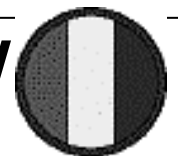




IBCT



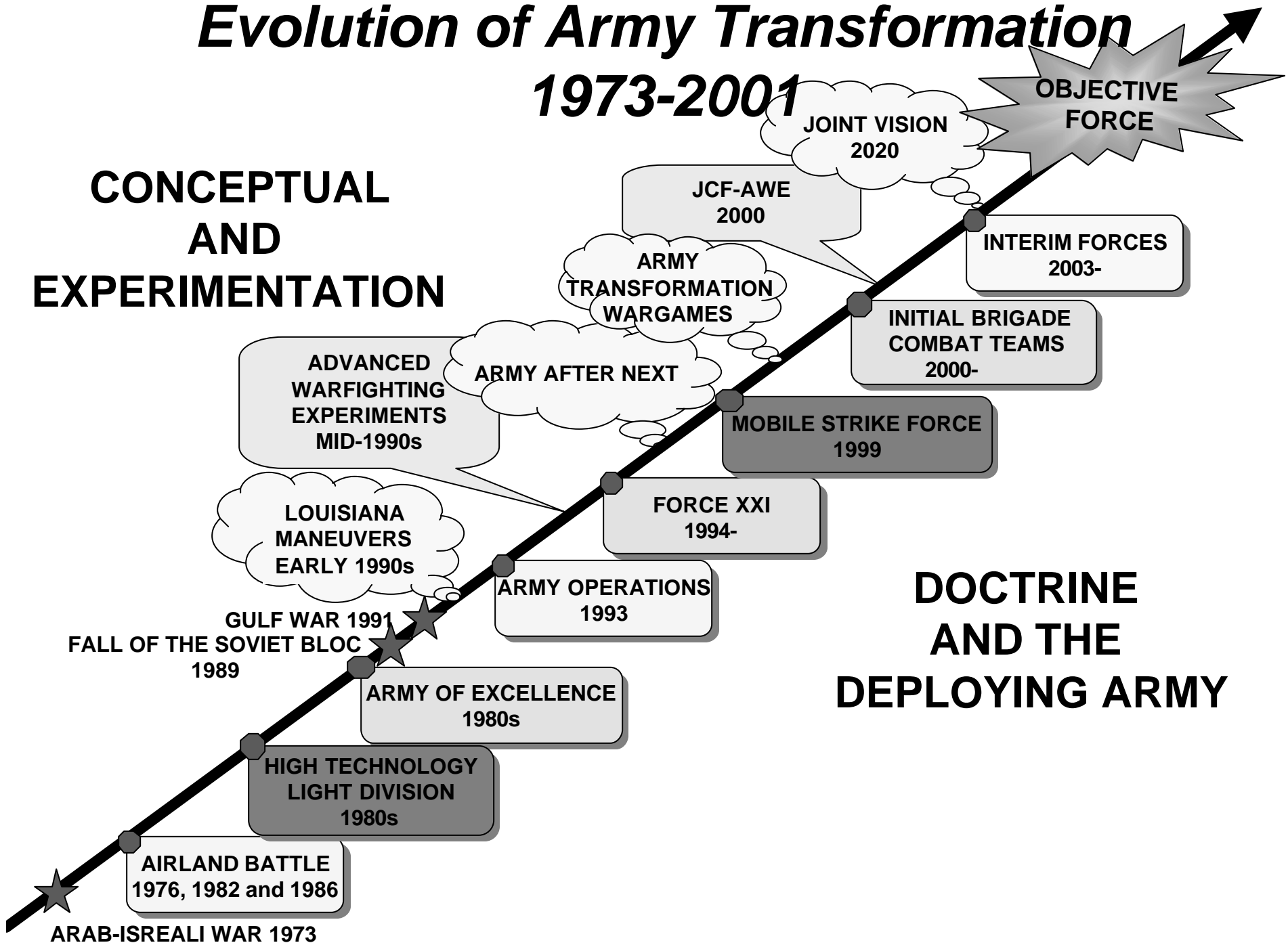
<http://www.lewis.army.mil/transformation/>



Report Documentation Page

Report Date 18JUN2001	Report Type N/A	Dates Covered (from... to) -
Title and Subtitle IBCT	Contract Number	
	Grant Number	
	Program Element Number	
Author(s)	Project Number	
	Task Number	
	Work Unit Number	
Performing Organization Name(s) and Address(es) Unknown	Performing Organization Report Number	
Sponsoring/Monitoring Agency Name(s) and Address(es) NDIA (National Defense Industrial Association 2111 Wilson Blvd., Ste. 400 Arlington, VA 22201-3061	Sponsor/Monitor's Acronym(s)	
	Sponsor/Monitor's Report Number(s)	
Distribution/Availability Statement Approved for public release, distribution unlimited		
Supplementary Notes Proceedings from Armaments for the Army Transformation Conference, 18-20 June 2001 sponsored by NDIA		
Abstract		
Subject Terms		
Report Classification unclassified	Classification of this page unclassified	
Classification of Abstract unclassified	Limitation of Abstract UU	
Number of Pages 28		

Evolution of Army Transformation 1973-2001



21st Century Security Requirements

Spectrum of Operations



Domestic Support

- Disaster Relief
- Civil Support

Peace Operations

- Peace Building/Making
- Military to Military Contacts
- Arms Control
- Nation Assistance
- Peace Keeping
- Security Assistance

Limited Conflict

- Counter Terrorism
- Raids
- Strikes
- Insurgency & Counterinsurgency

Nuclear War

- Strategic Weapons
- Tactical Weapons

Environmental Operations

Regional Conventional Conflict

Peace Enforcement

Sanctions Enforcement

Humanitarian Assistance

Show of Force

NEO

Counter Drug

Full Spectrum Challenges

- No single threat; a range of dynamic security challenges
- Increased threat from:
 - Asymmetric attacks on critical nodes
 - WMD proliferation
 - Terrorism

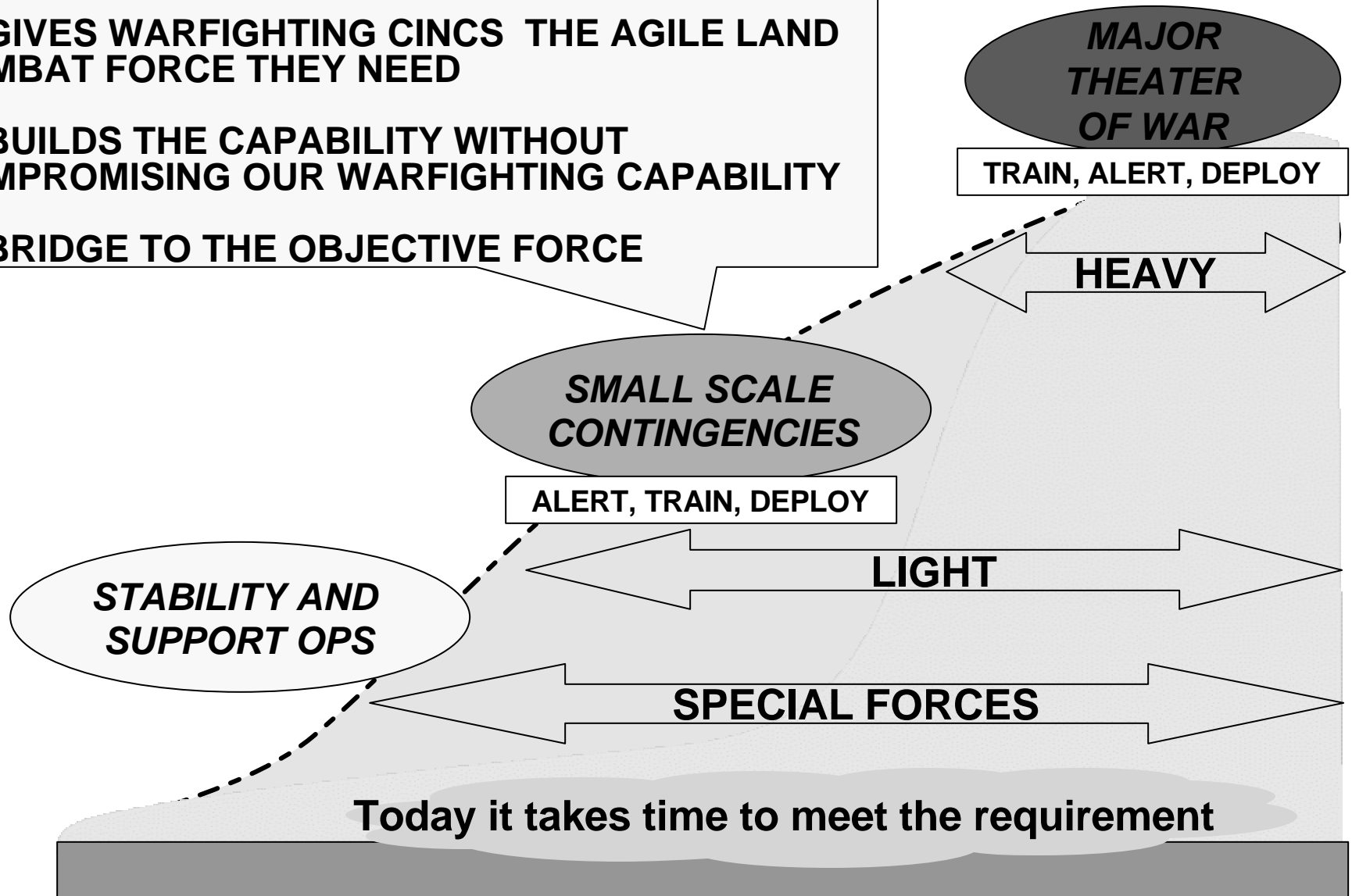
REQUIRE:

- Broad range of capabilities
- Strategic Responsiveness / Strategic Speed
- Dominance across the Full Spectrum of Operations

The Objective Force Must Be: Responsive, Deployable, Agile, Versatile, Lethal, Survivable, Sustainable

Why the IBCT?

- ❑ SATISFIES THE DEMANDS OF THE CURRENT STRATEGIC ENVIRONMENT
- ❑ GIVES WARFIGHTING CINCS THE AGILE LAND COMBAT FORCE THEY NEED
- ❑ BUILDS THE CAPABILITY WITHOUT COMPROMISING OUR WARFIGHTING CAPABILITY
- ❑ BRIDGE TO THE OBJECTIVE FORCE



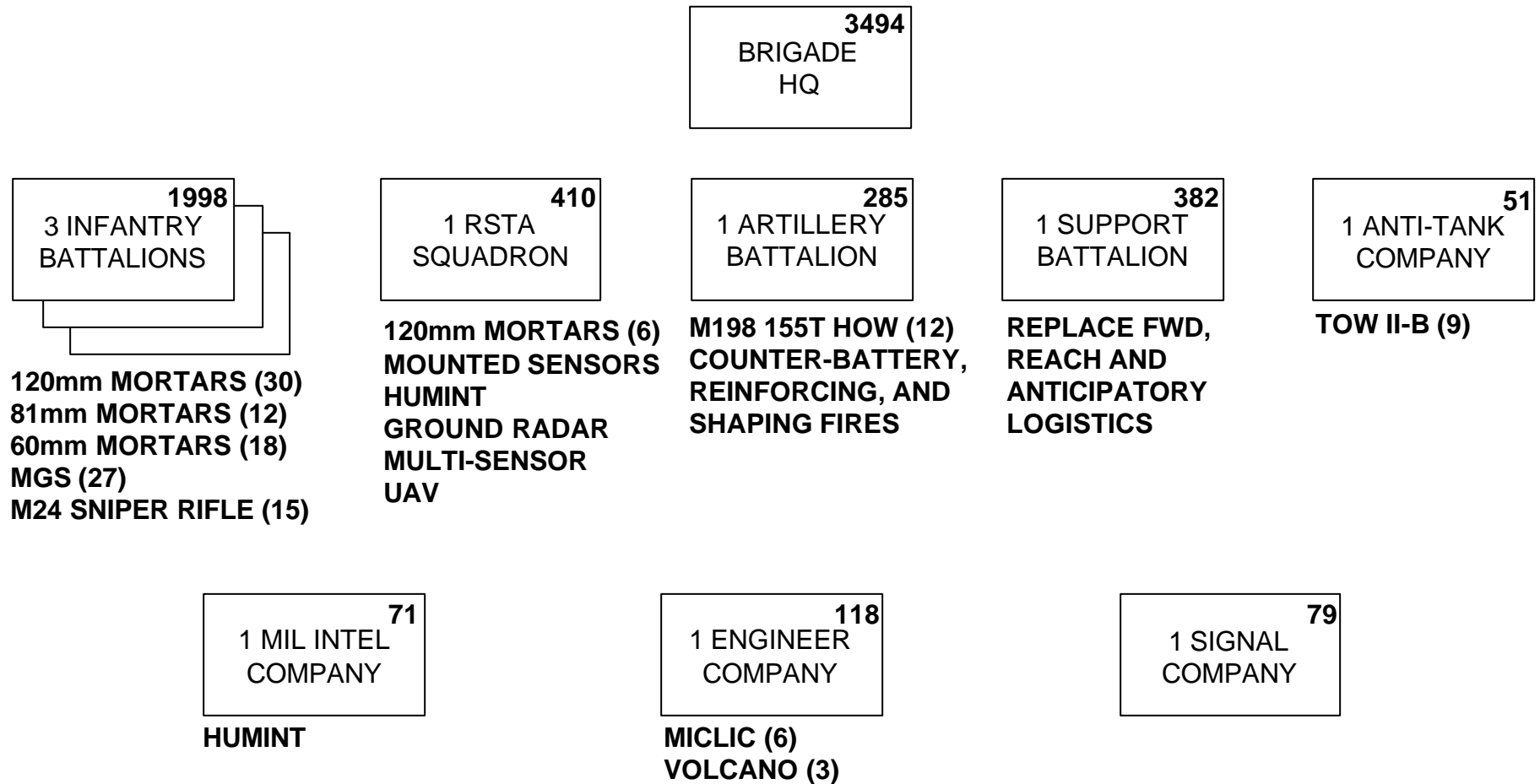
***Endgame: The Betrayal and
Fall of Srebrenica, Europe's Worst
Massacre Since World War II***

David Rohde

IBCT Capabilities

- Rapidly deployable**
- Joint & Coalition interoperable**
- Full spectrum**
- Combat capable on arrival**
- Precision, Internetted, Combined Arms fighting**
- Decisive action through deliberate maneuver & Infantry assault**
- Maintains freedom of maneuver by:**
 - ***High tactical mobility***
 - ***Situational understanding***
- Force effectiveness in complex and urban terrain**
- Increased deployability and decreased sustainment footprint**
- Reach operations for Strategic, Joint, Combined intelligence, analysis, logistics as well as fires and effects**
- Operational mobility via C-130**

Initial Brigade Combat Team Organization



Significant Changes...

1-23 IN

- M2 Bradley- 58**
- 120mm MTR- 6 tubes**
- M1025 SCT- 10 HMMWV**
- Internal CSS Structure**
- Soldiers- 775**

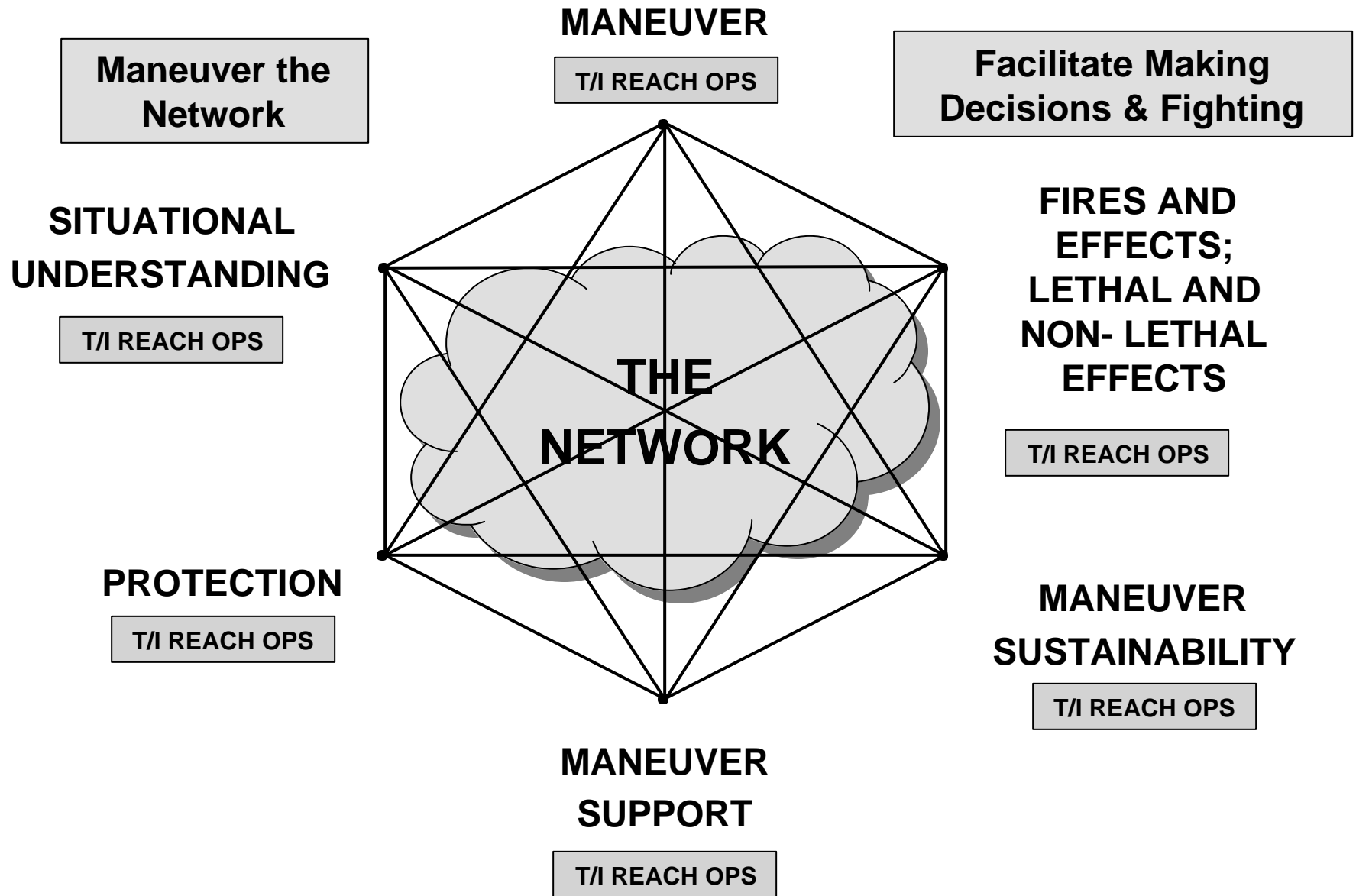
5-20 IN

- M966 AT- 6 HMMWV**
- 81mm MTR- 4 tubes**
- 60mm MTR- 6 tubes**
- Snipers- 3**
- Soldiers- 565**

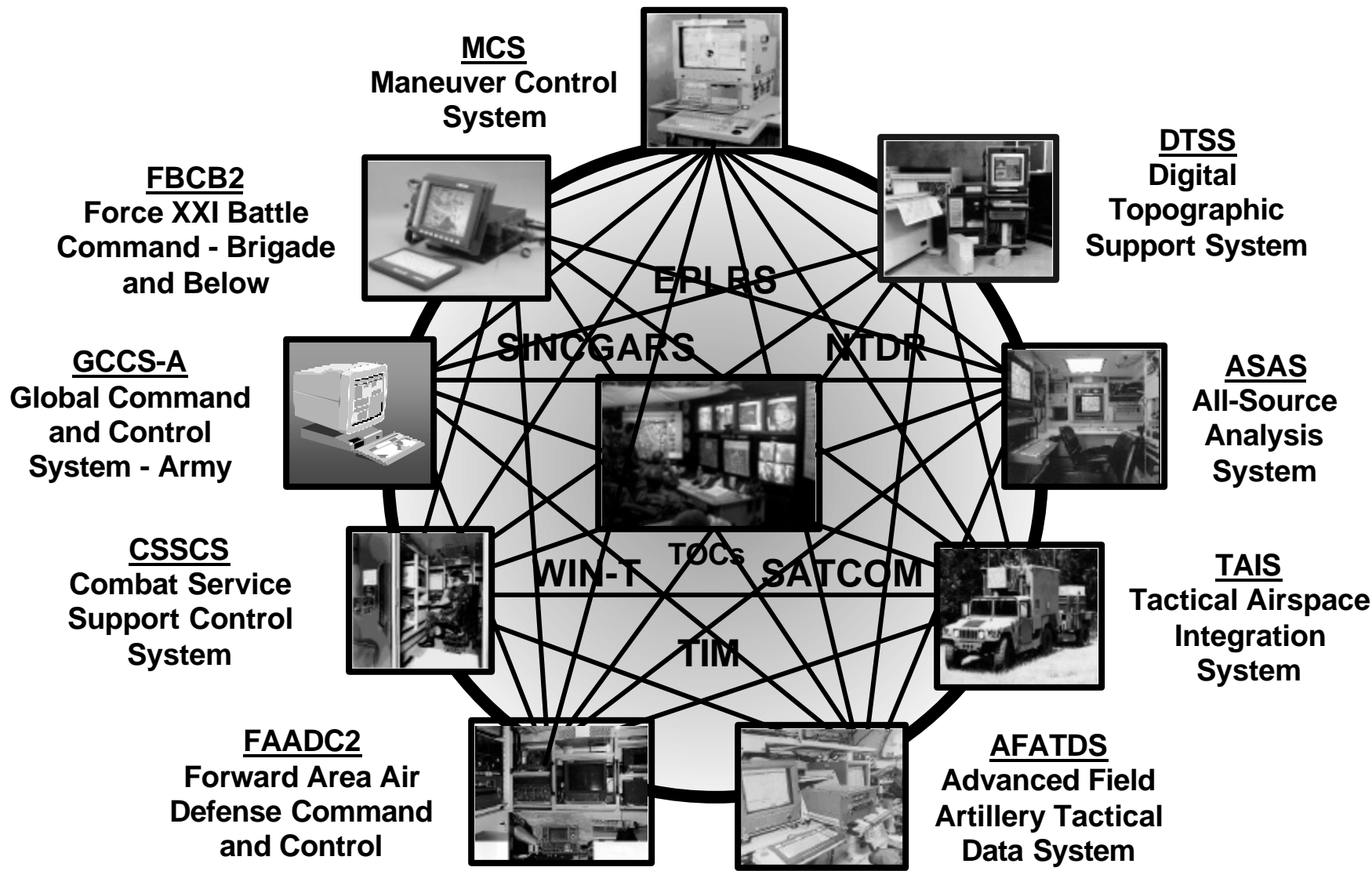
Each IBCT IN BN

- IAV- 67**
- 120mm- 10 tubes**
- 81mm- 4 tubes**
- 60mm- 6 tubes**
- Sniper- 5**
- SDM- 27**
- Javelin- 27**
- Soldiers- 666**

Precision, Internetted, Combined Arms Warfare

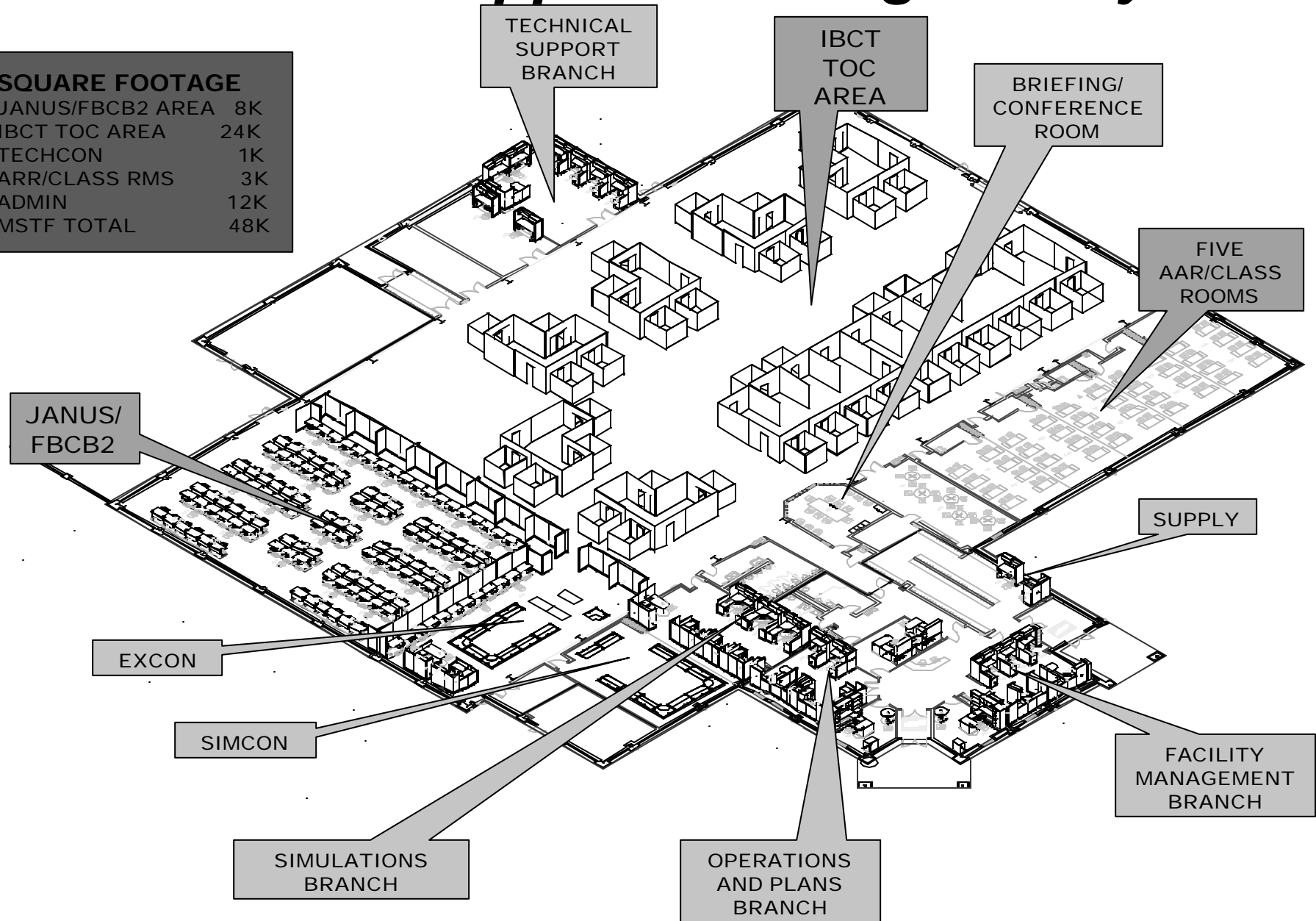


C4ISR Fusion



Mission Support Training Facility

SQUARE FOOTAGE	
JANUS/FBCB2 AREA	8K
IBCT TOC AREA	24K
TECHCON	1K
ARR/CLASS RMS	3K
ADMIN	12K
MSTF TOTAL	48K



The Selected IAV Family

Infantry Carrier Vehicle

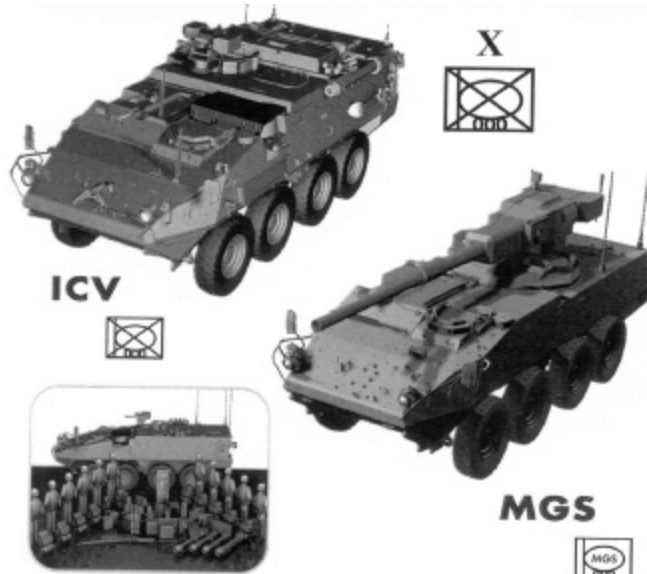
(ICV)

- LAV III Chassis
- 8x8 Wheeled w/CTIS & Run Flat
- High Hard Steel Structure
- Remote Weapon Station with .50 cal MG or MK19 40mm

Mobile Gun System

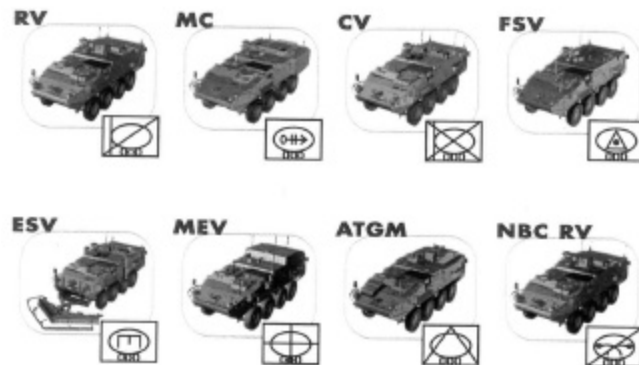
(MGS)

- LAV III Chassis
- Low Profile Turret
- M68A1 Cannon w/Autoloader
- Full Solution Fire Control



Brigade Configuration

• ICV = Infantry Carrier Vehicle	108
• RV = Reconnaissance Vehicle	48
• MC = Mortar Carrier	36
• CV = Commander's Vehicle	39
• FSV = Fire Support Vehicle	13
• ESV = Engineer Squad Vehicle	9
• MEV = Medical Evacuation Vehicle	17
• ATGM = Anti-Tank Guided Missile	9
• NBC RV = Nuclear Biological Chemical Reconnaissance Vehicle	3
• MGS = Mobile Gun System	27



What the IAV-Equipped IBCT brings to the U.S. Army

Contrasted to Light Brigades:

Combat Power:
IBCT >>>>> than Light BDE

Survivability:
IAV - 14.5mm AP Protection/152 mm Airburst
Add on Armor Protects Against RPG
Light Infantry – Body Armor

Movement:
IAV 60 MPH Max Speed
Light 3.1 MPH on Foot, 60 MPH on Trucks
(When Augmented)

Mobility:
IBCT – Self Supporting
Light – Augment with
Approximately 350 Trucks
For a Brigade Lift

Contrasted to Force XXI Heavy Brigades:

Reliability:
(Mean Miles Between Critical Failures)
IAV 1000
HVY 654

Movement:
IBCT 60 MPH Max Speed
HVY 40 MPH Max Speed

O&S Costs:
IAV \$4.7M /BDE/YR
HVY \$7.6M /BDE/YR

Logistics Footprint:
IBCT--382 Man BSB
HVY-- 955 Man FSB

Transportability: Deployable in 96 Hrs
IAV – C130 Transportable, HVY – N/A
IAV--212 C-17 Missions, HVY BDE--430

Support Vehicles:
IBCT – Self Supporting
HVY Requires:
- 27 M88
- >132 HETs

IAV in IBCT Supports Army Transformation Imperatives:

- **More Lethal & Survivable Than Light Brigades**
- **More Deployable & Supportable Than Heavy Brigades**

Doctrine

Armor

FM 17-96
FM 17-97-1
FM 17-98-2
FM 17-15-1
ARTEP 17-95F-40
ARTEP 17-97F-30
ARTEP 17-97F-10
ARTEP 17-97F-11

Infantry

FM 7-4
FM 7-5
FM 7-12
FM 7-22
FM 7-32
FM 7-90
FM 7-91
FM 23-10
ARTEP 7-4
ARTEP 7-5
ARTEP 7-12
ARTEP 7-22
ARTEP 7-32
ARTEP 7-91
ARTEP 7-90

Signal

FM 11-2
ARTEP 11-3

Field Artillery

FM 3-13
BST 6-20-40
ST 6-3-1

CASCOM

FM 4-93.7
FM 8-10-1
ARTEP 63-106
ARTEP 43-107-30
ARTEP 63-106-30
ARTEP 8-BSMC

Intel

FM 34-80-2/ST
ARTEP 34-143-30
ARTEP 34-117-30

Chemical

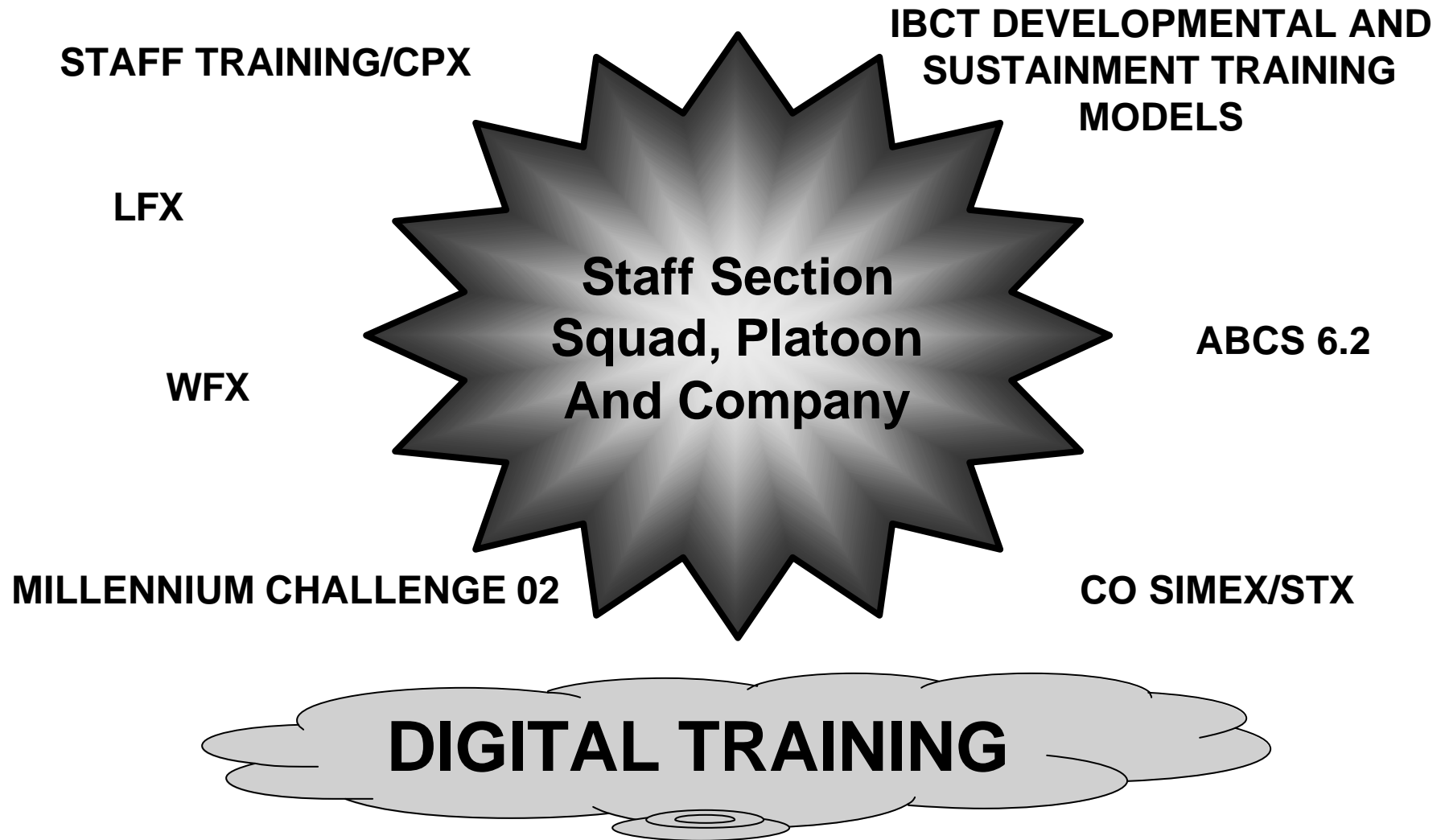
FM 3-100-1
FM 3-19-X
FM 3-101
ARTEP 3-207-10
ARTEP 3-219-D60

Engineer

FM 5-2
ARTEP 5-63-35
ARTEP 5-063-10
ARTEP 5-063-11



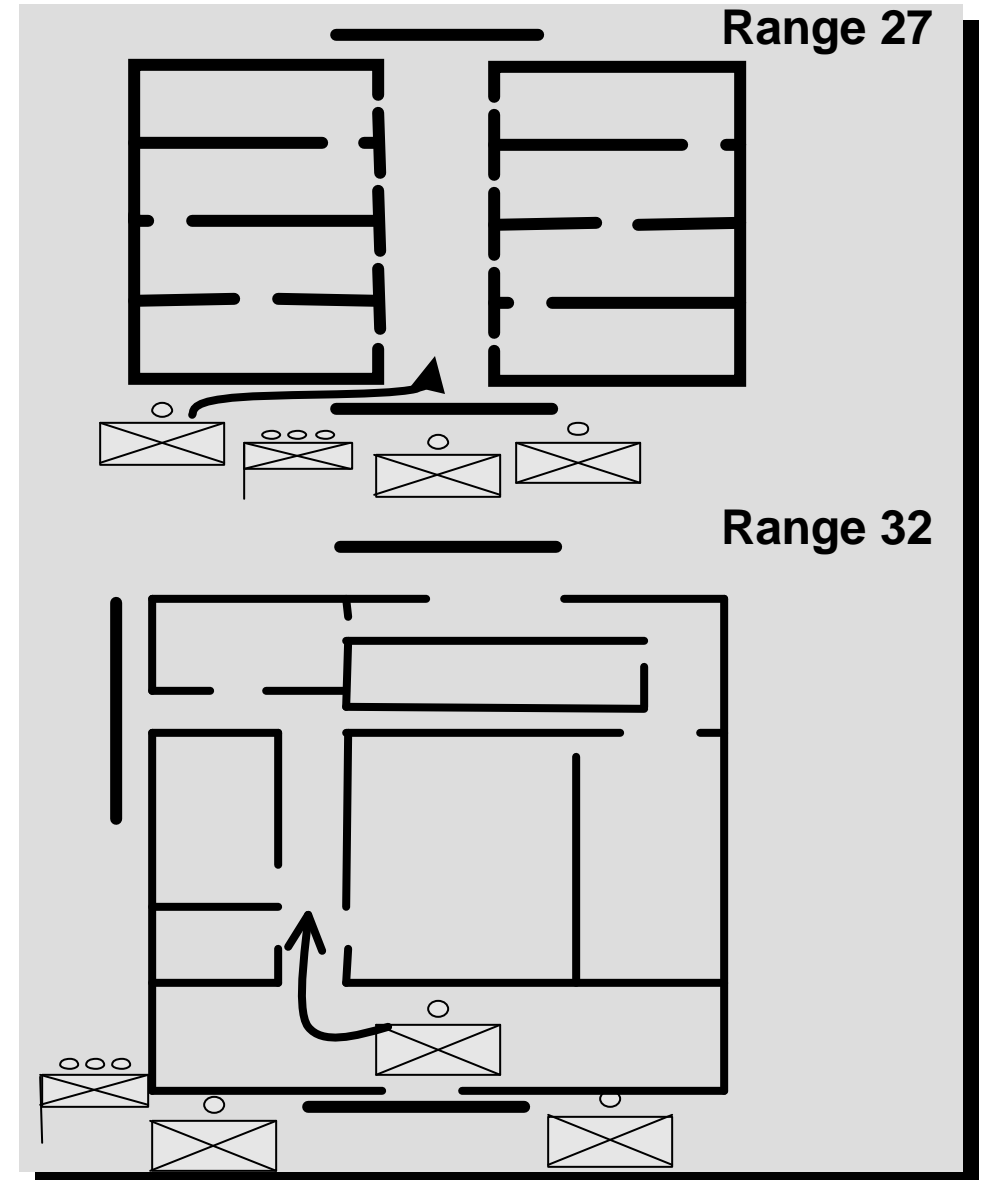
Training



Clear Rooms/Building LFX

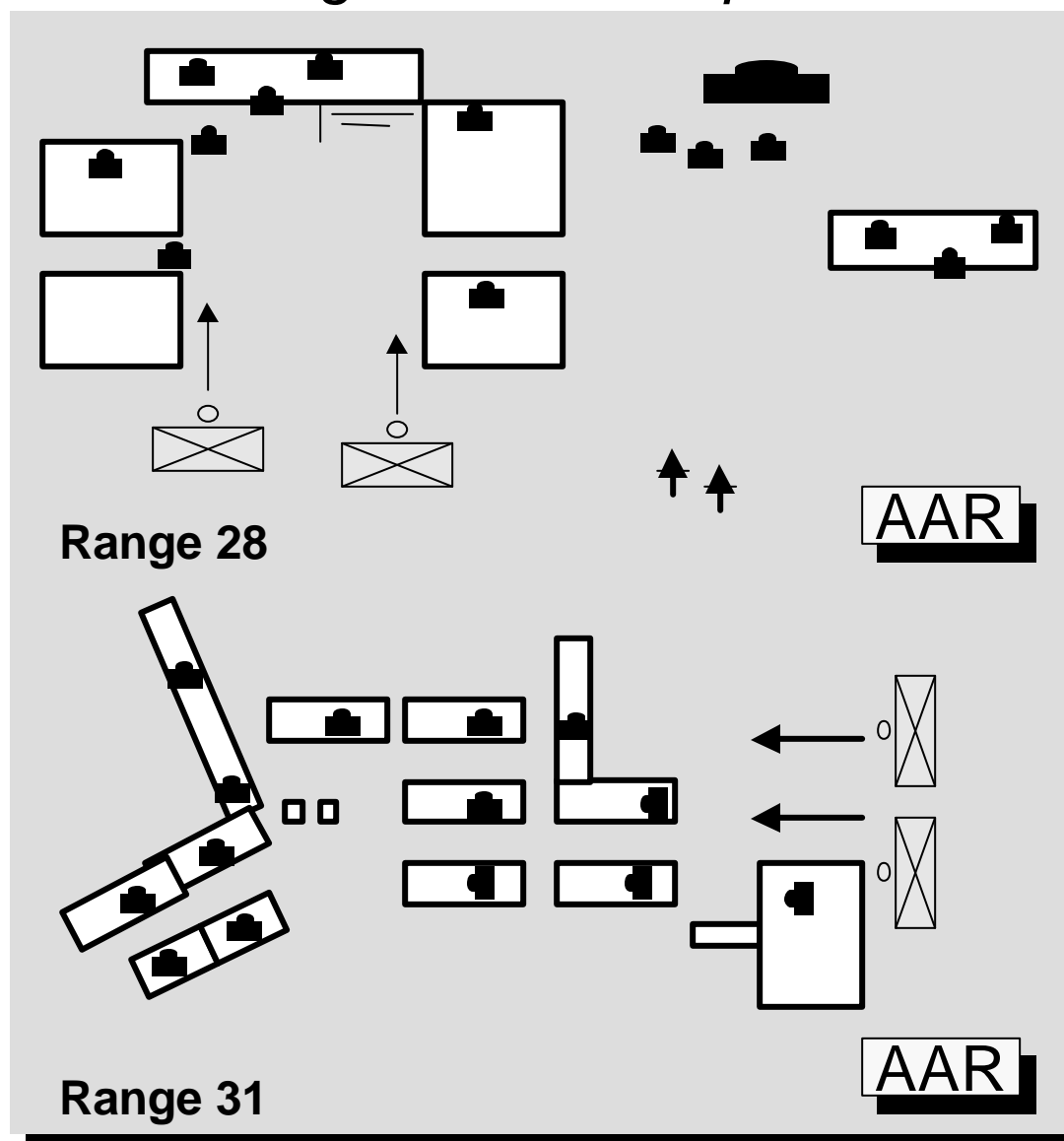
Range 27 & 32

- **Training Objectives**
 - Clear Building
(multi-team, multi-room)
- **Scenario**
 - Rooms occupied by threat forces
 - Platoon task is to clear building of threat forces
- **O&O Capabilities/Conditions**
 - Precision Fires
 - Casualty Evacuation
 - ROE
 - Urban Terrain
- **Evaluation**
 - Cdr, 1SG, & PL/PSG
 - Informal AAR Outside



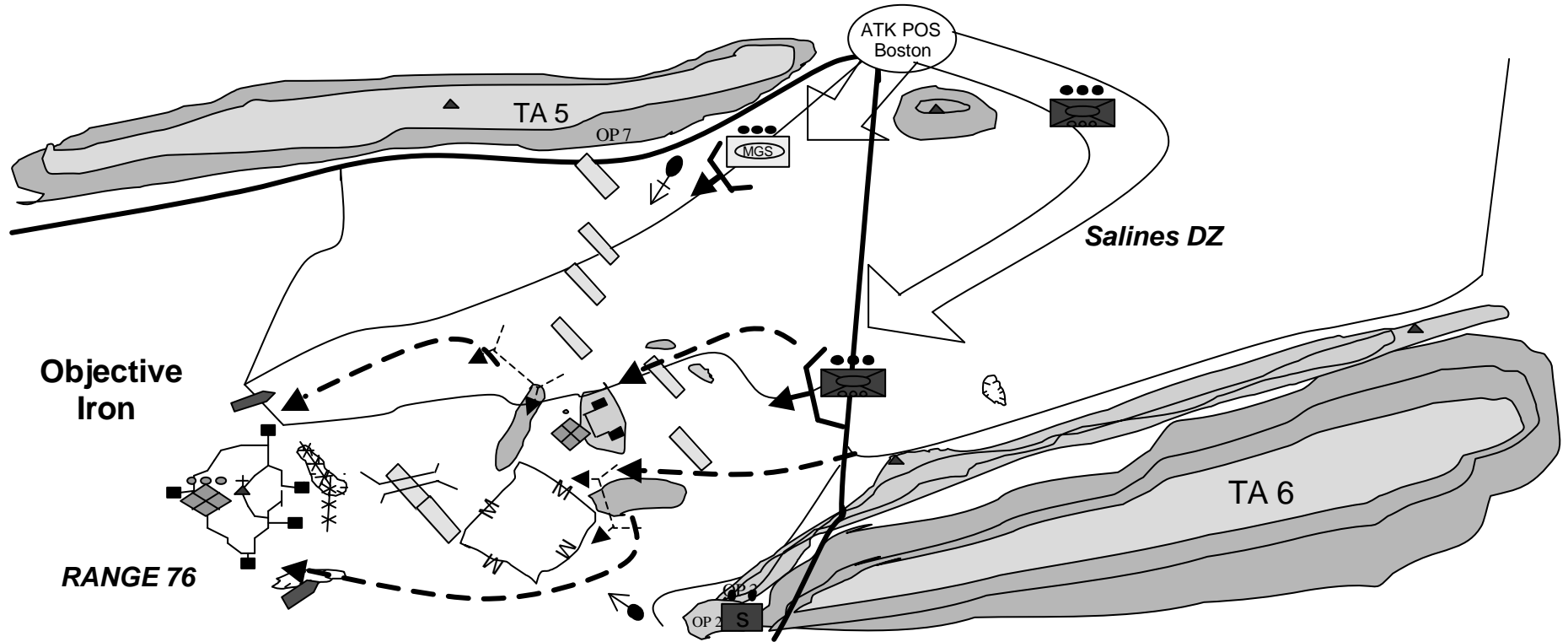
Urban React to Contact LFX

Range 28 & 31: Squad / Section Technique Trainer



- **Training Objectives**
 - Move Tactically--Urban
 - React to Contact--Urban
 - Enter & Clear Building
 - Treat / Evac Casualties
- **Scenario**
 - SPF terrorizing town
 - Section moving to OBJ in subsequent block
- **STX Situations**
 - Threat snipers
 - Threat squad
- **O&O Capabilities/Conditions**
 - SA (Urban Layout)
 - Sniper Integration
 - ROE
- **Evaluation**
 - Co Cdr, XO, or 1SG O/C
 - Formal AAR at baseline

Platoon Raid LFX



Training Objectives

- Move Tactically / Mounted Maneuver
- Conduct Initial Breach Mine & Wire Obstacle
- Assault / SBF
- Enter & Clear Trench / Building
- Conduct Day / Night Raid
- Treat / Evacuate Casualties
- CO C2 / CSS
- Direct & Indirect Fire Plan Integration
- CO Sniper & SDM integration
- Operate Tactical Network

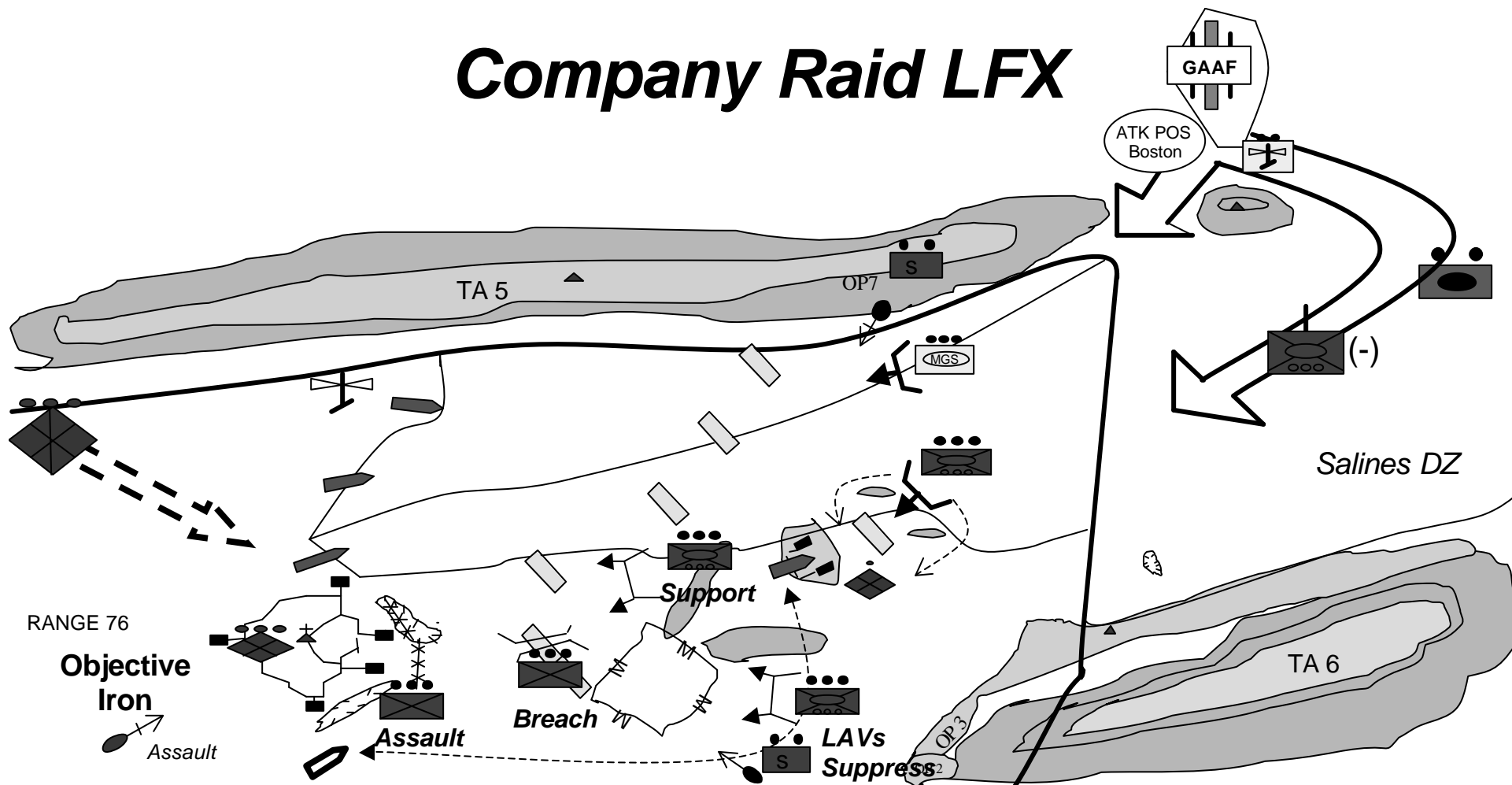
O&O Capabilities / Conditions

- Situational Awareness
- Fire Control / Precision Fires
- CO & SQD Sniper Integration
- Vehicle Integration
- Urban & Complex Terrain

Evaluation

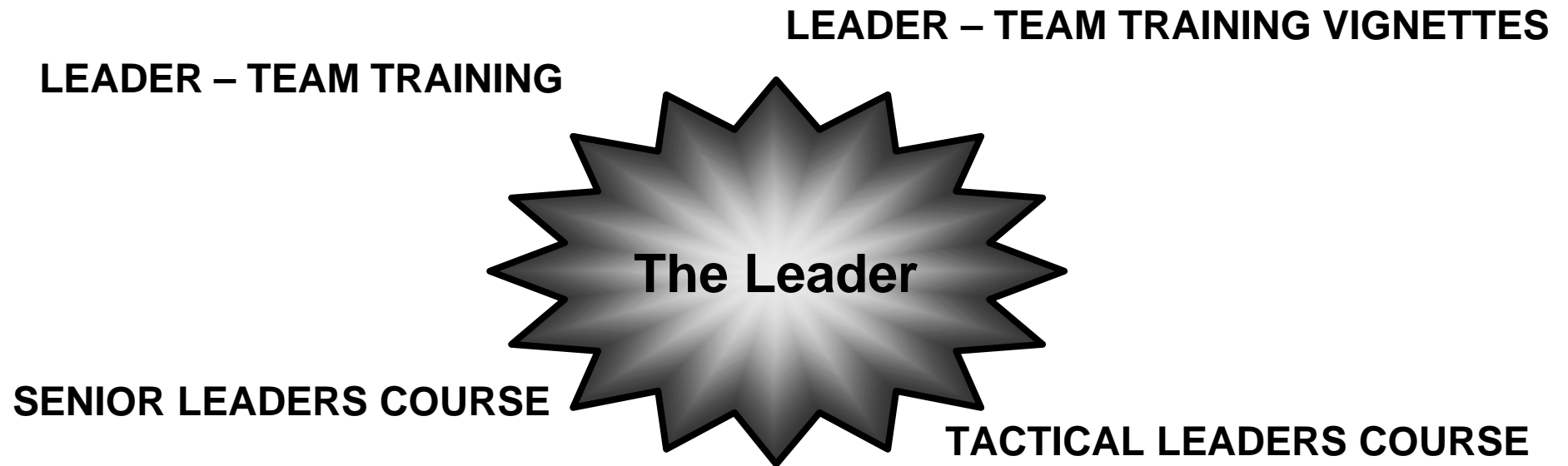
- BN CDR, XO, S-3, CSM O/C
- Formal AAR on Objective

Company Raid LFX



<u>Company Training Objectives</u>	<u>Battalion Training Objectives</u>	<u>O&O Capabilities / Conditions</u>
<ul style="list-style-type: none"> • Conduct Initial Breach of Mine Wire Obstacle • Assault / SBF • Enter & Clear Trench / Building • Conduct Day / Night Raid • Direct & Indirect Fire Plan Integration 	<ul style="list-style-type: none"> • Control Air Assets • BHO w/Early Entry Forces • BDE Lethal Effects / CSS • RSTA UAV • Establish Network 	<ul style="list-style-type: none"> • Situational Awareness (UAV & Recon PLT) • Fire Control (CAS, Artillery, Mortars, AC-130) • Precision Engagements (BN & CO Snipers) • CO & SQD Sniper integration • Digital C2

Leaders



NCO COLLEGE EDUCATION COURSES

- LEADERSHIP IN COMBAT (HUMAN DIMENSION)

- REGIONAL STUDIES

Organization

DEFINE INSTALLATION MAINTENANCE REQUIREMENTS FOR IBCT

2-3 IN BN
(16 MAR 01)

1-23 IN BN
(16 SEP 00)

209 MI CO
(16 SEP 00)

Organization,
Reorganization,
Manning,
And Activation

5-20 IN BN
(16 SEP 00)

HHC BDE
(16 SEP 00)

18 EN CO
(16 SEP 00)

334 SC CO
(16 SEP 00)

1-37 FA BN
(16 SEP 00)

1-14 RSTA
(16 SEP 00)

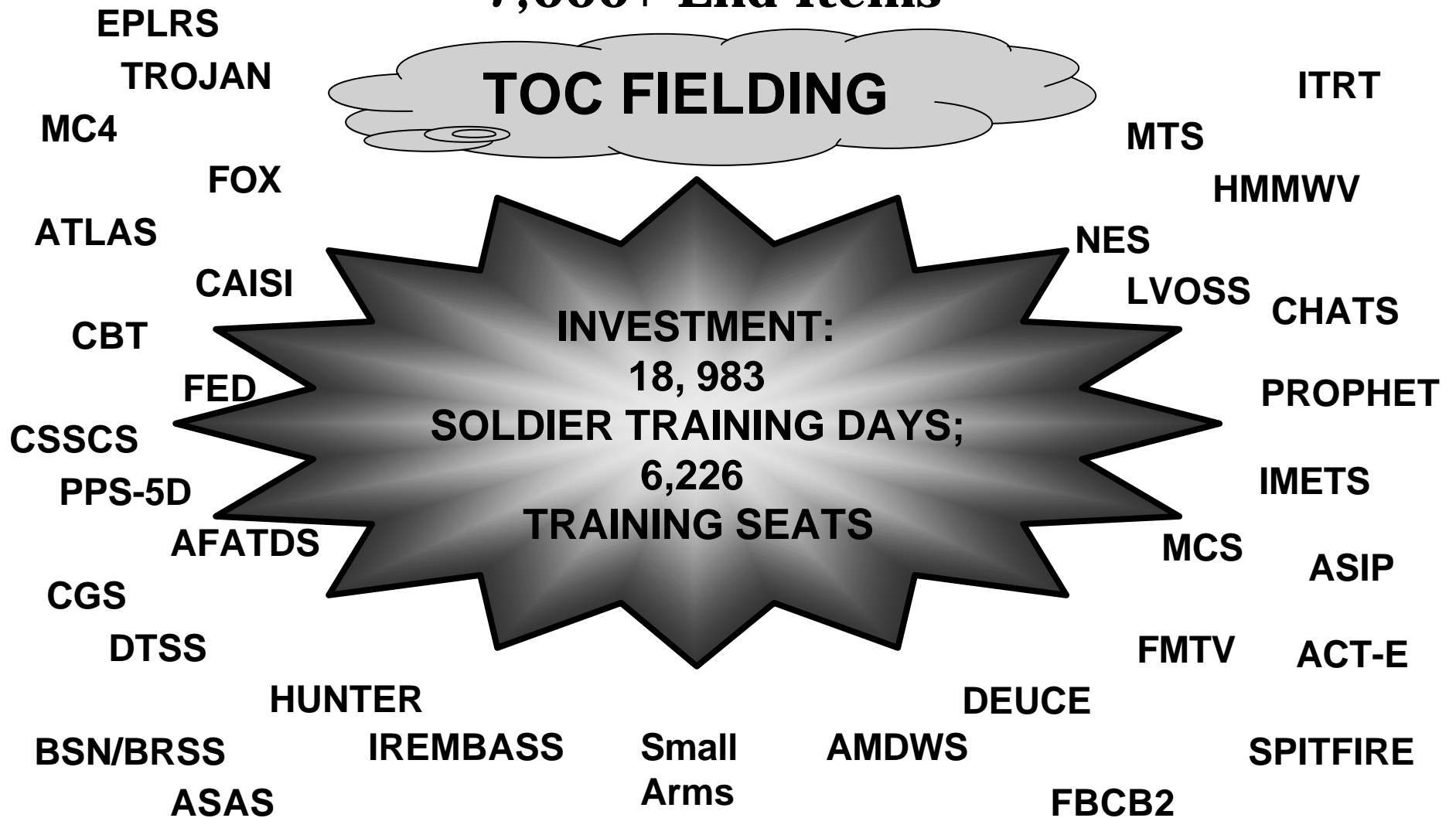
C/52 AT CO
(16 SEP 00)

NOVEMBER FY00 DART @ FLWA

Materiel

MAY 00 THROUGH 31 MAR 01: 47 SYSTEMS

7,000+ End Items



Soldiers

A MULTI-DIMENSIONAL SOLDIER

- ✓ **INDIVIDUAL WEAPONS QUALIFICATION**
- ✓ **COMBATIVES & PHYSICAL TRAINING**
- ✓ **FIELD CRAFT**
- ✓ **NEW EQUIPMENT TRAINING**
 - 47 SYSTEMS & 7000+ END ITEMS
 - 18,900+ SOLDIER TRAINING DAYS
 - 6,200+ TRAINING SEATS
- ✓ **DESIGNATED SKILLS TRAINING**
 - SNIPER
 - COMBAT LIFESAVER
 - DIGITAL OPERATOR
- ✓ **CONSTRUCTIVE SIMULATIONS >> SOLDIERS AS LEADERS**
- ✓ **INVOLVED IN AFTER ACTION REVIEWS >> LEADER UNDERSTANDING**

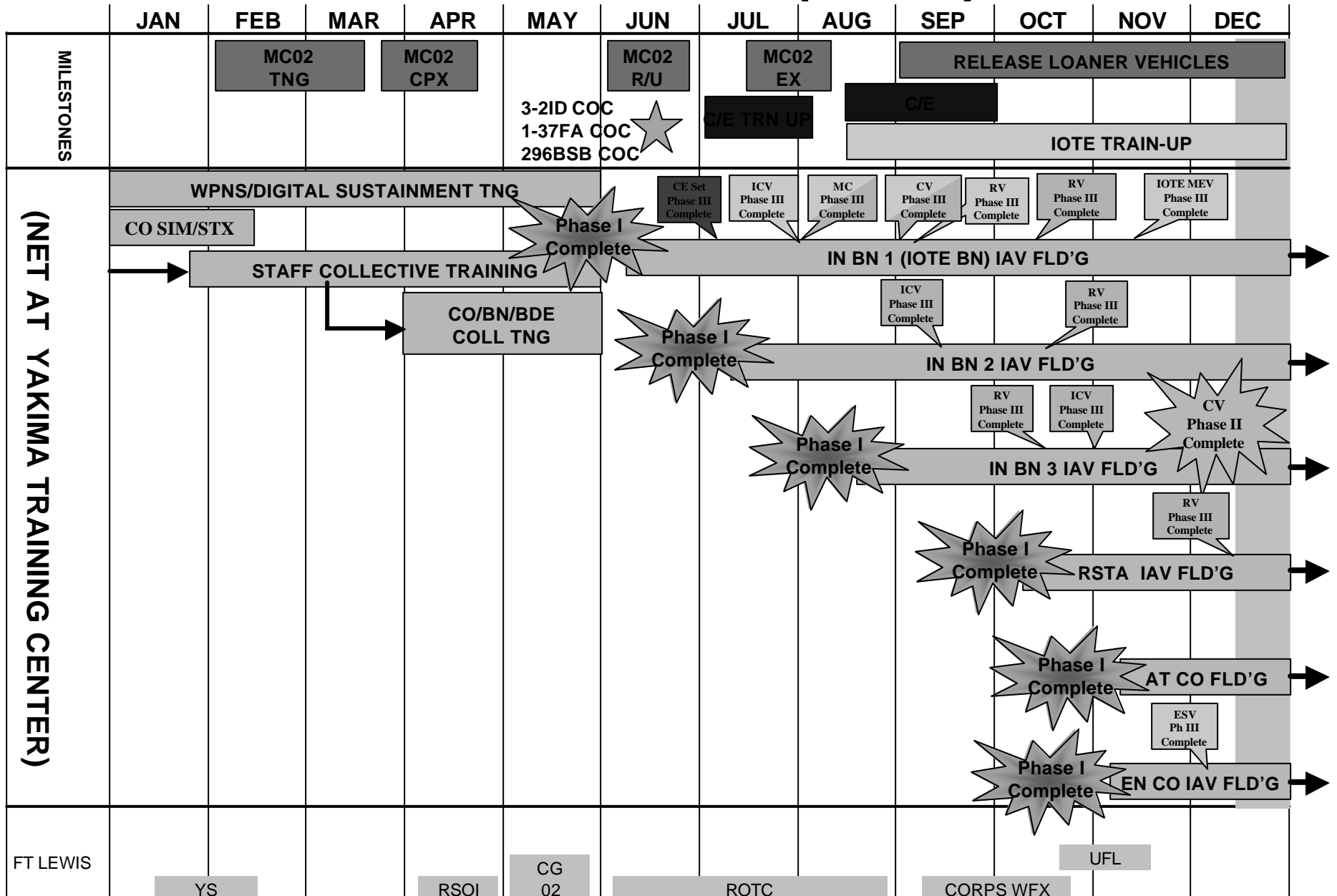


It's the Soldier SIR!

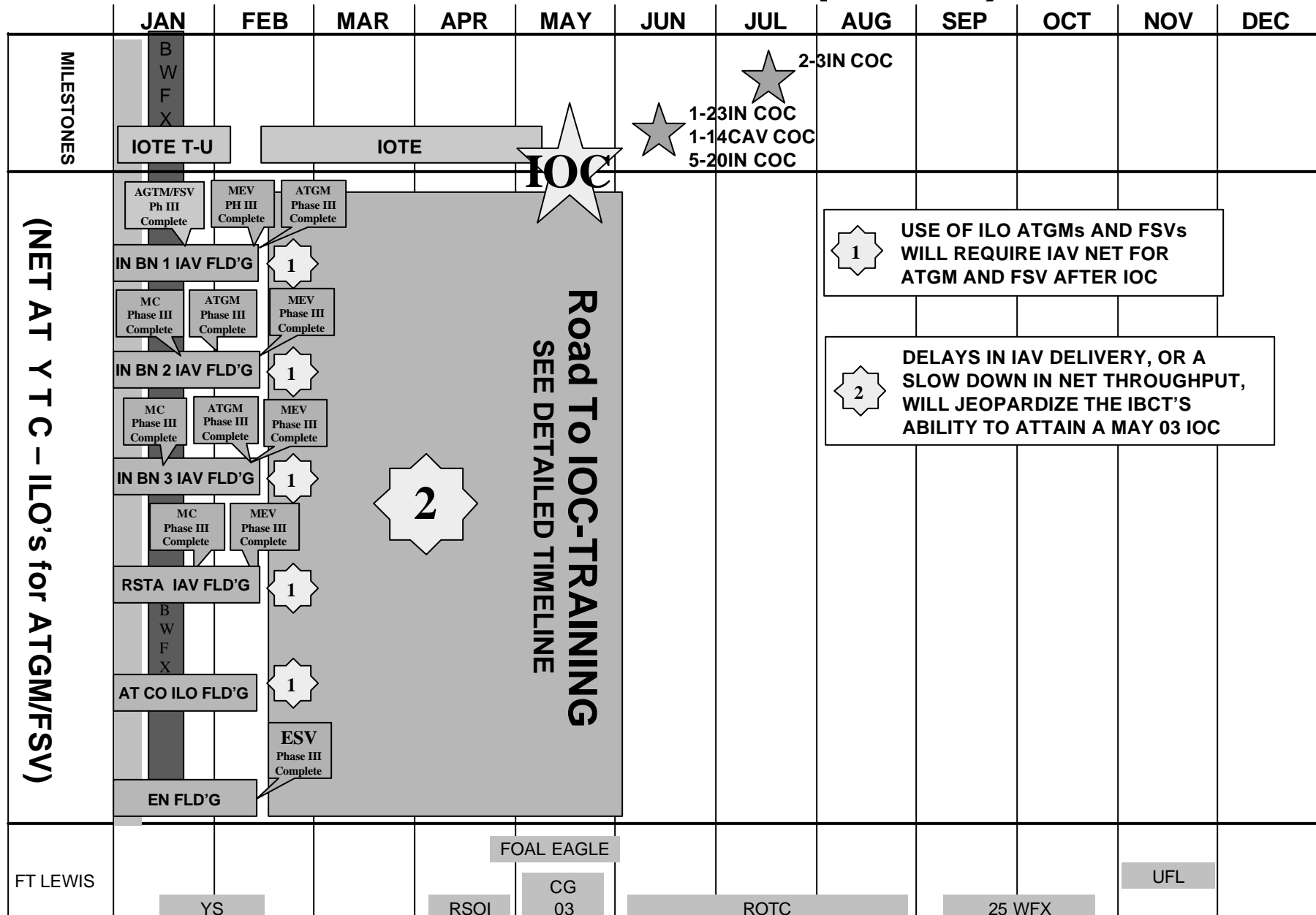
3RD BDE, 2ND ID (CY01)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MILESTONES			★ 2-3ID ACT		★	★ 5-20IN COC ★ 1-23IN COC ★ 1-14CAV COC						
(NET AT YAKIMA TRAINING CENTER)		WPNS TNG				SQD/PLT/CO TNG		WPNS DIGITAL SUSTAINMENT TNG				
									LDR TNG >CO SIM/STX			
			EFMB		TODAY ★	EIB	SLC/TLC					
				TOC FIELDING/NET								
							BLK LV					
			I CORPS HICON TRAINING									
					EIB							
FT LEWIS		YS			CG 01				UFL			
						ROTC					25ID WFX	
											J R T C S P T	BLK LV

3RD BDE, 2ND ID (CY02)



3RD BDE, 2ND ID (CY03)



Bottom Line

- ❑ Transformation is happening at Ft. Lewis**
- ❑ Ft. Lewis/FORSCOM/TRADOC/AMC teaming**
- ❑ Materiel developers and fielders - partners in Transformation**
- ❑ Soldiers are positive and enthusiastic**
- ❑ Leaders are innovative**



**Army fully engaged to produce
relevant and lethal Brigade
Combat Teams**



IBCT



<http://www.lewis.army.mil/transformation/>

