ARTILLERY

VIETNAM

DEPARTMENT OF THE ARMY
HEADQUARTERS, 23D ARTILLERY GROUP
APO 96289

COMMANDER'S MESSAGE

1. Too often in our military environment we see instances of the "wheel being reinvented." The purpose of *Artillery Vietnam* is to avoid repetitious solving of some artillery problems by publishing a pictorial digest of artillery materiel, employment, movement, and construction as used in Vietnam. The 23d Artillery Group with six assigned battalions has every caliber of cannon in the US Army inventory. Because of the variety of missions assigned to its subordinate units, the 23d Group in this volume is able to present a well-balanced summarization of "how it was done in Vietnam." Also included is a brief look at what is sometimes called the "other face of the war" or what else we are doing in Vietnam besides shooting artillery. Gadsden Village, our sponsored refugee village, has been recognized as the outstanding American civic action project in Vietnam.
2. This publication is intended for the orientation of newly assigned personnel in the Group. Others may find it useful as a reference book.
3. I wish to recognize the efforts of LTC Calvin J. Landau, former Group Executive Officer, who was the dedicated manager of this effort. Assisting him were Major Thomas DeYoung, Captain Leonard Yoblonski, Major Walter Vaughan, and the project officers and noncommissioned officers in each assigned battalion. The outstanding photographic support was provided by the 221st Signal Company. Most importantly, special appreciation on a continuing basis goes to the valiant cannoneers of the Group whose tremendous drive and hard labor have provided that which we have recorded.

HAROLD G DE ARMENT
COL FA
Commanding

ARTILLERY VIETNAM

A Publication of The 23d Artillery Group

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ARTILLERY VIETNAM is an authorized publication of the 23d Artillery Group. It is published to tell what is different about artillery in Vietnam. Views and opinions expressed herein are not necessarily those of Department of the Army.

23d ARTILLERY GROUP
APO San Francisco 96289

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1st Battalion, 27th Artillery
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2d Battalion, 32d Artillery

In none of our previous combat experience has the value of artillery been greater both in inflicting losses on hostile forces and in minimizing those of our own Infantry.

Mathew B. Ridgway,
General, U. S. A.
U. S. News & World Report,
September 1951

MATE

105MM Howitzer M101A1

Maximum Range	11,000 Meters
Minimum Elevation	−89 Mils
Maximum Elevation	1156 Mils
Maximum Right Traverse	409 Mils
Maximum Left Traverse	400 Mils

105MM Howitzer M102

Maximum Range	11,500 Meters
Minimum Range	−89 Mils
Maximum Elevation	1,333 Mils
Maximum Right Traverse	6,400 Mils
Maximum Left Traverse	6,400 Mils

155MM Howitzer M114

Maximum Range	14,600 Meters
Minimum Elevation	0 Mils
Maximum Elevation	1,156 Mils
Maximum Right Traverse	448 Mils
Maximum Left Traverse	418 Mils

155MM Howitzer M109(SP)

Maximum Range	14,600 Meters
Minimum Elevation	−53 Mils
Maximum Elevation	1,333 Mils
Maximum Right Traverse	6,400 Mils
Maximum Left Traverse	6,400 Mils

8" Howitzer M110(SP)

Maximum Range	6,800 Meters
Minimum Elevation	+35 Mils
Maximum Elevation	1,156 Mils
Maximum Right Traverse	533 Mils
Maximum Left Traverse	533 Mils

175MM Gun M107(SP)

Maximum Range	32,700 Meters
Minimum Elevation	+35 Mils
Maximum Elevation	1,156 Mils
Maximum Right Traverse	533 Mils
Maximum Left Traverse	533 Mils

RIEL

Weight in Firing Position.....4,980 Lbs
Weight Traveling.....4,980 Lbs
Maximum Rate of Fire.....10 rds/min
Sustained Rate of Fire.....3 rds/min
Tube Life (Full Service Rds)
M2A1—5,000 rds M2A2—7,500 rds

105 mm

Weight in Firing Position.....3,017 Lbs
Weight Traveling.....3,140 Lbs
Maximum Rate of Fire.....10 rds/min
Sustained Rate of Fire.....3 rds/min
Tube Life (Full Service Rds).....5,000 rds

155 mm

Weight in Firing Position.....12,700 Lbs
Weight Traveling .....12,700 Lbs
Maximum Rate of Fire.....4 rds/min
Sustained Rate of Fire.....1 rd/min
Tube Life (Full Service Rounds)
M1—2,000 rds M1A1—7,500 rds

8in

Weight in Firing Position.....52,461 Lbs
Weight Traveling.....52,461 Lbs
Maximum Rate of Fire.....4 rds/min
Sustained Rate of Fire.....1 rd/min
Tube Life (Full Service Rds)
M126—5,000 rds M126A1—7,500 rds

Weight in Firing Position.....58,500 Lbs
Weight Traveling .....58,500 Lbs
Maximum Rate of Fire.....1.5 rds/min
Sustained Rate of Fire.....0.5 rds/min
Tube Life (Full Service Rds).....7,500 rds

175 mm

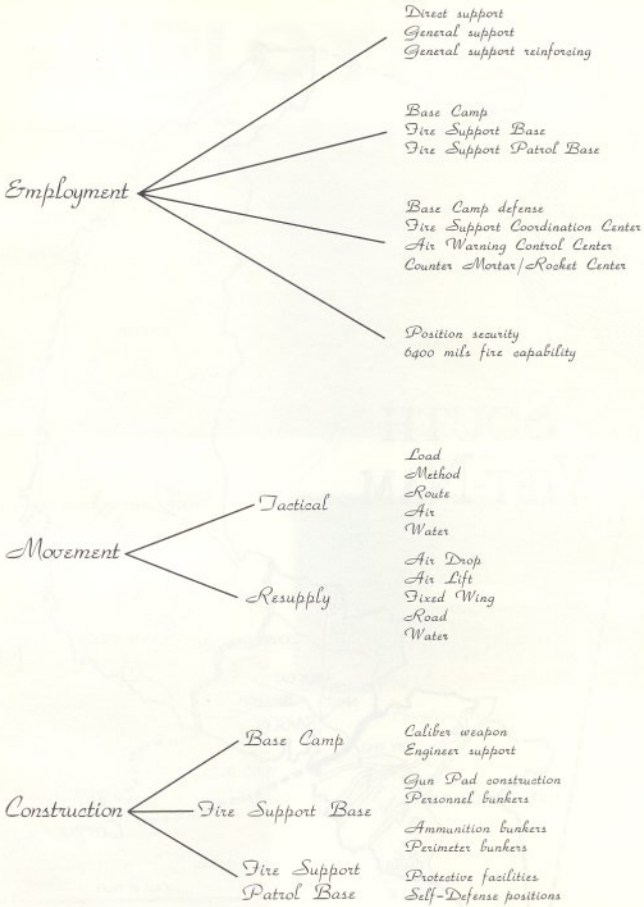
Weight in Firing Position.....62,100 Lbs
Weight Traveling.....62,100 Lbs
Maximum Rate of Fire.....1.5 rds/min
Sustained Rate of Fire.....0.5 rds/min
Tube Life (Full Service Rds).....400 rds
(Maximum of 300 rds zone 3)

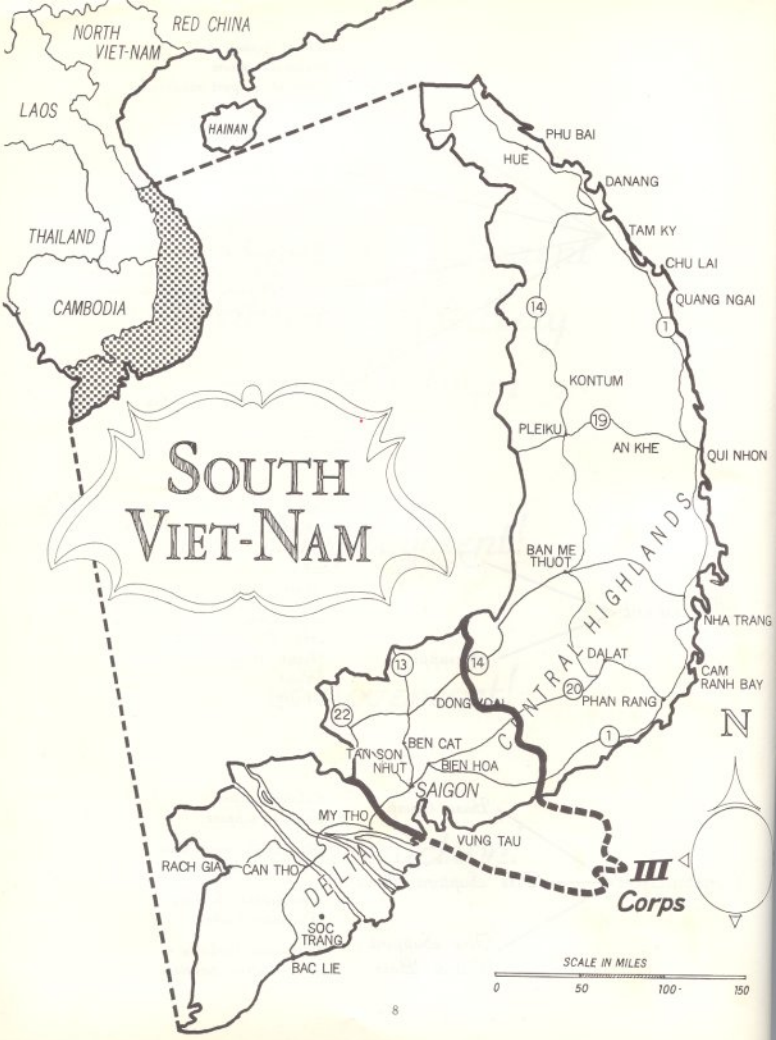
What is different about Artillery in Vietnam?

Employment!

Movement!

Construction!


Employment
Direct support
General support
General support reinforcing
Base Camp
Fire Support Base
Fire Support Patrol Base
Base Camp defense
Fire Support Coordination Center
Air Warning Control Center
Counter Mortar/Rocket Center
Position security
6400 mils fire capability
Movement
Tactical
Resupply
Load
Method
Route
Air
Water
Air Drop
Air Lift
Fixed Wing
Road
Water
Construction
Base Camp
Fire Support Base
Fire Support Patrol Base
Caliber weapon
Engineer support
Gun Pad construction
Personnel bunkers
Ammunition bunkers
Perimeter bunkers
Protective facilities
Self-Defense positions


NORTH VIET-NAM
RED CHINA
LAOS
HAINAN
THAILAND
CAMBODIA
SOUTH VIET-NAM
PHU BAI
HUE
DANANG
TAM KY
CHU LAI
QUANG NGAI
14
1
KONTUM
PLEIKU
19
AN KHE
QUI NHON
BAN ME THUOT
CENTRAL HIGHLANDS
NHA TRANG
13
14
DALAT
CAM RANH BAY
20
PHAN RANG
22
DONG XOAI
1
N
BEN CAT
TAN SON NHUT
BIEN HOA
SAIGON
MY THO
VUNG TAU
III Corps
RACH GIA
CAN THO
DELTA
SOC TRANG
BAC LIE
SCALE IN MILES
0
50
100
150

EMPLOYMENT

Typical Base Camp

In Base Camps

Battalion headquarters and batteries are often located within base camps to provide necessary security.

Battalion Headquarters

Battery In Base Camp

BASE CAMP POSITIONS

105mm

155mm

8"

175mm