000 to 400,000 rations.

On hand: Sufficient to meet above requirements.

Provisioning Ships: MARKAB AD
TWO REEFER BARGES (Refrigeration only)

Provisioning Schedule:

(1) Smaller vessels: 5 LST, 4PCS, 23 DD, 4 APD.

(2) Bombardment Group TWO: 2 CVE, 6 CA and CL, 3 OBB.

(3) Bombardment Group ONE: 2 CVE, 5 CA and CL, 4 OBB.

Boats: 2 LCV(P)'s from each LST. 4 LCP(R) from each APD. All boats available from base boat pool and MARKAB.

Boat Working Parties: During daylight 1 boat officer for every two boats will be provided. During darkness 1 boat officer for every boat will be provided. One petty officer and 8 men will be provided each boat.

LST's furnish working parties for own boats.

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ANNEX "L" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44 (CONTINUED)

BB's furnish working parties for base boat pool boats as determined by SOPA.

CVE's furnish working parties for MARKAB boats as determined by SOPA.

DD's and APD's furnish working parties for APD boats.

Provision Ship Working Party: MARKAB - 100 men from Bombardment Group TWO. REEFER BARGE - 80 men from Bombardment Group ONE for each reefer. All men in heavy clothing.

R.L. CONOLLY,
Rear Admiral U.S. Navy,
Commander Task Force FIFTY-THREE.

DISTRIBUTION:
Same as CTF 53 Operation Plan No. A162-44.

S.H. HAHN,
Flag Secretary.

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APPENDIX "1" TO ANNEX "L" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

COPY NO. 546

29 May 1944.

AMPHIBIOUS VEHICLE REFUELING PLAN

1. Because of the heavy demands made on LVTs and DUKWs in the ship-to-shore movement and subsequent unloading over the captured beaches, special means will be provided for refueling amphibious vehicles off shore until fuel dumps have been established on shore. Each transport group commander is responsible for refueling amphibious vehicles operating in his beach area.

2. FACILITIES PROVIDED.

(a) The EPPING FOREST, GUNSTON HALL, and CARTER HALL, each have one 40 foot motor launch equipped with a 1500 gallon bowser tank and three engine driven refueling units with discharge rate of 30 gallons per minute.

(b) Each tractor group has several LSTs side-carrying pontoon barges. As many of these as are necessary, probably two or three each at division and brigade beaches, will be loaded with drummed motor gasoline for refueling amphibious vehicles.

(c) As many LCVPs from transports as are required will be loaded with drummed motor gasoline to round out the refueling needs of each transport group.

(d) Hand pumps have been provided to use with the pontoon barges and LCVPs mentioned above.

(e) Motor gasoline for refilling bowser tanks will be available in each LSD, in bulk storage tanks. Motor gasoline will be available in drums in all transports. Each LST will have remaining on board approximately two drums per amphibious vehicle after LVTs and DUKWs have been launched, and available for refueling same.

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APPENDIX "1" TO ANNEX "L" TO COMMANDER TASK FORCE FIFTY-THREE OPERATION PLAN NO. A162-44. (CONTINUED).

3. Each transport group commander will arrange that a refueling officer and sufficient bowser boats, barges and LCVPs loaded with gasoline and plainly marked "GAS" are at hand for amphibious vehicles near the reef edge from the time they have completed the ship-to-shore movement of assault troops until shore dumps of gasoline have been set up and operated.

R.L. CONOLLY,
Rear Admiral, U.S. Navy,
Commander Task Force FIFTY-THREE.

DISTRIBUTION:
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S.H. Hahn

S.H. HAHN,
Flag Secretary.

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ANNEX "M" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

Copy No. 546

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2 June 1944.

PROTECTIVE AND NIGHT CRUISING PLAN AT OBJECTIVE

Reference: (a) Annexes (N) and (P) to CTF-51 OpPlan No. A10-44 (SOPA Instructions and Protective Plan - FORAGER Operation).

1. This Annex is divided into three parts, each covering subjects as follows:

PART I - PROTECTIVE PLAN

A. GENERAL

B. ANTI-SUBMARINE DEFENSE

(1) Screening.
(2) Hunter-Killer A/S Tactics.
(3) Anti-Submarine Air Patrol.

C. DEFENSE AGAINST AIR ATTACK

(1) General.
(2) Air Raid Procedure.
(3) Opening Fire.
(4) Fighter Direction and Radar Pickets.
(5) General Smoke Plan.
(6) Smoke Mission "X-Ray" (APRA Harbor).

D. ANCHORAGE AND HARBOR PATROL

PART II - NIGHT CRUISING (RETIREMENT) PLAN
CTF-53 RETIREMENT PLAN NO. A166-44.

PART III - REENFORCEMENT OF FIFTH FLEET FOR MAJOR ACTION

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Part I - PROTECTIVE PLAN

A. General

(1) The SOPA at each anchorage is responsible during the assault and occupation phase for the protection of the ships in the anchorage and the task of defending the beaches where landings have been made or harbor installations in the harbor are being used. He will direct the Screen and Fire Support Group to provide the maximum practicable protection against air, surface and submarine attack. He will also prevent the reinforcement or escape of the enemy by troops moving in small craft.

(2) The Island Commander, after assuming command, is responsible for defense of the island. He is responsible also for the establishment and maintenance of adequate patrols of APRA Harbor, minesweeping, and antiaircraft defense ashore.

(3) Attack Group Commanders will maintain an anti-submarine screen to protect the ASAN and AGAT anchorages and transport areas. ComDesRon 25 (Comdr. Northern Transport Screen) will coordinate the assignment of screening stations for both Northern and Southern Attack Group Screens.

The SOPA will maintain an A/S screen to protect APRA Harbor after it has been captured. On completion of the occupation phase, the Island Commander will assume responsibility for A/S patrols protecting APRA Harbor.

(4) Conditions of readiness for getting underway will be prescribed by the SOPA. Until further notice, all ships be prepared to get underway on thirty minutes notice. Full power will be required on two hours notice. Permission to disable engines and to clean boilers will be obtained from SOPA. When condition RED is announced, all ships prepare to get underway and to make full power.

(5) Defense measures by ships.

(a) The condition of readiness to be maintained by the various types of ships is left to the discretion of individual commanding officers in accordance with USF-10A, except when specific conditions of readiness are required by instructions from higher authority.

(b) Ships which are not working cargo shall be darkened from sunset to sunrise. When engaged in handling cargo, lights shall be shaded so as not to show above the horizontal. Lights in holds shall be dimmed and must not be directly visible from overhead. The SOPA is responsible for enforcement of this rule until the Port Director is established and functioning.

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(c) Until capture of GUAM is completed, transports and heavy ships at anchor offshore or in the harbor will maintain during darkness a special deck security patrol equipped with Browning automatic rifles or sub-machine guns. The duty of these patrols, augmenting the regular machine gun watch details, is to prevent the approach of hostile boats.

B. Anti-Submarine Defense.

(1) Screening:

(a) Screening vessels protecting transports in an exposed transport area will be disposed on an outer and an inner screen; radar pickets will be stationed at night to reinforce the screen. The outer screen will be maintained at all times; additional screening vessels will be assigned to the inner screen as they become available.

(b) Screening stations are normally chords of a circle whose center, unless otherwise specified, is the center of the transport area. The screen axis will be given as a true bearing from the center; and the length of each chord will be designated by circle spacing in thousands of yards and true bearings from the center; or by circle spacing plus station number and angular spacing of each station. Where navigational features require an unsymmetrical screen, stations not on the circle will be defined by giving the polar coordinates of each end of the chord measured from the designated point of origin (center of the circle) in true bearings.

(c) Patrol stations will normally be approximately 7,000 yards. Patrol speed will be 15 knots unless otherwise specified.

(d) When reaching the end of their chord of search, screening vessels will always turn outboard in order to prevent wake interference. This will result in a figure 8 track. The screening courses must be adjusted so as to compensate for transfer during the turns.

(e) The screening vessels will adjust their stations on the screen so that all vessels are passing through the midpoint of their sector chord at the same time going in the same direction around the perimeter of the prescribed orbit; i.e., rotating the screen in the same direction. This is necessary to avoid wake knuckle interference, at the end of the patrol and to prevent collision at night. As a general rule, the screen should pass through the midpoint of each sector chord on the hour and on the half hour, going in one direction; and 15 minutes before and after the hour going in the opposite direction.

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(f) Patrol stations will be numbered from the screen axis, odd stations to the right.

(g) As screening vessels in excess of those required for the outer screen become available, they will take assigned stations on the inner screen. They will, when directed, promptly take over stations in the outer screen vacated by destroyers developing contacts, or taking station as radar pickets at night; and will without further orders develop any sound contact they make.

(h) In order to maintain an effective screen and to prevent wake interference with sound search, units operating outside the screen will not approach within 5,000 yards unless obsolutely necessary.

(i) Screen vessels report all contacts promptly to Attack Group Commanders and Screen Commanders.

(2) Hunter-Killer - A/S Tactics

(a) Hunter-Killer Groups will be designated by number (Group 1, Group 2, etc) by the Senior Screen Commander from available vessels in the screen, and will proceed to scene of contact when so ordered by him. Hunter-Killer air units will be assigned air plans.

(b) Any A/S aircraft or Hunter-Killer aircraft sighting an enemy submarine will mark the submarine's track by float lights or smoke floats and report his position over the HF warning frequency. Receive acknowledgment from the SOPA and officer designated to control A/S operations, (screen commander). Attack, unless friendly A/S vessel is within 4 miles. If friendly A/S vessel is closer than 4 miles, do not attack unless a kill is virtually a certainty (submarine surfaced or periscope feathering). When A/S vessel is closer than 4 miles, notify her of situation and report to her for instructions.

(c) On receipt of enemy submarine report from an A/S aircraft or surface ship, Hunter-Killer aircraft and Hunter-Killer vessels will be despatched to scene of contact on orders from Attack Force Commander or officer designated to control A/S operations (Senior Screen Commander).

(d) On arrival of group of Hunter-Killer vessels within a 4 mile radius of submarine's last contact, Hunter-Killer aircraft report to that Group Commander for orders on HF warning frequency.

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(3) Anti-Submarine Air Patrol.

(a) A/S air patrol will be maintained by CVE's of the air support group under direction of the SOPA. This patrol will be taken over by shore-based planes as soon as practicable.

C. Defense Against Air Attack.

(1) General

(a) If transports are attacked while lying to, and debarking assault troops, maneuver individually to avoid being struck but do not leave the transport area. If anchored, remain at anchor. Do not unduly delay the landing of assault troops. Heavy ships within the screen and designated units of the screen close the transports to provide as near all around protection as practicable.

(b) If transports are attacked during daylight after troops have debarked, be prepared to get underway and maneuver in accordance with signals of OTC. If attacked at night, remain in transport area and make smoke as directed by SOPA.

(2) Air Raid Procedure.

(a) Prescribing authority - SOPA until Base Commander assumes command.

(b) Air Raid Warning Conditions.

Visual	Radio (plain language message)	Meaning
"ZEBRA" flag	"FLASH RED"	Air Attack imminent, enemy aircraft in vicinity. All ships set condition I.
"TWO" pennant	"FLASH BLUE"	Air attack probable, unidentified aircraft in vicinity. All ships set condition II.
"ONE" pennant	"FLASH WHITE"	All clear. Aircraft identified as friendly. (Hostile aircraft no longer in vicinity).

(c) Air Raid Alarm

Ten (10) [illegible] second intervals for a period of two (2) minutes on signal from base or senior ship in harbor.

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(d) All clear signal.

One (1) long blast on siren of about one minute duration.

Both signals will be repeated by Group Flagships of large vessels.

(e) Control of Anti-Aircraft Fire.

Visual	Radio (plain language message)	Meaning
GREEN Flag	"CONTROL GREEN"	All guns hold fire on air targets.
YELLOW Flag	"CONTROL YELLOW"	All guns may fire on any air targets identified as enemy except as modified by paragraphs (3)(a) and (b) following.

(f) When flag signals for air raid warning conditions and control of gunfire are flown simultaneously, the CONTROL Flag will be flown UNDER the Condition Flag.

(3) Opening Fire.

(a) Day - Ships fire their batteries at identified enemy aircraft when within range of the battery concerned, avoiding as far as possible firing in the direction of friendly ships and of the beach. Commanding Officers open fire on their own responsibility.

(b) Night - Protective ships fire close range automatic weapons if, and only if, any enemy plane target is visible to the gunner, or, in case of 40-mm guns radar controlled if a good radar solution is obtained. Screening ships will open fire with 5-inch radar controlled batteries if a good radar solution is obtained and approaching planes are within 5,000 yards. Transports and cargo ships shall not fire unless specifically ordered to do so by the SOPA. The object is to make maximum use of darkness, aided by smoke, and to avoid disclosing the location of our ships. CAUTION - Attention is directed to the great advantage of concealment, by smoke or darkness, and to the possibility that ships may fire into each other or toward shore units. If in doubt don't shoot.

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C. (4) Fighter Direction and Radar Pickets.

Doctrine and procedure for Fighter Direction and Radar Pickets at objective are covered in "Fighter Direction Instructions", Appendix "7" to Annex "F" (AIR PLAN) to this Operation Plan.

(5) General Smoke Plan.

(a) All vessels of TF-53 down to and including SC's, LCI(FS) and YMS's, have been equipped with smoke generators, smoke munitions, or both. Destroyers also can make funnel smoke and are supplied with 10 rounds per gun W.P. shells. Some aircraft will be equipped with smoke tanks and are on call at certain periods as indicated in the Attack Force Air Plan.

(b) Uses of smoke in an amphibious operation are:

(1) Screen landing craft while forming at line of departure, while approaching landing beaches, and while discharging at the landing beaches.

(2) Screen transports, LST's and heavy gunfire support ships from shore batteries, enemy surface forces and from aircraft attack.

(3) Screen minesweepers during minesweeping operations.

(4) Screen UD Teams during reconnaissance and underwater demolitions.

(c) Restrictions must be kept in mind when considering use of smoke in order not to interfere with: organization of the landing at the line of departure, execution of an orderly assault landing, and the operations of the troops after landing; also our support aircraft and our gunfire support ships must not be interfered with in the execution of their support missions; smoke cover over a formation at anchor or lying to in a restricted area is effective at night, even on a moonlight night and even when illuminated by flares, but such smoke cover is dangerous in the daytime and will not be used.

(d) Certain smoke missions will be prescribed herein and in addition thereto Attack Group Commanders and the Commander Bombardment Group Two will prescribe and order smoke in carrying out this plan and when special circumstances require.

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(e) (1) Screen Landing Craft During Assault Landings.

Due to the gunfire and air-support planned, it is not believed that it will be necessary to use close smoke screening for this purpose. However, smoke shell in supporting destroyers and the smoke generators of the LCI(FS)'s are available for screening across the front should that prove to be essential. Smoke used in such case should be light in order to permit orderly marshalling of the amphibious vehicles and craft and so as not to hinder the advance of our troops when once ashore. Screening on either flank of the line of departure and the boat lanes might be possible but should be done only if essential and with due regard to the effects mentioned above and also to possible interference with the gunfire support and air support missions. Smoke for this purpose can be considered as being used in emergency only.

On William day a curtain of smoke, to intervene between shore batteries and observation posts on the slopes of Mount CHACHAO and Mount TENYO (Northern Landing) and Mount ALIFON (Southern Landing) and the attack areas, will be laid as required after H-60 and about H-30 if not required before. Six smoker planes will be on call.

(2) Screen Transports, LST's and Heavy Gunfire Support Ships.

From daybreak on William Day and during daylight, it may become necessary to cover temporarily transports, LST's or heavy gunfire support ships with smoke to protect them from the fire of shore batteries. This must not interfere with the organization of the landing waves and the progress of the landing. Destroyers of the transport screen, smoke generators and smoke floats on the ships themselves, and smoke pots and floats in landing craft can be used for this purpose. To protect transports in the transport area and LST's in anchorages close to the beach, each Attack Group Commander will prepare plans for smoke coverage against night air attack. Smoke coverage will not be used against air attack in the daylight until after sunset. During twilight, if an air attack is expected, destroyers of the transport screen should be directed by the Attack Group Commanders to lay funnel smoke about three miles to seaward of the transport areas. This is particularly effective to prevent silhouette of the ships against the setting sun. For attack against surface ships, the usual tactical factors will govern and each case must be settled on its merits. Be ready to use smoke for this purpose.

(3) Screening by smoke for minesweepers will be provided by Attack Group Commander if and as needed.

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(4) Screening of underwater demolition teams by smoke, while engaged in demolition work, on William minus One and William minus Two Days, will be at the discretion of and according to plan of the Commander Bombardment Group Two. On William morning and subsequent it will be provided by the Attack Group Commanders.

C. (6) Smoke Mission X-Ray.

(a) Information - See attached diagram of APRA Harbor anchorage showing location of Devilbiss Generators, smoke pots and tracks of smoke pickets.

(b) The purpose of this plan is to provide adequate smoke coverage for the ships at anchor in APRA Harbor in order to ensure protection against enemy air attack at night.

(c) (1) Commander Southern Attack Group (CTG 53.2) as Second in Command (TF-53) has been assigned initial responsibility for the regulation and security of the shipping in the port. He will issue necessary instructions to carry out the general smoke procedure of this plan, making such changes as the local situation in the harbor makes advisable.

(2) Commanding General, Southern Landing Force will be requested to provide for the placement and operation of 20 Devilbiss Generators at intervals of approximately 375 yards from the seaward end of LUMINAO Causeway to CABRAS Island, along the southern edge of CABRAS Island to the town of PITI, and from the town of PITI south along the eastern shore of the harbor to the hill immediately north of the AQUADA River (see diagram). Smoke pots will also be located along the Oil Dock, Sea Plane Ramp, and at FORT SANTA CRUZ.

(3) The naval officer in charge of the security of the harbor shipping will arrange for ten (10) smoke pickets (LCI's, SC's, or YMS's with smoke generators) to be stationed in berths 1, 8, 16, 19, 25, 28, 29, 34, 38, and 43, tying up alongside ship if berth occupied; each picket will be indentified by its berth number. He will arrange with the officer in command of the land defenses to make smoke on signal by the smoke-making equipment on shore.

(4) On signal Devilbiss Generators will be started up, smoke pots will be lighted off, and smoke picket boats will get underway to proceed along assigned courses (see attached diagram) making smoke by using [illegible] until the signal to stop smoke has been given, at which time the smoke pickets will return to their berths and remain in readiness for a succeeding attack.

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(5) All transports and cargo ships at anchor in the harbor will make smoke by Besler Generators. In addition each transport and cargo ship will throw overboard a smoke float on both bows, floats to be secured by lines to maintain them at the bows. Each transport and cargo ship will likewise detail one LCVP or similar type boat to proceed to windward of parent ship, lying to at the limit of the ship's berth while making smoke from smokepots or smoke floats. All other ships in the harbor will make smoke wherever located and however equipped to do so.

(d) (1) Signal to make smoke will be Morse equivalent of "QUEEN-QUEEN" repeated three (3) times on the whistle of the SOPA flagship and the order "execute smoke mission X-Ray" passed over the voice circuits

(2) Signal to stop smoke will be Morse equivalent of "NAN-NAN" repeated three (3) times on the whistle of the SOPA flagship or the order "stop smoke" passed over voice circuits.

(3) Voice radio call for smoke pickets is "LUGGAGE" followed by berth number. CW call is 6 CS followed by berth number.

(4) Smoke pickets guard 34.8 mcs.

R. L. CONOLLY,
Rear Admiral, U.S. Navy,
Commander Task Force FIFTY-THREE.

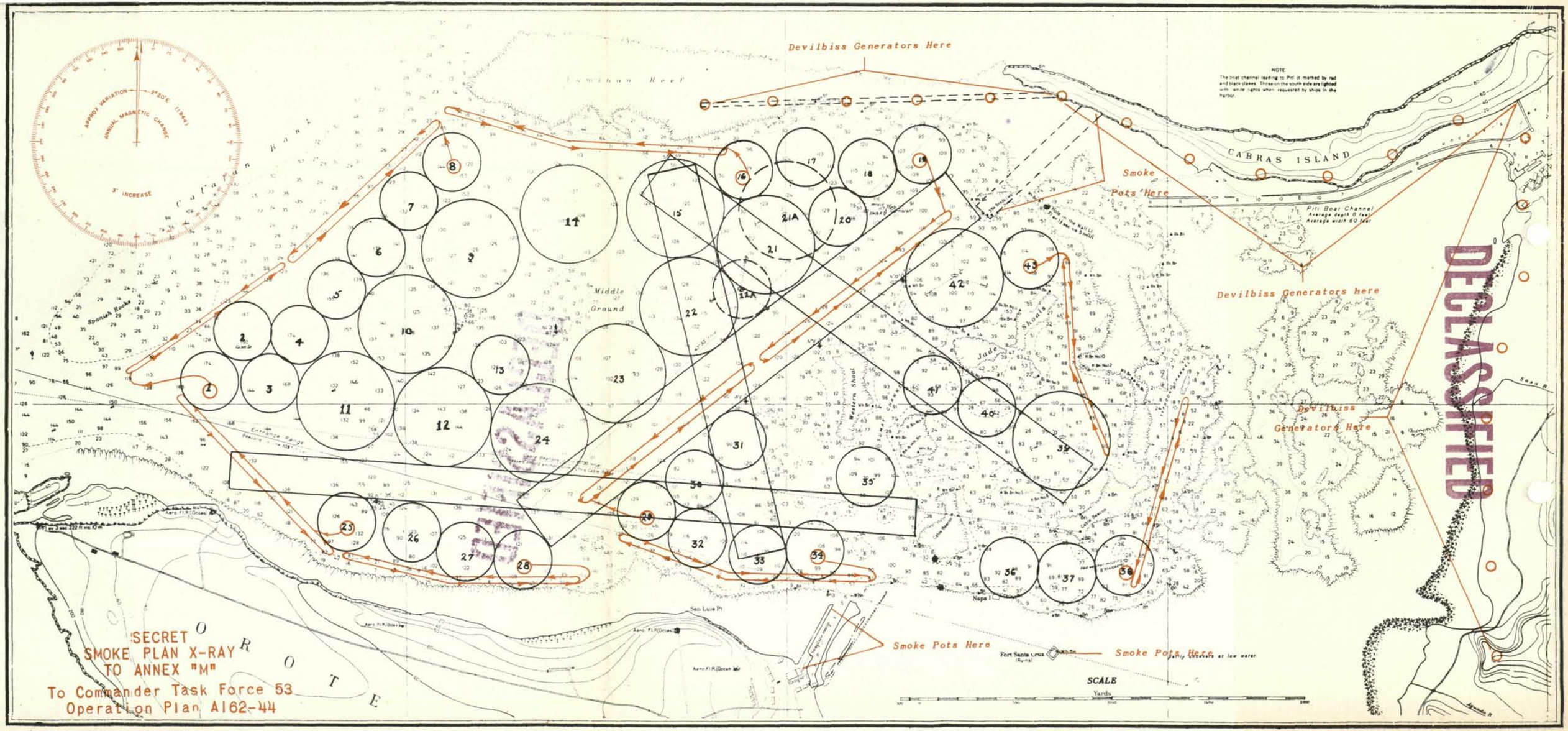
ENCLOSURE: Diagram - Smoke Mission X-Ray.

DISTRIBUTION:

Same as CTF-53 Operation Plan No. A162-44.

S. H. HAHN,
Flag Secretary.

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Devilbiss Generators Here
Smoke Pots Here
Devilbiss Generators here
Devilbiss Generators Here
Smoke Pots Here
Smoke Pots Here
CABRAS ISLAND
Middle Ground
Jade Shoals
Western Shoal
Spanish Rocks
Entrance Range
Napa I
Fort Santa Cruz (Ruins)
San Luis Pt
SCALE
Yards
NOTE
The boat channel leading to Piti is marked by red and black stakes. Those on the south side are lighted with white lights when requested by ships in the harbor.
Piti Boat Channel
Average depth 8 feet
Average width 60 feet
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SECRET
SMOKE PLAN X-RAY
TO ANNEX "M"
To Commander Task Force 53
Operation Plan A162-44

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Retirement Plan
No. A166-44

(3) 53.3.5 Transport Screen — Captain Thompson
Screening vessels as assigned.

(4) 53.1.1 Salvage Unit
APACHE, GRAPPLE

(d) 53.2 Retirement Group 53 Baker — Rear Admiral Reifsnider

(1) 53.4 Southern Transport Group — Captain McGovern

TransDiv 4
TransDiv 6
CARTER HALL
LIPAN

(2) 53.2.1 Transport Screen — Commander Crommelin
Screening Units as assigned.

(e) 53.16 Retirement Group 53 Cast — Captain Carter

Units of Tractor Group Three as constituted in CTF-53 Movement Order No. A163-44.

(f) 53.17 Retirement Group 53 Dog — Commander McFall

Units of Tractor Group Four as constituted in CTF-53 Movement Order No. A163-44.

1. Information.

Part II - CTF-51 Coordinated Retirement Plan No. A17-44, Annex (S) to ComTaskFor-51 Operation Plan No. A10-44 - Major Battle Plan.

2. This force when directed will retire from and return to assigned objectives in accordance with CTF-51 Coordinated Retirement Plan and as herein prescribed.

3. (a) Covering Group Two.

Be prepared, on signal from CTF-50, to execute one of the following four plans.

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Retirement Plan
No. A166-44

(1) Plan One.

(a) Fire Support Unit One (TG 53.5.1) join TG 53.7, and closely cover that group along route or in area to be designated.

(b) Fire Support Unit Two (TG 53.5.2) join and closely cover TG 53.2 during its retirement.

(c) Fire Support Unit Three (TG 53.5.3) join and closely cover TG 53.1 during its retirement.

(2) Plan Two.

(a) Fire Support Unit One (TG 53.5.1) join and cover TG 53.7 as in Plan One.

(b) Fire Support Units Two (TG 53.5.2) and Three (TG 53.5.3) concentrate and from a distance of 10 to 25 miles to westward (or in direction of most probable enemy approach) cover the retirement of both TG's 53.1 and 53.2.

(3) Plan Three.

If transports do not retire at night:

(a) Fire Support Unit One (TG 53.5.1) join and closely cover TG 53.7 as in Plans One and Two.

(b) Fire Support Units Two (TG 53.5.2) and Three (TG 53.5.3) concentrate and cover approaches to Harbor or Transport Areas from areas to be assigned.

(4) Plan Four.

(a) Fire Support Units One, Two and Three concentrate. Join or otherwise cooperate with Covering Group One of the Northern Attack Force for the purpose of destroying enemy forces which may seek to attack Retirement Groups, Carrier Support Groups or shore positions.

(b) Carrier Support Group Three.

Be prepared, on signal from CTF-53 to execute one of the following two plans:

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Retirement Plan
No. A166-44

(1) Plan One Seven.

Task Units 53.7.1 and 53.7.2 with attached screens remain within mutually supporting distance of each other. Operate in areas as assigned covered by BatDiv-3 or other units as designated.

(2) Plan Two Seven.

In the event Covering Group Two is directed to concentrate and join Covering Group One, TU 53.7.2 will cooperate with Carrier Support Group Two in providing cover and support for both Covering Groups.

(c) Retirement Group 53 Able.
(d) Retirement Group 53 Baker.
(e) Retirement Group 53 Cast.
(f) Retirement Group 53 Dog.

Depending on the tactical situation ashore, the progress of the unloading and information on enemy forces (surface and air), Retirement Groups will be directed to retire along routes to be assigned or to remain at anchor or underway off respective beaches and continue unloading.

(x) (1) This Plan effective when Retirement Groups arrive at their respective objectives.

(2) See Appendix "1" to Part II, Annex (S) to CTF-51 Operation Plan A10-44 for Retirement Routes.

(3) Initial and Returning Route Points are as follows:

Point	Latitude (N)	Longitude (E)
SCAMP	13-26.5	144-23
THUG	13-28.5	144-24
WRETCH	13-28	144-26
EATON	13-29.2	144-29
ROWDY	13-33	144-30
CULPRIT	13-32	144-32.5
ROUGHNECK	13-31	144-34
CRIBBAGE	13-46	144-45
MIDDLEBURY	13-28	145-00
RASCAL	13-26.5	145-00
CRIMINAL	13-19	144-57.5
BULLY	13-17	144-55

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ANNEX "M" TO CTF-53 OPERATION PLAN NO. A162-44 (cont'd)

Retirement Plan
No. A166-44

4. - - - - - - - - - - - - - - - - - -.

5. (a) Communications in accordance with Annex "E" to CTF-53 Operation Plan No. A162-44.

R. L. CONOLLY,
Rear Admiral, U.S. Navy,
Commander Task Force FIFTY-THREE.

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ANNEX "M" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

2 June 1944.

PART III

REENFORCEMENT OF FIFTH FLEET FOR MAJOR ACTION

Reference: (a) CTF-51 Operation Order No. A16-44 (Reenforcement of Fifth Fleet for Major Action).

1. Reference (a) assigns one Destroyer Squadron (8 DD) and one Destroyer Division (4 DD) of Task Force 53 to the Southern Reenforcement Group (TG 50.6).

2. Unless otherwise directed, the following Destroyer Units are assigned to TG 50.6.

DesRon 45 (less one DD)	-	8 DD
DesDiv 2	-	4 DD

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Appendix 1 to Annex III
to
Ops. Order A162-44

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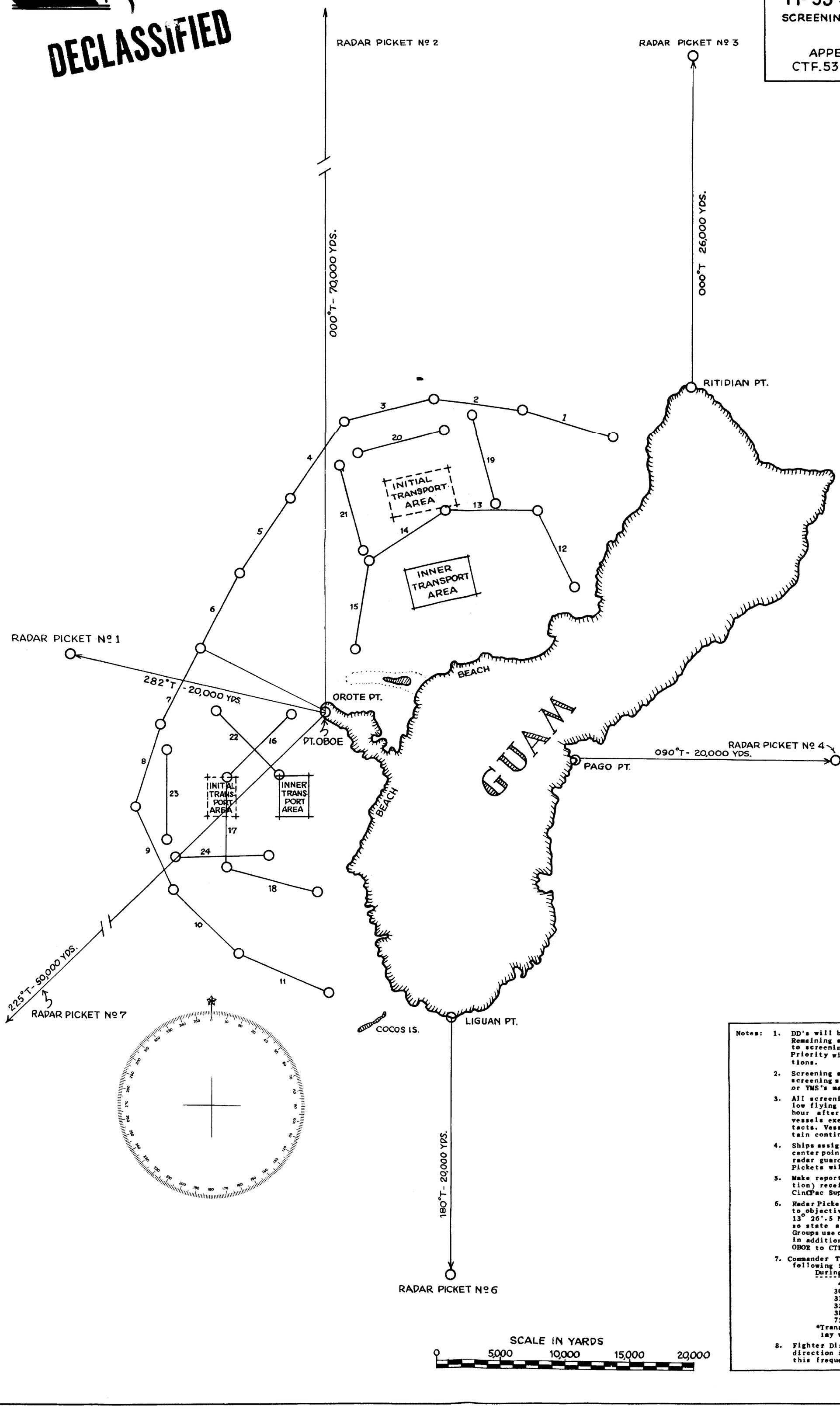
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TF 53 SCREENING DIAGRAM

SCREENING AND RADAR PICKET STATIONS

- GUAM -

APPENDIX "ONE" TO ANNEX "M" TO
CTF.53 OPERATION ORDER Nº A162-44



Notes:

1. DD's will be assigned to Radar Picket Stations by CTF-53. Remaining screening vessels as available will be assigned to screening stations by the Senior Officer of the screen. Priority will be given to filling the outer screening stations.
2. Screening stations shown are 7000 yards long. Additional screening stations close inshore to be filled by PC's, SC's or YMS's may be assigned by the SOPA in each area.
3. All screening vessels maintain special surface search for low flying aircraft from one hour before sunset until one hour after sunrise, and during the same period equipped vessels exercise gunnery control radars to develop contacts. Vessels in screening stations 3, 6 and 9 will maintain continuous surface and air radar search.
4. Ships assigned Radar Picket stations patrol generally around center point shown on diagram maintaining general all around radar guard. If Fighter Direction teams are embarked, Radar Pickets will be used for fighter director purposes.
5. Make reports on L.A.W., 3115 kcs (2716 Kcs during consolidation) receipt method in accordance article 6185 of USF 10A, CinCPac Supp. and article 1179 of CentCom TWO.
6. Radar Pickets and vessels screening transport areas adjacent to objective use point OBOE (on Orote Penninsula - Lat. 13° 26'.5 N., Long. 144° 37'.5 E) as reference point and so state as follows: 'from OBOE'. Carrier and Covering Groups use center of own disposition as reference point and in addition, report bogey position in relation to point OBOE to CTF 53.
7. Commander Task Force 53 will broadcast warnings on the following frequencies:

During Assault*	During Consolidation
469 kcs	355 kcs
3000 kcs	3000 kcs
3115 kcs	2716 kcs
33.2 mcs	33.2 mcs
38.7 mcs	34.8 mcs
72.1 mcs	72.1 mcs

*Transports Having beach parties ashore will relay warnings to beach parties.

8. Fighter Direction vessels use 37.6 mcs for inter fighter direction information. In event distance precludes use of this frequency, use the HF fighter direction net.

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Task Force 53
6 June 1944.

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ANNEX "N" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

1. Annex "N" has been issued as Harbor Attack Plan No. A168-44 and forwarded with Alternate Attack Plan No. A167-44.

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Commander Task Force FIFTY-THREE.

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[redacted] ANNEX "O" TO
COMMANDER TASK FORCE FIFTY-THREE
OPERATION PLAN NO. A162-44

Copy No. 546

2 June 1944.

SOPA INSTRUCTIONS

1. PURPOSE

(a) SOPA Instructions are promulgated to standardize as far as practicable, procedure to be followed under various conditions that may obtain during the assault and occupational phase at GUAM. They will become effective 0001 Zone Minus Ten time WILLIAM Day.

(b) Nothing herein is intended to curtail the initiative of authority of individuals in taking action when faced with situations not covered.

2. ENTRY INSTRUCTIONS (APRA Harbor)

(a) Pilotage service will be established initially by Commander Southern Attack Group (CTG 53.2) in accordance with Annex "K" (Minesweeping and Hydrographic Plan). All incoming ships will be met west of OROTE Point. Each heavy ship proceeding for the first time into anchorages, and the leader of each group of light ships, on first arrival, will have a pilot placed on board by the assigned pilot vessel. The pilot will conduct the ship or ships to assigned anchorages, clear of nets and mine fields, (if any located), and will deliver anchorage and harbor charts to each ship.

(b) Except in emergency, ships will not enter or leave the Harbor during darkness.

3. ANCHORAGE INSTRUCTIONS

(a) GUAM anchorage charts for (1) APRA Harbor, (2) ASAN Anchorage, and (3) AGAT Anchorage, are appendices "1", "2" and "3" respectively to Annex "K", CTF-53 Operation Plan No. A162-44.

(b) All berths in APRA Harbor will be assigned by Commander Southern Attack Group (CTG 53.2).

4. SECURITY

Security measures to be taken at the objective are covered in Part I of Annex "M", Protective and Night Cruising Plan at Objective. The following subjects are covered in that Annex:

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A. General
B. Anti-Submarine Defense
   (1) Screening
   (2) Hunter-Killer A/S Tactics
   (3) A/S Air Patrol
C. Defense Against Air Attack
   (1) General
   (2) Air Raid Procedure
   (3) Opening Fire
   (4) Fighter Direction and Radar Pickets (Appendix "7' to Annex "F")
   (5) General Smoke Plan
   (6) Smoke Mission X-Ray (APRA Harbor)
D. Anchorage and Harbor Patrol

5. SEAPLANE OPERATIONS

(a) After APRA Harbor is captured, a seaplane tender will be brought in and patrol planes, based on the tender, will conduct search flights and anti-submarine patrols, operations, etc. Operations of patrol planes may require that planes return after dark. The seaplane landing area is shown on Anchorage Chart, Appendix "1" to Annex "K", CTF-53 Operation Plan No. A162-44. All small boats shall keep clear day and night of the NE-SW seaplane landing area and the seaplane anchorage areas shown on this chart. Any boats unavoidably in the area because of engine failure or other reason, be prepared at night to display running lights or to direct a flashing white light in the direction of planes approaching for a landing.

(b) During flight operations the seaplane tender will display three vertical RED lights. All ships in APRA Harbor shall display RED truck lights when the seaplane tender has her RED lights on. Follow the movements of seaplane tender in turning on and off. During blackout for air alerts, planes will be directed not to land, and blackout shall be maintained until the air alert is over.

(c) Requests for local flights by ship-based aircraft shall be made to the SOPA.

(d) Until a patrol plane tender is available, single patrol planes may be moored astern of the flagship of the SOPA and other designated vessels.

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6. LOGISTICS

(a) Fuel.

(1) Each naval vessel after entering shall submit a fuel report immediately to its Group Commander. This initial report shall include:

(a) Burnable capacity.
(b) Fuel on hand as of 1200 (Local Time).
(c) Fuel expended during previous 24 hours. Subsequent reports shall be made as of local noon daily and shall include (a) and (b) only. All reports shall be made in barrels. Each Group Commander shall keep the SOPA advised as to the fuel requirements of his group.

(2) SOPA will issue fueling instructions to individual ships until a Service Force Command is established.

(3) Each ship after receipt of fueling instructions and compliance therewith shall report by visual "thirty minutes to go", "completion", and "amount received". "Thirty minutes to go" shall be indicated also by hoisting Prep at both yardarms. Fueling reports at night shall be made by VHF voice radio. Next ships to fuel shall be prompt in taking position.

(4) Special orders for tankers - Upon arrival report to the SOPA and to the office of the Port Director, when established, by most expeditious means, as follows:

Cargo Report A - Fuel oil
B - Diesel
C - Av Gas
D - Lube Oil

Fuel oil and diesel shall be reported in barrels, lubricating oil in drums, and aviation gas in gallons. If aviation gasoline is in drums so report. Report also any ammunition, stores, and provisions available for transfer. Report water immediately available for issue and quantity which can be made available daily thereafter. Report availability of items A, B, and C above at noon daily.

(5) A fuel and stores ship for local craft will be designated after completion of the assault phase.

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(b) Water, Provisions and Stores.

(1) The SOPA will arrange for delivery of fresh water by naval vessels present to LST's and small craft.

(2) All vessels prior to leaving for a port where water, provisions and stores may be obtained, shall make available to the Island Commander any excess beyond the quantities required to meet needs for the voyage. The shore establishment and ships of the local defense force must be supplied to the limit of the capacity of forces afloat.

(3) Storage space for fresh and dry provisions and water in small craft is limited and requires constant replenishment. It is necessary that large vessels be prepared to supply provisions, water, and fuel on call to small vessels and troops.

7. UNLOADING

(a) Commander Southern Attack Group, CTG 53.2, as Second in Command, TF-53, and direct representative of CTF-53, is in general charge of all unloading.

(b) The unloading of ships is of prime importance and, after completion of the assault phase, has priority over all other activities in the area except preparations for further assault operations and the repelling of enemy attack. It is expected that other work will proceed concurrently, but when there is any conflict, unloading shall have first priority.

8. MISCELLANEOUS

(a) U.S. and Guard Mail.

(1) Guard mail will be distributed initially by dispatch boats. Details of arrangements will be promulgated by signal.

(2) Until a post office can be established ashore at GUAM, a temporary Fleet Post Office will be set up in LST 476 in APRA Harbor. Division flagships will make mail trips at 1000 daily for their divisions, for guard mail and U.S. mail. Guard Mail Petty Officers and Mail Clerks shall be provided with suitable authorization and identification cards by Commanding Officers of ships or by the senior naval officer in duty status on board merchant ships. All commands entering the anchorage shall send to SOPA for any necessary instructions or guard m

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(3) Outgoing mail shall be censored by the ship of origin. Mail originating with naval personnel shall be censored by the regularly appointed censors, or in the case of Naval Groups embarked in Merchant vessels, at the direction and under the supervision of the Senior Naval Officer in a duty status on board. The Armed Guard Officer is the authorized censor. Mail originating with civilians on board Merchant vessels may be censored as above in which case it is immediately cancelled and forwarded to the nearest District Postal Censor Office.

(b) Officer Messenger Mail will be distributed initially by dispatch boats. After establishment of the Fleet Post Office, officer messenger mail will be handled at the Mail Center at the post office. One messenger shall draw mail for each division or group of ships, making his trip preferably at the time of the Guard and U.S. Mail trip. He must have an authorization from each Commanding Officer for whom mail is drawn for each mission.

(c) Boating in the Harbor - Ships are expected to use their own boats as far as practicable. When necessary, boats may be requested from the Island Commander (SOPA initially), who will direct the boat pool to furnish them as availability permits. It must be remembered that the number of boats is limited, and that requirements may exceed the supply when ships are discharging cargo. Requests should therefore be carefully considered. Instructions covering boat service will be issued by the Port Director. Boating at night shall be held to a minimum consistent with military needs. Boat coxswains shall be instructed to be on the lookout for planes landing and taking off, to show lights at night during plane operations, and to pass plane moorings at speeds not to exceed three (3) knots. Boat landings will be established in APRA Harbor as soon as practicable. If boats are to wait for any considerable period, they shall be equipped with anchor gear and anchor well off the dock.

(d) Mail for Small Craft not having Boats - Arrangements for delivery and collection will be made by the Port Director (SOPA initially) on request; Type commanders only of small craft shall make mail arrangements for their type.

(e) Garbage and Trash - No garbage or floatable trash shall be dumped by ships anchored in APRA Harbor ASAN and AGAT Anchorages. If facilities are not available for incinerating garbage and floatable trash this refuse shall be retained on board for later disposal at sea or carried by boat beyond the western reefs and dumped at sea. Trash and garbage service will be established by the Port Director as soon as practicable.

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(f) Liberty

(1) No liberty will be granted.

(2) After completion of the assault phase the SOPA will authorize Flag Officers to send personnel ashore only on official business which cannot be conducted on board. Persons visiting the shore must carry official identification and authority for that particular visit, signed by the Commanding or Executive Officer or by the Senior Naval Officer in a duty status attached to merchant vessels.

(g) Swimming over the side - will be authorized by the SOPA, at the discretion of Commanding Officers, as soon as conditions ashore permit. In all cases adequate provision must be made for the safety of men in the water.

(h) Air and Surface Transportation.

(1) Requests for surface transportation ashore should be made on the Island Commander.

(2) Requests for air or surface transportation to points outside the Island should be made on the SOPA, who will issue the necessary instructions.

(3) After completion of the assault phase, ships arriving submit to SOPA:

(a) Total number of passenger officer accomodations.
(b) Number on board.
(c) Total number of passenger enlisted accomodations.
(d) Number on board.

(i) Medical Facilities

After departure of the transports, and until suitable facilities for the care of the sick are established ashore, casualties and patients may be sent on board the flagship of the SOPA without requesting permission. Notify the flagship that patients are to be sent stating number, time of arrival, and whether ambulatory or stretcher. Casualties will be returned to duty, retained if not evacuable, or evacuated by air or ship as may be considered most suitable. If facilities are not available afloat for handling casualties and patients they shall be held ashore pending completion of arrangements for disposition.

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(j) Burials - Cemeteries will be established ashore. Arrangements for Burial can be made with the Island Commander (Grave Registration Service). The services of a Chaplain will be available. A working party should be sent ashore the day before, or several hours in advance of interment, to dig the grave. The SOPA will make burial arrangements on request until the Island Commander is established.

(k) Munitions - All persons ashore are cautioned against handling or moving duds or other munitions such as grenades. There will be a large quantity of all types, both above and below the ground. All are potentially dangerous.

(l) Sightseeing - is not permitted. Permission for officers and specialized ratings to visit the shore for purpose of conducting official inspections will be obtained from SOPA.

(m) Souvenirs - No material of enemy origin shall be appropriated by individuals.

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Commander Task Force FIFTY-THREE.

DISTRIBUTION:

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S.H. HAHN,
Flag Secretary.

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