Operational Graphics Standard Frame Shapes

Reference: ADP 1-02.2, Chapter 1, Table 1-1. Standard identities and physical domain frame shapes



Table 1-2. Friendly frame status examples in present, planned, or suspected status

Domain / Status	Space Equipment	Air Equipment	Land Unit	Land Equipment and Sea Surface	Land Installation	Sea Subsurface Equipment	Activity or Event
Present or confirmed position		\bigcirc		\bigcirc			
Anticipated, planned, or suspected position		\bigcirc		\bigcirc			

Status depicts whether an object exists at the location identified (status is "present" or "confirmed"), will in the future reside at that location (status is "planned" or "anticipated"), or is thought to reside at that location ("suspected").

Operational Graphics Main Unit Icons

Reference: ADP 1-02.2, Chapter 2, Table 2-7. Main icons for units

	MD		\square
Air Defense Artillery	Air and Missile Defense	(ANGLICO)	Anti-Armor
	\triangleleft		
Armored	Armored Cavalry	Rotary-Wing AVN	Fixed-Wing AVN
	*		
Cavalry	CBRN	CBRNE	Combined Arms
			ΙΟ
Engineer	Field Artillery	Infantry	Information Operations
Ъ			MI
Maintenance	Maneuver Enhancement	Medical	Military Intelligence
МР	x		нО
Military Police	Ordnance	Psychological Operations	Quartermaster
SEAL		SF	SOF
Sea, Air, Land (SEALs)	Signal	Special Forces	Special Ops Forces
SPT	SUST		*
Support	Sustainment	Surveillance	Transportation
	Custom	Icon Key	

Operational Graphics Tactical Mission Tasks

Reference: ADP 1-02.2, Chapter 6, Table 6-1 Tactical mission task symbols

Tactical mission task graphics are for use in course of action sketches, synchronization matrices, and maneuver sketches. They do not replace any part of the operation order. Tactical mission task symbols are sized to accommodate the scale of the display or map being used.



Sector Sketch Preparation

Reference: ATP 3-21.8, Appendix B, page B-29; Sector Sketches

Squad Sector Sketch

The squad leaders and section leaders make two copies of their sector sketches; one copy goes to the platoon leader, the other remains at the position. The squad leaders and section leaders draw sector sketches as close to scale as possible, showing—

- Main terrain features in the area of operation and the range to each.
- Each primary position.
- Engagement area or primary and secondary sectors of fire covering each position.
- M240B machine gun final protective line or principle direction of fire.
- M249 SAW final protective lines or principle direction of fire.
- Type of weapon in each position.
- Reference points and TRPs in the area of operation.
- Observation post locations.
- Dead space.
- Obstacles.
- Maximum engagement lines for all BFV weapon systems.
- Maximum engagement lines for Javelin (if applicable) and AT4s.
- Indirect fire targets.



Standard Range Card Preparation

Reference: TC 3-21.75, Page 6-22, Automatic Weapon Range Card 6-36

Prepare two copies of the Range Card: A copy is kept with the vehicle or weapons position, and the other given to the section leader for his sketch.

TO PREPARE A STANDARD RANGE CARD:

- Orient the card so both the primary and secondary sectors of fire (if assigned) can fit on it.
- Draw a sketch of terrain to the front of your position. Include any dead space, natural, and man-made features that could be targets or target reference points.
- Draw the Maximun Engagement Line (if assigned).
- Draw your position at the bottom of the sketch. Do not put in the weapon symbol at this time.
- Fill in the marginal data to include:
 - Gun number (or squad).
 - Unit (only platoon and company) and date time group.
 - Weapon system.
 - Magnetic north arrow.
- Annotate the 8-digit grid of the gun position -OR-
- Determine the location of your gun position in relation to a prominent terrain feature, such as a hilltop, road junction, or building within 1,000 meters of the gun position. Determine the distance from the terrain feature to the gun position using pace count, plotting on a map, or GPS.
- Sketch in the terrain feature on the card in the lower left or right hand corner (whichever is closest to its actual direction on the ground) and identify it. Connect the sketch of the position and the terrain feature with a barbed line from the feature to the gun.
- Write in the distance in meters (above the barbed line). Write in the azimuth in degrees from the feature to the gun (below the barbed line).
- Annotate left and right limits in the data section at the bottom.
- Annotate targets and target reference points in the data section at bottom. Data for elevation and deflection is read from the traversing bar and T&E mechanism.
- Annotate FPL or PDF in the data section at bottom (if assigned).
- Draw weapon symbol at gun position.



U.S. Army Troop Leading Procedures

Reference: ATP 3-21.8, Appendix A, page A-2, Figure A-1 Parallel planning



U.S.M.C. Six Troop Leading Steps (BAMCIS)

Reference: Tactical Planning B2B2367, page 8, Six Troop Leading Steps

	BAMCIS
Begin Planning	Execute the tactical thought process: METT-TC>EMCLOA>EXP>SOM>FSP>Tasks
Arrange for Reconnaissance	Plan reconnaissance to answer remaining questions about the enemy and terrain, choose the method to validate assumptions and the tentative SOM, and determine the coposition of the reconnaissance patrol.
Make Reconnaissance	Conduct the reconnaissance to get "Eyes on the Enemy"
Complete the Plan	Revisit the tactical thought process with information collected during reconnaissance: METT-TC>EMCLOA>EXP>SOM>FSP>Tasks
ssue the Order	Effectively communicate the plan over the terrain model.
Supervise	Supervise subordinates' execution of orders through completion of the mission.
Acronym De METT-TC Miss Time	finition or Identification .ion, Enemy, Terrain and weather, Troops and support available, e/space/logistics, Civil considerations
EMLCOA Ener	my's Most Likely Course of Action
EXP EXp	loitation Plan of the enemy's vulnerability
SOM Sche	eme of Maneuver
FSP Fire	Support Plan

CBRN 1 Report

Reference: FM 6-99, Appendix A, Page A-48, A-49, Table A-31. Report Number: C010

GENERAL INSTRUCTIONS: Use to provide the observer's initial report giving basic data on a chemical, biological, or nuclear attack.

1. Date and Time DTG
2. Unit unit making report
3. Event type of incident: NUCLEAR, BIOLOGICAL, or CHEMICAL
A – CBRN strike serial number
B — location of the observer and the direction of the attack
D —DTG of detonation of beginning of attack or detonation and the end of the event
F – UTM or six-digit grid coordinate with MGRS grid zone designator of attack and code used to represent if reported location of attack is actual or estimated
G — means of delivery and quantity
H — type of burst, biological or chemical agent, and persistency
I — release information on biological or chemical agent attacks
IR — release of sampling information on radiological incidents
J — time in seconds denoting flash-to-bang DTG of nuclear attack
L — nuclear burst angular cloud width measured at five minutes after detonation
M — stabilized cloud measurement at H+10 minutes of nuclear burst cloud
MR — description and status of chemical, biological, radiological incidents
T — terrain, topography, and vegetation description
Y — downwind direction and wind speed
Z — measured weather conditions
4. Time DTG of observation
5. Narrative free text for additional information required for report clarification
6. Authentication
CNRN 1 Report Acronym and Abbreviation Key
CBRN — Chemical, Biological, Radiological, and Nuclear DTG — Date-Time Group
MGRS – Military Grid Reference System
UTM – Universal Transverse Mercator

	9	9-	lin	e l	E	D /	UXC	R	EPC	RT		
Line 1.	Date	Tin	ne Gr	oup	Disc	covered	I.					
DD			Hh	1			МММ			YEAR		
Line 2.	Repo	rtir	ng Ac	tivity	: Ur	nit Iden	tificatio	n Code	and lo	cation (grid of U	IXO).
UIC		8	DIGIT	GRI	D		LOCAT	ION				
DETAILS							I					
Line 3.	Cont	act	Meth	od: I	Rad	io Freq	/ Call S	ign, PC	OC, Pho	ne Nur	nber.	
FREQ		CA	ALL S	IGN			РОС			PH. #		
Line 4.	Type Desc Size,	/Nu ribe sha	umbe e Iten ape, c	r of (n Det color,	Ordi tails , and	nance: (Witho d condi	Droppe out app tion (int	d, Proje oachin act or	ected, I Ig-due Ieaking	Placed, to pote g). Haza	or Throv ential trip ard Area.	vn. owire)
DROPPED PROJECT PLACED THROWN) [ED [[# of DET/	UXO AILS		HAZAR	D AREA					
Line 5.	NBC	Col	ntami	inatio	on: I	Known	or susp	ected,	report	type of	agent.	
YES □ NO □	AGEI	V <i>T</i>				DETAIL	.S					
Line 6.	Reso	urc	es Th	reate	ene	d: Repo	ort any a	ssets t	hat are	threat	ened.	
EQUIPME	NT			F	ACI	ILITY			OTHE	ĒR		
Line 7.	Impa	ct o	on Mi	ssior	n. Cu	urrent t	actical s	ituatio	n. Doe	s UXO a	affect sta	atus?
			Ň									
Line 8.	Prote	ecti	ve Me	easur	res:	Measur	es takeı	n to pro	otect p	ersonn	el/equip	ment.
Line 9.	Reco	mn	nende	ed Pr	iori	ty: Res	ponse b	y EOD	technie	cians or	enginee	ers.
IMMEDI	ATE	St cr	ops tl itical	he un asset	it's s vit	maneuv tal to th	er and m e mission	nission o n.	capabili	ty, or th	reatens	
INDIREC	т	SI cr	ows t itical	he ur asset	nit's s im	maneuv portant	ver and n to the n	nission nission.	capabil	ity, or th	nreaten	
MINOR		Reno	educe oncriti	s the	uni sset	t's mane s of valu	euver an ue.	d missic	on capa	bility, or	r threaten	IS
NO THR	EAT	Н	as littl	le or	no a	affect or	the unit	's capa	bilities	or asset	s.	

Game Plan and 9 Line CAS Brief

Reference: ATP 3-09.30, Chapter 4 page 4-14, Figure 4-4 CAS 9-Line.

Do not transmit the numbers. Units of measure are standard unless briefed. Lines 4, 6, and any restrictions are mandatory readbacks. The Joint Terminal Attack Controller (JTAC) may request an additional feedback.

JTAC: "______, advise when ready for game plan." JTAC: "Type (1, 2, 3) control (method of attack, effects desired or ordnance interval). Advise when ready for 9-Line."

_		_
1.	IP / BP: "	"
2.	Heading: " degrees magnetic, initial point or battle position-to-target	33
	Offset: " left or right. when requested	"
3.	Distance: " initial point-to-target in nautical miles, battle postion-to-target in meters	"
4	Target elevation: " in feet, mean sea level	"
5.	Target description: "	"
6	Target location: " latitude and longitude, or grid coordinates, or offsets, or visual	"
7.	Type mark / terminal guidance: " description of the mark, if laser handoff, call of sign lasing platform and code	"
8.	Location of friendlies: " from target, carinal direction and distance in meters	"
	Postion marked by: "	"
9.	"Egress	,,
		·
Ro	marks / *restrictions	
	Laser to target line (LTL) / pointer target line (PTL)	
•	Desired type and number of ordnance or weapons effects (if not previously coordinate	d).
•	Surface-to-air threat, location, and type of SEAD.	1
•	Additional remarks (e.g., gun-to-target line, weather, hazards, friendly marks).	
•	Additional calls requested.	
•	*Final attack headings or attack direction.	
•	*Airspace coordination areas (ACAs).	
•	*Danger close and initials (if applicable).	
•	*Time over target (TOT) / time to target (TTT).	
•	*Post launch abort restrictions (if applicable).	
•		
•	BP — pattle position	

Note: For off axis weapons, the weapons final attack heading may differ from the aircraft heading at the time of release. The aircrew should inform JTAC when this occurs and ensure weapon final attack headings comply with given restrictions.

Spot Report (SPOTREP)

Reference: FM 6-99, Appendix A, Page A-196, Table A-138. Report Number: S055

GENERAL INSTRUCTIONS:

Use to report intelligence or status regarding events that could have an immediate and significant effect on current and future operations. This is the initial means for reporting troops in contact and event information.



UTM – Universal Transverse Mercator

Basic Management Plan for Care Under Fire

- 1. Return fire and take cover.
- 2. Direct or expect casualty to remain engaged as a combatant if appropriate.
- 3. Direct casualty to move to cover and apply self-aid if able.
- 4. Try to keep the casualty from sustaining additional wounds.
- 5. Casualties should be extricated from burning vehicles or buildings and moved to places of relative safety. Do what is necessary to stop the burning process.
- 6. Stop life-threatening external hemorrhage if tactically feasible:
 - a. Direct casualty to control hemorrhage by self-aid if able.
 - b. Use a CoTCCC-recommended limb tourniquet for hemorrhage that is anatomically amenable to tourniquet use.
 - c. Apply the limb tourniquet over the uniform clearly proximal to the bleeding site(s). If the site of the life-threatening bleeding is not readily apparent, place the tourniquet "high and tight" (as proximal as possible) on the injured limb and move the casualty to cover.

7. Airway management is generally best deferred until the Tactical Field Care phase.

The Management Care Plan for Tactical Field Care

begins with disarming any casualty with an altered mental status. Armed casualties pose a significant risk to others in their unit if they employ their weapons inappropriately. In the combat setting, altered mental status may be caused by traumatic brain injury, shock, or medications. Then, the **MARCH** algorithm is used.

- M Massive Hemorrhage Assessment.
- A Airway Assessment.
- **R** Respiratory Trauma Assessment.
- C Circulatory Assessment.
- H Head Trauma Assessment and Hypothermia Assessment.

All care rendered will be documented on the TCCC* Casualty Card before the casualty is evacuated to the next level of care. Don't forget to communicate as much as possible to the casualty.

Tactical Evacuation (TACEVAC) - Casualties are transported to a higher level of care. TACEVAC care encompasses both medical evacuation (MEDEVAC) and casualty evacuation (CASEVAC) as defined in Joint Publication 4-02.

Intelline EVACUATION REQUEST MESSAGE Image: Intelline Evaluation of Pickup Site. Radio Frequency. Radio Frequency. Image: Intelline Image: Intelline	N = N		GIA 08-0 I-002
1 Location of Pickup Site. 2 Rado Frequency. 3 Buy Precedence. 4 Special Equipment. 4 Special Equipment. 6 Number of Patients by Type. 6 Wumber of Patients by Type. 7 Mumber of Patients by Type. 8 Security of Pickup Site 10 Number of Patients by Type. 6 Wortime). 7 Method of Marking Pickup Site. 8 Patient Nationality and Status. 9 Patient Nationality and Status. 9 Koartime). 1 Terrain Description 9 Terrain Description 1 Terrain Description	INE	ITEM	EVACUATION REQUEST MESSAGE
2 Radio Frequency, Suffix. 3 by Precedence. 4 Special Equipment. 5 Number of Patients by Type. 6 Number of Patients by Type. 6 Number of Patients by Type. 7 Mumber of Patients Site 7 Mumber of Mumber of Number of Patients Site 7 Mumber of Mumber of Number of Number of Mumber of	-	Location of Pickup Site.	
3Number of Patients4Special Equipment.5Number of Patients by Type.6Number of Patients by Type.6Security of Pickup Site7Number and type of Wound,7Method of Marking Pickup Site.8Patient Nationality and Status.9NBC Contamination7Terrain Description9Terrain Description	8	Radio Frequency, Call Sign, Suffix.	
 4 Special Equipment. 5 Number of Patients by Type. 6 Number of Patients by Type. 6 Number and type of Wound, Injury, Illness (Peacetime). 7 Method of Marking Pickup Site. 8 Patient Nationality and Status. 9 NBC Contamination 9 Terrain Description 9 Terrain Description 	м	Number of Patients by Precedence.	
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6 Security of Pickup Site 6 (Wartime). 7 Number and type of Wound, 8 Patient Nationality and Status. 9 NBC Contamination 9 Terrain Description 9 Terrain Description 9 Terrain Description	IJ	Number of Patients by Type.	
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 7 Method of Marking Pickup Site. 8 Patient Nationality and Status. 9 NBC Contamination (Wartime). 9 Terrain Description (Peacetime). 	Q	Number and type of Wound, Injury, Illness (Peacetime).	
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9 Terrain Description (Peacetime).	റ	NBC Contamination (Wartime).	
	6	Terrain Description (Peacetime).	

