

M95/M96 MORTAR FIRE CONTROL SYSTEM VERSION 7.0



TEAM DRILL #1

**UNITED STATES ARMY INFANTRY SCHOOL
INFANTRY MORTAR LEADER COURSE
MTR CO 1ST BATTALION 19TH INFANTRY REGIMENT
FT. BENNING, GEORGIA 31905
AUGUST 2021**

TEAM DRILL 1 SET-UP DATA**UNIT LIST**

Unit Name	URN	Long Name	Device	COMMO	CONFIG
A1	220	A1 2/29 IN	GUN	MFCS	Role: FDC
A2	221	A2 2/29 IN	GUN	MFCS	This Unit Is: FDC
A3	222	A3 2/29 IN	GUN	MFCS	Controlling FSE: FSE1
A4	223	A4 2/29 IN	GUN	MFCS	Commo: VMF 6017A (SWB2)
FDC	225	HHC 2/29 IN	FDC	MFCS	FBCB2 Connection: NONE
FOS1	215	HHC FOS1	FO	6017A	Mode: TRAINING
FSE1	216	HHC FSE1	FSE	6017A	☒ COMMO EMULATION

DATA

Date/Time: CURRENT DTG

Datum: WGS 1984

Audio Alarm: OFF

Target Prefix: CD

Target Number: 0200-0300 next 0200

POSITION**FDC - This Unit Position**

Unit Name	Easting	Northing	Alt	Zone	SQR	Datum
FDC	49950	35150	0350	16R	GA	WGE

Position Data Source: Manual**GUN/FO's - Other Unit Position**

Unit Name	Easting	Northing	Alt	Zone	SQR	Datum
A1	49870	35350	0400	16R	GA	WGE
A2	49870	35300	0400	16R	GA	WGE
A3	49870	34950	0400	16R	GA	WGE
A4	49870	34875	0400	16R	GA	WGE
FOS1	47200	34600	0470	16R	GA	WGE
FSE1	47200	34600	0470	16R	GA	WGE

MAZ REF: For all guns: 5050 **REF:** 2800**CHANNEL A****CHANNEL A THIS UNIT****!!!DISABLE CHANNEL A!!!****Chn A Net Parameters**

TCIM: Inactive/Oper.
 Chn A Status: Inactive/Active
 Protocol: C220
 Device Type: Wire
 Modulation: FSK-188C
 Data Rate: 1200
 Comsec Mode: Plain Text
 FhMode: Single Channel

Unit Name	En	IP Address	Adr
FDC	☒	172.010.029.006	06
A1	☒	172.010.029.008	08
A2	☒	172.010.029.007	07
A3	☒	172.010.029.009	09
A4	☒	172.010.029.010	10
FOS1	☐		05
FSE1	☐		04

EdeMode: FEC-TDC
 Nadmethod: DAPNAD

Chn B Subscribers**!!!DISABLE CHANNEL B!!!**

Netusage: Data Only

Number of Station: 10

Rank: Auto-designated

Unit Name	En	IP Address	Adr
FDC	☒	172.010.002.006	06
FOS1	☒	172.010.002.005	05
FSE1	☒	172.010.002.004	04

CONFIG (A): 9-2_Wire_1200_PT_SC**CONFIG (B): 3-SINGARS_4800_CT_FH****Ammo by Unit****WEAPON M121 CARRIER TEMP 70**

Unit	Lot	Shell	Lot Number	Quantity
A1/2/3/4	A	HE M934A1	1234	100
A1/2/3/4	B	IL M930	4567	100
A1/2/3/4	C	WP M929	8901	200

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SHIFT MISSION

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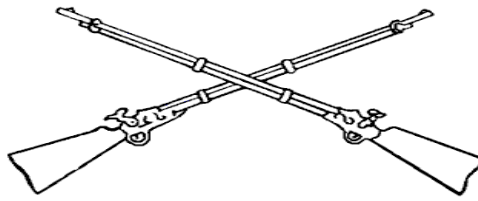
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M95/M96 MORTAR FIRE CONTROL SYSTEM VERSION 7.0



TEAM DRILL #1 SOLUTIONS

**UNITED STATES ARMY INFANTRY SCHOOL
INFANTRY MORTAR LEADER COURSE
MTR CO 1ST BATTALION 19TH INFANTRY REGIMENT
FT. BENNING, GEORGIA 31905
AUGUST 2021**

COMPUTER'S RECORD											
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GRID MISSION											
ORGANIZATION				DATE		TIME		OBSERVER ID F0S1		TARGET NUMBER KNPT 01/ CD 0200	
☒ ADJUST FIRE ☐ FIRE FOR EFFECT ☐ IMMEDIATE SUPPRESSION				SHIFT FROM _____				POLAR			
GRID 16R GA 48000 / 39000 OT DIRECTION _____ ALTITUDE 0408				OT DIRECTION _____ ALTITUDE _____				OT DIRECTION _____ ALTITUDE _____			
				☐ LEFT / ☐ RIGHT _____ ☐ ADD / ☐ DROP _____ ☐ UP / ☐ DOWN _____				DISTANCE _____ VERTICAL INTERVAL _____ ☐ UP / ☐ DOWN _____ VERTICAL ANGLE _____ ☐ + ☐ _____			
				TARGET DESCRIPTION Trucks I/ Wood line							
				METHOD OF ENGAGEMENT							
FDC ORDER				INITIAL CHART DATA				INITIAL FIRE COMMAND			
MORTAR TO FFE SEC				DEFLECTION _____				MORTAR TO FOLLOW SEC			
MORTAR TO ADJ #2				DEFLECTION CORRECTION				SHELL AND FUZE HEQ			
METHOD OF ADJ 1RD				☐ L ☐ R							
BASIS FOR CORRECTION _____				RANGE _____				MORTAR TO FIRE #2			
SHEAF CORRECTION _____				VIA/ALT CORRECTION				METHOD OF FIRE 1 RD I/ ADJ			
SHELL AND FUZE HEQ I/ ADJ				☐ + ☐ -				3 RDS HED I/ FFE			
HED I/ FFE				RANGE CORRECTION				DEFLECTION 5924/ 1926			
METHOD OF FFE 3RDS				☐ + ☐ -				CHARGE 3			
RANGE LATERAL SPREAD _____				CHARGE _____				ELEVATION 1192			
TIME OF OPENING FIRE W/R				RANGE 4144				TIME SETTING _____			
MOC TYPE WR ☒ AMC ☐ TOT ☐ OTH ☐				RANGE 5923							
OBSERVER CORRECTION				CHART/SAFETY DATA				SUBSEQUENT COMMANDS			
DEV	RANGE	TIME (HEIGHT)	DEF/AZ	RANGE	MORTAR FIRE	METHOD FIRE	AIM AZIMUTH	DEFLECTION	CHARGE	TIME	ELEV
L100	-100			4046			5899	1952			1205
	-100	FFE		3092	SEC	3RDS HED	(1) 5919	1931			1223
				3946			(2) 5907	1943			1217
				4256			(3) 5929	1921			1178
				4321			(4) 5920	1930			1169
EOM S/A KNPT 01											
BATTLE DAMAGE ASSESSMENT (BDA): EST 30% CAS											
AIM POINT GRID: 16R GA 48001 / 38777 +0408											

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ORGANIZATION						DATE		TIME		OBSERVER ID F0S1		TARGET NUMBER KNPT 02/ CD 0202	
☒ ADJUST FIRE ☐ FIRE FOR EFFECT ☐ IMMEDIATE SUPPRESSION				SHIFT FROM _____ OT DIRECTION _____ ALTITUDE _____ ☐ LEFT / ☐ RIGHT ☐ ADD / ☐ DROP ☐ UP / ☐ DOWN				POLAR OT DIRECTION <u>0420</u> ALTITUDE _____ DISTANCE <u>3500</u> VERTICAL INTERVAL ☐ UP / ☐ DOWN VERTICAL ANGLE _____ ☐ + ☐					
GRID _____ OT DIRECTION _____ ALTITUDE _____													
TARGET DESCRIPTION Infantry Company I/ Open													
METHOD OF ENGAGEMENT ✱ 900													
FDC ORDER				INITIAL CHART DATA				INITIAL FIRE COMMAND				ROUNDS EXPENDED	
MORTAR TO FFE <u>SEC</u>				DEFLECTION _____				MORTAR TO FOLLOW <u>SEC</u>				(1)	
MORTAR TO ADJ <u>#2</u>				DEFLECTION CORRECTION ☐ L ☐ R				SHELL AND FUZE <u>HEQ</u>					
METHOD OF ADJ <u>1RD</u>				RANGE _____				MORTAR TO FIRE <u>#2</u>				MAX ORD	
BASIS FOR CORRECTION _____				VII/ALT CORRECTION ☐ + ☐ -				METHOD OF FIRE <u>1 RD I/ ADJ</u>				2356m	
SHEAF CORRECTION _____				RANGE CORRECTION ☐ + ☐ -				3 RDS PROX I/ FFE					
SHELL AND FUZE <u>HEQ I/ ADJ</u>				CHARGE _____				DEFLECTION <u>1926/5924</u>				TOF	
<u>PROX I/ FFE</u>				RANGE <u>2808</u>				CHARGE <u>2</u>				39.6	
METHOD OF FFE <u>3 RDS</u>				AZIMUTH <u>5923</u>				ELEVATION <u>1220</u>				MARK TIME	
RANGE LATERAL SPREAD _____				ANGLE T <u>900</u>				TIME SETTING _____					
TIME OF OPENING FIRE <u>W/R</u>													
MOC TYPE WR ☐ AMC ☐ TOT ☐ OTH ☐													
OBSERVER CORRECTION				CHART/SAFETY DATA				SUBSEQUENT COMMANDS					
DEV	RANGE	TIME (HEIGHT)	DEF/AZ	RANGE	MORTAR FIRE	METHOD FIRE	AIM AZIMUTH	DEFLECTION	CHARGE	TIME	ELEV		
R100	+ 100			2798			5975	1875			1222	(2)	
	+ 100	FFE		(1)2822	SEC	3 RDS PROX	6033	1818			1218		
				(2)2867			6014	1836			1210		
				(3)3192			6033	1817			1150		
				(4)3260			6019	1831			1137	(14)	
EOM S/A KNPT 02													
BATTLE DAMAGE ASSESSMENT (BDA): TGT DESTROYED													
APD FORM 2399 MAY 2017 PREVIOUS EDITIONS ARE OBSOLETE.													
AIM POINT GRID: 16R GA 48775 / 37951 ALT: +0470													

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