

Chapter 7 Mobilization

Section I Training Programs

7-1. General

a. This chapter provides standards, training ammunition requirements and recommended training strategies for Reserve Component Special Operations and other forces during mobilization. Each Strategy outlines the training sequence, including frequencies for live fire and simulator usage.

b. The training strategies in this chapter are based on current doctrine, gunnery FMs, ARTEPs, and applicable MTPs. The appropriate manual will be consulted on the specifics of each activity.

c. Under the certification/validation program, it is not necessary for every element of an organization to qualify. To certify/validate elements, post-mobilization activities focus on mission preparation. To assist resource managers developing requirements for post mobilization train up activities for Special Operations elements several assumptions must be made:

(1) Up to one third of the force will not be certified/validated.

(2) Up to fifty percent of the force requiring certification/validation will not need to verify qualification, however, will need LFX training activities.

(3) Up to one sixth of the force will not have completed initial entry training.

(4) For non-certified/validated elements, a CTC rotation will be necessary.

d. As an example: in an entire Special Forces Group, we count on a battalion sized element requiring some phase of certification/validation. In that battalion, one B team and six A teams may require weapons qualification ranges and ammunition. Weapons to be fired equates to 68 M16s, 12 M203s (including the M16 portion) and 8 pistols. The remaining elements of the battalion will require ammunition to support four fire tactical exercises (using blank ammunition), four LFXs and a CTC rotation for two B teams and 12 A teams. These are approximation methods and should not be taken as absolutes.

7-2. Objectives

Weapons Training Tasks in priority are:

- a.* Individual weapons proficiency.
- b.* Crew served weapons proficiency.
- c.* Common weapons proficiency.
- d.* Tactical Training with blanks and simulators.
- e.* Live fire tactical training.
- f.* Non-standard Weapons proficiency.

7-3 Training Strategies

a. Individual soldiers train on individual weapons.

b. Assigned crews/detachments assigned the mission to teach crew served weapons skills will train on crew served weapons.

c. Special Forces Detachments are required to participate in a series of tactical exercises

including four LFXs to certify/validate light infantry skills.

Section II Weapons Strategies

7-4. Anti-armor weapons

Ammunition allocations and training priorities for anti-armor weapons (TOW, 106MM RCLR, DRAGON, AT-4, LAW) are at Tables 6-1 through 6-5.

7-5. Mortars

Ammunition allocations and training priorities for Mortars (60mm, 81mm and 120mm) are at Table 6-6 through 6-8.

7-6. Machine guns

Ammunition allocations and training priorities for Machine Guns (M2HB, M60 and M249 SAW) are at Table 6-9 through 6-11.

7-7. Rifles

Ammunition allocations for rifles (M16A1/A2, M21 Sniper Rifle and M203 GL) are at Table 6-12 through 6-14.

7-8. Pistols

Ammunition allocations for pistols (M1911A1 and 9mm) are at Table 6-15.

7-9. Hand grenades

Ammunition allocations for hand grenades are at Table 6-16.

7-10. Claymore mine

Ammunition allocations for Claymore mines are at Table 6-17.

7-11. Engineer weapons

a. This section provides training standards, strategies and ammunition resources for Special Forces units using Engineer munitions upon mobilization. ODA personnel are divided into the following two groups.

(1) Group I. All ODA personnel.

(2) Group II. The 18B and 18C in the Detachment to be trained.

b. Training programs. Training strategies are established for each task to be accomplished by the ODA. The standards are supported by training strategies. Resources are applied to the standards and strategies as written.

c. Munitions. The quantities of munitions required are annotated in Table 6-18, with one iteration of the task to be accomplished by personnel of the ODA summarized in Table 6-19.

(1) *Training standards.* Training standards for each task are given below.

(2) *Demolition Standard.*

(a) Ninety percent of Group I personnel will perform each task listed below and prime demolitions for live fire to FM 5-250 standards.

051-193-1002 Construct a Nonelectric Demolition Firing System.

051-193-1004 Construct an Electric Demolition Firing System.

051-193-1009 Construct a Detonating Cord Firing System.

- 051-193-1011 Install Dual Firing Systems.
- 051-192-3038 Install Booby Traps.
- 051-193-3050 Calculate and Designate Placement of Timber-cutting Charges.
- 051-193-3051 Calculate and Designate Placement of Steel-cutting Charges.
- 331-922-0502 Employ the M2A1 8-second Delay Percussion Detonator.
- 331-922-0503 Employ the M1A2 15-second Delay Percussion Detonator.
- 331-922-0504 Employ the M1 Delay Firing Device (Time Pencil).
- 331-922-0505 Employ Civilian Explosives.

(b) Ninety percent of Group II personnel will perform each task listed below and prime demolitions for live fire according to FM 5-250 standards and within STP 31-18C3/4-SM-TG standards.

- 051-193-2028 Neutralize Obstacles.
- 051-193-3052 Calculate and Designate placement of Breaching Charges.
- 051-193-3053 Calculate Explosives and Designate Placement of Cratering Charges.
- 331-922-0009 Prepare and Employ a Demolition Ambush.
- 331-922-0010 Prepare and Employ Expedient Munitions.
- 331-922-0500 Employ the M10 Universal Explosive Destructor.
- 331-922-0501 Employ the M19 Explosive Destructor.
- 331-922-0506 Construct and Employ Expedient Charges (shape, dust initiator, platter, ammonium nitrate satchel, cratering and grapeshot).

(3) *Antitank, Antipersonnel Mine Standard.* Ninety percent of ODA personnel will perform each task listed below and prime live mines for live detonation according to FM 20-32 standards. (Note: Each ODA is allocated one each live M15 AT, M19 AT, M21 AT and M24 AT mine. Each ODA member will arm and disarm each inert mine to standards for M2, M3, M1, M23, M16A1, M15, M19, M21 and M24).

- 051-192-1002 Install/Remove the M16A1 Bounding Fragmentation AP Mine. (Korea only)
- 051-192-1026 Install/Remove the M2 series (M2A4) Bounding AP Mine.
- 051-192-1004 Install/Remove the M25 Blast AP Mine.
- 331-922-0507 Install/Remove the M3 Blast AP Mine.
- 051-192-1006 Install/Remove the M15 AT Mine.
- 051-192-1007 Install/Remove the M19 AT Mine.
- 051-192-1008 Install/Remove the M21 AT Mine.
- 051-192-1028 Install/Disarm and Package the M24 AT Mine.
- 051-192-2009 Install/Remove the M1 One Gallon Chemical Mine with an Electric Detonating Assembly.
- 051-192-2010 Install/Remove the M23 AP Chemical Mine.

(4) *Minefields.* Ninety percent of Group II personnel will perform each task listed below and arm an inert minefield according to FM 20-32 standards and within STP 31-18C3/4-SM-TG standards within 12 months.

- 051-192-1014 Install/Remove US Antihandling Devices on AT Mines.
- 051-192-3030 Direct a Minefield Laying Party.
- 051-192-3032 Direct Installation/Removal of a Hasty Protective Minefield.

**Table 7-1
Mobilization Ammunition Requirement and Training Strategy for the TOW**

Event	Frequency	Rounds Required		
		HEAT	M80	ATWESS
DODIC		PB96	L592	L367
Practice Tracking	1		18	
LFX	1	1		
FTX	1			14
Total Rounds Required per firer		1	18	14

**Table 7-2
Mobilization Ammunition Requirement and Training Strategy for the 106mm RCLR (18B/18C)**

Event	Frequency	Rounds Required	
		.50 Cal Tracer	HEAT
DODIC		A574	C650
Zero	1	6	
Instructional Firing	1	40	3
Total Rounds Required per firer		46	3

**Table 7-3
Mobilization Ammunition Requirement and Training Strategy for the Dragon (18B/C)**

Event	Frequency	Rounds Required	
		M80	HEAT
DODIC		L592	PL22/23
Advanced Tracking	1	40	
LFX	1		1
FTX	1		1
Total Rounds Required per firer		40	2

**Table 7-4
Mobilization Ammunition Requirement and Training Strategy for the AT-4 (18B/C)**

Event	Frequency	9mm	Rounds Required	
			ATWESS	HEAT
DODIC		A358	L367	C995
Qualification (Table III & IV)	1	14		
LFX	1			2 per BN
FTX	1		10	
Total Rounds Required per firer		14	10	2 per BN

**Table 7-5
Mobilization Ammunition Requirement and Training Strategy for the LAW**

Event	Frequency	M73	Rounds Required	
			ATWESS	HEAT
DODIC		H708	L367	H557
Qualification	1	10		
LFX	4			25 per BN
FTX	1		10	
Total Rounds Required per firer		10	10	100 per BN

**Table 7-6
Mobilization Ammunition Requirement and Training Strategy for the 60mm Mortar (Per 18B/C)**

Event	Frequency	Rounds Required			
		HE	WP	ILLUM	SRTR ¹
DODIC		B642	B646	B647	B645
SRTR Practice	1				7 per BN
LFX	4	2	1	1	
Total Rounds Required per Mortar		2	1	1	7 per BN

Note 1. SRTR is refurbished 9 times before replacing. Request 9 refurbishing kits per SRTR (DODIC BXXX).

**Table 7-7
Mobilization Ammunition Requirement and Training Strategy for the 81mm Mortar (Per 18B/C)**

Event	Frequency	Rounds Required			
		HE	WP	ILLUM	SRTR ¹
DODIC		C868	C870	C871	C876
SRTR Practice	1				7 per BN
LFX	1	2	1	1	
Total Rounds Required per Mortar		2	1	1	7 per BN

Note 1. SRTR is refurbished 9 times before replacing. Request 9 refurbishing kits per SRTR (DODIC C045).

**Table 7-8
Mobilization Ammunition Requirement and Training Strategy for the 120mm Mortar (Per 18B/C)**

Event	Frequency	Rounds Required			
		HE	WP	ILLUM	SRTR ¹
DODIC		C623	C624	C226(81mm)	C876(81mm)
SRTR Practice	1				7 per BN
LFX	1	2	1	1	
Total Rounds Required per Mortar		2	1	1	7 per BN

Note 1. 81mm SRTR. Refurbished 9 times before replacing. Request 9 refurbishing kits per SRTR (DODIC C045).

**Table 7-9
Mobilization Ammunition Requirement and Training Strategy for the M2HB Machine Gun**

Event	Frequency		Rounds Required	
	CAT I	CAT II	Ball	Mix
DODIC			A555	A557
Preliminary Marksmanship Instruction (Dry Fire)	1	1		
10 meter Zero Practice Fire	1	1	117	
10 meter Record Fire	1	1	119	
Transition Zero/Practice Fire ¹	1	1		182
Transition Record Fire ¹	1	1		154
Night Zero/Practice/Record Fire	1	1		196
Assist Gunner 10 Meter Practice Fire	1	1	236	
Assist Gunner Transition/Night Fire	1	1		532
LFX	4	1		500
Total Rounds Required		CAT I CAT II	472 472	3064 1564

Notes:

1. These exercises may be fired from the tripod or vehicular mount.

**Table 7-10
Mobilization Ammunition Requirement and Training Strategy for the M60 Machine Gun**

Event	Frequency		Rounds Required	
	CAT I	CAT II	Ball	Mix
DODIC			A143	A131
Preliminary Marksmanship Instruction (Dry Fire)	1	1		
10 Meter Zero/Practice Fire	1	1	117	
10 Meter Record Fire	1	1	119	
Transition Zero/Practice Fire	1	1		182
Transition Record Fire	1	1		154
Night Zero/Practice/Record Fire	1	1		196
Assist Gunner 10 Meter Practice Fire	1	1	236	
Assist Gunner Transition/Night Fire	1	1		532
LFX	4	1		500
Total Rounds Required		CAT I CAT II	472 472	3064 1564

**Table 7-11
Mobilization Ammunition Requirement and Training Strategy for the M249 SAW**

Event	Frequency		Rounds Required		
	CAT I	CAT II	Ball	4/1 Mix	Blank
DODIC			A062	A064	A075
Preliminary Marksmanship Instruction (Dry Fire)	1	1			
10 Meter Zero/Practice Fire	1	1	117		
10 Meter Record Fire	1	1	119		
Transition Zero/Practice Fire	1	1		182	
Transition Record Fire	1	1		154	
Night Zero/Practice/Record Fire	1	1		196	
Assist Gunner 10 Meter Practice Fire	1	1	236		
Assist Gunner Transition/Night Fire	1	1		532	
LFX	4	1		500	
Total Rounds Required		CAT I CAT II	472 472	3064 1564	

**Table 7-12
Mobilization Ammunition Requirement and Training Strategy for the M16A1/A2**

Event	Frequency		Rounds Required		
	CAT I	CAT II	Ball	Tracer	Blank
DODIC (A1/A2)			A071/A059	A068/A063	A080/A080
Preliminary Marksmanship Instruction (Dry Fire)	1	1			
Zero	1	1	18		
Practice Fire	1	1	40		
Record Fire	1	1	40		
NBC Practice Fire	1	1	20		
NBC Record Fire	1	1	20		
Night Practice Fire	1	1	20	10	
Night Record Fire	1	1	20	10	
Night Vision Goggle Zero Fire	1	1	18		
Adv Rifle Marksmanship	1	1	100		
LFX	4	1	100	20	
FTX	1	1			120
Total Rounds Required		CAT I CAT II	616 316	100 40	120 120

**Table 7-13
Mobilization Ammunition Requirement and Training Strategy for the M24 Sniper Rifle (ODA)**

Event	Frequency	Rounds Required	
		Match	
DODIC		A171	
Zero (Iron Sights)	1	15	
Zero (Scope)	1	12	
Qualification	1	60	
Night Fire	1	15	
Total Rounds Required		102	

**Table 7-14
Mobilization Ammunition Requirement and Training Strategy for the M203 Grenade Launcher**

Event	Frequency				Rounds Required	
	CAT I ASGND	CAT I UNASGND	CAT II ASGND	CAT II UNASGND	HE	TP
DODIC					B546	B519
Instructional Fire ¹		1		1		5
Zero	1		1			6
Qualification	1		1			12
Night Record Fire	1		1		3	
FTX	1		1			36
LFX	4		4		6	
Total Rounds Required					28	54 5

Note 1. TP may be substituted for HE.

Table 7-15
Mobilization Ammunition Requirement and Training Strategy for the 9mm/M1911A1 .45 cal Pistol

Event	Frequency		Rounds Required
	CAT I	CAT II	9mm/.45 cal
DODIC			A363/A475
Preliminary Marksmanship Instruction	1	1	
Instructional Fire	1	1	25
Combat Pistol Qualification Course	1	1	40
Total Rounds Required			60

Table 7-16
Mobilization Ammunition Requirement and Training Strategy for the M67 Hand Grenade

Event	Frequency		Rounds Required	
	CAT I	CAT II	M228 (Practice)	M67
DODIC			G878	G881
Qualification Course	1	1	10	
Live Grenade Throw	1	1		1
LFX	4			24 per BN
Total Rounds Required			10	1 and 24 per BN

Table 7-17
Mobilization Ammunition Requirement and Training Strategy for the M18A1/A2 Claymore Mine

Event	Frequency		Mines Required
	CAT I	CAT II	M18
DODIC			K143
Instruction	1	1	Inert
LFX	4		18 per BN
Total Mines Required			18 per BN

Table 7-18
Mobilization Ammunition Allocations for Special Forces Teams

DODIC	Type Munition	Required per ODA
A130	7.62mm Ball M14	6
B632	60mm HE w/fuze	6
C256	81mm HE w/fuze	6
C697	107mm HE w/fuze	3
G881	Grenade, Hand Fragmentation	6
G900	Grenade, Hand Incinerary TH3	6
G937	Grenade, Rifle Smoke WP	6
H557	Rocket, 66mm HEAT (LAW)	6
K002	Activator, AT Mine Practice, M1	6
K030	Primer-igniter, AP Mine, fuze, M10A1	6
K040	Charge, Spotting, AP Mine, M8	6
K051	Fuze, AT Mine, M604 Practice	6
K055	Fuze, AP Mine, M605 for M8 Practice	6
K092	Mine, AP, M16A1 (Korea only)	1
K143	Mine, AP, M18A1	6
K180	Mine, AT, M15	1
K181	Mine, AT, M21	1
K231	Mine, AT, M15 Practice	6
K250	Mine, AT, M19	1
K917	Compound Thickening, M4	2
M023	Charge, Demolition, C-4, 1.25lb ¹	445
M024	Charge, Demolition, M118	3
M028	Demolition Kit, Bangalore Torpedo	1
M030	Charge, Demolition, 1/4lb TNT	270
M032	Charge, Demolition, 1lb TNT	1230
M039	Charge, Demolition, 40lb Cratering	2
M097	Cap, Blasting, Nonelectric, Inert	12
M098	Cap, Blasting, Electric, Inert	12
M130	Cap, Blasting, Electric	312
M131	Cap, Blasting, Nonelectric	1170
M241	Destructor, Universal, M10	6

M327	Coupling Base, Firing Device	3
M420	Charge, Demolition, Shaped, 15lb	2
M421	Charge, Demolition, Shaped 40lb	1
M456	Cord, Detonating, Reinforced	21000 ft
M458	Cord, Detonating, Inert	1000 ft
M591	Dynamite, Mil, M1	480
M627	Firing Device, Pressure, M5	39
M670	Fuze, Time Blasting, M700	10200
M757	Charge Assembly, Demolition, M183	6
M766	Igniter, Time Fuze	2160
M842	Squib, Electric, M1	8
ML03	Firing Device, M142	39
M448	Detonator, 8-second Delay, M2A1	36
M450	Detonator, 15-second Delay, M1A2	36
M619	Firing Device, Delay (time pencil), M1	36
M623	Firing Device, Delay	36
M630	Firing Device, M1	38
M626	Firing Device, M1A1	38
M629	Firing Device, M3	38

Note 1. If C-4 is not available, substitute TNT on a pound-for-pound basis.

Table 7-19
Ammunition Requirement and Training Strategy for Demolitions

Event (Individual Tasks)	Task Number	Frequency Live/Inert
Install a Dual Firing System	051-193-1011	3 / 1
Calculate and Designate Placement of Timber Cutting Charges (Inert)	051-193-3050	3 / 1
Calculate and Designate Placement of Steel Cutting Charges	051-193-3051	3 / 1
Install Booby Traps	051-193-3038	3 / 1
Install/Remove the M16 AP Mine (Korea only)	051-192-1002	1 / 1
Install/Remove the M15 AT Mine	051-192-1006	1 / 1
Install/Remove the M19 AT Mine	051-192-1007	1 / 1
Install/Remove the M21 AT Mine	051-192-1008	1 / 1
Install/Disarm/Package the M24 AT Mine	051-192-1028	1 / 1
Install/Remove the M1 1-Gallon Chemical Mine w/an Electric Detonating Assembly	051-192-2009	0 / 1
Install/Remove the M23 AP Chemical Mine	051-192-2010	0 / 1
Construct an Electric Demo Firing System	051-193-1004	3 / 1
Construct		3 / 1
Construct a Detonating Cord Firing System	051-193-1009	3 / 1
Employ Civilian Explosives	331-922-0505	3 / 1
Employ the M2A1 Delay Percussion Detonator (8 sec)	331-922-0502	3 / 0
Employ the M1A2 Delay Percussion Detonator (15 sec)	331-922-0503	3 / 0
Employ the M1 Delay Firing Device	331-922-0504	3 / 0
Install/Remove the M2 AP Mine	051-192-1026	0 / 1
Install/Remove the M25 AP Mine	051-192-1004	0 / 1
Install/Remove the M3 AP Mine	331-922-0507	0 / 1
Event (Team (ODA) Tasks)		
Neutralize Obstacles	051-193-2028	1 / 0
Calculate and Designate Placement of Breaching Charge	051-193-3052	1 / 0
Calculate Explosive and Designate Placement of Cratering Charge	051-193-3053	1 / 0
Prepare and Employ a Demolition Ambush	331-922-0009	1 / 0
Prepare and Employ Expedient Munitions	331-922-0010	1 / 0
Employ the M10 Universal Explosive Detonator	331-922-0500	1 / 0
Employ the M19 Explosive Detonator	331-922-0501	1 / 0
Construct and Employ Expedient Charges	331-922-0506	1 / 0
Install/Remove AT Mine Antihandling Device	051-192-1014	1 / 0
Direct a Minefield Laying Party	051-192-3030	0 / 1
Direct install/Remove of a Hasty Protective Minefield	051-192-3032	0 / 1