FAST TRACK

Tactical Convoy Operations

Multi-Service Tactics, Techniques, and Procedures (MTTP) Package

Suspense: 7 Dec 04



MEETING THE IMMEDIATE NEEDS OF THE WARFIGHTER

FAST TRACK

FOUO

FOUO

ARMY, MARINE CORPS, NAVY, AIR FORCE



AIR LAND SEA APPLICATION CENTER

TACTICAL CONVOY OPS

MULTI-SERVICE TACTICS, TECHNIQUES, AND **PROCEDURES FOR** TACTICAL CONVOY **OPERATIONS**

> FM XX-Z.X (FM XX-XX.X) MCRP x-xx NTTP x-xx-x AFTTP(I) x-xx-x

22 OCTOBER 2004

DISTRIBUTION RESTRICTION: Distribution authorized to DOD and DOD contractors only to protect technical or operational information from automatic dissemination under the International Exchange Program or by other means. This determination was made on 4 February 2003. Other requests for this document will be referred to HO TRADOC, ATTN: AFTC-RI, Fort Monroe, VA 23651; HO AFDC/DJ, Langley AFB, VA 23665, HO MCCDC, C427, Quantico, VA 22134; or NWCD, ATTN: N5, Newport, RI 02841.

DESTRUCTON NOTICE: Destroy by any means that will prevent disclosure of the document.

MULTI-SERVICE TACTICS, TECHNIQUES, AND PROCEDURES

FOUO

FOREWORD

This publication has been prepared under our direction for use by our respective commands and other commands as appropriate.

4 ROBERT W. MIXON, JR.
5 Major General, US Army
6 Deputy Director/Chief of Staff
7 Futures Center
8 US Army Training and Doctrine
9 Command

ROBERT E. SCHMIDLE
Brigadier General, USMC
Director
Expeditionary Force
Development Center

JOHN M. KELLY
 Rear Admiral, USN
 Commander
 Navy Warfare Development
 Command
 Command

BENTLEY B. RAYBURN
Major General, USAF
Commander, Air Force Doctrine
Center

15

This publication is available through the Army at Army Knowledge Online (www.us.army.mil) and General Dennis J. Reimer Training and Doctrine Digital Library (www.adtl.army.mil) Web sites, through the ALSA Web site (www.alsa.mil), and through the Air Force at the Air Force Publishing Web site (www.e-publishing.af.mil).

FOUO FINAL COORDINATION DRAFT PREFACE

2 Purpose

This publication consolidates the Services' best tactics, techniques and procedures (TTP) used in convoy operations into a single multi-Service TTP (MTTP) with the objective of reducing casualty rates and increasing the probability of mission success during convoy operations. This MTTP focuses on combat support and combat service support forces and provides a quick reference guide for convoy commanders and subordinates on how to plan, train, and conduct tactical convoy operations in the contemporary operating environment.

Scope

This MTTP publication is a comprehensive reference source to assist convoy commanders and subordinates in planning, training, and conducting tactical convoy operations. It addresses troop leading procedures, checklists, terminology, gun truck employment, improvised explosive devices (IED) quick reference information, battle drills, and sample convoy training and live fire programs of instruction. It incorporates the current lessons learned from combat operations, training operations, and bridges gaps in Service convoy doctrine and TTPs.

Applicability

The TTP in this document are applicable to joint forces of the United States. This publication is intended to be theater non-specific. The target audience is convoy commanders in combat support or combat service support units from any U.S. Service conducting tactical convoys. The intent is that this publication be in every convoy commander's cargo pocket as a quick-reference to ease the planning burden during tactical convoy operations. Services can use this MTTP as a multi-Service training manual.

Implementation Plan

Army. Upon approval and authentication, this publication incorporates the procedures contained herein into the US Army Doctrine and Training Literature Program as directed by the Commander, US Army Training and Doctrine Command (TRADOC). Distribution is in accordance with applicable directives and

- 1 the Initial Distribution Number (IDN) listed on the authentication page.
- Navy. The Navy will incorporate these procedures in US Navy training and doctrine publications as directed by the Commander, Navy Warfare Development Command (NWDC). Distribution is in accordance with Military Standard
- Requisition and Issue Procedure Desk Guide (MILSTRIP Desk Guide) and Navy
 Standing Operating Procedure Publication 409 (NAV SOP Pub 409).
- Marine Corps. The Marine Corps will incorporate the procedures in this publication in US Marine Corps training and doctrine publications as directed by the Commanding General, US Marine Corps Combat Development Command (MCCDC). Distribution is in accordance with the Marine Corps Publication Distribution System (MCPDS).
- Air Force. The Air Force will incorporate the procedures in this publication in accordance with applicable governing directives. Distribution is in accordance with Air Force Instruction (AFI) 33-360.

User Information

- a. TRADOC, MCCDC, NWDC, Headquarters AFDC, and the Air Land Sea
- 17 Application (ALSA) Center developed this publication with the joint participation
- of the approving Service commands. ALSA will review and update this
- 19 publication as necessary.
- b. This publication reflects current joint and Service doctrine, command and
- 21 control organizations, facilities, personnel, responsibilities, and procedures.
- 22 Changes in Service protocol, appropriately reflected in joint and Service
- publications, will likewise be incorporated in revisions to this document.
- 24 c. We encourage recommended changes for improving this publication. Key
- your comments to the specific page and paragraph and provide a rationale for
- each recommendation. Send comments and recommendations directly to—

| Commander | US Army Training and Doctrine Command | ATTN: ATTC-RI | Fort Morroe, VA 23651-5000 | DSN 680-3951 CDNM (757) 788-3951 | E-mail: doctrine@monroe.armv.mil | | Warine Corps | Commanding General | US Marine Corps Combat Development Command | ATTN: C42 | 3300 Russell Road, Suite 318A | Quantico, VA 22134-5021 | DSN 278-6233/6234 CDMM (703) 784-6234 | E-mail: deput/vdirector/doctrine@mccdc.usmc.mil | Navy | Commander | Navy Warfare Development Command | ATTN: NS | 686 Cushing Road | Newport, RI O2841-1207 | DSN 948-1164/4189 CDMM (401) 841-1164/4189 | E-mail: alsapubs@mvdc.navv.mil | Air Force | HQ AFDC/DJ | 155 North Twining Street | Maxwell AFB AL 36112-6112 | DSN 943-1442 | E-mail: alfd.di@lanolev.af.mil | ALSA | ALSA Center | ATTN: Director | 114 Andrews Street | Langley AFB, NA 23665-2785 | DSN 575-9092 | E-mail: alsa.director@langley.af.mil | Amales | Attorior | Attoriors | Attor

1 2 3 4		FM XX-X.X(FM NUMBER (MCRPNUMBER)MCRP XX-X.X (MCRPNUMBER)NTTP X-XX.X (MCRPNUMBER)AFTTP(I) X-X.XX
5 6	FM X-XX.X	US Army Training and Doctrine Comman Fort Monroe, Virgini
7 8	MCRP X-X.X	Marine Corps Combat Development Comman Quantico, Virgini
9 10	NTTP X-XX.X	Navy Warfare Development Comman Newport, Rhode Island
11 12	AFTTP(I) X-X.XX	Headquarters, Air Force Doctrine Cente Maxwell Air Force Base, Alabam
13		22 October 200-
14		
15		CE TACTICS, TECHNIQUES, AND
16	PROCEDURES FO	R TACTICAL CONVOY OPERATIONS
17	т	ABLE OF CONTENTS
18	•	Page
19		
20	EXECUTIVE SUMMARY	VIII
21		I-1
22		RES/PLANNING CONSIDERATIONSI-1
23		I-1
24	3	I-1
25 26		l-5 l-7
26 27	, ,	
		FOUO FINAL COORDINATION DRAFT

	FINAL COORDINATION DRAFT	
1	Convoy Communication	I-12
2	Special Operations Forces Considerations for Convoys	I-13
3	Support to Convoys	I-14
4	Coalition participation in U.S. convoys	I-16
5	Civilian Contractor participation in U.S. convoys	
6	CHAPTER II	
7	GUN TRUCK AND ESCORT EMPLOYMENT	
8	Gun Truck Employment	
9	Convoy Escorts	
10 11	CHAPTER III Mounted Tactics	
12	Introduction.	
13	Movement Formations and Techniques	
14	Danger Areas	
15	Battle Drills	
16	CHAPTER IV	
17	Improvised Explosive Devices & Vehicle Borne IED	
18	Introduction	
19	Identifying IEDs	
20	Suspicious Activities and Objects	
21	Driving Considerations:	
22	IED Battle DrillsActions on IED contact	IV-7
23	Appendices	
24	Convoy Forms And Checklists	A-1
25	The following forms and Checklists are included in this Appendix:	A-1
26	Sample Warning Order	A-1
27	Time Schedule	A-5
28	Sample Pre-Combat Checks and Pre-Combat Inspections	A-6
29	Convoy Strip Map Standards	A-13
30	Convoy Post-Operations Checklist	
31	Reports	
32	Reports Included:	B-1
33	Accident Procedures and Reporting	B-1
34	Unexploded Ordnance (UXO)	B-1
35	Spot Report (for any information requiring a report)	B-2

1	SALUTE Report (for enemy contact)	B-3
2	ACE Report (used for reorganization and consolidation after enemy of	ontact)B-3
3	Medical Evacuation (MEDEVAC)	B-3
4	Call for Fire	B-4
5	Convoy Briefing	C-1
6	Sample Convoy Commander's Brief (OPORD format	
7	Risk Management	
8	Training	
9	Individual skill sets required before collective training convoy specific	
10	Recommended collective training program	
11	Resources	
12	IED Resources	
13	General Websites	
14 15	Training Tactical Convoy Operations Standard Operating Procedures	
16	SOP Guidelines	
17	References	
18	GLOSSARY	
19		
20	FIGURES	
21	Figure I-1 Small Convoy Configuration	I-11
22	Figure I-2 Large Convoy Configuration	I-11
23	Figure II-1 Examples of Gun trucks used in Iraq	II-1
24	Figure II-2 Mechanized Security Element Escorting Convoy	
25	Figure III-1 Single Vehicle Sectors of Observation and Fire	111-2
26	Figure III-2 Convoy Sectors of Observation and Fire	
27	Figure III-3 Formation: File	111-4
28	Figure III-4 Formation: Stagger	111-5
29	Figure III-5 Formation: Stagger with Gun Trucks	111-5
30	Figure III-6 Formation: Offset	111-6
31	Figure III-7 Formation: Inverted "T"	111-6
31 32	Figure III-7 Formation: Inverted "T"	
	9	111-7
32	Figure III-8 Formation: Diamond	111-7 111-7

1	Figure III-11 Blocking Multiple Intersections	III-10
2	Figure III-12 Danger Areas: Blocking On/Off Ramps	III-11
3	Figure III-13 Danger Areas: Bumping Through Example	III-12
4	Figure III-14 Danger Areas: Traffic Circles	III-13
5	Figure III-15 Danger Areas: Alternate Traffic Circle Blocking TTP	III-14
6	Figure III-16 Danger Area: Deliberate High Clear	1II-15
7	Figure III-17 Danger Area: Deliberate Low Clear	III-16
8	Figure III-18 Danger Areas: Hasty Clearing	1II-17
9	Figure III-19 In stride Hasty Vehicle Recovery	III-19
10	Figure III-20 Dismount: Short Halt	111-20
11	Figure III-21 Dismount: Long Halt	III-21
12	Figure III-22 React to Contact Flow Chart	
13	Figure III-23 Battle Drill: Blow Through (Unescorted)	111-23
14	Figure III-24 Battle Drill: Blow Through (Escorted)	111-23
15	Figure III-25 Battle Drill: Recovery Drill (In Stride Tow)	111-24
16	Figure III-26 Battle Drill: Recovery Drill (Push Through)	111-25
17	Figure III-27 Battle Drill: Hasty Defense	111-26
18	Figure III-28 Battle Drill: Hasty Attack (Suppress)	111-26
19	Figure III-29 Battle Drill: Hasty Attack (Assault)	111-27
20	Figure IV-1 Typical Improvised Explosive Device Configurations	IV-2
21	Figure IV-2 Basic IED Attack	IV-3
22	Figure IV-3 Decoy IED Attack	IV-4
23	Figure IV-4 Disabled Vehicle IED Attack	IV-4
24	Figure IV-5 VBIED Example	IV-5
25	Figure A-1 Example Strip Map	A-14
26		
27		
28	TABLES	
29	Table A-1 Sample Convoy Manifest	
30	Table A-2 Time Schedule	A-5
31	Table D-1 Risk Management Card	D-1
32	Table D-2 Sample Tactical Convoy Risk Reduction Worksheet	
33	Table F-1 Convoy Equipment National Stock Numbers	F-2

1	FOUO FINAL COORDINATION DRAFT Table F-2 Combat Lifesaver KitF-4
2	EXECUTIVE SUMMARY
3	Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations
5	Overview
6	This publication provides a quick-reference guide for convoy commanders
7	operating in combat support and combat service support units. Convoy
8	commanders are faced with many asymmetrical threats as they conduct tactical
9	convoy operations on today's nonlinear, non-contiguous battlefield.
10	Recent combat operations have evolved by introducing diversified threats
11 12	that range from vehicle-borne improvised explosive device (VBIED) to complex ambushes employing improvised explosive device (IED), rocket-propelled
13	grenades (RPG), and small arms. This challenges our military to adjust tactically
14	to meet the threat and employ new tactics, techniques, and procedures to
15	counter the evolving threat tactics.
16	This publication provides the most effective tactics, techniques, and
17	procedures to counter these threats and mitigate risks to U.S. forces conducting
18	tactical convoys. This publication offers detailed troop leading procedures,
19	employment methods for gun trucks, battle drills, and updated information on

Troop Leading Procedures/Planning Considerations

IEDs. The appendices provide many planning tools to assist convoy commanders

(Appendix F) is included that offers websites with additional information on many

related topics in order to keep this publication pocket size. The intent is that this

publication be in every convoy commander's cargo pocket as a quick-reference

as they conduct the planning cycle for tactical convoys. A resources appendix

Chapter I provides an introduction to critical procedures that convoy commanders must perform before, during, and after executing a tactical convoy. The chapter discusses general planning along with additional considerations (route selection, Vehicle and Convoy configuration, Communications, Support to convoys, Coalition partner and Civilian participation) that will ensure the convoy

FOUO FINAL COORDINATION DRAFT

to ease the planning burden.

20

21

22

23

24

25

26

27

28

29

30

FOUO
FINAL COORDINATION DRAFT
commander plans all details associated with tactical convoy operations planning

2	Gun Truck and Escort Employment
3	Chapter II provides best practices for employing gun trucks and convoy
4 5	escorts. The chapter provides recommended task organization, command and control, and TTPs for the security element.
5	control, and tires for the security element.
6	Mounted Tactics
7	Chapter III addresses TTPs that enable a convoy to move relatively
8	unimpeded and provides principles of mounted movement for tactical convoys.
9	Recommended movement formations and techniques, dismount procedures, and
10	battle drills are provided for units as a frame of reference.
11	Improvised Explosive Device and Vehicle Borne IED
12	Chapter IV describes planning considerations to mitigate risks posed by IEDs
13	and VBIEDs. The chapter discusses methods to assist with identification of
14	IEDs/VBIEDs as driving considerations and battle drills for actions on IED
15	contact.
16	Appendices
17	The appendices provide details to amplify TTPs discussed throughout the
18	chapters of this publication. Detailed forms and checklists are provided along
19	with examples of products that are developed in the planning phase of tactical
20	convoy operations. Specific topics and products include:
21	 Convoy Forms and Checklists
22	 Reports
23	Convoy Briefing
24	 Risk Management Considerations
25	Tactical Convoy Training
26	Resources - Websites and quick reference for national stock numbers
27	(NSN) of tactical convoy related equipment.

1	PROGRAM PARTICIPANTS
2	The following commands and agencies participated in the development of this
3	publication:
4	Joint
5	US Joint Forces Command, Norfolk, VA
6	US Central Command, MacDill AFB, FL
7	US Special Operations Command, MacDill AFB, FL
8	US Transportation Command, Scott AFB, IL
9	MPRI, Udairi, Kuwait
10	Army
11	US Army Training and Doctrine Command, Fort Monroe, VA
12	1st Battalion, Training and Support Field Artillery 290 Regt., Fort Sill, OK
13	Combined Arms Support Command (CASCOM)/DCD, Fort Lee, VA
14	ARCENT-KU, Camp Doha, Kuwait
15	ASG-KU, Camp Arifjan, Kuwait
16 17	Joint Readiness Training Center, Ft. Polk LA National Training Center, Ft. Irwin, CA
18	Combat Maneuver Training Center, Grafenwohr, GE
19	765th Transportation Battalion, Ft. Eustis, VA
20	8 th Transportation Bde, Ft. Eustis, VA
21	2d Brigade, 1st Armored Division, Baumholder, GE
22	Marine Corps
23	Marine Corps Combat Development Command, Quantico, VA
24	1 ST Marine Division, Camp Pendleton, CA
25	Tactical Training Exercise Control Group (TTECG), 29 Palms, CA
26	MAGTFTC MCAGCC, 29 Palms, CA
27	MAG 14, Cherry Point, NC
28	Navy
29	Navy Warfare Development Command, Newport, RI
30	First Naval Construction Division, Norfolk, VA
31	Naval Coastal Warfare GRU TWO, Portsmouth, VA
32	Naval Construction Battalion Seven Four, Gulfport, MS
33	Air Force
34	AFDC/DO, Maxwell AFB, AL
	FOUO
	FINAL COORDINATION DRAFT x

X

	FINAL COORDINATION DRAFT
l	HQ ACC/LGT/LGTV/LGTVO/LGRV/CEA/DOYA, Langley AFB, VA
2	Basic Combat Convoy Course (BC3), Lackland AFB, TX
3	820th Security Forces Group, Moody AFB, GA
1	96 th Ground Combat Training Squadron, Eglin AFB, FL
-	

Chapter I TROOP LEADING PROCEDURES/PLANNING CONSIDERATIONS Introduction a. Tactical convoys are characterized by situational awareness, an aggressive posture, agility, and unpredictability. While each convoy, regardless of the type or size, may be different, the troop leading procedures (TLP) used in preparing for the movement are the same and must be trained and constantly rehearsed. THERE IS NO SUCH THING AS AN ADMINISTRATIVE MOVE IN A COMBAT ZONE!

c. The drawings depicted in the following pages are simplified illustrations and should not be taken literally with respect to vehicle interval, type of vehicle, or terrain.

General Planning

b. Tactical convoys are combat operations. They require additional planning and coordination beyond normal line-haul operations due to the noncontiguous,

d. Sequence of events

nonlinear battlefield of today.

(1) Initiate TLPs:

1

3 4 5

6 7

8

10

11

12 13

14

15 16

17 18

19 20

21

22

23 24

25

26

27 28

29

30

31

32 33

34

- (a) Receive the mission. The convoy commander (CC) may receive the mission in a warning order (WARNO), an operations order (OPORD), fragmentary order (FRAGO), transportation movement request, or verbal order (due to time constraints).
- (b) The CC ensures that he completely understands both the mission and the specified and implied tasks involved.
- (c) The CC quickly analyzes the unit's current capability to accomplish the assigned mission. "See Yourself" means making a rapid assessment of any problems (people, supplies or maintenance) that could jeopardize the mission. If the issues are serious enough to require assistance from higher headquarters, raise them immediately.
- (2) The CC designates an Assistant Convoy Commander (ACC). The CC conducts mission planning while the assistant convoy commander concentrates on staging, inspections, manifesting, and rehearsals. The CC remains responsible for all preparations.

- (3) Convoy Commander determines the timeline based on mission, enemy, terrain and weather, time, troops available and civilian (METT-TC). Experience and unit standard operating procedures (SOPs) will accelerate tactical convoy preparation, especially when time is short.
- (4) Issue the WARNO. WARNOs are issued to ensure that subordinate leaders have key information they need to maximize their preparation time. The CC may issue multiple WARNOs as he receives additional information or changes from higher headquarters (See Appendix A).
- (5) Make a tentative plan. The CC will ensure every member in the convoy has enough information needed to complete the mission. A simplified approach to tactical analysis and planning makes use of the following basic considerations of METT-TC.
- (a) Mission. The CC plans to execute all specified and implied tasks found in the higher headquarters OPORD and commander's intent. Determine specified and implied tasks. Limitations must be identified, considered and applied (detours, restricted routes, rules of engagement (ROE)).
 - Radio frequencies/points of contact.
- Timeline.

1

2

5 6

8

10

11

12

13 14

15

16

17

18

19

20

21

22 23

24

25

26

27

28 29

30 31

32

33

34

35 36

- (b) Enemy Situation.
- Coordinate with the unit intelligence officer (S2), movement control element, engineers, and the military police (MP) to assist in development of enemy situation.
- Determine known danger areas and possible ambush sites.
- Gather any additional information needed to complete the mission.
- (c) Terrain and Weather.
- Conduct map/route reconnaissance. Identify checkpoints (CP), release
 points (RP), and rally points along the route. If an actual route
 reconnaissance cannot be conducted, try to coordinate for aerial
 reconnaissance (e.g. fixed wing, rotary wing or unmanned aerial vehicle
 [UAV]).
- Identify link-up points and link-up procedures.
- Prepare strip map for every vehicle and subordinate leader. (See Appendix A)
- Coordinate movement support through adjacent units' area of operations (AO) if required.
- (d) Time.

- Complete the plan as quick as possible to allow for subordinate preparation and implementation.
- Supervise pre-combat checks (PCC).
- Conduct coordination.

2

5

6

78

10

11 12

13

14 15

16

17

18

19

20

21

22

23

24

25

26 27

28

29

30

31

32

33

34

35

36

- (e) Troops Available.
 - Manifest-personnel, supplies, sensitive items. The ACC completes the manifest and forwards to higher headquarters.
 - Identify battle hand-off procedures with quick reaction force (QRF).
 - Identify logistics and life support along the route.
 - Identify availability of materials handling equipment.
- (f) Civilians. Standing ROE will dictate guidance, limitations, and restrictions for civilians supporting military forces as well as non-combatant civilians. Identify any additional requirements to military forces in safeguarding civilian personnel and their vehicle in the convoy.
 - (6) Issue the OPORD. (See Appendix C: Convoy Brief)
 - (7) Confirm radio frequency, call sign, and signals throughout the route.
 - (8) Exchange route intelligence and reconnaissance data.
- (9) Delegate preparatory tasks in priority order.
- (10) Conduct PCCs. (See Appendix A)
- (a) Stage vehicles in order of march.
- (b) Mechanic assists with vehicle PCC.
- (c) Harden vehicles.
- (d) Confirm and update manifest immediately prior to departure.
- (11) Consider the following additional factors:
- (a) Gun trucks. Gun trucks will provide the convoy with additional firepower to deter and/or destroy an enemy threat. See Chapter II for further discussion.
- (b) Forward Security Element (FSE). An advance security element can be used in conjunction with a convoy escort. Its purpose is to move ahead of the convoy as a reconnaissance element providing the CC with route information, as well as current enemy and civilian situational awareness. See Chapter II for further discussion.
- (c) Operations Security (OPSEC). Throughout each phase of planning, preparation, and execution, every effort must be made to maintain OPSEC to deny intelligence to the enemy.
 - Suppress the reflective parts of the vehicles windows and headlights.
 - Consider conducting convoys at night.

FOUO FINAL COORDINATION DRAFT Use proper radio procedures and authorized communications

2 equipment. Cover cargo. Do not stencil or write names or information, such as callsigns and frequencies, on windshields. 5 (d) Have a destruction plan to destroy convoy execution matrix, radio fill and 6 in extreme incidences be prepared and equipped to destroy some vehicles or 7 8 (e) Route vehicle recovery plan. 10 (f) Ambulance/medical coverage (ground and/or air). 11 (g) Dispersion of combat lifesavers (CLS) throughout convoy. 12 (h) Designation of aid and litter teams throughout convoy. (i) Designation of assault teams. 13 (j) Rest or rotation plan for drivers. 14 15 (k) Window screens to deflect grenades. (I) Supply guard to prevent pilferage. 16 (m) MP, infantry or other escort. 17 18 (n) Dispersion of commodities throughout the convoy — cross load! (o) Convoy signals (i.e., flares, hand and arm, use of vehicle signals/lights). 19 (p) Fires support plan along the route (indirect and Close Air Support (CAS). 20 21 (g) Aviation support. 22 (r) Deception plan considerations. Closure report at destination and upon return. 23 (s) 24 Boundary crossing considerations. Movements that cross unit or 25 national boundaries must be properly coordinated by movement control organizations--before convoy movements. The CC must also have the 26 27 information available and the capability to contact the units along the route in order to facilitate boundary coordination and convoy support if required. 28 (12) Conduct thorough convoy briefing prior to SP (See Appendix C). 29 30 (a) Tactical Brief (b) Convoy Execution Matrix. 31 32 (c) Safety Brief — use Risk Management and Risk Reduction (Appendix D). (d)Battle Drills. 33 (13) Conduct Rehearsals. 34

(a) Battle Drills. Clarify individuals' responsibilities upon contact.

	I HAL COOKDINATION BRAIT
1	immediate action drills.
2	(c) Medical evacuation (MEDEVAC). Plan for and rehearse medical
3	evacuation procedures (ground and air) during convoy operations.
4	(d) CommunicationTo include audio, visual, and radio. Redundant means of
5	communication is a must.
6	(e) Ensure escort (FSE, gun trucks) roles, responsibilities, and actions are
7	understood.
8	(f) Vehicle recovery operations for disabled equipment. Ensure PCC included
9	checking for tow bars or cables for each vehicle.
10	(14) Conduct convoy operation.
11	(a) Report SP, CP, RP, crossing of unit controlled boundaries, and other
12	significant activities to higher headquarters.
13	(b) Report in at destination.
14	(15) Conduct debrief of convoy personnel with intelligence/S-2 as soon as
15	possible upon return.
16	(16) Recover and prepare for follow-on mission.
17	(a) Post combat/convoy checks.
18	(b) Vehicle maintenance.
19	(c) Secure weapons, ammunition and sensitive items.
20	(d) Release personnel to subordinate leaders after recovery operations are
21	complete.
22	e. Summation: The bottom line is that a convoy has all the preparation
23	requirements of any detached tactical operation. Plan, prepare, rehearse to
24	execute convoys the same way infantry squad conducts a combat patrol.
25	Route Selection
26	a. Route Reconnaissance and Selection. A reconnaissance of possible convoy
27	routes should precede the actual selection of a route. Higher headquarters may
28	specify the route selected or the determination may be left to the CC. The CC or
29	a designated representative should make a reconnaissance of both the primary
30	and alternate route by ground or air if circumstances will allow it.
31	b. Reconnaissance.
32	(1)A map reconnaissance is made first, followed by a physical (ground or air)
33	reconnaissance, if possible. When making the map reconnaissance, other
34	available information such as engineer intelligence, military police information,
35	and aerial photos should be used. Since route conditions are susceptible to

change in a relatively short time due to enemy action or weather, a physical

reconnaissance is highly beneficial if time and the security situation permit. (2) Physical reconnaissance should be conducted in concert with the supporting engineer element. This is particularly critical when gap crossings and route construction may be required. Aerial reconnaissance may be conducted visually, using aerial photography, or using unmanned aerial vehicles (UAVs) to identify danger areas and choke points on each proposed route.

c. Pre Convoy Considerations.

- (1) In general, convoy routes are selected by identifying, evaluating, and comparing those factors which tend to facilitate convoy movement and control. This information can be analyzed using METT-TC.
- (2) Route Characteristics. Considerations related to route characteristics include:
 - (a) Road surface and bridge capacity
- (b) Grades

1

2

5

8

10

11

12

13

14

15

16

17

18

19

20 21

22

23

24

25

26

27

28

29 30

31

32

33

34 35

36

- (c) Height, weight, widths and turning radius limitations
- (d)Trafficability
- (e) Rural vs. urban areas
 - (f) Estimated operating speeds over various sections of the route
 - (g)Probable traffic conditions
- (h)Probable effect of adverse weather on trafficability
 - (i) Convoy control requirements
 - (j) Avoid predictability (Don't be easily timed, approached, or observed)
 - (k) Friendly and threat force locations
 - (3) Enemy Capability. The enemy's capabilities along a route are fully evaluated based on current intelligence. Other considerations in evaluating the enemy threat include recent experiences by other convoys utilizing the route and the identification of known danger areas along the route, which enhance the enemy's ability to interdict the convoy.
 - (4) Route Classifications. Movement restrictions and highway route control classifications must be considered within the Area of Operations (AO). Route classification is assigned to a route using factors of minimum width, worst route type, least bridge, raft, or culvert military load classification, and obstructions to traffic flow. See related individual Service publications for more detail on this
- d. Post Convoy Actions
 - (1) Record and report actual convoy route taken (as opposed to planned

- route). These should be used as a historical record to avoid patterns and predictability (sometimes referred to as "Honesty Trace").

 (2) Penort any suspicious activity, enemy TTPs, or unusual events to
- (2) Report any suspicious activity, enemy TTPs, or unusual events to intelligence or counter intelligence element.

Convoy Configuration

- a. General. Convoys are planned to organize and control road movements. This includes tactical movement of combat forces, tactical movement of logistics units and the movement of personnel, supplies, and equipment to support forces in combat.
- b. A tactical convoy is defined as a deliberately planned combat operation to move personnel and or cargo via a group of ground transportation assets in a secure manner to or from a target destination under the control of a single commander in a permissive, uncertain or non-permissive environment.
- c. Key Personnel/Teams and Functions/Locations. All of the personnel and team functions described here pertain to any size convoy. Depending on the number of vehicles involved, multiple duties may be performed by a single vehicle crew.
- (1)CC: The leader charged with responsibility for the planning, preparation and execution of a convoy.
- (a) Optimal location for the CC is in the center or just forward of center of the convoy in order to facilitate command and control. However, the CC is free to travel or move to any location to enhance their ability to command and control the convoy.
 - (b) Overall responsibility for conduct of convoy.
 - (c) Ultimate on-ground decision maker.
- (d)Approves $ta\bar{s}k$ organization and delegates personnel and vehicle responsibilities.
 - (e) Conducts convoy OPORD/brief (See Appendix C), and debrief.
 - (f) Responsible for maintaining internal and external communications.
- (2)ACC: Prepared to assume the duties of the CC in addition to the following responsibilities:
 - (a) Normally in charge of the rear convoy element to monitor rear security.
 - (b) Assists the CC in all duties.

- (c) Responsible for logistics and maintenance (vehicles, weapons, communications) and other key equipment support of the convoy.
- (d) Preparation and coordination of medical assets to treat and evacuate casualties.

1	(3)Lead Vehicle Commander (LVC).
2	(a) Performs convoy navigation duties.
3	(b) Maintains convoy speed/ interval as seen from their location or via radio.
4	(c) Is familiar with the route.
5	(d)LVC responsibilities are given to mature, experienced subordinate leaders.
6	(4) Vehicle Commander (VC).
7	(a) Responsible for standard equipment requirements (ammunition, food,
8	water, fuel, etc.,) as well as, organizing, and rehearsing crew drills of assigned
9	vehicle.
10	(b)Task organizes all personnel in vehicle based on type of vehicle.
11	(c) Maintains communications with CC and other vehicle commanders.
12	(d)Provides supervision and guidance to driver as required.
13	(e) Serves as alternate navigator (if applicable based on type of vehicle).
14	(f) Designates alternate driver (if applicable based on type of vehicle).
15	(g)Designates crew-served weapon (CSW) sectors of fire.
16	(5) Driver.
17	(a) Primary duty is to drive.
18	(b) Scans assigned sector of observation.
19	(c) Is prepared to return fire in extreme situations.
20	(d) Responsible for fueling and maintaining vehicle.
21	(e) Can be rotated when required.
22	(6) Navigator (NAV).
23	(a) Ensures vehicle is on correct route via map, global positioning system
24	(GPS) based movement tracking system (Blue Force Tracker, Movement Tracking
25 26	System (MTS), and/or Qualcomm). (b)Communicates checkpoints, turns, danger areas, etc, to VC.
27	(c) Records changes to route and provides to S-2/intel, post-operation.
28	(d) Covers assigned sector with direct fire.
29	(a) covers assigned sector with direct fire. (7) CSW Operator.
30	(a) Responsible for primary and alternate sectors of fire.
31	(b) Targets greatest threat along the route.
32	(c) Can be rotated out.
33	(8) Designated Marksman.
34	(a) The purpose of the designated marksman is to facilitate precision fires
35	and control rates and quantity of fire returned at the enemy
36	(b) Assists the CC to ensure proportionate fire is used for any given threat.

This helps to prevent collateral damage and unnecessary civilian casualties (e.g. a single designated marksman in the convoy engaging a single IED trigger man).

- (c) Should be an expert shooter if possible and/or have an advanced optical e.
- (9) Security Personnel (SEC). All other personnel participating in convoy.
 - (a) There are no passengers in a tactical convoy.
- (b) Observe for potential close threats.
 - (c) Signal and direct civilian traffic as required by VC.
 - (d) Can rotate as necessary into other positions (except for NAV or VC).
 - (e) Dismount on order.

- (f) Under duress, can serve as alternate drivers, NAVs, CSW, or VCs.
- (10) Combat Life Savers (CLS)/Medics. Combat Life Savers / Medics render medical treatment and supervise evacuation of casualties. If possible, multiple CLSs should be assigned throughout the convoy and given responsibility for designated vehicles in order to speed medical attention. If limited capability exists, CLS assets should be positioned in the rear of the formation to better support the convoy.
- (11) Aid and Litter (A&L) Team. The A&L teams consist of two personnel each and are responsible for providing buddy aid, preparation of casualties for movement and/or evacuation under supervision of the CLS. If possible, multiple A&L teams should be assigned throughout the convoy and assigned responsibility for designated vehicles to speed medical assistance. If limited capability exists, teams should be positioned in the rear of the convoy to support the CLS. CLS personnel should not be assigned to an aid and litter team. They should focus on treatment.
- (12) Landing Zone (LZ) Team: The LZ team consists of a minimum of two personnel responsible for establishing and marking the LZ site. If possible, assign an alternate team. PCC should include inventory of all equipment necessary for LZ establishment.
- (13) Assault Team: The CC designates personnel within the convoy to act as an assault element in the event the convoy encounters heavy enemy action requiring the convoy to halt. If the configuration of the convoy (i.e. unit move) has personnel available to dismount the vehicle separate from vehicle crew members, this assault element should travel within the body of the convoy to act as an assault element under the guidance of the CC.
- (14) Recovery Team: Maintenance recovery personnel and vehicle(s) should

1 be designated to assist with maintenance and recovery of convoy assets along the route. Wheeled maintenance and recovery vehicles are preferred. If not 2 available, the recovery vehicle should be capable of towing any vehicle in the convoy and be equipped with chains, tow cables, etc., and requisite tools to provide minor repairs and recovery. The personnel assigned to this vehicle rehearse hasty recovery prior to SP. This vehicle is normally the next to last 5 vehicle in the convoy if there is a rear gun truck. If it is the last vehicle, it must 8 have a rear guard with an automatic weapon to provide protection to the rear of the convoy. As an additional recovery capability, all vehicles should carry tow 10 cables or ropes in order to be able to recover a like or smaller size vehicle. 11 d. Convoy Organization / Order of March: Convoys are generally organized in 12 three elements: the lead, main body, and trail. The lead element consists of the lead gun truck (if available) and the Lead VC. The main body consists of the 13 14 majority of the vehicles in the convoy with the CC traveling wherever deemed 15 necessary to best command and control from within this element. Petroleum or ammunition vehicles should be separated throughout this element. Heavier and 16 slower vehicles should be forward in the main body to assist in 17 18 gauging/maintaining convoy speeds. 19 e. For large convoys (20 or more vehicles), multiple CLS/Aid and Litter Teams 20 and additional gun trucks should be dispersed throughout this element. The trail element consists of a CLS/Aid and Litter Team, the recovery vehicle(s), the ACC, 21 and the rear gun truck. How key personnel and teams might be organized in an 22 23 order of march for small and large vehicle convoys is illustrated in Figures I-1 24 and I-2.

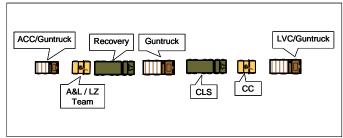


Figure I-1 Small Convoy Configuration

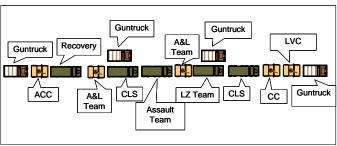


Figure I-2 Large Convoy Configuration

3 f. Convoy Configuration.

1

4 5

- (1) Gun Truck #1 lead vehicle (Scouting area to the front).
- (2) Experienced senior driver in lead vehicle.
- 6 7 (3)CC locates where best to command and control.
 - (4) Gun Truck #2 behind CC in order to react to CC directions.
- 8 (5) Wrecker in rear element of convoy in order to recover disabled vehicles.
- 9 (6) Gun Truck #3 is the last vehicle in the convoy and provides rear security. 10
 - (7) ACC with CLS in rear element of convoy.
- 11 (8) Spread Classes of supplies throughout the convoy.
- 12 (9) Avoid isolating a gun truck by itself when scouting ahead of the convoy.
- 13 When scouting ahead, use two Gun Trucks to provide mutual supporting fires.

- (10) When there are only 2-3 gun trucks in a convoy, it is best to keep the gun trucks with the convoy.
 g. Vehicle Interval
 (1) Vehicle interval (distance or gap) should be directed by CC according to terrain and threat. A critical factor affecting intervals should include minimizing.
 - (1) Vehicle interval (distance or gap) should be directed by CC according to terrain and threat. A critical factor affecting intervals should include minimizing the enemy threat while maximizing mutually supportive overlapping fires. When a halt occurs, all vehicles stop at the interval dictated by the CC in the convoy brief
- (2) Speed and Safety. Convoy Commander will dictate normal speed and catch-up speed during the Convoy Brief. The rate of speed is determined by METT-TC and:
 - (a) Physical condition and level of training of the vehicle operators.
 - (b) Types and mechanical condition of the convoy vehicles.
 - (c) Speed of the slowest vehicle based on capability, type, or weight of load.
 - (d) Degree of urgency the convoy requires.
- (e) Condition of the roads (dust, mud, snow, and ice).(f) Physical characteristics of the roadway along the roadway.
 - (f) Physical characteristics of the roadway along the route (grades, sharp turns, congestion).
 - (g) Weather conditions.

Vehicle Configuration

- a. Hardening Vehicles--Kevlar blankets, armor plating, ballistic glass, other protective devices (i.e. sand bags).
- (1) Makes certain vehicle components less vulnerable.
 - (2) Significantly protects occupants from injury or death in the case of attack.
- b. Camouflage and Concealment.
- (1) Camouflage or cover shiny surfaces.
- (2) Paint vehicles in a pattern to blend in with the terrain and break the outline.
- (3) Train operators to look for other means of concealment to break the outline of the vehicle.
- (4) Don't run lights during a daytime convoy.
- (5) Tape over running lights and front lights to reduce profile.

Convoy Communication

- a. Primary means of communication with movement control, air support, and within the convoy is by radio. Radios must be secure-capable communications means
- b. There are three types of communications to be considered:

FOUO FINAL COORDINATION DRAFT

1

2

5

7 8

10

11

12

13 14

15

18

19

20

21 22

23

24

25

26

27 28

29

30

31

32 33

34

- 1 (1) Vehicle internal.
 - (2)Truck to truck.

2

5

6

7 8

10

11 12

13 14

15 16

17 18

19

- (3) External to convoy.
 - c. Alternate communications techniques within the convoy (e.g. hand signals, pyrotechnics, vehicle signals, etc.) must be covered by the CC during the convoy briefing and rehearsals.
 - d. Strive to have minimum of two GPS navigation and messaging systems within each convoy.
 - e. CC and ACC know theater level convoy channel to coordinate with Battalion level command posts that monitor and can assist with QRF.

Special Operations Forces Considerations for Convoys

- f. Conventional forces must be capable of identifying friendly special operations forces (SOF) so as not to mistakenly confuse them with enemy forces. SOF elements may be operating throughout the AO performing such missions as:
- (1) Critical Intelligence Collection
 - (2) Direct Action
 - (3) Training of Forces
 - (4) Civil Military Operations
 - (5) Personal Security Details
- g. SOF units may come from US Forces, coalition forces, or other governmentagencies.
- h. Conventional forces conducting convoy operations must be aware that SOF
- operates in their midst. SOF operate in a discreet manner using non-tactical
- vehicles (NTV) (e.g. Armored Sedans/SUVs, local-style sedans/vans/trucks, and
- 25 "Technicals" (armored pick-up trucks such as the Toyota Hi-Lux). These
- operators may not be in conventional uniform or lack a "military appearance."
- 27 SOF will do their best to forewarn conventional forces either through prior
- 28 coordination or deconfliction. However, this is not always possible either due to
- 29 OPSEC, time, or other considerations.
- 30 i. SOF will also use tactical vehicles in an unconventional manner or
- 31 configuration such as having doors removed, outboard faced seating, and limited
- 32 seatbelt use. SOF will operate in patrols as small as two vehicles, day or night,
- in any location, and will often ignore local traffic control mechanisms. Tactical
- Vehicles include, but are not limited to: M1113 desert/ground mobility vehicle,
- ranger special operations vehicle, and foreign tactical trucks.
- 36 j. Expect SOF, traveling in a discreet manner, to approach the convoy with

- caution and with some form of friendly marking (near recognition). Examples
 include, but are not limited to:
 - (1) VS-17 Panels.
- 4 (2)US Flags.
- 5 (3)Ball Caps.
- 6 (4) ID cards.

8 9

10

11

12

13 14

15

16

17

18

19 20

21

22

23 24

25

26

27 28

29

30

31

32 33

34

35

36

- 7 (5) "Wig-Wag Lights"/headlight code.
 - (6) Infra red strobe.
 - (7) Hand/arm signals (with eye contact).
 - k. In order to prevent fratricide, it is imperative that conventional forces:
 - (1) Are aware of the presence of SOF units along the convoy route.
 - (2) Quickly identify discreet friendly forces.
 - (3) Do not point weapons systems at the discreet friendly forces.
 - (4) Do not prevent or otherwise hinder the passage of SOF in vicinity of the convoy.

Support to Convoys

- a. Aviation: Aviation can be a force multiplier to the CC. The overt presence of aircraft will often prevent an attack or cause the enemy to break contact. Unfortunately, effective employment of aircraft can be confusing. In most cases a convoy will not have a dedicated joint terminal attack controller (JTAC). This does not mean that CC cannot coordinate air support. It is the CC's responsibility to become familiar with what air support is available and how to employ it. Aviation support to convoys not only includes close air support (CAS) but also can be used for Route Recce and show of force.
- (1)CAS is air action by fixed- and rotary-wing aircraft against hostile targets that are in close proximity to friendly forces and which require detailed integration of each air mission with the fire and movement of those forces. The most effective way to stop an enemy attack on a convoy is to kill the attackers. The standard format for CAS is spelled out in the ALSA J-FIRE MTTP and JP 3-09. Although terminal attack controllers have very specific procedures for CAS, a qualified JTAC is not required to employ effective air support. The minimum information a CC needs to convey to the pilots are:
- (a) Friendlies location: Friendly location can be passed using grid coordinate, latitude/longitude or reference to a distinctive terrain feature (e.g. a bridge or tower). A formation of vehicles is very visible from the air. However, if there are any friendlies away from the convoy, they need to be identified to the pilots

before ordnance is delivered.

1

2

3

4

5

6

7 8

9

10

11

12

13 14

15

16

17

18

19 20

21

22

23

24

25

26 27

28

29

30

31

- (b) Enemy location: The enemy's position will usually be referenced relative to the convoy's position. For example: 'From the lead vehicle...North 200 meters, from the tallest building.' This is referred to as a 'talk-on' and may take some time. Sometimes things that are obvious from the ground are invisible from the air. Don't get frustrated if the pilots can't see the reference point. When in doubt, use plain English. (See Appendix B)
- (c) Amplifying remarks: The pilot will do his best to defend the convoy, however ROE may require him to ask more specific questions; like proximity to civilians and enemy actions.
- (d)Lastly, the ground observer needs to be able to stop an unsafe situation before it develops. For example, a friendly unit approaching the enemy position as a jet begins a strafing run. If an unsafe situation does develop the ground observer should transmit "Abort, Abort, Abort" to stop the attack.

(2) Route Recce.

- (a) While on the move, the convoy's route can be examined by either fixed wing, rotary wing, or UAV aircraft.
- (b) Most tactical jets can carry sensor pods that enable them to reconnoiter the route both day and night, for miles ahead of the convoy position at high altitudes
- (c) Attack helicopters also carry light and heat sensors and can reconnoiter by force ahead of convoy routes and screen the flanks of the convoy.
- (d)UAVs can assist in locating road blocks, enemy firing positions on building roofs and deliberate ambush sites.
- (3) Show of Force: Many convoy routes will go through known danger areas but will not be permitted to fire unless threatened by the enemy based on ROE. A show of force is a low/fast pass, simulating a strafing run by a tactical jet over a suspected enemy position and serves as a deterrent. The specific aircraft attack profile and theater ROE will dictate how low the aircraft can over-fly. b. Electronic Counter measures: There are several developments in this area to help counter threat IED tactics that are beyond the scope of this document. The CC needs to be familiar with these assets, if they are available in theater.
- 32 33 c. Fire Support. Higher headquarters provides indirect fire support assets to the
- 34 CC for planning should they be available and within range of the convoy route. 35 Targets such as choke points, suspected ambush sites, known danger areas, and
- 36 easily identified terrain features should be coordinated prior to the convoy

- departure. Fires can be shifted from these pre-coordinated target reference points or simply called in with exact grid coordinates of the target. As with air support, the ground observer must be able to stop any unsafe situation that
- develops. Indirect fire should always be controlled with "eyes on target" in order to ensure the desired target is hit. "Cease fire, Cease Fire, Cease Fire" over the
- radio will stop the supporting firing unit from continuing with the indirect fire mission
 - d. Mobile Security Force (MSF)/QRF. CC should know if this is available and ensure the convoy briefing includes standard call sign and frequency for any dedicated ground units available to support their convoy along it's route.

Coalition participation in U.S. convoys

- a. Fully integrate coalition vehicles into convoy, but maintain organizational integrity.
- b. Coalition convoys present a command and control challenge. U.S. Forces will always be under the command and control of U.S. leadership. It is important to determine and communicate, who is in charge of the convoy during planning.
- 17 c. Beware of cultural sensitivities and brief to all members of the convoy.
- 18 d. Verify ROE specifics between forces.
- e. Rehearse all battle drills; focusing on actions on contact that may require an
 aggressive posture.
- f. Consider language barriers and use of interpreters; consider challenges to communications due to differences in language/dialects. Are interpreters required, and if so, how many? (See Appendix F)
 - g. Consider communication systems compatibility. Coordinate how communications will work for the command and control of all assets in the convoy.

Civilian Contractor participation in U.S. convoys

- a. Disperse civilian contractor vehicles throughout the convoy.
- b. Consider that contracted drivers will be unarmed. Specific force protection measures (mission dependent) could include: military shotgun guard (i.e., 1 to every 3 contractor vehicles).
- c. Realize that contractors may not speak English and will proportionally increase
 C2 interpreter training and rehearsal requirements.
- d. Distribute civilian vehicles throughout the convoy due to limited
- 35 communications capabilities.
- e. Consider cultural and discipline differences among civilian drivers and possible

FINAL COORDINATION DRAFT

8

10

11 12

13

14

15 16

24

25

26

27

28

29

30

- FOUO
 FINAL COORDINATION DRAFT
 implications on convoy. This will impact vehicle crew mix.
 f. Consider different capabilities of civilian vehicles to tactical vehicles due to terrain conditions 1 2 3 4

Chapter II GUN TRUCK AND ESCORT EMPLOYMENT

3 4 5

6

7

8

10

11

15

16 17

18 19

20

21

22

23 24

25

1

2

Gun Truck Employment

a. Definition. A gun truck, like the two pictured in Figure II-1, is a vehicle where the primary weapon system is a CSW with a 360 degree field of fire capability. Ideal platform is a hardback / or up-armored high mobility multipurpose wheeled vehicle (HMMWV) (M1114/M1113). Gun trucks are essential direct fire support vehicles for convoys manned by a trained crew consisting of VC, gunner, and driver. Gun trucks have the capability to suppress targets and maneuver within unprotected convoy areas.



Figure II-1 Examples of Gun trucks used in Iraq

- Figure IIb. Gun Truck Missions.
 - (1) Route security.
 - (2) Observe assigned sectors of fire and observation.
 - (3) Stationary security.
 - (4) Traffic control points.
 - (5) FSE and lead or rear security for main body of convoy.
 - (6) Dispersed throughout the order of march or moving freely among the convoy to maintain security.
 - (7)Counter Assault Element.
 - c. The CC is responsible for gun trucks operating in direct support of the convoy. Gun truck crews will be present for the convoy brief and final rehearsals to
 - ensure synchronization of effort. While gun truck battle drills may be used to

react quickly to various types of enemy contact, their movement, maneuver and engagements must be coordinated and monitored by the CC or other designated subordinate convoy leaders.

- (1) In the event of significant enemy contact, gun trucks maneuver to the flanks of the threat, positioning behind cover with stand-off distance to deliver accurate and sustained fires.
- (2) Gun truck weapon systems must be displayed in an offensive posture to deter aggression.
- (3) Gunners will scan their surroundings and remain alert, observing civilians actions (paying attention to hands) to view suspicious behavior and also ensure enemies are aware of alert convoy posture.
- d. Possible Gun Truck Design Considerations.
 - (1)M-2, MK-19, M-240, M-60, and M-249 with a stable adapter pintle (See Appendix F for NSNs).
 - (2)Use of support vehicles with weapon system.
 - (3) Use ballistic blankets and fiber sheets as an alternative protective material to steel. Protective material must be able to protect gunner(s) from IEDs, direct fire, and vehicle motion. Designs protection so that vehicle is not top heavy. Take into consideration weight of armor on performance of vehicle.
- (4) Must give 360 degree area of visibility and firing.
 - (5) Must have communications between crew members.
 - e. Responsibility

1

2

5

8

10

11

12

13 14

15

16

17 18

19

20

21

22

23

24

25

26 27

28

30

31

34

35 36

- (1) Gun truck crews should be trained on the following (See appendix E):
 - (a) All weapons systems carried or used in vehicle.
 - (b)TLPs, SOPs, reporting requirements, and the importance of cross training.
 - (c) All battle drills.
- (d) How to identify, discriminate, and quickly engage to suppress threat
- (e) Convoy control and movement techniques. 29
 - (f) Maintenance of vehicle and all assigned equipment.
 - (g)Communications procedures.
- 32 (h) Safety and risk assessment to increase survivability. 33
 - (i) ROE.
 - (2) Gun trucks maintain communication and visual contact with the convoy. At halts, gun trucks provide 360 degree security at positions on flanks that provide clear fields of fire.

FINAL COORDINATION DRAFT
(3) Upon attack, Gun truck gunners scan for enemy who initiated attack.
Gunners return well aimed suppressive fire on attacks from small arms and RPG
attacks. Gunners scan and identify enemy RPG gunners and search for telltale
puff of bluish-gray smoke from RPG launch. Use appropriate level of force.
(4) During the convoy execution phase, the VC:
(a) Arrives at SP on time and maintains position in convoy, to include interval
and speed.
(b) Controls the gun truck based on orders from the CC.

- (c) Positions truck, normally at the front, center, and rear of the convoy.
- (d) Is prepared to aggressively respond to threats.
- (e) Identifies the threat and directs return fire as soon as feasible, engaging the most dangerous threat first. Target prioritization will be covered in direct fire planning in the OPORD and specify target precedence for each weapon systems.
 - (f) If under indirect fire, identifies and directs gunner's fire on the enemy.
- (g)Ensures drivers follow convoy procedures for contact alerts, signaling, and reporting.
 - (h)Quickly assesses the situation and reports to the CC.
- (i) If the CC cannot be contacted, reacts in accordance with the convoy briefing and $\mathsf{SOPs}.$
 - (j) Maintains convoy security throughout movement.
 - (k) Orients weapons as directed to provide 360 degree coverage.
 - (I) Reports contact and develops situation to provide situational update.
 - (m) When convoy is halted:

5 6

> 7 8

10

11

12

13 14

15

16

17

18

19

20

21

22

23

24

25

26 27

28

29

30 31

32

33 34

35

36

- (1) Selects positions that ensure convoy security.
- (2) Conducts consolidation and reorganization operations.
- (3) Checks condition of troops and equipment and reports.
- (4) Submits SITREP, SPOT, or ACE reports.
- (5) In crowded areas, gun trucks can be used to disperse crowds, and to block intersections to allow convoys through.
- (6) Do not isolate gun truck by itself to recon ahead of the convoy outside of mutual support. When conducting reconnaissance ahead of convoy, no less than two gun trucks should cover each other.
- (7)Gun trucks maneuver to block and contain vehicles driving erratically in and around convoy. Show of force posture from gun truck is usually enough to ward off civilian vehicles that challenge convoy with aggressive driving (See Chapter III).

FOUO FINAL COORDINATION DRAFT Convoy Escorts

a. Definition. Any security element/augmentation that has an independent task organization that will be supporting a convoy—to include air support, MP detachment, or security element from a maneuver battalion.

b. Task Organization. METT-TC will determine the size of the security element supporting. Mechanized/light armored vehicle units are better suited to this mission than HMMWV units because of their firepower and armor protection from direct fire, indirect fire, and mines. Careful evaluation of the threat must be undertaken prior to assigning convoy escort to HMMWV-equipped security elements.

c. The convoy escort mission requires that the security element/convoy escort provide a convoy with close-in protection from direct fire/complex ambushes.

(1)Command and Control. Command and control during convoy escort is especially critical due to the inherent challenges of working with units that may not have habitual/organic relationships. When the security element/ escort leader is executing the escort mission, it operates under the control of the CC, regardless of rank. The relationship between the convoy escort (Security element leader) and the CC must provide for unity of command.

Note: No matter how experienced the security element is, all battle drills should be covered (and then rehearsed) to ensure all attached units understand the escort's SOPs.

(2) Tactical Disposition. The convoy escort is broken down into a FSE and a counter assault element (CAE). The FSE is responsible for forward security. It should have a portion of the dismounted force capable of dealing with known danger areas (overpasses, bridges likely IED/ambush sites). The remainder of the security element can be located throughout the convoy to serve as a reaction force and does not need to be co-located (e.g. two gun trucks in the rear of the formation (trail) and part of the dismount force centrally located in the convoy (see Figure II 2). Engineer assets, if available, should be located toward the front to respond to obstacles and the fire support team (FIST) should be located near the CC and/or security element leader. The convoy escort will normally use the column formation due to their inherent speed and ease of movement.

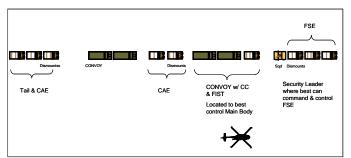


Figure II-2 Mechanized Security Element Escorting Convoy d. TTPs for the Convoy Escort.

(1) Decision making relationship between CC and convoy escort. The CC, more than likely, will want to rely on the expert-advice of the escort leader for decision-making on battle drill execution, traveling TTPs, and task organization within the formation. However; the overall responsibility to break contact or "remain and fight" always remains with the CC.

(2) TTPs for dispersing crowd: Close-up vehicle intervals and continue to push through the blocked area, and/or use a bypass around the crowd. The entire convoy, specifically designated members of the convoy, and/or weapons systems within the convoy may increase weapons conditions to show an escalation of force. For this technique to work effectively, a small number of personnel are designated to be at a lesser weapons condition during execution in order to show escalation of force.

(3) Designated Marksman. The escort leader should assign designated marksman in each vehicle throughout the escort element. Successful use of the designated marksman requires a quick assessment by the unit leader -in the event of an IED - to determine if the explosion is just an IED or actually the initiation of a complex ambush. This initial assessment by the leader is most crucial and difficult. It can be extremely challenging to control an inexperienced unit from overreacting prior to an accurate assessment. This assessment needs to be done by each VC, as well as the security element and CC.

e. TTPs for the FSE.

1 2

3

4

5

6

7

8

9

10

11

12

13 14

15

16 17

18

19

20

21

22

1	(1) Forward reconnaissance.
2	(a) Known danger areas. Certain areas may attract continuous enemy
3	attacks due to advantageous terrain. These known danger areas should be
4	avoided if possible. The following is a list of recommended TTPs if a convoy is
5	required to pass through a known danger area:
6	(1) Provide an overwatch unit.
7	(2) Use advanced optics to scan the area for IEDs or enemy
8	positions prior to crossing.
9	(3) Use UAVs or air support to observe.
10	(4) Have preplanned fire support.
11	(5) Use dismounts to conduct a sweep of the area for IEDs and/or
12	IED initiators.
13	(b) For specific battledrills at overpasses/off-ramps chokepoints and traffic
14	control see Chapter III.
15	(2) In the event of significant enemy contact against the FSE while ahead of
16	the convoy, the FSE leader will recommend a course of action to the CC (i.e.
17	bypass, hold current position, send up reinforcements, etc.). FSEs should
18	establish SOPs that facilitate the basic principles of establishing a support by fire
19	position and having the dismounts attached to the FSE conduct fire and
20	maneuver to close with and destroy the enemy threat.

Chapter III Mounted Tactics

> 6 7

8

10

11 12

13

14 15

16 17

18

19

20

21 22

23

24

25

26

27 28

29

30

31

32

33

34

1

Introduction

- a. Mounted tactics comprise the TTPs that enable a convoy to move relatively unimpeded and respond quickly to enemy contact. There are many ways to accomplish these battle drills and this chapter is meant to provide minimum recommended movement techniques, dismount procedures, and battle drills that individual units can use as a frame of reference. The four principles of mounted movement for tactical convoys are:
 - (1)360 degree security combining maximum all-around visibility for situational awareness, interlocking sectors of fire and mutual support.
 - (2) Deterrence Presenting a menacing and aggressive posture demonstrating the readiness and willingness to engage. The convoy owns the road.
 - (3) Agility The ability of the tactical convoy to adapt to conditions whether they are environmental or enemy.
 - (4)Unpredictability Minimizing the enemy's ability to accurately observe, time, or otherwise predict the movement of tactical convoys.
 - b. Drive as fast as appropriate for road conditions and driver's skills.
 - (1)Control convoy speeds to prevent spreading out or rear vehicle from falling behind.
 - (2) Convoy speed is determined by the slowest vehicle or the rear vehicle's ability to catch up.
 - (3)360 degree security is necessary to prevent vehicles from approaching from any direction.
 - (4)Maintain an aggressive posture in order to keep vehicles from approaching
 - (5) Recommend 75 100m between vehicles on the open road based on mission analysis. Tighten intervals In urban areas, but maintain sufficient interval to maintain maneuverability.
 - (6) Maintain visual contact with the vehicles to your front and rear.
 - (7) If the convoy has no escort or internal gun trucks available, the vehicles in the rear and front need to be able to observe in those directions.
 - c. Sectors of observation and fire:
 - (1) Sector of observation is comprised of the entire area visible to the crew

member. Not all areas that can be observed can be affected by direct fire. Observers scan both in depth and width without excessive focus on any object, activity or person. Your eyes do not depart your sector of observation regardless of what others within your vehicle are doing.

- (a) Driver's observes from 9:00 to 13:00
- (b) VC's observes from 11:00 to 3:00
- (2) Sector of fire is the area that can be covered with direct fire. Consider designating primary and alternate sectors of fire for both crew compartment as well as CSW personnel. Drivers must be trained to fire their weapon while continuing to operate the vehicle. The driver's primary mission is to operate the vehicle and should only engage targets if the vehicle is halted unless there is no one else who can neutralize the threat from that side.
 - (a) Driver's sector of fire is from 9:00 to 11:00
 - (b) VC's sector of fire is from 1:00 to 3:00
- (c) Figure III-1 depicts Driver and VC fields of observation and fire for a single vehicle and Figure III-2 for a convoy.

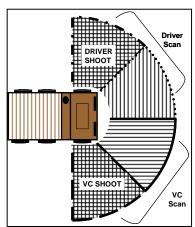


Figure III-1 Single Vehicle Sectors of Observation and Fire

17 18

1

2

5 6

7 8

10

11 12

13

14 15

16

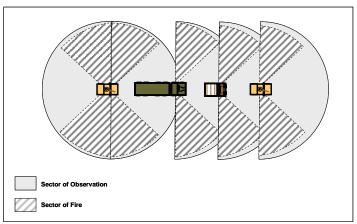


Figure III-2 Convoy Sectors of Observation and Fire

Movement Formations and Techniques 1 2 The following are techniques that can be used based on the situation, road 3 conditions, and the judgment of the CC. a. File formation, Gun trucks front and rear (Figure III-3). (1) Best used with inexperienced or foreign drivers. 6 (2) Advantages: (a) Simplicity. 8 (b) Usable at night but interval will have to be compressed. (c) Minimizes IED blast effects (when driving on centerline of road). 9 (3) Disadvantages: 10 11 (a) Weak left flank security. (b) Reduced field of view. 12 13 (c) Reduced headlight coverage at night.



Figure III-3 Formation: File

FOUO FINAL COORDINATION DRAFT

III-4

- b. Staggered Formation (Figures III-4 and III-5).
- 2 (1)Used only on multi-lane roads.
 - (2) Advantages:

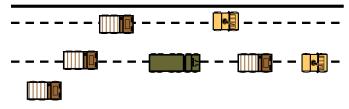
3

8

11

13 14

- (a) Allows for all around security.
- (b) Greater flexibility.
- 4 5 (c) Permits ease of maneuver during contact. 6
- 7 (d)Limits third party vehicle interference.
 - (e) Greater headlight coverage at night.
 - (3) Disadvantages:
- 10 (a) Requires more command and control and driver experience.
 - (b) More vulnerable to IED blast effects.



12 Figure III-4 Formation: Stagger

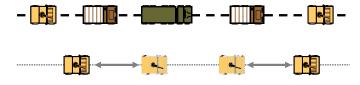


Figure III-5 Formation: Stagger with Gun Trucks

15 c. Offset Formation (Figure III-6).

- (1) Used to block third party traffic and assists in changing lanes.
- 16 17 (2) Advantages:

- FOUO
 FINAL COORDINATION DRAFT
 (a) Combines flexibility of Stagger with the ease of File Formation.
- (b) Allows CC to control third party traffic. 2
- 3 (3) Disadvantages:
 - (a) Vulnerable to IED blast effects.
 - (b) Difficult to command and control.

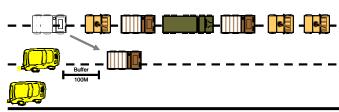


Figure III-6 Formation: Offset

6 7 8

10

11

13 14

4 5

- d. Inverted 'T' Formation (Figure III-7)
- (1) Used on multilane roads, convoy runs the centerline of their lanes.
- (2) Advantage: Limits third party vehicle infiltration.
 - (3) Disadvantages:
- 12 (a) Requires experienced drivers.
 - (b) Difficult to command and control without sufficient communications.
 - (c) Weak left flank security.

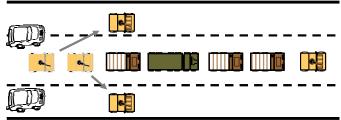


Figure III-7 Formation: Inverted "T"

15 16

- e. Diamond Formation (Figure III-8).
- (1) Used on multilane roads, Limits third party vehicle infiltration.
 - (2) Advantage: Limits third party vehicle infiltration.
- 4 (3) Disadvantages: 5
 - (a) Requires experienced drivers.
 - (b) Difficult to command and control without sufficient communications.

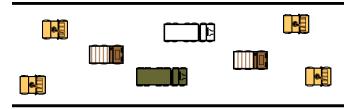


Figure III-8 Formation: Diamond

7 8 9

10

11

12 13

14

15

16

1

2

3

- f. Changing Lanes (Figure II-9).
- (1) Used to prevent third party traffic interference with the convoy's ability to change lanes.
- (2) A pre-designated blocking vehicle in the rear is ordered to block left or right.
 - (3) Blocking vehicle moves into appropriate lane to block third party traffic.
 - (4)Once in position the convoy changes lanes in front of the blocking vehicle.
- (5) The offset formation (above) also allows for easy lane changes.

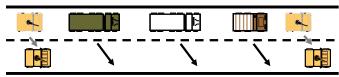


Figure III-9 Movement Technique: Changing Lanes

21

Danger Areas

a. Actions at Danger Areas: Danger Areas are specific locations where additional awareness and control is required to allow a convoy to move through a point

FOUO FINAL COORDINATION DRAFT party traffic and remaining

- 1	write both controlling third party traine and remaining alert to potential threats.
2	Examples are intersections, traffic circles, overpasses, and on/off ramps. The
3	following techniques are used based on the CC's mission analysis.
4	(1) Blocking and Bumping Techniques. Blocking is an advanced technique used
5	to physically block the road with a vehicle to prevent traffic from feeder roads,
6	traffic circles and on/off-ramps from intermingling with your convoy.
7	(a) These techniques are battle drills that require extensive rehearsals.
8	(b) Route reconnaissance/analysis is critical to determine ahead of time
9	where these techniques will be used.
10	(c) Blocking vehicles are designated during mission preparation.
11	(d)Blocking vehicles should not be the front or rear escort vehicles.
12	(e) If a gun truck is to be used as a "Blocker," more crewmembers than just
13	a driver and VC will be required.
14	(f) "Block Left" or "Block Right" commands indicate a particular side of the
15	road.
16	(g) In large convoys, blocking trucks can be relieved in place by subsequent
17	blocking trucks from within the convoy to maintain order of march.
18	(h)Blocking requires extensive command and control and experienced teams.
19	(i) Command given by designated VC or CC indicating requirement for
20	designated vehicles to bump up to a location to block.
21	(j) Road Intersections (Figure III-10):
22	(1) Reduce speed as you approach the intersection.
23	Reduce interval but maintain sufficient room for maneuver.
24	(3) Blocking vehicle(s) move up the side of the convoy where they
25	are to set the block.

26 (4) Blocking vehicles set before the convoy enters the intersection.
27 (5) Once the convoy passes, blocking vehicle(s) move forward and
28 resume position in order of march.

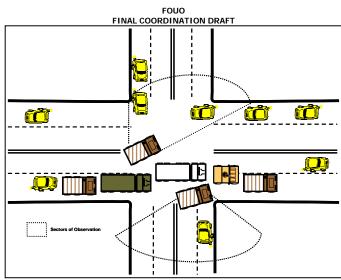


Figure III-10 Blocking Intersection

1	
2	(k) Multiple Intersections (Figure III-11):
3	(1) Each additional intersection is handled by a different blocking
4	vehicle from the convoy.
5	(2) Blocking vehicles that are not gun trucks need internal security

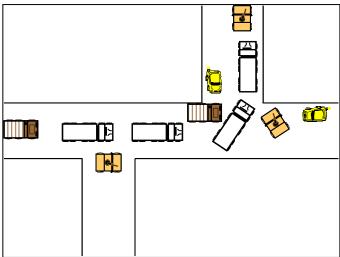


Figure III-11 Blocking Multiple Intersections

1 2 3

4

- (I) On / Off Ramps (Figure III-12)
 (1) The same concept for intersections is used for on/off ramps.

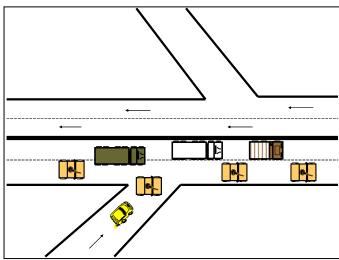


Figure III-12 Danger Areas: Blocking On/Off Ramps

1 2 3

8

(m) Bumping (Figure III-13) is the replacement of one blocking vehicle with another. This technique is similar to "road guards" during a unit PT run. Blocking vehicles "bump" ahead and act as barriers to third party interference. Blocking vehicles move from the rear to "bump" out" or "bump through" the initial blocking vehicle. This enables both blocking vehicles to better reconstitute.

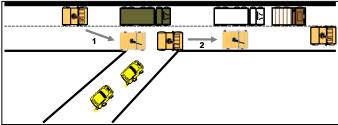


Figure III-13 Danger Areas: Bumping Through Example

FOUO

		FINAL COORDINATION DRAFT
1		
2	(n)Traffic C	ircles (Figure III-14)
3	(1)	Allows the convoy to control the circle and move rapidly
4	through without in	terference from third party traffic.
5	(2)	Reduce speed as you approach the circle.
6	(3)	Reduce interval but maintain sufficient room for maneuver.
7	(4)	Blocking vehicle(s) move up the side of the convoy where they
8	are to set the block	ζ.
9	(5)	Blocking vehicles need to be set before the convoy enters the
0	circle.	
11	(6)	Once the convoy passes, blocking vehicle(s) move forward and
2	resume position in	order of march.

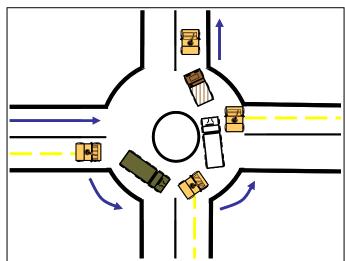


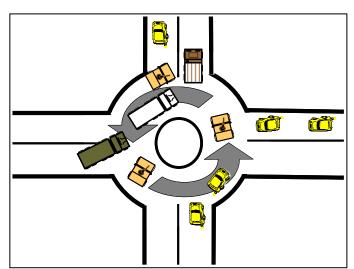
Figure III-14 Danger Areas: Traffic Circles

13 14 15

(o) Alternate Traffic Circle Technique (Figure III-15)

		TIMAL COOKDINATION DRAFT	
1	(1)	Variation of the same drill to take more direct route.	
2	(2)	Allows the convoy to control the circle and move rapidly	
3	through without interference from third party traffic.		
4	(3)	Reduce speed approaching the circle.	
5	(4)	Reduce interval but maintain sufficient room for maneuver.	
6	(5)	Blocking vehicle(s) move up the side of the convoy where they	
7	are to set the block.		
8	(6)	Blocking vehicles need to be set before the convoy enters the	
9	circle.		
10	(7)	Once the convoy passes blocking vehicle(s) move forward and	
11	resume position in order of march.		
12	(8)	Higher risk due to traveling against the flow of traffic.	
12			

13



14 15 16

Figure III-15 Danger Areas: Alternate Traffic Circle Blocking TTP

(p)Overpass. Overpasses present a unique hazard in that there is dead FOUO FINAL COORDINATION DRAFT

III-14

FOUO FINAL COORDINATION DRAFT space on the top that can not be observed. There are 3 techniques for clearing an overpass. Mission analysis will dictate which to use.

- (1) Deliberate High Clear (Figure III-16):
- Clearing vehicles, designated during the mission preparation phase, accelerate to the overpass.
- Lead vehicle stops short of the overpass and elevates their weapons systems to cover the overpass.
- Second vehicle takes the off-ramp and moves up to observe the top of the overpass.
- Once the convoy passes the overpass, high security vehicle comes down the ramp while low vehicle continues to cover.
- Low vehicle moves behind high vehicle and rejoins the convoy.

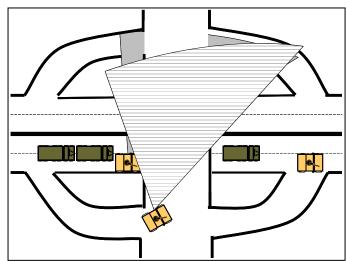


Figure III-16 Danger Area: Deliberate High Clear

13 14 15

1 2

3

4

5

6

7

8

10

11 12

(2) Deliberate Low Clear (Figure III-17):

- Clearing vehicles, designated during the mission preparation phase, accelerate to the overpass.
- Lead vehicle stops short of the overpass (near-side) and elevates weapon systems to cover the overpass.
- Second vehicle passes under the overpass, takes up a position (far-side) and elevates their weapon systems to cover the overpass from the opposite side.
- Once the convoy passes the overpass, the near-side security vehicle moves out while the far-side vehicle continues to cover.
- The far-side security vehicle then moves out behind the nearside vehicle and they assume the prior positions in the convoy.

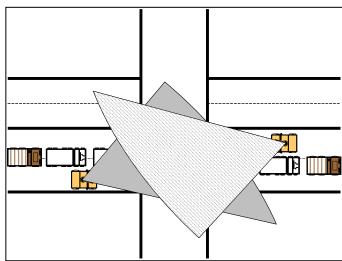


Figure III-17 Danger Area: Deliberate Low Clear

13 14 15

8

10

11 12

(3) Hasty Clearing (Figure III-18)

FOUO FINAL COORDINATION DRAFT

III-16

Technique used when the situation does not permit a deliberate clearing such as in an urban area.
Lead vehicle elevates weapon system and observes the top of the overpass.
Each vehicle in the convoy has one crew member elevate a weapon and observe the top of the overpass.
As each vehicle passes under the overpass, they face to the

NOTE: If required to engage, personnel and leaders need to be careful not to fire into the convoy line.

rear and continue to cover the overpass from the far side.

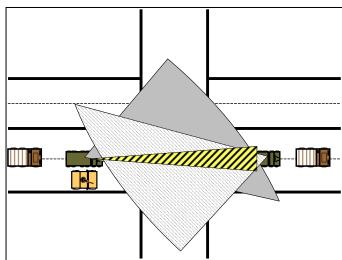


Figure III-18 Danger Areas: Hasty Clearing

Battle Drills

5

6 7

8

9

10

a. Individual Drills.

	FINAL COORDINATION DRAFT
1	(1) Downed driver.
2	(a) VC gains control of steering wheel.
3	(b) If possible – third person pulls driver out of driver's compartment and VC
4	moves into driver's seat.
5	(2) Bailout. Used when vehicle is inoperative or when occupants are required
6	to use the vehicle as cover.
7	(a) Crew on the cold side dismounts, assumes hasty position to the rear of
8	the vehicle and returns fire.
9	(b) Hot side returns fire until clear to dismount on the cold side and moves to
10	the front of the vehicle.
11	(c) Assume firing positions using the vehicle as cover.
12	(d) 360 degree security - Do not fix on the enemy.
13	b. Collective Drills.
14	(1) Hasty Vehicle Recovery.
15	(a) Use a strap, cable or chain. Preposition the straps, cable, or chain ahead
16	of time.
17	(b)After fire superiority is obtained, recovery vehicle moves forward.
18	(c) Driver stays in vehicle while VC ties onto disabled vehicle.
19	(d) VC gets into disabled vehicle to steer/work brakes.
20	(e) Recovery vehicle moves out pulling disabled vehicle behind it.
21	(f) Move to a rally point and reconfigure to a more stable means of towing.
22	(g) If unable to get in front of vehicle push-through is an option.
23	(h)Pre-mounting a used tire on the front of the vehicle assists with push-
24	through.
25	(2)In-stride Hasty Recovery (Figure III-19):
26	(a) For small to medium vehicles and not a heavy or tractor trailer
27	configuration.
28	(b) Minimum of two 10,000 lb (HMMWV/NTV) or 25,000 lbs straps (LMTV, 5-
29	ton, 7-ton, or HEMTT) with a connecting device (clevis or 10,000 lb carabiner).
30	(c) Straps are mounted on the left front and right rear of the vehicles.
31	(d)Straps are s-rolled and held in place by a break-away method (retainer
32	bands, Velcro, 1/4" 80lb test cotton webbing or100 mile-per-hour tape).
33	(e) Front strap runs into the driver's compartment.
34	(f) Rear strap runs into VC compartment.
35	(g) If vehicle is disabled the driver and VC extend the strap from both the
36	disabled and recovery vehicle.

- (h) Recovery vehicle moves alongside disabled vehicle.
- (i) VC and driver attach connecting device and release straps.
- (j) Recovery vehicle continues to move forward slowly taking up the slack and pulling the vehicle out.

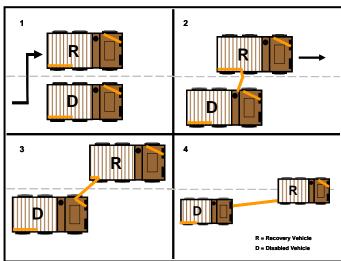


Figure III-19 In stride Hasty Vehicle Recovery

(3) Dismount and Remount Procedures. These procedures can be used to dismount when not in contact but in proximity of persons who may pose a

- (a) Dismount/Mount.
 - (1) Dismount call is made by the VC.
 - Do not get in between any vehicles but protect space between
- 13 vehicles.

5

6 7

8

9 10

11

12

14

2 3 4

Rear security is the only one behind a vehicle, but should stay (3) 15 off to the side.

		FINAL COORDINATION DRAFT
1	(4)	Use your weapon to motion civilians back.
2	(5)	As a last resort, a muzzle or palm strike may be required.
3	(6)	If fired upon, move to a hard point, suppress with fire, or
4	mount and extract ((situation dependent).
5	(7)	Vehicles moving forward can signal the mounting call.
6	(b)Dismount	: Short Halt (Figure III-20):
7	(1)	Used for slow traffic, market places, or for quick rests.
8	(2)	Protect rear of convoy with vehicles and 360 degree security.
9	(3)	Act as a buffer between third party personnel and vehicles.
10	(4)	Maintain situational awareness. Continually scan sectors and
11	act as a deterrent.	Use "5/25" Meter Scan technique.
12	(5)	Have more than one egress route at all times.
13	(6)	Be prepared to use the vehicle as a lethal weapon if necessary.
14	(7)	CSWs remain manned and have interlocking sectors of fire.
15	(8)	Drivers remain in vehicles and ready to drive.
16	(9)	Walk along vehicles. If dismounts are running, then either slow
17	down or remount.	
18	(10)	Ensure no third party personnel/vehicles get between or near
19	vehicles.	
20	(11)	Remount call given by CC through VCs. Collapse perimeter
21	back into vehicles.	

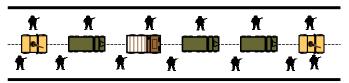


Figure III-20 Dismount: Short Halt

23 24 25

22

26 27 28 cargo, etc. (2) Seek out and use hard cover. (Vehicle hard points, buildings,

29 etc.).

FOUO FINAL COORDINATION DRAFT

III-20

(3) Clear blind spots and cover adjacent alleys and streets. 2 3 4 5 6 7 (4) Man crew served weapons. (5) Drivers only dismount at a long halt when absolutely necessary. (6) Push security out to establish a secure perimeter and maintain mutual support. (7) Protect the vehicles from third party personnel/vehicle approach. (8) Remount call given by CC through VCs. Collapse perimeter back into vehicles.

8

10

11

12

13

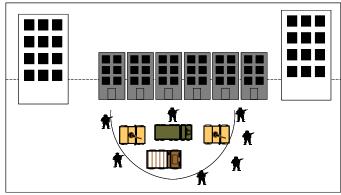


Figure III-21 Dismount: Long Halt

(4) React to Contact. Figure III-22 depicts the decision matrix a CC must address when faced with enemy contact and the subsequent battle drills that flow from those decisions.

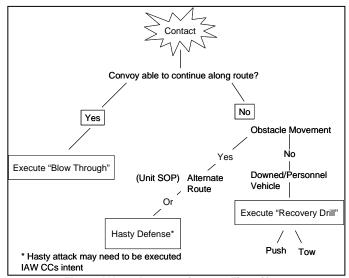


Figure III-22 React to Contact Flow Chart

1

5

- (a) React to Contact Drill Blow Through (Figures III-23 and III-24).
 - (1) Speed up.
 - (2) Signal visual signal to indicate general direction of enemy.
 - Return fire proportional and accurate fires within the ROE. (3)
 - (4) Send a report.

 - (5) Move to a rally point.(6) Establish 360 degree security.
 - (7) Send ACE report (Appendix B).
 - Continue the mission.

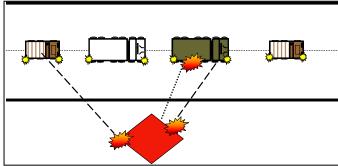


Figure III-23 Battle Drill: Blow Through (Unescorted)

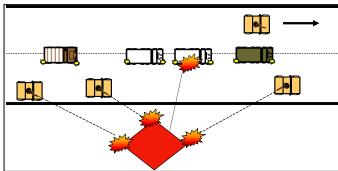


Figure III-24 Battle Drill: Blow Through (Escorted)

1

2 3

- (b)Recovery Drill: No Obstacle (Figures III-25 and III-26)
 (1) Convoy is forced to stop; no obstacle to movement.
 (2) Convoy stops.

 - (3) Dismount.
 - (4) 360 degree security Maintain sector of scan/fire Do not fix

on the enemy. (5) Achieve fire superiority – maneuver gun trucks (escorts if available) to support by fire positions. (6) Report to higher – request assistance if needed. 5 Recover casualties from cold side of vehicle. (7) (8) Recovery vehicle – execute hasty recovery with strap, chain or 6 cable, or have a rear vehicle push disabled vehicle out of kill zone. 8 (9) Continue movement – gun trucks/escort vehicles cover movement out of area. 10 (10) Move to rally point. (11) Establish 360 degree security. 11 12 (12) Send ACE report. 13 (13) Continue the mission.

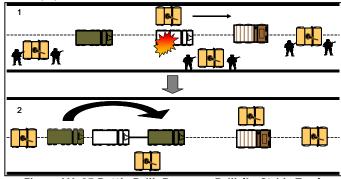


Figure III-25 Battle Drill: Recovery Drill (In Stride Tow)

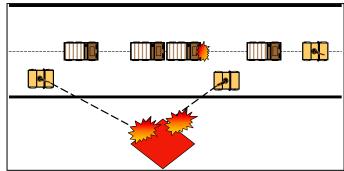


Figure III-26 Battle Drill: Recovery Drill (Push Through)

(c) Recovery Drill: Obstacle (Figures III-27, III-28, and III-29)

(1) Crowd or other impediment prevents movement and convoy is forced to stop.

(2) (3) Convoy stops.

Dismount.

(4) 360 degree security -- Maintain sector of scan/fire - Do not fix on the enemy.

(5) Achieve fire superiority – maneuver gun trucks/escorts to support by fire positions.

(6) Recover casualties from cold side of vehicle.

(7) CC assesses situation and--Establishes a hasty defense (Figure 14 III-27) and awaits QRF, or assaults through ambush using fire and maneuver

(Figure III-28)

2 3 4

5

6 7

8

9

10

11

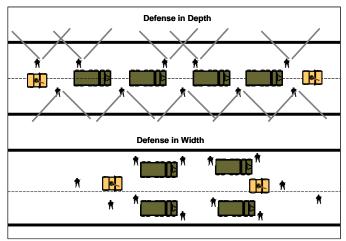


Figure III-27 Battle Drill: Hasty Defense

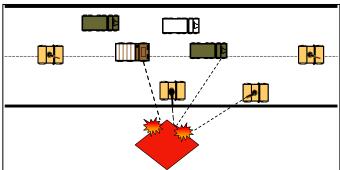


Figure III-28 Battle Drill: Hasty Attack (Suppress)

FOUO FINAL COORDINATION DRAFT

III-26

1

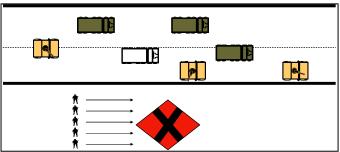


Figure III-29 Battle Drill: Hasty Attack (Assault)

detonation. CC should brief convoy personnel on the latest IED threat; what types of IEDs are being used; and where they have previously been emplaced along the route. b. The bottom line is to protect the convoy. All personnel must maintain situational awareness and look for actual IEDs or likely IED hiding places. Varying routes and times, switching lanes at random, entering overpasses on one side and exiting on the other, training weapons on overpasses as the convo passes under them, and avoiding chokepoints will reduce the risk from these devices. c. When to expect an IED attack: (1) Anytime – IEDs present reduced exposure time for the enemy compared to a traditional ambush. (2) Morning is especially dangerous- many IEDs are emplaced under cover of darkness. (3) Periods of reduced visibility. d. Suspicion categories: The following categories enable leaders to better prioritize responses and minimize wasting time or resources: (1) Level 1: Large amounts of debris on road that has a history of recent IED attacks. (2) Level 2: Evidence of on-going emplacement: prepared holes (no device visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. (3) Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4) Level 4: Clear indicators of imminent IED activity: protruding wires, an	1	Chapter IV
Introduction a. IEDs are one of the greatest threats to convoys, and often initiate an ambust Convoy personnel should always expect an ambush immediately following an IEI detonation. CC should brief convoy personnel on the latest IED threat; what types of IEDs are being used; and where they have previously been emplaced along the route. b. The bottom line is to protect the convoy. All personnel must maintain situational awareness and look for actual IEDs or likely IED hiding places. Varying routes and times, switching lanes at random, entering overpasses on one side and exiting on the other, training weapons on overpasses as the convo passes under them, and avoiding chokepoints will reduce the risk from these devices. c. When to expect an IED attack: (1)Anytime – IEDs present reduced exposure time for the enemy compared to a traditional ambush. (2)Morning is especially dangerous- many IEDs are emplaced under cover of darkness. (3)Periods of reduced visibility. d. Suspicion categories: The following categories enable leaders to better prioritize responses and minimize wasting time or resources: (1)Level 1: Large amounts of debris on road that has a history of recent IED attacks. (2)Level 2: Evidence of on-going emplacement: prepared holes (no device visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. (3)Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response.	2	Improvised Explosive Devices & Vehicle Borne IED
a. IEDs are one of the greatest threats to convoys, and often initiate an ambust Convoy personnel should always expect an ambush immediately following an IEI detonation. CC should brief convoy personnel on the latest IED threat; what types of IEDs are being used; and where they have previously been emplaced along the route. b. The bottom line is to protect the convoy. All personnel must maintain situational awareness and look for actual IEDs or likely IED hiding places. Varying routes and times, switching lanes at random, entering overpasses on one side and exiting on the other, training weapons on overpasses as the convo passes under them, and avoiding chokepoints will reduce the risk from these devices. c. When to expect an IED attack: (1)Anytime – IEDs present reduced exposure time for the enemy compared to a traditional ambush. (2)Morning is especially dangerous- many IEDs are emplaced under cover of darkness. (3)Periods of reduced visibility. d. Suspicion categories: The following categories enable leaders to better prioritize responses and minimize wasting time or resources: (1)Level 1: Large amounts of debris on road that has a history of recent IED attacks. (2)Level 2: Evidence of on-going emplacement: prepared holes (no device visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. (3)Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4)Level 4: Clear indicators of imminent IED activity: protruding wires, an	3	•
Convoy personnel should always expect an ambush immediately following an IEI detonation. CC should brief convoy personnel on the latest IED threat; what types of IEDs are being used; and where they have previously been emplaced along the route. b. The bottom line is to protect the convoy. All personnel must maintain situational awareness and look for actual IEDs or likely IED hiding places. Varying routes and times, switching lanes at random, entering overpasses on one side and exiting on the other, training weapons on overpasses as the convo passes under them, and avoiding chokepoints will reduce the risk from these devices. c. When to expect an IED attack: (1) Anytime – IEDs present reduced exposure time for the enemy compared to a traditional ambush. (2) Morning is especially dangerous- many IEDs are emplaced under cover of darkness. (3) Periods of reduced visibility. d. Suspicion categories: The following categories enable leaders to better prioritize responses and minimize wasting time or resources: (1) Level 1: Large amounts of debris on road that has a history of recent IED attacks. (2) Level 2: Evidence of on-going emplacement: prepared holes (no device visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. (3) Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4) Level 4: Clear indicators of imminent IED activity: protruding wires, an	4	Introduction
Convoy personnel should always expect an ambush immediately following an IEI detonation. CC should brief convoy personnel on the latest IED threat; what types of IEDs are being used; and where they have previously been emplaced along the route. b. The bottom line is to protect the convoy. All personnel must maintain situational awareness and look for actual IEDs or likely IED hiding places. Varying routes and times, switching lanes at random, entering overpasses on one side and exiting on the other, training weapons on overpasses as the convologasses under them, and avoiding chokepoints will reduce the risk from these devices. c. When to expect an IED attack: (1) Anytime – IEDs present reduced exposure time for the enemy compared to a traditional ambush. (2) Morning is especially dangerous- many IEDs are emplaced under cover of darkness. (3) Periods of reduced visibility. d. Suspicion categories: The following categories enable leaders to better prioritize responses and minimize wasting time or resources: (1) Level 1: Large amounts of debris on road that has a history of recent IED attacks. (2) Level 2: Evidence of on-going emplacement: prepared holes (no device visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. (3) Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4) Level 4: Clear indicators of imminent IED activity: protruding wires, an	5	a. IEDs are one of the greatest threats to convoys, and often initiate an ambush
types of IEDs are being used; and where they have previously been emplaced along the route. b. The bottom line is to protect the convoy. All personnel must maintain situational awareness and look for actual IEDs or likely IED hiding places. Varying routes and times, switching lanes at random, entering overpasses on one side and exiting on the other, training weapons on overpasses as the convolute passes under them, and avoiding chokepoints will reduce the risk from these devices. c. When to expect an IED attack: (1)Anytime – IEDs present reduced exposure time for the enemy compared to a traditional ambush. (2)Morning is especially dangerous- many IEDs are emplaced under cover of darkness. (3)Periods of reduced visibility. d. Suspicion categories: The following categories enable leaders to better prioritize responses and minimize wasting time or resources: (1)Level 1: Large amounts of debris on road that has a history of recent IED attacks. (2)Level 2: Evidence of on-going emplacement: prepared holes (no device visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. (3)Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4)Level 4: Clear indicators of imminent IED activity: protruding wires, an		Convoy personnel should always expect an ambush immediately following an IEI
b. The bottom line is to protect the convoy. All personnel must maintain situational awareness and look for actual IEDs or likely IED hiding places. Varying routes and times, switching lanes at random, entering overpasses on one side and exiting on the other, training weapons on overpasses as the convologasses under them, and avoiding chokepoints will reduce the risk from these devices. c. When to expect an IED attack: (1)Anytime – IEDs present reduced exposure time for the enemy compared to a traditional ambush. (2)Morning is especially dangerous- many IEDs are emplaced under cover of darkness. (3)Periods of reduced visibility. d. Suspicion categories: The following categories enable leaders to better prioritize responses and minimize wasting time or resources: (1)Level 1: Large amounts of debris on road that has a history of recent IED attacks. (2)Level 2: Evidence of on-going emplacement: prepared holes (no device visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. (3)Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4)Level 4: Clear indicators of imminent IED activity: protruding wires, an	8	
situational awareness and look for actual IEDs or likely IED hiding places. Varying routes and times, switching lanes at random, entering overpasses on one side and exiting on the other, training weapons on overpasses as the convo passes under them, and avoiding chokepoints will reduce the risk from these devices. c. When to expect an IED attack: (1)Anytime – IEDs present reduced exposure time for the enemy compared to a traditional ambush. (2)Morning is especially dangerous- many IEDs are emplaced under cover of darkness. (3)Periods of reduced visibility. d. Suspicion categories: The following categories enable leaders to better prioritize responses and minimize wasting time or resources: (1)Level 1: Large amounts of debris on road that has a history of recent IED attacks. (2)Level 2: Evidence of on-going emplacement: prepared holes (no device visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. (3)Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4)Level 4: Clear indicators of imminent IED activity: protruding wires, an		
Varying routes and times, switching lanes at random, entering overpasses on one side and exiting on the other, training weapons on overpasses as the convo passes under them, and avoiding chokepoints will reduce the risk from these devices. C. When to expect an IED attack: (1) Anytime – IEDs present reduced exposure time for the enemy compared to a traditional ambush. (2) Morning is especially dangerous- many IEDs are emplaced under cover of darkness. (3) Periods of reduced visibility. d. Suspicion categories: The following categories enable leaders to better prioritize responses and minimize wasting time or resources: (1) Level 1: Large amounts of debris on road that has a history of recent IED attacks. (2) Level 2: Evidence of on-going emplacement: prepared holes (no device visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. (3) Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4) Level 4: Clear indicators of imminent IED activity: protruding wires, an	10	b. The bottom line is to protect the convoy. All personnel must maintain
one side and exiting on the other, training weapons on overpasses as the convortable passes under them, and avoiding chokepoints will reduce the risk from these devices. C. When to expect an IED attack: (1) Anytime – IEDs present reduced exposure time for the enemy compared to a traditional ambush. (2) Morning is especially dangerous- many IEDs are emplaced under cover of darkness. (3) Periods of reduced visibility. d. Suspicion categories: The following categories enable leaders to better prioritize responses and minimize wasting time or resources: (1) Level 1: Large amounts of debris on road that has a history of recent IED attacks. (2) Level 2: Evidence of on-going emplacement: prepared holes (no device visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. (3) Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4) Level 4: Clear indicators of imminent IED activity: protruding wires, an	11	situational awareness and look for actual IEDs or likely IED hiding places.
passes under them, and avoiding chokepoints will reduce the risk from these devices. c. When to expect an IED attack:	12	Varying routes and times, switching lanes at random, entering overpasses on
devices. c. When to expect an IED attack: (1) Anytime – IEDs present reduced exposure time for the enemy compared to a traditional ambush. (2) Morning is especially dangerous- many IEDs are emplaced under cover of darkness. (3) Periods of reduced visibility. d. Suspicion categories: The following categories enable leaders to better prioritize responses and minimize wasting time or resources: (1) Level 1: Large amounts of debris on road that has a history of recent IED attacks. (2) Level 2: Evidence of on-going emplacement: prepared holes (no device visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. (3) Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4) Level 4: Clear indicators of imminent IED activity: protruding wires, an	13	one side and exiting on the other, training weapons on overpasses as the convo
c. When to expect an IED attack: (1) Anytime – IEDs present reduced exposure time for the enemy compared to a traditional ambush. (2) Morning is especially dangerous- many IEDs are emplaced under cover of darkness. (3) Periods of reduced visibility. d. Suspicion categories: The following categories enable leaders to better prioritize responses and minimize wasting time or resources: (1) Level 1: Large amounts of debris on road that has a history of recent IED attacks. (2) Level 2: Evidence of on-going emplacement: prepared holes (no device visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. (3) Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4) Level 4: Clear indicators of imminent IED activity: protruding wires, an		passes under them, and avoiding chokepoints will reduce the risk from these
17 (1)Anytime – IEDs present reduced exposure time for the enemy compared to a traditional ambush. 18 (2)Morning is especially dangerous- many IEDs are emplaced under cover of darkness. 29 (3)Periods of reduced visibility. 20 d. Suspicion categories: The following categories enable leaders to better prioritize responses and minimize wasting time or resources: 21 (1)Level 1: Large amounts of debris on road that has a history of recent IED attacks. 22 (2)Level 2: Evidence of on-going emplacement: prepared holes (no device visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. 23 (3)Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. 24 (4)Level 4: Clear indicators of imminent IED activity: protruding wires, an		
a traditional ambush. (2)Morning is especially dangerous- many IEDs are emplaced under cover of darkness. (3)Periods of reduced visibility. d. Suspicion categories: The following categories enable leaders to better prioritize responses and minimize wasting time or resources: (1)Level 1: Large amounts of debris on road that has a history of recent IED attacks. (2)Level 2: Evidence of on-going emplacement: prepared holes (no device visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. (3)Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4)Level 4: Clear indicators of imminent IED activity: protruding wires, an		·
(2)Morning is especially dangerous- many IEDs are emplaced under cover of darkness. (3)Periods of reduced visibility. d. Suspicion categories: The following categories enable leaders to better prioritize responses and minimize wasting time or resources: (1)Level 1: Large amounts of debris on road that has a history of recent IED attacks. (2)Level 2: Evidence of on-going emplacement: prepared holes (no device visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. (3)Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4)Level 4: Clear indicators of imminent IED activity: protruding wires, an		
darkness. (3) Periods of reduced visibility. d. Suspicion categories: The following categories enable leaders to better prioritize responses and minimize wasting time or resources: (1) Level 1: Large amounts of debris on road that has a history of recent IED attacks. (2) Level 2: Evidence of on-going emplacement: prepared holes (no device visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. (3) Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4) Level 4: Clear indicators of imminent IED activity: protruding wires, an		
 (3) Periods of reduced visibility. d. Suspicion categories: The following categories enable leaders to better prioritize responses and minimize wasting time or resources: (1) Level 1: Large amounts of debris on road that has a history of recent IED attacks. (2) Level 2: Evidence of on-going emplacement: prepared holes (no device visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. (3) Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4) Level 4: Clear indicators of imminent IED activity: protruding wires, an 		
d. Suspicion categories: The following categories enable leaders to better prioritize responses and minimize wasting time or resources: (1) Level 1: Large amounts of debris on road that has a history of recent IED attacks. (2) Level 2: Evidence of on-going emplacement: prepared holes (no device visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. (3) Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4) Level 4: Clear indicators of imminent IED activity: protruding wires, an		
prioritize responses and minimize wasting time or resources: (1) Level 1: Large amounts of debris on road that has a history of recent IED attacks. (2) Level 2: Evidence of on-going emplacement: prepared holes (no device visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. (3) Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4) Level 4: Clear indicators of imminent IED activity: protruding wires, an		
(1)Level 1: Large amounts of debris on road that has a history of recent IED attacks. (2)Level 2: Evidence of on-going emplacement: prepared holes (no device visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. (3)Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4)Level 4: Clear indicators of imminent IED activity: protruding wires, an		
attacks. (2) Level 2: Evidence of on-going emplacement: prepared holes (no device visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. (3) Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4) Level 4: Clear indicators of imminent IED activity: protruding wires, an		
 (2) Level 2: Evidence of on-going emplacement: prepared holes (no device visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. (3) Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4) Level 4: Clear indicators of imminent IED activity: protruding wires, an 		
visible), removed curbstone, suspicious activity or total lack of activity when there would be otherwise. Report immediately. (3) Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4) Level 4: Clear indicators of imminent IED activity: protruding wires, an		
there would be otherwise. Report immediately. (3) Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4) Level 4: Clear indicators of imminent IED activity: protruding wires, an		• • • • • • • • • • • • • • • • • • • •
 (3) Level 3: Suspicious object, activity, or condition on road. Rucksacks, mail bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4) Level 4: Clear indicators of imminent IED activity: protruding wires, an 		
 bags, dead animals, MRE packs, roadside mounds, rock piles, etc. could conceal IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4) Level 4: Clear indicators of imminent IED activity: protruding wires, an 		, , ,
 IED. There are no obvious IED indicators (wires, det cord, antennas). Report immediately. Requires EOD response. (4) Level 4: Clear indicators of imminent IED activity: protruding wires, an 		
 immediately. Requires EOD response. (4)Level 4: Clear indicators of imminent IED activity: protruding wires, an 		
33 (4)Level 4: Clear indicators of imminent IED activity: protruding wires, an		
()		
34 individual with a command detonating device, etc. Verifiable and easily	34	individual with a command detonating device, etc. Verifiable and easily
35 identified. Report immediately. Requires direct action or EOD response.		5 .

Identifying IEDs



Figure IV-1 Typical Improvised Explosive Device Configurations

3 6

- a. May be constructed using mortar shells, artillery projectiles, anti-tank mines, diesel fuel, rockets, black powder, fertilizer, chemical explosives, etc.
- Construction is only limited by the enemy's imagination. 7 8
 - b. IEDs can be hidden in potholes, abandoned vehicles, in dead animal carcasses and secured to telephone poles and guardrails.
 - c. May be disguised as loose trash/debris, trash bags, soda cans, milk cans,
- buckets, burlap bags, MRE bags, etc (Figure IV-2). 11 d. Can be command detonated, victim actuated, or timed. Car alarms, battery-12
- powered remote doorbell devices, remote controlled light switches, and cordless 13 14 and cellular telephones are common means of detonation. 15
 - e. Insulated wire or det cord--used to connect the detonator to the explosive.

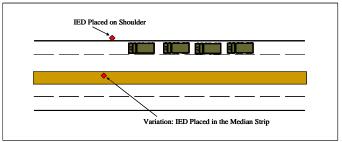


Figure IV-2 Basic IED Attack

- f. IEDs can be dropped from or attached to the underside of overpasses. Drivers should watch for suspicious activity on overpasses and never stop under
- g. Enemy hide positions will usually have line of sight to the kill zone and an 6 7 easy escape route. 8
 - h. IEDs can be daisy chained in a decoy attack. A daisy chain is two or more explosive devices wired together so that a single signal will detonate all the munitions at once. (Figure IV-3)

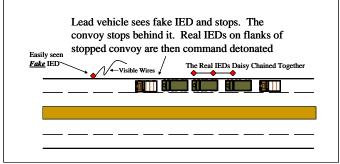


Figure IV-3 Decoy IED Attack

i. VBIEDs, as illustrated in Figures IV-4 and IV-5, can be initiated by either the driver, an occupant, or remotely. SUVs, pickup trucks, and delivery trucks can carry a large payload. Watch for abandoned vehicles, vehicles parked where they don't belong and vehicles with loose wires hanging off of them.

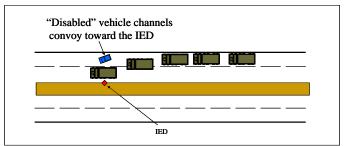


Figure IV-4 Disabled Vehicle IED Attack

FOUO FINAL COORDINATION DRAFT

7

8



Figure IV-5 VBIED Example

5

6

7

8

9

10

11

13

16 17

18

19

20

21 22

24

25

Suspicious Activities and Objects

- a. Abandoned or disabled vehicles parked on or near the roadway.
- b. Animal-drawn carts or wagons moving near or on the roadway.
- c. Signs of tampering, exposed wires, or objects taped or otherwise attached to the backsides of guardrails.
- d. Fresh concrete work on or around the road surface.
- e. Suspicious packages, containers, or any other foreign objects on or near the roadway.
- f. Markings warning the local population of IEDs (e.g. a blue "X" painted on a rock). Obtain latest techniques from Intel/S2 during pre-convoy brief.
 - g. Third party vehicles attempting to pass or enter convoy formation.
- h. Third party personnel, including children, approaching convoy vehicles (may
 be wearing explosive vests).
 - i. Possible indicators of an IED or impending ambush:
 - (1) Absence of women and children where normally present.
 - (2) Dramatic changes in population from one block to the next.
 - (3) No activity where there are normally large crowds.
 - (4) Sudden activity within crowds as convoy approaches (small IEDs can be thrown).
 - (5) Third party personnel dispersing or disappearing as convoy approaches.
- 23 (6) Sudden reduction or absence of civilian traffic.
 - (7) Signals with flares/city lights (turned off/on) as convoy approaches.
 - (8) Suspicious movement in upper floor windows of buildings.

ı	(9)Presence of venicles or personnel on overpasses.
2	(10) Third party personnel with video cameras or presence of a media crew.
3	(11) Vehicle following convoy for long distances and then pulling off to the side
4	(12) Freshly dug holes along the roadway (possible future IED sitereport it).
5	(13) Obstacles in roadway in order to channel the convoy.
6	(14) Personnel inside traffic circles.
7	
8	Driving Considerations:
9	a. Be unpredictable: vary SP times and convoy routes.
10	b. Attach signs to convoy vehicles in common languages of the indigenous
11	population warning civilians to stay clear of military vehicles.
12	c. Configure vehicle to eliminate blind spots (i.e., move mirrors, fording kits, and
13	avoid obscuring vision during vehicle hardening).
14	d. Use available optics to facilitate scanning (binoculars, tube launched optically
15	tracked wire guided missile sight optics, other weapons sights, handheld forward
16	looking infrared devices, etc.).
17	e. If available, use two designated "spotter personnel" to scan (using optics) in
18	the forward convoy element.
19	f. Use available electronic counter measure systems.
20	g. Wear helmets, ballistic vests (with collars attached), seat belts, and ballistic
21	eye protection.
22	h. Maintain the minimum designated convoy speed when possible.
23	i. If conditions permit, periodically change your rate of speed and vary convoy
24	formations to avoid predictability.
25	j. Maintain vehicle interval; avoid accordion effect.
26	k. Watch for visible ordinance on the road. Convoys may be channeled into the
27	kill zone after the lead vehicle discovers a suspected IED in the open.
28	 Follow the tracks of preceding vehicles on unpaved roads.
29	m. Stay on the pavement. Avoid driving on the shoulder of the road.
30	n. Travel in the lane best suited to allow rapid travel. IEDs are statistically
31	ineffective on convoys moving faster than 40 miles per hour with at least a 50-
32	meter interval.
33	o. If conditions permit, travel down the middle of the road, changing lanes
34	often, to stay as far away as possible from IEDs on the median and breakdown
35	lane.
36	p. If convoy must stop, watch the flanks for IEDs, dismount and establish 360
	FOUO FINAL COORDINATION DRAFT
	FINAL COORDINATION DRAFT

	THAT GOOD HATTON BRAIT
1	degree security.
2	q. Use "rolling stop" when halting; slow vehicle and scan using 5/25 scan
3 4	pattern for IEDs before coming to a complete stop. r. Exercise caution at choke points; watch for vehicle breakdowns, bridges,
5	one-way roads, traffic jams, and sharp turns.
6	s. Once dismounted, initially conduct 5/25 scan for IEDs.
7	5. Office distributition, illitially conduct 5/25 scall for TEDs.
-	IED Battle DrillsActions on IED contact
8 9	a. To increase odds of survivability, rehearse actions for IED contact based upon
-	
10 11	unit SOP and METT-TC. Convoy commanders must rapidly assess type of attack – IED, IED initiated ambush, VBIED, etc.
12	b. The "Five Cs":
13	(1) CONFIRM the suspected IED sighting and report the finding to higher
14	headquarters using IED/UXO format. (Do not approach or tamper with it).
15	(2) CLEAR the area surrounding the IED (minimum 300 meters unless
16	otherwise specified by unit SOP). The convoy assumes a box formation on each
17	side of the IED. Vary distance from IED to remain unpredictable.
18	(3) CORDON off and secure the area. Post guards to prevent risk to military
19	personnel and vehicles.
20	(4) CONTROL entry and exit to area around the IED. Establish an entry point.
21	If mission permits, do not let third party personnel or military traffic transit the
22	area. Do not allow anyone to enter the area unless authorized to do so (i.e.,
23	EOD personnel).
24	(5) CHECK for secondary devices. Always assume there is at least one
25	secondary device. Scan the side of the road out to 25 meters from the shoulder
26	of the road. Use gun trucks or dismounted personnel for this mission.
27	c. Upon detecting a suspected IED:
28	(1) Determine the IED location (grid coordinates) and report the situation to
29	higher headquarters and follow-on convoy elements.
30	(2) Mark IED location according to unit SOP.
31	(3) Do not approach a suspected IED.
32	(4) Possible courses of action depending on METT-TC and unit SOP:
33 34	(a) "Blow by it," move as far as possible to the opposite side of the road while staying on the pavement, accelerate, and keep moving.
35	(1) Mark IED site as you pass.
36	(2) CC forwards IED report as convoy passes.
00	FOUO
	FINAL COORDINATION DRAFT
	IV-7

- 1 (3) Stay alert to decoy IEDs used to channel traffic into ambush or 2 daisy chained IED.
 - (b) "Stop and secure" the site--remain alert for a possible ambush (360 degree security). Block all traffic in vicinity of the IED until cleared by EOD or relieved by MPs.
 - (1) Vehicles that cannot stop before reaching the IED site should continue a safe distance beyond the site. Vehicles that have not yet reached the IED site stop a safe distance before the site.
- 9 (2) If convoy must continue, hand off to nearest friendly unit to 10 block traffic.
- 11 (3) Time/distance permitting; maintain a standoff distance of at 12 least 300 meters unless otherwise specified by unit SOP. Vary standoff distance to 13 avoid a decoy IED attack. Radio or cell phone transmissions within 300 meters may 14 cause detonation.
- 15 (4) Look for potential secondary devices in what may seem like the 16 best possible location to occupy or along an alternate route.
 - (5) Submit IED/UXO report. (See Appendix B).
- d. Static Vehicle-Born Improvised Explosive Device (VBIED), follow procedures
 listed above.
 - e. Suspected mobile VBIED actions:
 - (1) Avoid vehicle if possible.
 - (2) Gain distance from vehicle.
 - (3) Ascertain intent. Is vehicle attacking convoy or moving to predetermined target location? If convoy is under attack, place heavy volume of fire upon the vehicle.
 - (4)Attempt to warn off a suspicious vehicle using show of force by bringing individual weapons and CSW to the ready. Use flash-bang pyrotechnics to warn further. If the driver's intent to attack becomes clear, concentrate fire on the vehicle.
 - (5) Note current position and report to higher. Use SALUTE report (See Appendix B). Specify direction of travel, make/model of car, description of driver/passengers, and VBIED indicator(s).
 - f. React to IED Detonation:
 - (1) Drive through kill zone if all vehicles are still operable.
- (2) Determine if the IED initiated an ambush. If convoy is ambushed, follow
 procedures in Chapter III.

FOUO FINAL COORDINATION DRAFT

3 4

5 6

8

17

20

21

22

23

24

25

26 27

28

29

30

31 32

33

34

	FINAL COORDINATION DRAFT
1	(3) If any vehicle is disabled, stop entire convoy—consistent with unit SOP.
2	(4) Dismount vehicles and establish 360 degree security; look for additional
3	devices.
4	(5) Coordinate Casualty Evacuation (CASEVAC or MEDEVAC) if required.
5	(6) Determine extent of damage and initiate vehicle recovery operations per
5	SOP.
7	(7)Mark position; report to higher.
3	(8) Proceed to the next rally point.

1	Appendix A
2	Convoy Forms And Checklists
3	The following forms and Checklists are included in this
4	Appendix:
5	a. Sample Warning Order
6	b. Sample Convoy Manifest
7	c. Time Schedule
8	d. Individual Checklists
9	e. Vehicle Operator Checklist
10	f. Landing Zone Kit
11	g. Combat Life Saver Kit Packing List
12	h. Leader Checklist
13	i. Convoy Strip Map Standards.
14	j. Post Convoy Operations Checklist.
15	Sample Warning Order
16	1. SITUATION: (A brief statement of the enemy and friendly situation in the
17	area of operations. Include all friendly units which could offer support along the
18	route.)
19	
20	
21	
22	
23	2. MISSION: (The mission is a clear, concise statement of the mission to be
24	achieved. Mission statement includes Who, What (the task), When (start point
25	time), Where (route and destination), and Why (purpose))
26	
27	
28	0. TACK ODCANIZATION (0
29	3. TASK ORGANIZATION: (Convoy manifest)
30	
31	
32	FOUO A-1
	FINAL COORDINATION DRAFT

When	What	Where	Who
WIIGH	vviiat	VVIICIG	VVIIO
		/PCI guidance, rehearsa	als, additional tasks
accomplished)		
6. Service a	nd Support: (Bas	ed on SOPs from comb	at and individual lo
	nd Support: (Bastions/Water)	ed on SOPs from comb	at and individual lo
		ed on SOPs from comb	at and individual lo
		ed on SOPs from comb	at and individual lo
		ed on SOPs from comb	at and individual lo
		ed on SOPs from comb	at and individual lo
	tions/Water)	ed on SOPs from comb	at and individual lo
Class I: (Ra	tions/Water)	ed on SOPs from comb	at and individual lo
Class I: (Ra	tions/Water)	ed on SOPs from comb	at and individual lo
Class I: (Ra	tions/Water)	ed on SOPs from comb	at and individual lo
Class I: (Ra	tions/Water)	ed on SOPs from comb	at and individual lo
Class I: (Ra	tions/Water)		at and individual lo
Class III: (F	POL)		
Class III: (F	POL)	chnics)	at and individual lo
Class III: (F	POL)	chnics)	
Class III: (F	POL)	chnics)	
Class III: (F	POL)	chnics)	

A-2

•	THAT GOOD DITENTION D	TOTAL T
Pyrotechnic Device	Number	Location
Class VIII: (Medical/CLS/S	upplies)	
Maintenance of vehicles and	equipment	
7. Uniform and Equipment	Common to All:	

] 2	Table A-1 Sample Convoy Manifest						
	CONVOY MANIFEST						
			(CONVOY NUMBER	IF ASSIGNED)		
UNIT: DATE: CONVOY CDR: PAGE of							
	March Order Callsign	BUMPER #	CONVOY PERSONNEL RANK / (Last Name, First Name)	TASKS	KEY EQUIP	COMMS	
		I	I			1	

3

2

Time Schedule

13

A realistic schedule that uses all of the time available from publishing of the WARNO to SP time is key to proper convoy planning and preparation. All preparatory tasks are listed with the responsible individual(s) assigned. It begins with Pre-Combat Checks (PCCs) and individual / vehicle rehearsals supervised by subordinate convoy leaders. The convoy brief is scheduled to be completed leaving a minimum 2/3 of the preparation time remaining to subordinates (1/3s – 2/3s Rule). Pre-Combat Inspections (PCIs) are scheduled to insure that all individuals, vehicles, weapons, and communications are inspected by the convoy chain of command. Logistic preparations are scheduled around these essential tasks.

Table A-2 Time Schedule

Time Schedule					
When	What	Where	Who		

FOUO FINAL COORDINATION DRAFT A-5

Individual Checklist: (Item	per SOP, as designated by unit Inspection	commander) Remarks
Weapon	Cleaned, Function Check, Lubricated, ejection port cover closed	
Magazines /	Cleaned, Serviceable,	
Ammunition	Tracer Mix Correct,	
Kevlar	Serviceable, NVG Ready	
Fragment Vest /	Cleaned, Serviceable,	
Body Armor	Plates Installed	
Notebook / Writing Device		
Eye Protection	Cleaned, Serviceable, Worn	
Device	per SOP	
LBE / LBV/FLC	Cleaned, Serviceable,	
	Configured per SOP, 2 canteens min water	
First Aid Pouch	Equipped with 2 First Aid Dressings	
Military / Required IDs	Worn / Stored per SOP	
Flashlight	Tested, extra bulb	
ID Tags (Dog Tags)	Worn per SOP	
Driver Licenses (Required)	Current, Stored per SOP	
NVGs w/ batteries	Cleaned, Operational,	
	Configured per SOP	
OVM / Vehicle	Serviceable, Checked,	
Keys	Stored per SOP	
Sleeping Bag / Roll	Serviceable, Stored per SOP	
	•	

	FOUO FINAL COORDINATION DRAFT	
sets of DCUs	Cleaned, Serviceable,	
complete	Stored per SOP	
Brown T-	Cleaned, Serviceable,	
shirts	Stored per SOP	
Under	Cleaned, Serviceable,	
Garments	Stored per SOP	
Socks (pair)	Cleaned, Serviceable, Stored per SOP	
Towel & Wash Cloth	Cleaned, Serviceable, Stored per SOP	
Personal Hygiene	Inventory, Stored per SOP	
Kit	inventory, stored per sor	
JLIST / NBC	Cleaned, Serviceable,	
Complete	Stored per SOP	
Wet Weather Gear	Cleaned, Serviceable,	
	Stored per SOP	
Weapon Cleaning Kit / Lube	Serviceable, Stored per SOP	
MREs	Stored per SOP	
Gortex Complete	Cleaned, Serviceable, Stored per SOP	
Polypro	Cleaned, Serviceable,	
Complete	Stored per SOP	
Work / Cold	Cleaned, Serviceable,	
Weather Gloves	Stored per SOP	
Combat Life Saver	Inventory, Stored per Unit	
Bag	SOP	
Binoculars	Cleaned, Serviceable	
Litter (Body Bags /	1 per 10 personnel, Cots	
Cots)	fully set-up & stored	

1 Vehicle / Operator Checklist

Item Inspection Remarks

FOUO FINAL COORDINATION DRAFT					
Item	Inspection	Remarks			
Preventative	Are there any issues?				
maintenance checks and services complete					
Vehicle Dispatch	Expiration Date				
Fuel/Fluids	Topped Off / Any unusually low?				
Additional POL products	Inventory, Stored per SOP				
BII (Basic Issue Items)	Inventory, Serviceable, Stored per SOP				
Fire Extinguisher	Correct Model / Size, Serviceable				
Tow Bar/chains/straps	Serviceable, Stored per SOP				
Pyrotechnics	Cleaned, Serviceable, Stored per SOP				
Road Guard Vest/Belt	Cleaned, Serviceable, Stored per SOP				
Vehicle Flashlight	Tested, extra bulb				
MEDEVAC Format	Updated, Stored per SOP				
Convoy Strip Map(s)	Current Mission, Stored per SOP				
Convoy Execution Matrix(s)	Current Mission, Stored per SOP				
Vehicle	Cleaned, Serviceable				
Window(s)/Mirror(s)/turn signals, lights					
Cargo Strap(s)/Load(s)	Serviceable, Secure, Stored per SOP				
Warning Triangles	Cleaned, Serviceable, Stored per SOP				
Litter(s)/Body Bag(s)	Cleaned, Serviceable,				

FOUO	
FINAL COORDINATION	DRAFT

FINAL COORDINATION DRAFT				
Item	Inspection	Remarks		
	Stored per SOP			
Hasty Recover System(s)	Cleaned, Serviceable, Stored per SOP			
Case intravenous Solution	Expiration Date?, Stored per SOP			
Ammunition	Cleaned, Serviceable, Stored per SOP, unit basic load			
Communication checks/ spare batteries for radios /smart cards/destruction plan	Cleaned, Check(s), Correct Frequency, emergency call signs / freqs / MEDEVAC nine- line posted			
MRE Cases	Serviceable, Stored per SOP			
Water Cases	Serviceable, Stored per SOP			
Crew served weapons and weapon mounts	Serviceable, mounted per SOP			
Spare tire/jack	Present and stored per SOP			
Vehicle clean	Windows / mirrors			
Vehicle load plans	All similar vehicles loaded according to load plans			

1 2

Landing Zone Kit (stored in each key leader and LZ team vehicle) Item Inspection Remarks

2 – Smoke grenades	Cleaned, Serviceable, Stored per SOP	Day Far Recognition Marker
1 – VS-17 Panel w/	Cleaned, Serviceable,	Day Near
stakes	Stored per SOP	Recognition

FOUO FINAL COORDINATION DRAFT

A-9

	FOUO FINAL COORDINATION DRAFT	
Item	Inspection	Remarks
		Marker
2 – Star Clusters	Cleaned, Serviceable,	Night Far
	Stored per SOP	Recognition
		Marker
Swinging Chem-	Cleaned, Serviceable,	Night Near
light Set-Up	Stored per SOP	Recognition
		Marker
Gloves	Cleaned, Serviceable,	Each team
	Stored per SOP	member
Goggles	Cleaned, Serviceable,	Each team
	Stored per SOP	member
Strobe light		
Kit bag / box		

1 Combat Life Saver Kit Packing List

Item	Quantity
2x2 GAUZE SURGICAL STERILE	4
SCISSORS BANDAGE	1
KURLEX GAUZE	
GLOVE EXAM LARGE	3
INTRAVENOUS INJ SET	2
CATHETER AND NEEDLE 18 GAUGE	1
SPLINT UNIVERSAL 36x4.5in	1
RINGERS INJ 500ml	2
PAD PROV-IOD IMPREGNATED	12
ALCOHOL PREP PAD	12
TOURNIQUET ADULT	1
ADHESIVE TAPE SURG 1in	1
BANDAGE 37x37x52in	4
DRESSING FIRST AID	6
AIRWAY 100mm (LG)	1
AIRWAY 80mm (SM)	1
BANDAGE GAUZE ELASTIC	4

A-10 FOUO FINAL COORDINATION DRAFT

3

		FINAL COORDINATION DRAFT	
1	Leader Checklist		
	Item	Inspection	Remarks
	Binoculars	Cleaned, Serviceable	
	GPS / MTS / FBCB2	Cleaned, Serviceable, Checked	
	Convoy Brief / OPORD /smart cards	Complete convoy brief to include intelligence and support plan, CASEVAC plan	
	Strip Map / Execution Matrix Leaderbook / Writing Device	Additional Copies	
	Mission Coordination Checklist	Updated, All Phases of Mission	
	Map (Area of Operation)	Current Graphics (Units / Intel)	
	Units / Freguencies	Updated, All Phases of Mission	
	Current Intelligence Brief	Updated – Focus First Phase of Mission	
	Risk Analysis	Reviewed / Approved by Higher	
	SOI / ANCD / CEOI	Current / Checked	
	Communication check	Internal / Higher HQ / Air Support	
	ROE	Does everyone have / understand current ROE card	
	Combat lifesavers	Aid bags complete, enough CLS certified personnel for	
		FOUO FINAL COORDINATION DRAFT	

A-11

FOUO FINAL COORDINATION DRAFT Inspection

Item	Inspection	Remarks
	convoy	
Weapons test fire	Ensure all weapons	
/ function check	serviceable	
Conduct	Thorough and complete	_
rehearsals	rehearsals of all battle drills	

1

FOUO FINAL COORDINATION DRAFT Convoy Strip Map Standards

1 2 3 a. A strip map is a valuable tool for all personnel in a convoy. It provides an 4 easily used navigational aid, route control and battle tracking information, 5 operational and logistical support points, major terrain features, key built up areas, highway infrastructure, known danger areas. Although a strip map may 7 be generated at a higher command level, units should improve these products 8 with information obtained locally to maximize their utility. This is particularly important for depicting current enemy intelligence along the route. It is a unit 10 level responsibility to reproduce these strip maps and insure that one is issued to 11 each vehicle in a convoy. 12 b. Essential Elements of a Strip Map: (1)Start Point. 13 14 (2) Release Point. (3) Halts. 15 16 (4) Critical points/checklist. 17 (5) Distance between CPs. 18 (6) Friendly Forces. 19 (7) Arrival and departure times at SP, CP, RP. (8) Convoy Routes, Route Data, include route numbers, major intersections, 20 21 and mileage between points. 22 (9) Major Cities and towns. 23 (10) North Orientation. 24 (11) Duress frequency (911 or "Sheriff" freq). 25 (12) Logistical support data, including the location of all logistical support 26 facilities. 27 (13) Known danger areas and type of threat

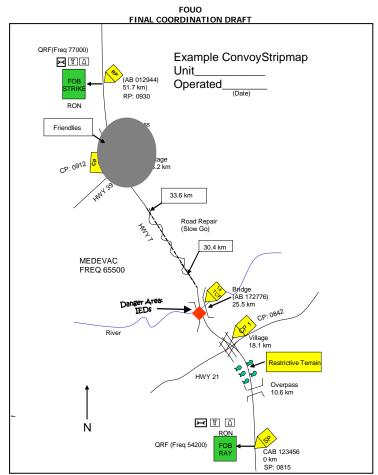


Figure A-1 Example Strip Map

1

FOUO FINAL COORDINATION DRAFT CONVOY Post-Operations Check

	FINAL COORDINATION DRAFT
1	Convoy Post-Operations Checklist
2	
3	a. Immediately upon convoy closure, report vehicle convoy operation completion
4	to the higher headquarters.
5	b. Conduct debrief with intelligence section
6	Note: Cover entire operation, enemy activity, any significant activities, route
7	conditions, things to sustain and improve).
8	c. Route actually traveled vs. route planned, also known as the "honesty trace."
9	d. Vehicles, Weapons, and Equipment: Refuel; clean, inventory, and perform
10	Preventative Maintenance Checks and Services (PMCS).
11	

1	Appendix B
2	Reports
3	Reports Included:
4	a. Accident Procedures and Reporting.
5	b. Unexploded Ordnance (UXO).
6	c. Spot Report.
7	d. Salute Report.
8	e. ACE Report.
9	f. MEDEVAC.
10	g. Call for Fire.
11	Accident Procedures and Reporting
12	a. Establish local security/traffic control.
13	 b. Assess damage to personnel, vehicles, and load.
14	c. Determine location (8-digit grid).
15	d. Report any information to higher headquarters.
16	e. Contact the nearest Base Camp, and provide:
17	(1) Status of personnel.
18	(2)MEDEVAC request (if needed).
19	(3) Status of vehicles.
20	(4)Location.
21	(5) Current situation.
22	(6) Recovery assistance (if needed), state type of equipment and type of
23	damage.
24	f. Complete accident form in duplicate/use cameras to record accident if
25	available.
26	g. Follow instructions from higher headquarters.
27	11 1 10 1 (11)(0)
28	Unexploded Ordnance (UXO)
29	When mines, explosives or other UXO are found, report them immediately to
30	the LTF TOC using the following format:
31	LINE 1. DATE/TIME group discovered.
32	LINE 2. Reporting Unit and grid location and area of operation of UXO.
	FOUO

FOUO FINAL COORDINATION DRAFT acting Over Watching Unit (Radio freg/Call

2	Sign/Telephone No.).
3	LINE 4. Type of munitions (dropped, projected, placed, or thrown).
3 4	LINE 5. NBC Contamination.
5	LINE 6. Resources Threatened.
6	LINE 7. Impact on Mission.
7	LINE 8. Protective Measures Taken.
8	LINE 9. Recommended Priority (immediate, indirect, minor, or no threat).
9	(Immediate: stops a unit's maneuver and mission capability or threatens
10	critical assets vital to the mission; indirect: stops the unit's maneuver and
11	mission capability or threatens critical assets important to the mission;
12	Minor: reduces the unit's maneuver and mission capability or threatens nor
13	mission critical assets of value; no threat: has little or no effect on the unit
14	capabilities or assets)
15	Marking UXO.
16	(1) If SAFE to do so, mark area using marking tape, engineer tape, candy
17	striped tape, mine signs or whatever means are available to keep personne
18	or local nationals out of the area.
19	(2) Protective Measures: Build a barricade far enough away from the UXO so
20	that it cannot fall on it.
21	Note: Do not enter an uncleared area to mark a mine or UXO. Place marking in
22	the closest cleared area (i.e., if mine or UXO is off the side of the road, place
23	marking on the edge of the road).
24	
25	Spot Report (for any information requiring a report)
26	
27	WHO (Unit or Personnel Involved in the Incidents).
28	WHAT (Detailed Description of the Incident).
29	WHERE (Grid and Location Where the Incident Took Place).
30	WHEN (Date and Time).
31	ACTIONS ALREADY TAKEN BY UNIT.
-	

1	SA	ALUTE Report (for enemy contact)	
2			
3	Size	What is the size of the element?	
4	Activity	What are they doing?	
5	Location	Grid coordinates of element?	
6	Unit / Uniform	What unit/element it isdescribe the element involved.	
7	Time	Date / Time Group of Observation.	
8	Equipment	What equipment do they possess?	
9 10	Note: Provide any of of the situation.	her information that may be beneficial for the development	
11			
12	ACE Report (u	sed for reorganization and consolidation after	
13		enemy contact)	
14		nuch ammunition remains by weapon type, reallocate if	
15	required.		
16	Casualties: How many / priority, begin CASEVAC or MEDEVAC if possible.		
17	Equipment: Type of damage / severity / recoverability.		
18		NA - dia - L Francisco (NAFREVAO)	
19		Medical Evacuation (MEDEVAC)	
20	Line 4 / dinta LITM o	otal la caltana affintali, con atta	
21	Line 1:6-digit UTM grid location of pick-up site.		
22	Line 2:Radio frequency, callsign and suffix of requesting personnel. Line 3: Number of patients by precedence:		
23 24	A = Urgent – loss of life or limb within 2 hours.		
24 25	B = Urgent-Surgic		
25 26	5 5	of life or limb with 4 hours.	
27	•	cuation within 24 hours.	
28	E = Convenience	cuation within 24 hours.	
29		pment required. As applicable, express either none, hoist, o	ır
30	stokes litter		"
31	A = None.	(busice).	
32	B = Hoist		
33	C = Extraction Equ	uipment	
		FOUO B-	3

1	D = Ventilator
2	Line 5:# of patients by type. (Litter/Ambulatory).
3	Line 6: Security of pick-up site. (What possible/known threat is in the area)?
4	Line 7: Method of marking pick-up site. (near/far recognition devices).
5	A = Panel
6	B = Pyro
7	C = Smoke
8	D = None
9	E = Other
10	Line 8: Patient nationality and status (Coalition Military, US Contractor, non-US
11	Contractor, Enemy Prisoner of War)
12	A = US Military
13	B = US Civilian
14	C = Non-US military
15	D = EPW
16	Line 9: NBC Contamination.
17	N = Nuclear
18	B = Biological
19	C = Chemical
20	
21	Call for Fire
22	NOTE: A call for fire is a concise message prepared by the observer. It is a
23	request for fire, not an order. There are six elements of the call for fire sent to
24	the fire direction center (FDC) in three transmissions. (See ALSA J-Fire MTTP)
25	a. Observer identification
26	b. Warning Order (type of mission-adjust fire, fire for effect, immediate
27	suppression)
28	c. Target location
29	d. Target description
30	e. Method of engagement (danger close, high angle, ammo type requested)
31	f. Method of control (at my command, request time of flight, request splash,
32	request Time on Target)
33	
3/1	SAMPLE Call for Fire

FOUO FINAL COORDINATION DRAFT

B-4

	FOUO FINAL COORDINATION DRAFT				
1	First Transmission: Observer ID (callsign) and WARNO; "H24 this is N24,				
2	adjust fire" (or "request close air support")				
3	Second transmission: Target location; "Grid WF111222" or "At intersection of				
4	MSR Drum and highway 12"				
5	Third Transmission: Target description, method of engagement and control;				
6	"Enemy gun truck in open, fire when ready, over"				
7					
8	SAMPLE Call for Emergency Close Air Support:				
9	"Crash" is the callsign of a 20 vehicle tactical convoy.				
10	"Anvil 41" is a section of AV-8Bs.				
11					
12	Note: This is not a text-book example of how to coordinate air support but				
13	rather an example of how to protect your convoy in an emergency using plain				
14	English. The doctrinal example can be found in JP 3-9.3.				
15	The lead vehicle of the "Crash" convoy has been hit with an IED. The convoy				
16	is stopped and the wounded are being transferred to other vehicles. After air				
17	support has been requested over the Convoy Control Net, Anvil 41 is headed				
18	toward the site.				
19					
20	Anvil 41: "Crash, this is Anvil 41, What's your location?"				
21	Crash: "Anvil 41, Crash is west-bound on Mobile, just short of the Thar				
22	Thar Bridge"				
23	Anvil 41: "I've got a burning vehicle with about 20 vehicles stacked up				
24	behind him to the east."				
25	Crash: "That's us. Our lead vehicle hit an IED or a mine. The convoy is				
26	stopped and we're taking fire from the north."				
27	Anvil 41: "Roger, we're looking north. Describe the fire."				
28	Crash: "Anvil, we just had an RPG shot at us about 100 meters north of				
29	the lead vehicle."				
30	Anvil 41: "Tally that shot. Do you have any friendlies away from the				
31	vehicles in that direction?"				
32	Crash: "Negative, everyone is either still inside or to the south."				
33	Anvil 41: "Roger, we're going to make a gun run from east to west into that				
34	enemy firing position."				
35	Crash: "Roger"				

FOUO

	FINAL COORDINATION DRAFT
Anvil 41:	"Anvil 41, In from the eastOff to the west"
Crash:	"Those hits were right where the shots were coming from. We
need to get	ut of here. We're going to proceed west across the bridge."
Anvil 41:	"Roger. We'll watch your right flank and the bridge. Cobras are
ten minutes	ut."

Appendix C
Convoy Briefing
Sample Convoy Commander's Brief (OPORD forma
ADMINISTRATIVE D
ADMINISTRATIVE Personnel (roll call)
a. Responsibilities
CC driver/NAV
ACC
VCS
Drivers (primary/alternate)
CSW operator Counter-Assault Element Leader
Designated marksman Medics/Combat Life Saver
Guide/interpreter
Higher HQ Rep
b. Sectors of fire (by priority, weapon system, vehicle, and phase)c. Task Organization: (Internal organization for convoy – manifest)
1. SITUATION:
a. Enemy Forces: Discuss enemy.
Identification of enemy (if known).
Composition/capabilities/strength/equipment.
Location (known danger areas highlighted on map).
Most likely / most dangerous COA (Defend, Reinforce, Attack
Withdraw, and Delay [DRAW-D])
b. Weather. General forecast.
c. Light Data (EENT, % Illumination, MR, MS, BMNT).
C. Light Data (LENT, 70 manimation, with, wis, bivity).

	Friendly Forces
d	Friendly Forces:
	Units along the route
	Operational support provided by higher headquarters.
	Aviation support.
	Mobile Security Forces / Quick reaction forces (QRFs).
	MP escorts/FSE
	EOD
	SOF
	Fire support elements.
	Element Location Frequency/Call Sign
	Attachments: (From outside the organization)
2. MISSION	I (WHO, WHAT, WHEN, WHERE, WHY).
Example: I	Jnit X conducts tactical convoy to FOB YY and returns to FOB
	CO3 in order to provide resupply of CL V (ammo).
3. EXECUTI	1 113 , ,
	oncept of Operations:
	y execution and task(s) of elements, teams, and individuals at
object	ive(s). (Broad general description from beginning to end.)
	EOHO

_	
_	
_	
t	o. Tasks to subordinate units: (Includes attached or OPCON elements)
-	
-	
_	
_	
_	
_	
_	
C	c. Coordinating Instructions: (Instructions for ALL units)
	Order of march (spacing of serials/location of support elements)
	, ,
_	
-	
-	d. Routes (Ensure strip map is attached)
	. Routes (Ensure strip map is attached)
-	
-	
-	
-	
-	
-	
-	
	e. Additional movement issues (speed, intervals, lane, parking, accidents,
e	etc.)
_	
_	
_	
_	
f	Convoy Execution:
	•

C-4	FOUO FINAL COORDINATION DRAFT
	<u> </u>
٠,	attle drills will be rehearsed during rehearsals – no need to cover in brief.
	OE for Convoy Operations (AOR specific).
	eadlight status (on/off, blackout, use of night observation devices.
٠,	in front of your vehicle. Drive on wrong side as necessary.
	Urban/channeled areas: Close interval, but must have visual of tires on
٠,	ow vehicles to enter convoy.
` '	Highways/open roads/clover leafs/bridges/ramps: Open spacing, but do
	ehicle interval.
` '	e maneuvers, bumping and blocking to allow for continuous movement.)
	Urban/channeled areas: As fast as traffic will allow (Be prepared for
	Highways/open roads: Example: 50+ mph.
٠,	vehicles in the lead
	onvoy speedmin/max Speed is dictated by either the rear vehicle's ability to keep up or having
trash.)	
	Beware of objects in the road (cars, potholes, objects, fresh asphalt, and
` ,	Beware of motorcycles, vans with side doors, and dump trucks.)
	unicate indicators throughout the convoy).
` ,	Scan crowds, vehicles, and roadsides for attack indicators. (Note:
cross s	
	vn bridges, rooftops, balconies, storefronts, multi-story structures, and
(2)Se	ectors-of-fire: Cover assigned sectors while mounted/dismounted; cover
	Coordinating instructions.
	Recovery: Maintain vehicles/personal gear.
` '	Debrief.
	Return to base (RTB).
` '	Start point (SP)/departure.
(e)	Rehearsals/test fires.
(d)	Load vehicles.
(c)	Put on equipment.
	Briefing.
	s (PMCS) completed.
	Vehicle/personal gear preparation; preventive maintenance checks and
(1)11	meline

1	_	
2	4. AD	MIN & LOGISTICS (Equipment).
3	a.	Individual Equipment (pre-combat inspections [PCIs] see checklist)
4	b.	
5	5. CO	MMAND and CONTROL.
6	a.	Chain of Command. (Positioning in Convoy)
7	b.	Convoy Call sign(s):
8	C.	Area of Operations Communications/MEDEVAC and CASEVAC Plan.
9	d.	Convoy Primary/Alternate/Contingency/Emergency (PACE)
10		Communications (extra batteries):
11	e.	Vehicle internal (Back to:)
12	f.	Hand and arm/visual signals (as per unit SOPs).
13		
14		Radio: primary/alternate/
15		Radio: primary/alternate/
16	g.	
17		Hand and arm/visual signals (as per unit SOPs).
18		
19		Radio: primary/alternate/
20		Radio: primary/alternate/
21	h.	Convoy to Higher HQ
22		Radio: primary/alternate/
23		Radio: primary/alternate/
24	i.	ania appear
25		MSF/QRF: freq: call sign: (Note: HOPSETS
26	cha	anges with ORs).
27		CASEVAC: freq: call sign:
28	,	Crew commands / Pro-words / Brevity Codes:
29		Blue Force Trackers SN #s.
30	I.	3
31		Special instructions (SPINS).
32		Supporting arms: freq: call sign:
33		Reports (individual and higher)
34		AFETY. (See Appendix E-Risk Assessment) Overall Risk to Force:
35 36		ow. Medium. High.
OO.	L(JVV. IVICUIUITI. MICH.

1	b.	Overall Risk	to	Mission	Accomplishment:
_					

- Low. Medium. High.
 c. Fratricide Reduction Measure
 7. Review Timeline
 8. Give Time Hack
 9. Ask for Questions 2 3 4 5

1

2

Appendix D Risk Management Table D-1 Risk Management Card

PLANNING

1 LAMMINO					
		Preparation Time			
Guidance	Optimum	Adequate	Minimal		
Verbal	3	4	5		
FRAGO	2	3	4		
OPORD	1	2	3		
Score					

INTELLIGENCE

	C	Current Route Intelligence				
				No		
	>12 Hours	>24 Hours	Historical	ne		
Level 2	3	4	5			
Level 1	2	3	4			
Random	1	2	3			
Score						

COMMUNICATION

	Type of Systems					
	MTS /	MTS /				
	DTRAK					
	2-10 2-10 >2-10					
Overall Threat	SINCGAR	SINCGAR	SINCGAR			
Level 2	3	4	5			
Level 1	2	3	4			
Random	1	2	3			
Score		•	•			

FOUO FINAL COORDINATION DRAFT

D-1

TRAINING

	Current Status		
	75%	75%	>75%
	CQM/CSS		
Overall Threat	LFX	Weapon Qual	Not Trained
Level 2	3	4	5
Level 1	2	3	4
Random	1	2	3
Score			•

SOLDIER ENDURANCE

		Length of Operation		
				9+
Rest in last 24	1-2 hr	3-5 hr	6-8 hr	hr
hours				
>6 hours	2	3	4	5
6+ hours	1	2	3	4
Score				

SECURITY

SECURITI				
	Security (WPN) Support Provided			
				M1
		1-8 Gun	1-8	6
Overall Threat	External	Truck	Automatic	Only
Level 2	3	4	5	5
Level 1	2	3	4	5
Random	1	2	3	4
Score				

PERSONNEL PROTECTION

1 EROOMMEET ROTEOTION				
	Hardening /			
	Equipment			

FINAL COORDINATION DRAFT							
	S/B						
	Hardening	B Hardening		No			
Overall Threat	FRAG Vest	FRAG Vest	FRAG Vest	ne			
Level 2	3	4	5	5			
Level 1	2	3	4	5			
Random	1	2	3	4			
Score							

VISIBILITY

		Weather/Light			
	Sand- I				
Location	Clear/Day	Dusty/Day	storm/Day	ht	
Desert/Iraq	2	3	4	5	
Score	_				

SOPs /

Rehearsals

	Preparation			
	SOP/Rehear			
	sed Key	SOPs	No SOP	
Overall Threat	Actions	No Rehearsals	No Rehearsals	
Level 2	3	4	5	
Level 1	2	3	4	
Random	1	2	3	
Score				

0-19	20-30	31-39	40+
Low Risk	Medium	High Risk	Very High
Total Score			

NOTE: IF 2 OR MORE AREAS ARE ASSIGNED RISK FACTORS OF 5 OR MORE, THE OVERALL RISK IS CONSIDERED "HIGH." ADD 3 POINTS TO THE TOTAL FOR HAZARDOUS OR SENSITIVE ITEMS CARGO.

Commander Signature	FINAL COORDINATION DRAFT
Commander Signature	Date
	by the Company CDR and then ommander at receipt of Mission. The
Convoy Commander wil	I backbrief the Company Commande

1

FOUO
FINAL COORDINATION DRAFT
LA Tactical Convoy Pick Reduction N

1

!	Table D-2 Sample Tactical Convoy Risk Reduction Worksheet			
Check all that apply	Hazard	Risk Level	Control Measures	Residual Risk L/M/H
	Adverse Terrain		Drivers training, convoy brief	
	Air Attack		Convoy defense, battle drills, harden vehicles, commo	
	Ambush		Convoy defense, battle drills, harden vehicles	
	Barricades		Convoy defense, rehearsals, battle drills, breach teams	
	Blackout Drive		Drivers training, convoy brief	
	Breakdown		PMCS, PCI's, Class II, SPO's (stripmap)	
	Exhaust Fumes		Enforce no sleep rule (TC's), PMCS, PCI's	
	Cargo (HAZMAT)		Training, PCI's	
	Civilians		Commo, Convoy briefs, training	
	Cold Weather		Cold weather training, PCI's	
	Communication		Training, commo personnel, PMCS, PCI's	
	Desert Environment		Training, convoy briefs	
	Disorientation		Convoy briefs, stripmap (SOP's), training (plugers, etc)	
	Driver Inexperience		Driver placement, training	
	Enemy ATK		Rehearsals, battle drills, convoy briefs, harden vehicles	
	Fratricide		VS-17 panels, on vehicles, markings, commo	
	Halt		Rehearsals, battle drills, convoy briefs	
	Heat		Water, rest halts, convoy brief (safety)	
	Heavy Rain		PMCS, drivers training, reduce speed	

FOUO FINAL COORDINATION DRAFT D-5

FOUO FINAL COORDINATION DRAFT

	1	FINAL	. COORDINATION DRAFT	
Check all that apply	Hazard	Risk Level	Control Measures	Residuai Risk L/M/H
	Limited Visibility		NVG's, chemlight markings, training	
	Long hauls		Drivers training, SOP's, rest halts, convoy briefs	
	Minefield		Rehearsals, battle drills	
	Mud		Recovery training, Drivers training (all wheel drive)	
	NBC Attack		Rehearsals, PCI's, recons, commo, training (NBC teams)	
	Recovery Operations		Training (with maintenance, self recovery-wench, toe-bar	
	Reduced Visibility		Intervals, chemlight markings, training	
	Roll Over		Drivers training, recovery, SOP's (seatbelts, Kevlar's)	
	Sleep Deprivation		Enforce sleep plan, rest stops, work rotations	
	Sniper Fire		Battle drills, convoy briefs, training	
	Snow/Ice		Reduce speed, drivers training (use of CTIS),	
	Strong Winds		Reduce speed, drivers training, convoy briefs	
	Sudden halt		Intervals, training, battle drills (SOP's)	
	Sunlight		Clean windows, sunglasses	
	Fire		Fire extinguishers, evacuation drills	

1

1	Appendix E
2	Training
3	
4	Individual skill sets required before collective training convoy
5	specific tasks.
6	a. Weapons familiarity / qualification. Close Quarters Marksmanship (CQM)
7	individual and crew served weapons/individual movement techniques.
8	b. First aid or combat life saver training.
9	c. Driver's training, including limited visibility / NBC driving and vehicle
10	configuration / load plan / maintenance training.
11	d. Basic navigation training, mounted and dismounted, urban if possible.
12	e. Basic communications / radio operators training / visual communications
13	training (train to call for fire, CAS, MEDEVAC).
14	f. Special teams training (aid and litter teams, CASEVAC teams, recovery teams,
15	landing zone teams for MEDEVAC).
16	g. IED awareness.
17	h. ROE training.
18	
19	Recommended collective training program
20	
21	a. Battle Drills (See Chapter III).
22	b. Situational Training Exercises (Contact Joint Readiness Training Center [JRTC]
23	BDE C2 cell, ref. Convoy STX Lane Training & Evaluation Outlines).
24 25	c. Convoy Live Fire (See Appendix F for training Resources).

1	Appendix F
2	Resources
3	
4	IED Resources
5	(SIPRNET site) https://iedtaskforce.army.smil.mil
6	,
7	General Websites
8	a. Air Land Sea Application (ALSA) Center website: www.alsa.mil
9	b. ALSA/Center for Army Lessons Learned (CALL) Interpreter Ops handbook,
10	https://wwwmil.alsa.mil/interpreterops.htm
11	c. Army Training Library(Riemer): www.train.army.mil
12	d. CALL Handbook 03-33 Convoy Leader Training:
13	https://call2.army.mil/products/Handbook.asp
14	e. Center for Army Lessons Learned (CALL): http://call.army.mil/
15	f. Combat Convoy Simulation Exercise Training:
16	http://www.commandoperationscenter.com
17	g. Combined Arms Support Command website: http://www.cascom.army.mil
18	h. Logistics Tool and National Stock Number Lookup tool:
19	http://logtool.net/html/02USA_1identify.php
20	Training
21	a. Convoy LFX training support package:
22	https://www.cascom.army.mil/private/TD/Transportation/training_products/Conv
23	oy_Live_Fire/conv_live_fire.htm
24	b. Combat Life Saver (CLS/Medics): http://www.cs.amedd.army.mil/clsp/
25	c. Joint Readiness Training Center (JRTC) Website: www.jrtc-polk.army.mil
26	d. Reimer Digital Library: http://atiam.train.army.mil/portal/index.jsp
27	e. Training Support Package for Convoy Survivability:
28	http://www.cascom.army.mil/private/TD/Transportation/training_products/Convo
29	v%20Survivability/convov_surv_htm

1

Table F-1 Convoy Equipment National Stock Numbers			
Nomenclature	NSN		
Ring Mount for	See Note Below		
vehicles/weapon system			
M6 Pedestal Mount	1005-01-411-6341		
Cargo Straps 10K lbs,	1670-00-937-0271		
Kevlar Blanket, Ballistic			
Tow Cables			
Combat Lifesaver Bag, plus supplies	6545 01 254 9551		
VS-17 Panel	8345-00-174-6865		
Strobe Light	6230-01-411-8535		
Strobe, Infrared	5855-01-438-4588		
Ballistic Eye Protection	4240-01-504-5326		
Light, Marker, Distress	6230-01-411-8535		
Compass, Lensatic	6605-01-196-6971		
Fire Extinguisher, C Type			
(for Personnel)			
Vehicle First Aid Kit	6545-00-922-1200		
Swing Arm Mount			
Spot Light	6220-00-735-4815		
Ratchet Straps			
Steel Carabiners 10K lbs			
Sling Set, 25K lbs	1670-01-027-2900		
Gloves, Nomex	8415-01-074-9432		
Gloves, Kevlar Impact II	SMALL- 8415MP-CT05-08		
CT	MEDIUM- 8415MP-CT05-09		
	LARGE- 8415MP-CT05-10		
	XL- 8415MP-CT05-11		
D 51 + T	XXL- 8415MP-CT05-12		
Run Flat Tires	6650-01-108-6629		
Binoculars GPS			
	6350-00-105-1252		
Mirror, Emergency	0300-00-100-1202		

	FINAL COORDINATION DRAFT				
	Nomenclature NSN				
	Signaling, Type II				
	Kit bag, flyers 8460-00-606-8366				
	MOUT/Mechanical				
	breacher's kit				
	Smoke Grenade Launchers				
1	Note: Vehicle/Weapon System Ring Mounts (from TB 43-PS-621, PS Preventativ	е			
2	Maintenance Monthly, dtd Aug 2004):				
3	MK19 Vehicle Ring Mount				
4	MK 93 Mod 1 NSN: 1005013832757 or MK Mod 9 NSN: 1010014123159				
5	M1025/M1026/M1114 HMMWV pintle adapter NSN: 3120011885082				
6	M66 machinegun mount ring NSN: 1005007012810				
7	800 series 5 ton mounting kit NSN: 1005012264589, cab reinforcement				
8	kit NSN: 2590013222694				
9	LMTV and FMTV mounting kit NSN: 1005013815431				
10	HEMTT mounting kit NSN: 2590012206377 (incl M66 mount ring)				
11	PLS mounting kit NSN: 1005013632502				
12	Lightweight ring mounting kit for 900 series 5 ton NSN: 1005014323339, Cab				
13	reinforcement kit 2590014369144				
14					
15	M240B/M249 Vehicle Ring Mount				
16	Ammo adapter bracket assembly NSN: 1005014318324				
17	Deflector kit NSN: 1005014680552				
18	M197 machinegun mount NSN: 1005014134098				
19	M1025/M1026/M1114 HMMWV pintle adapter NSN: 3120011885082				
20	M66 machinegun mount ring NSN: 1005007012810				
21	800 series 5 ton mounting kit NSN: 1005012264589, cab reinforcement				
22	kit NSN: 2590013222694				
23	LMTV and FMTV mounting kit NSN: 1005013815431				
24	HEMTT mounting kit NSN: 2590012206377 (incl. M66 mount ring)				
25	PLS mounting kit NSN: 1005013632502				
26	Lightweight ring mounting kit for 900 series 5 ton NSN: 1005014323339, Cab				
27	reinforcement kit NSN: 2590014369144				
	FOUO F	-3			

FOUO

FINAL COORDINATION DRAFT 1 2 **M2 Vehicle Ring Mount** MK 93 Mod 1 NSN: 1005013832757 or MK Mod 9 NSN: 1010014123159 or 3 6650 Machinegun mount NSN: 1005007046650 M1025/M1026/M1114 HMMWV pintle adapter NSN: 3120011885082 M66 machinegun mount ring NSN: 1005007012810 800 series 5 ton mounting kit NSN: 1005012264589, cab reinforcement 7 8 kit NSN: 2590013222694 9 LMTV and FMTV mounting kit NSN: 1005013815431 HEMTT mounting kit NSN: 2590012206377 (incl M66 mount ring) 10 PLS mounting kit NSN: 1005013632502 11 Lightweight ring mounting kit for 900 series 5 ton NSN: 1005014323339, Cab 12 13 reinforcement kit NSN: 2590014369144 14 15

Table F-2 Combat Lifesaver Kit

Nomenclature	National Stock Number
2x2 Gauze Surgical Sterile	6510-00-559-3163
Scissors Bandage	6515-00935-7138
Kurlex Gauze	
Glove Exam Large	6515-00-226-7692
Intravenous Inj Set	6515-00-115-0032
Catheter And Needle 18	6515-01-282-4878
Gauge	
Splint Universal 36x4.5in	6515-01-225-4681
Ringers INJ 500ml	6505-01-312-7873
Pad Prov-Iod Impregnated	6510-01-010-0307
Alcohol Prep Pad	6510-01-425-0026
Tourniquet Adult	6515-01-146-7794
Adhesive Tape Surg 1in	6510-00-926-8882
Bandage 37x37x52in	6510-00-201-1755
Dressing First Aid	6510-00-159-4883
Airway 100mm (LG)	6515-00-687-8052
Airway 80mm (SM)	6515-00-958-2232
Bandage Gauze Elastic	6510-01-164-2694

1	Appendix G
2	Tactical Convoy Operations Standard Operating
3	Procedures
4	SOP Guidelines
5	a. There are important planning considerations that should be included in unit
6	standing operation procedures (SOPs) for tactical convoy operations.
7	b. An advantage to a well written, easily understood SOP is that it saves time
8	in planning, briefing, and rehearsing. It is up to the leadership that SOP
9	guidelines are followed by all members of the unit and updated as appropriate.
10	c. SOPs should conform to the next higher headquarters. At a minimum, the
11	SOP should cover the following subjects:
12	Duties of the CC and other convoy control personnel.
13	(2) Convoy organization.
14	(3) Weapons and ammunition to be carried.
15	(4) Hardening of vehicles.
16	(5) Protective equipment to be worn.
17	(6) Preparation of convoy vehicles; for example, information on
18	tarpaulins, tailgates, and windshields.
19	(7) Counter ambush actions.
20	(8) Operations security (OPSEC) measures.
21	(9) Immediate action drills/battle drills.
22	(10) Actions during scheduled halts.
23	(11) Maintenance and recovery of disabled vehicles.
24	(12) Refueling and rest halts.
25	(13) Communications.
26	(14) Actions at the release point.
27	(15) Reporting.
28	

FOUO FINAL COORDINATION DRAFT References

1	References
2 3 4	Joint Publications JP 0-2, Unified Action Armed Forces (UNAAF). 10 July 2001. Joint Pub 3-09.3 Joint Tactics, Techniques, and Procedures for Close Air Support, 3 September 2003
234 567890	Multi-Service ALSA J-Fire, Multi-service Procedures for the Joint Application of Firepower, November 2002 ALSA and CALL Handbook No. 0.4-7, Interpreter Operations, March 2004 MPRI Convoy Leader Handbook, Revision V, 19 January 2004 CJTF-7 OIF Smart Card 2, Version 1.A., 3 December 2003 CALL Handbook No. 04-5, USSOCOM Combat Convoy Handbook, April 2004
11 12 13 14 15 16 17 19 20 22 22 23 24 25 27	Army CALL Handbook No. 03-6, Tactical Convoy Operations, March 2003 CALL Handbook No. 3-33, Convoy Leader Training, November 2003 Graphic Training Aid (GTA) 90-01-004 Logistics Convoy Operations GTA 90-01-001 Improvised Explosive Device (IED) and Vehicle Borne Improvised Explosive Device (VBIED) Smart Car ARTEP 7- 90 - MTP; Mission Training Plan for the Infantry Mortar Platoon, Section, and Squad, August 1989 ARTEP 55 - 406 - MTP, Mission Training Plan for the Transportation Movement Control Battalion, August 2002 ARTEP 55 - 406 - 30 - MTP, Transportation Movement Control, March 2000 ARTEP 55 - 506 - 10 - MTP, Mission Training Plan for Movement Control Team, June 2002 FM 3 - 21.71(FM 7-7)); Mechanized Infantry Platoon and Squad (Bradley); August 2002 FM 3 - 90; Tactics: July 2001 FM 7 - 7; The Mechanized Infantry Platoon and Squad (APC); March 1985 FM 17 - 97; Cavalry Troop; October 1995 FM 17 - 98; Scout Platoon; April 1999 FM 21-60, Visual Signals; September 1987 FM 55 - 30; Army Motor Transport Units and Operations, June 1997 JRTC Convolv Leader Handbook; March 2002
28 29	Marine Corps MCRP 4-11.3F, Convoy Operations Handbook, 26 September 2001
30	Air Force
31	Other

FOUO FINAL COORDINATION DRAFT GLOSSARY

PART I – ABBREVIATIONS AND ACRONYMS

1

Α	
A&L	aid and litter
ACC	assistant convoy commander
ACE	ammunition, casualties, equipment
AO	area of operations
AOR	area of responsibility
В	
BMNT	before morning nautical twilight
С	
CAE	counter-assault element
CAS	close air support
CASEVAC	casualty evacuation
CC	convoy commander
CLS	combat lifesaver
COA	course of action
CP	checkpoint
CS	combat support
CSS	combat service support
CSW	crew-served weapon
D	
DRAW-D	defend, reinforce, attack, withdraw, and
	delay
E	
EENT	end of evening nautical twilight
F	
FBCB2	force battle command, brigade and
	below (see also, blue force tracker)
FIST	fire support team

FOUO FINAL COORDINATION DRAFT

FOUO FINAL COORDINATION DRAFT

FINAL COORDINATION DRAFT			
FOB	forward operating base		
FRAGO	fragmentary order		
FSE	forward security element		
G			
GPS	global positioning system		
Н			
HQ	headquarters		
I			
IED	improvised explosive device		
J			
JTAC	joint terminal attack controller		
L			
LOC	lines of communication		
LVC	lead vehicle commander		
LZ	landing zone		
M			
MEDEVAC	medical evacuation		
METT-TC	mission, enemy, terrain and weather,		
	troops and support available, time		
	available, civilians		
MP	military police		
MR	moonrise		
MS	moonset		
MSF	mobile security force		
MTS	Movement Tracking System		
MTTP	multi-Service tactics techniques and		
	procedures		
N			
NAV	navigator		
NTV	Non-tactical vehicle		

FOUO FINAL COORDINATION DRAFT

	FINAL COORDINATION DRAFT
NVG	night vision goggles
0	
OGA	other governmental agency
OPCON	operational control
OPORD	operations order
OPSEC	operations security
OVM	on-vehicle material
P	
PCC	pre-combat check
PCI	pre-combat inspection
PMCS	preventative maintenance checks and
	services
PSD	personal security detail
Q	
QRF	quick reaction force
R	
RECCE	reconnaissance
ROE	rules of engagement
RP	release point
RPG	rocket propelled grenade
S	
SALUTE	size, activity, location, unit, time,
	equipment
SITREP	situation report
SOF	special operating force
SOP	standard operating procedure; standing
	operating procedure
SP	start point
SUV	sport utility vehicle
Т	
TCP	traffic control point

TLP	troop leading procedures	
TTP	tactics, techniques, and procedures	
U		
UAV	unmanned aerial vehicle	
V		
VBIED	vehicle borne improvised explosive	
	device	
VC	vehicle commander	
W		
WARNO	warning order	

PART II - TERMS AND DEFINITIONS

360 Degree Security- combining maximum all-around visibility for situational awareness, interlocking sectors of fire and mutual support.

Blocking - an advanced technique used to physically block the road with a vehicle to prevent traffic from feeder roads, traffic circles and on/off-ramps from intermingling with your convoy

Bumping- the replacement of one blocking vehicle with another. This technique is similar to "road guards" during a unit PT run. Blocking vehicles "bump" ahead and act as barriers to third party interference.

Close Air Support (CAS) - air action by fixed- and rotary-wing aircraft against hostile targets that are in close proximity to friendly forces and which require detailed integration of each air mission with the fire and movement of those forces

Casualty Evacuation (CASEVAC) - FM 8-10-6 defines as a term used by non-medical units to refer to the movement of casualties aboard non-medical vehicles or aircraft. En route medical care is not provided.

Cold side- Side of vehicle opposite that which taking fire.

Convoy Escort- Any security element/augmentation that has an independent task organization that will be supporting a convoy—to include air support (e.g. MP detachment, rotary wing escort, or security element from a maneuver battalion).

- **Daisy Chain-** two or more explosive devices wired together so that a single signal will detonate all the munitions at once.
- Improvised Explosive Device (IED) Device placed or fabricated in an improvised manner incorporating destructive, lethal, noxious, pyrotechnic, or incendiary chemicals, designed to destroy, disfigure, distract, or harass. It may incorporate non-military or military components; it could be static or vehicle borne. IEDs may have an NBC capability. Vehicle-borne IEDs (VBIEDs) may be the most dangerous due to increased explosive payload.
- **Five/twenty-five (5/25) meter Scan** from position, begin scanning out 5 meters and increase out to 25 meters.
- **Green Convoy-**For purpose of this publication, convoys that consist of military vehicles and personnel.
- Gun Truck- A gun truck is a vehicle where the primary weapon system is a crew served weapon with a 360 degree field of fire capability. Ideal platform is a hardback / or up-armored HMMWV (M1114/M1113). Gun trucks are essential direct fire support vehicles for convoys. Gun trucks are manned by a trained crew consisting of VC, gunner, and driver. Gun trucks have the capability to suppress targets and maneuver within unprotected convoy areas.
- **Honesty Trace-** Route actually traveled vs. route planned. Normally tracked by intelligence section (S2) to identify friendly trends that could be predictable by enemy over time.
- **Hot side-** Side of vehicle that which is taking fire.
- **Medical Evacuation (MEDEVAC) -** FM 8-10-6 defines as the timely, efficient movement and en route care by medical personnel of the wounded, injured, and ill persons, from the battlefield and other

FOUO FINAL COORDINATION DRAFT

locations to MTFs. The term MEDEVAC refers to both ground and air assets. Divisions are equipped with both ground and air MEDEVAC assets.

- Pre-Combat Checks (PCCs). PCCs are procedures for all individuals assigned to a convoy to determine if equipment required for a mission is available and serviceable. PCCs are effective only if they are organized and conducted using an up-to-date checklist. This section provides suggested checklists for leaders, specialty teams and individuals. Use these checklists as a guideline. The type of unit, equipment, operational area and mission will dictate additions, substitutions and deletions. Follow through is essential, missing or unserviceable equipment must be rapidly reported, repaired or exchanged. These checks should be scheduled soon after the warning order is issued at a time where individuals are released from other duties.
- Pre-Combat Inspections (PCIs). PCIs are the series of inspections scheduled early in the preparation sequence to insure that all PCCs have been performed properly and that all vehicles, weapons, communications, special and individual equipment are available and functional. These PCIs are most effective when organized and conducted to exacting standards by first line supervisors with systematic spot checks made by the senior convoy leadership.
- **Rolling Stop-**slow vehicle and scan the road starting at 5 meters and moving out to 25 meters around vehicle for IEDs before coming to a complete stop.
- **Route Classifications-**Classification assigned to a route using factors of minimum width, worst route type, least bridge, raft, or culvert military load classification, and obstructions to traffic flow.
- **Sector of Fire -** the area that can be covered with direct fire.
- **Sector of Observation-** The entire area visible to the crew member.
- **Spotter personnel-**Personnel designated to look for specific threats to the convoy.

1	Tactical Convoy-A deliberately planned combat operation to move
2	personnel and or cargo via a group of ground transportation assets
3	in a secure manner to or from a target destination under the
4	control of a single commander in a permissive, uncertain or non-
5	permissive environment.
6	Third party personnel/vehicle-personnel and/or civilian vehicles
7	operated by civilians that are not part of the convoy operation.
8	White Convoy-For purpose of this publication, convoys that consist of
9	civilian/contractor vehicles and personnel.

10

	FINAL COO	FOUO	ON DRAFT
1 2 3 4	THAL GOO	, comarie	FM 3-52.2 (FM 100-103-2) MCRP 3-256 NTTP 3-56.2 AFTTP(I) 3-2.17
5			Day Month YEAR
6	By Order of the Secretary of the	Army:	
7 8 9 10 11 12 13	Official: JOEL B. HUDSON Administrative Assistant to the Secretary of the Army XXX XXXX	15 16 17 18	PETER J. SCHOOMAKER General, United States Army Chief of Staff
19 20 21 22 23 24 25 26 27	DISTRIBUTION: Active Army, Army National Guard, at accordance with the initial distribution FM 3-52.2. By Order of the Secretary of the Air FBENTLEY B. RAYBURN Major General, USAF Commander Headquarters Air Force	n numbe	3
28	Doctrine Center		

Air Force Distribution: F or X if restricted publication

29

1

MARINE CORPS PCN:

PIN: