

OPERATION_ORDER 2/66 – OPERATION TRISIDER

ANNEX I — Operation Order 2/66 — Operation Trisider

One of thirteen annexes (A–M) to “War in Vietnam: A Surveyor’s Story”, by Lieutenant Colonel Robert Francis Skitch (Retd), 1934–2026 — Officer Commanding, Detachment 1st Topographical Survey Troop, Nui Dat, 1966–67.

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ANNEX I

Det 1 Topo Svy Tp
1ATF
NUI DAT

21 Nov 66

See Distribution List

OPERATION ORDER 2/66 OPERATION TRISIDER

(Scanned and transcribed from original)

1. SITUATION

a. En: No part of the area of survey operations should be considered as completely secure. En interference with the operation is not likely, however north of northing 1148000 the possibility of sniper fire should be realised.

b. Own Forces: Det 1 Topo Svy Tp Survey Party will comprise of elements of Det 1 Topo Svy Tp, Det 131 Div Loc Bty and A Bty 2/35 Artillery Bn. Details of personnel are included as Annex A

2. MISSION

a. Det 1 Topo Svy Tp Survey Party is to provide 3rd order position and azimuth at batteries located at the following grid references; YS382618 YS468778 YS255740 YS648692.

3. EXECUTION

a. General: Position will be based on the Indian Datum 1960 as defined by the new listed values of the 3rd order point CAP ST JACQUES GR YS287419. Thus all points established will be connected to third order station CAP ST JACQUES. An attempt will be made to connect to any existing major or minor order station within the area of Survey Operation as defined below:

b. Area of Operation will be bounded by the following grid lines:

Easting	720000	770000
Northing	1140000	1180000

c. Phases: - The operation will be carried out in the following phases:

(1) Phase 1 VUNG TAU Area.

(a) Effect connexion from Point No 16
(3rd order) YS299450 to CAP ST JACQUES.

(b) Establish 3rd order position on NUI LON
Hill in vicinity of GR YS 262473 from triangle

Point No 16 - THANH MINOR - NUI LON.

(c) The following lines will be measured to 3rd order specifications:

(d) The following directions will be observed to 3rd order specifications:

at CAP ST JACQUES
NUI DAT (AAS 001)
Point No 16

at Point No 16
CAP ST JACQUES
NUI LON

at AZIMUTH MARK
CAP ST JACQUES
RADAR LIGHT
Point No 16

at NUI LON
Point No 16
THANH MINOR
BARIA BATTERY

at THANH MINOR
Point No 16
NUI LON

(e) In the vicinity of the ALSG Back Beach area establish 4th order points to provide basic control for an Engineer Cantonment Survey.

(2) Phase 2 BARIA Area

(a) Establish 3rd order control station in vicinity of ARVN Bty at BARIA (AAS 005).

(b) Measure the following lines to 3rd order specifications.

BARIA - NUI LON (AAS 004)

BARIA - NUI DAT (AAS 001)

(c) Observe the following directions

NUI LON

NUI DAT

(3) Phase 3 - BINH GIA Area.

(a) Establishing 3rd order station on knoll to south of BINH GIA (AAS 006).

(b) Measure the following lines:

BINH GIA - NUI LON

BINH GIA - DUC THANH (AAS 007)

(c) Observe the following directions:

BINH GIA - NUI LON
BINH GIA - DUC THANH

(d) Establish 4th order photo point at eastern end of BINH GIA village by chain and theodolite traverse.

(e) Connect line from DUC THANH to Arty Station PENN by chain and theodolite traverse measured along LTL2.

(f) Dependent upon result of connection to PENN, carry out further connection from BINH BA water tower to NUI LON,

(4) Phase 4 - PHU MY Area.

(a) Establish 3rd order station in vicinity of PHU MY Battery (AS007).

(b) Measure line PHU MY - NUI LON.

(c) Observe AM - PM sun azimuth on line PHU MY - NUI LON, or an arbitrary azimuth line.

(5) Phase 5- XUYEN MOC Area.

(a) Carry out map and air reconnaissance to determine best possible means of establishing 3rd order station in vicinity of XUYEN MOC.

d. Vertical observations will be carried out on all lines.

e. Technical Specification. All survey tasks will be carried out in accordance with RA Svy practice as specified in Corps manuals unless otherwise directed by OC Det 1 Topo Svy Tp. Specifications relevant to Operation TRISIDER are listed in Annex B.

f. Barometer calibrations. Calibration of Aneroid Barometers will be carried out at VUNG TU Air Base during Phase 1.

g. Recording will be carried out in duplicate. Original copies will be returned to Det HQ at intervals of not greater than 1 week.

h. Station Marking. Stations established by Det 1 Topo Svy Tp Svy Party will be marked with a RA Svy bronze mark set in concrete. Three recovery marks consisting of cartridge cases set in concrete will be positioned and in addition to these a further reference mark consisting of a permanent existing feature (eg building) will be connected to wherever possible.

i. Protection will be organised as required by OC Det 1

Topo Svy Tp.

j. Timings. Survey Party will depart 1 ATF base area for VUNG TAU on 21 Nov 66. The following schedule of timings will be adhered to as far as possible.

Phase 1	21 Nov 66	-	30 Nov 66
Phase 2	2 Dec 66	-	4 Dec 66
Phase 3	5 Dec 66	-	10 Dec 66
Phase 4	11 Dec 66	-	14 Dec 66
Phase 5	15 Dec 66	-	20 Dec 66

4. ADM AND LOG

a. Transport: Svy party will take the following vehicles:

Truck $\frac{3}{4}$ ton GS 113 130	-	1 Topo Svy Tp
Trailer $\frac{1}{2}$ ton	-	1 Topo Svy Tp
Truck $\frac{3}{4}$ ton FFR 111 434	-	Det 131 Div Loc
Truck $\frac{3}{4}$ ton US & Trailer	-	A Bty

b. Accommodation.

(1) Phase 1: - Svy Party will be rationed and quartered at 1 ALSG Transit Depot during phase 1 of Op TRISIDER.

(2) Phase 2: - BARIA Party will operate from 1 ATF Base Area.

(3) Phase 3: - BINH GIA party will be accommodated at DUC THANH Compound during phase 3. Rationing will be from 24 hour packs.

(4) Phase 4: - To be notified.

c. Weapons and Ammunition

(1) Except in the proclaimed 'no weapons area' of VUNG TAU, personal weapons will be carried at all times. States of readiness will be as follows:

(a) In secured areas outside of VUNG TAU city area - no mag on, full mag in pouch.

(b) In unsecured areas full mag on, working parts forward.

(2) Ammo as follows will be carried:

SLR - 120 rounds per man

OMC - 180 rounds per man

d. Stores and Equipment

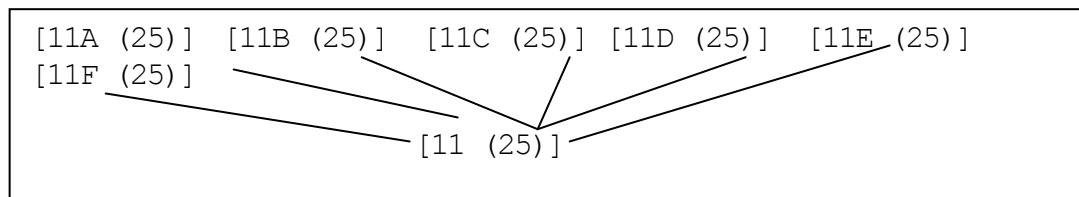
- (1) All stores and equipment other than compasses prismatic and binoculars will be issued on AAF 1A. Compasses prismatic and binoculars will be issued on AAF F12 to members nominated by NCO I/C.

5. COMMAND AND SIGNALS

a. Sgt S.R. Campbell as NCO I/C of Det 1 Topo Svy Tp Survey Party as listed in Annex A. In the event of Sgt Campbell being withdrawn from the party for any reason, S/Sgt R.E. Glasgow will assume Comd, and thence in order of rank and seniority.

b. Communications: Survey Party will carry ANPRC 25 sets.

- (1) Call signs



- (2) Frequency 59.25

- (3) Call words.

18 - 24 GOLF FOXTROT

24 - To be notified.-

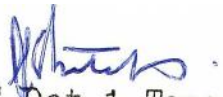
- (4) Nick names:

BASE AREA	HAPPY TOWN
CAP ST JACQUES	FOOT REST
LIGHT HOUSE	APPLE SAUCE
NUI LON	LONG ROPE
POINT NO 16	ROSE ROLL
AZIMUTH MK	DEAD DOG
THANH	JOLLY SPRING
BARIA	HOLLOW LOG
NUI DAT	WELCOME CITY
BINH GIA	CRAZY PLACE
PHU MI	NUT CAKE
XUYEN MOC	PEN GRIP

- (5) Appointment Titles:

OC Det 1 Topo Svy Tp	STADIA MAJOR
NCO/IC Svy Party	STADIA
US Element	MICRO
Det 131 Div Loc Elm	ASTRO
Det 1 Topo Svy Tp Elm	GEOID

(6) Schedules: NCO/IC is responsible for maintaining internal schedules within the Survey Party. A rear link schedule will be held at 0730 hours daily.

 Capt
OC Det 1 Topo Svy Tp

Annexes A. Det 1 Topo Svy Tp Survey Party Nominal Roll
 B. Technical Specifications.

Distribution

HQ 1 ATF
Det 131 Div Loc Bty
1 Fd Regt
A Bty 2/35 Artillery Bn
8th Tgt Acq Bn, 25th Artillery 2 FFV Artillery
66 Eng Co(Topo) (Corps) - LONG BINH
File
1st Bn 83rd Artillery.

Annex A to Operation Order
2/66 OPERATION TRISIDER

DET 1 TOPO SVY TP SURVEY PARTY

NOMINAL ROLL

36616	Sgt	Campbell	Det 1	Topo	Svy	TP
54467	Spr	Firns	Det 1	Topo	Svy	TP
1731045	L/Bdr	Sellwood (NS)	Det 131	Div	Loc	Bty
2781996	Gnr	Whittle (NS)		do		
1200577	Gnr	Moreau		do		
2782434	Gnr	Lock (NS)		do		
3787334	Gnr	Earwicker (NS)		do		
2782129	Gnr	Killworth (NS)		do		
RA27094307	S/Sgt	Glasgow	A Bty	2/35		
US55834299	PFC	Bach		do		
US52622237	PFC	Renzo		do		

TECHNICAL SPECIFICATIONS

1. TELLUROMETER MEASUREMENT.

- a. The following procedure will constitute a 3rd order tellurometer determination between station A and Station B.

Mets - Both terminals

Course figure A to B

10 fine readings A to B

Course figures A to B

Mets - both terminals

10 fine readings B to A

Course figures B to A

Mets - both terminals

Fine readings to be spread over entire readable cavity range

2. THEODOLITE OBSERVATIONS

Horizontal observation: 4 arcs on following settings

00 00 30

270 05 45

180 10 15

90 15 00

Vertical observations - 4 face left and 4 face right pointings.

3. RECOVERY MARKS

- a. Distances to be measured to 0.01 feet. Directions one round of angles on face left and face right.