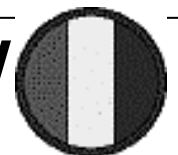




IBCT



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

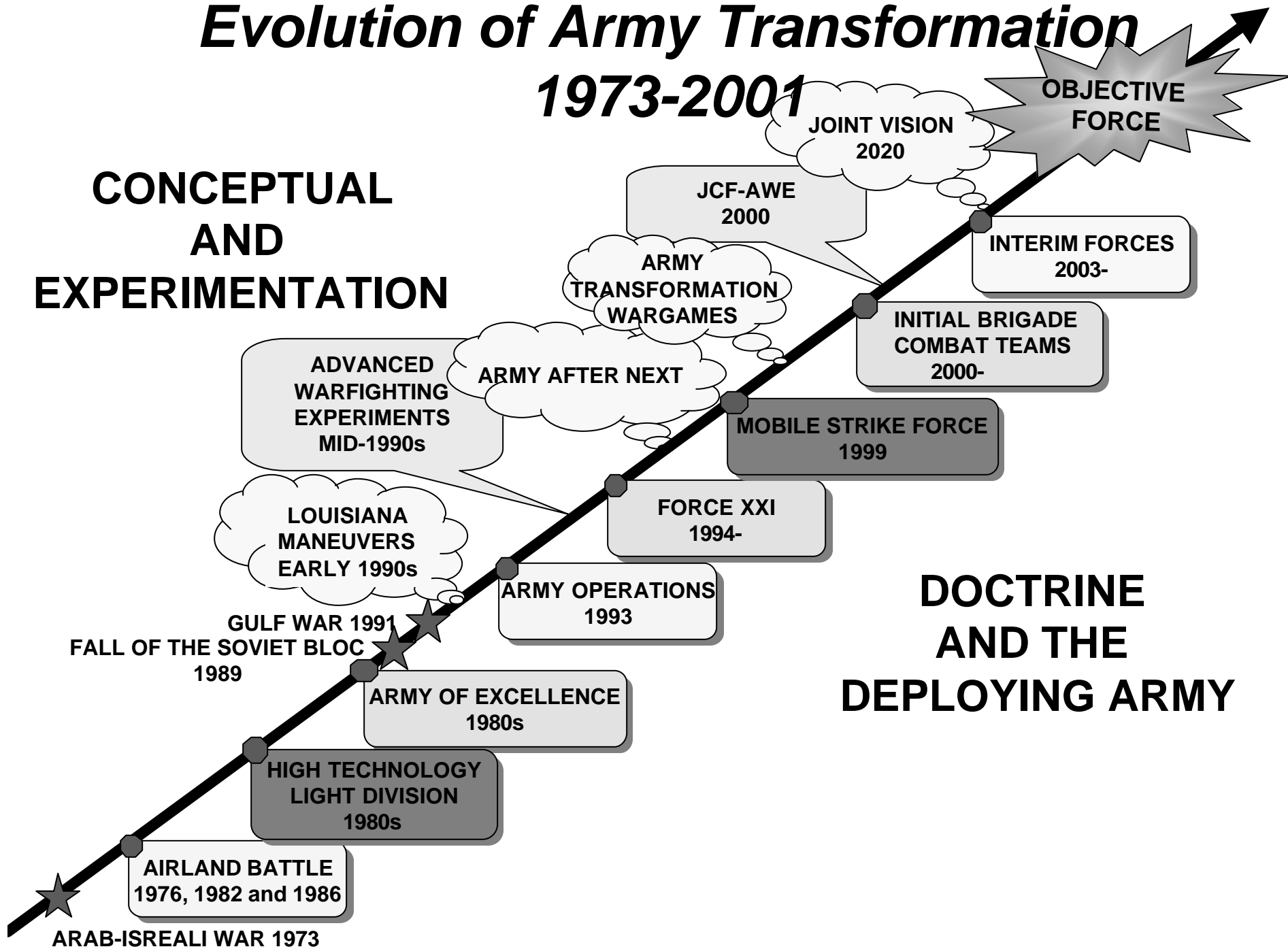


Report Documentation Page		
Report Date 18JUN2001	Report Type N/A	Dates Covered (from... to) -
Title and Subtitle IBCT	Contract Number	
	Grant Number	
	Program Element Number	
Author(s)	Project Number	
	Task Number	
	Work Unit Number	
Performing Organization Name(s) and Address(es) Unknown	Performing 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

**CONCEPTUAL
AND
EXPERIMENTATION**



**DOCTRINE
AND THE
DEPLOYING ARMY**

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

Full Spectrum Challenges

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

Humanitarian Assistance

Show of Force

NEO

Counter Drug

Sanctions Enforcement

Peace Enforcement

Regional Conventional Conflict

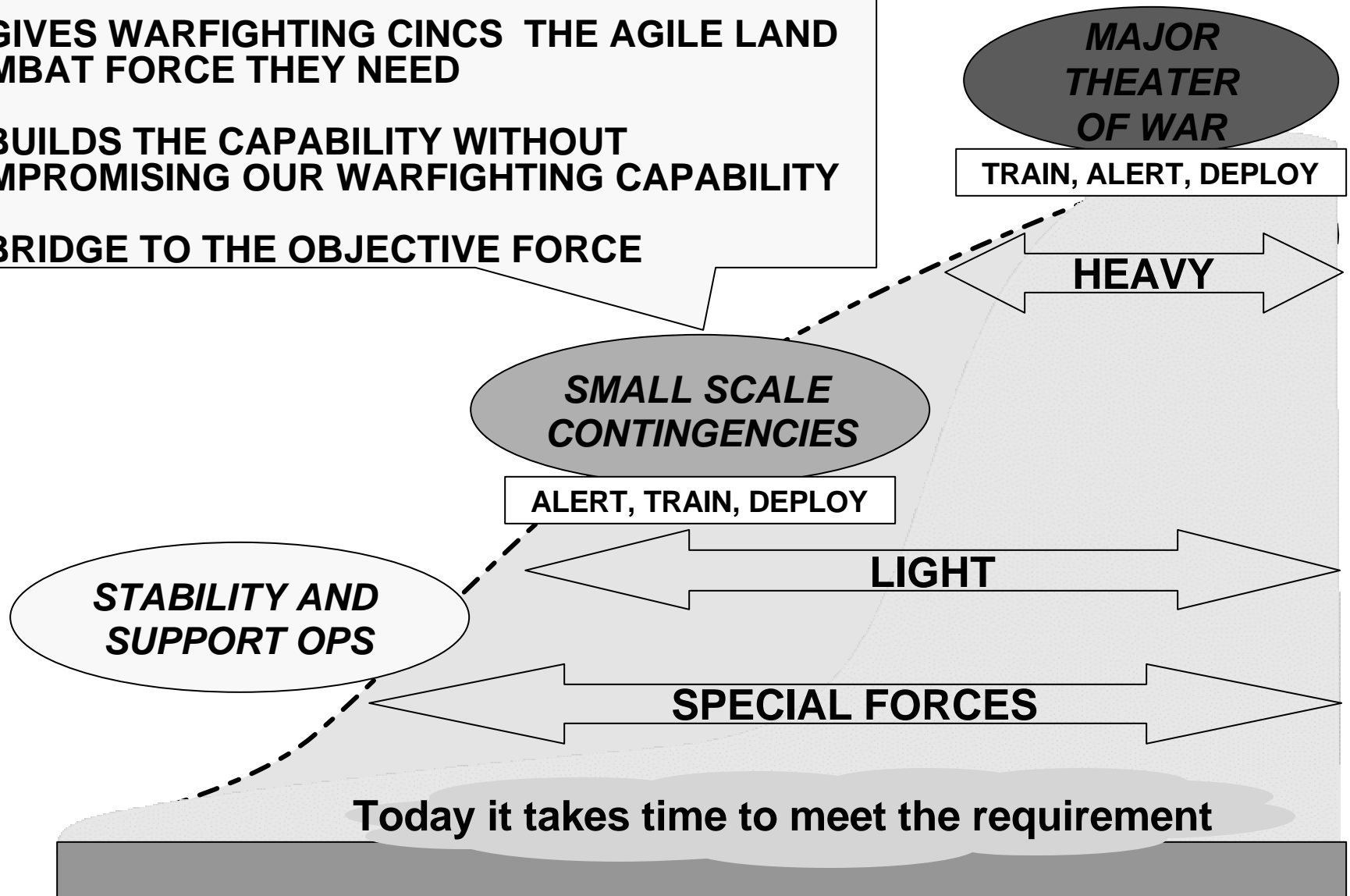
REQUIRE:

- 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



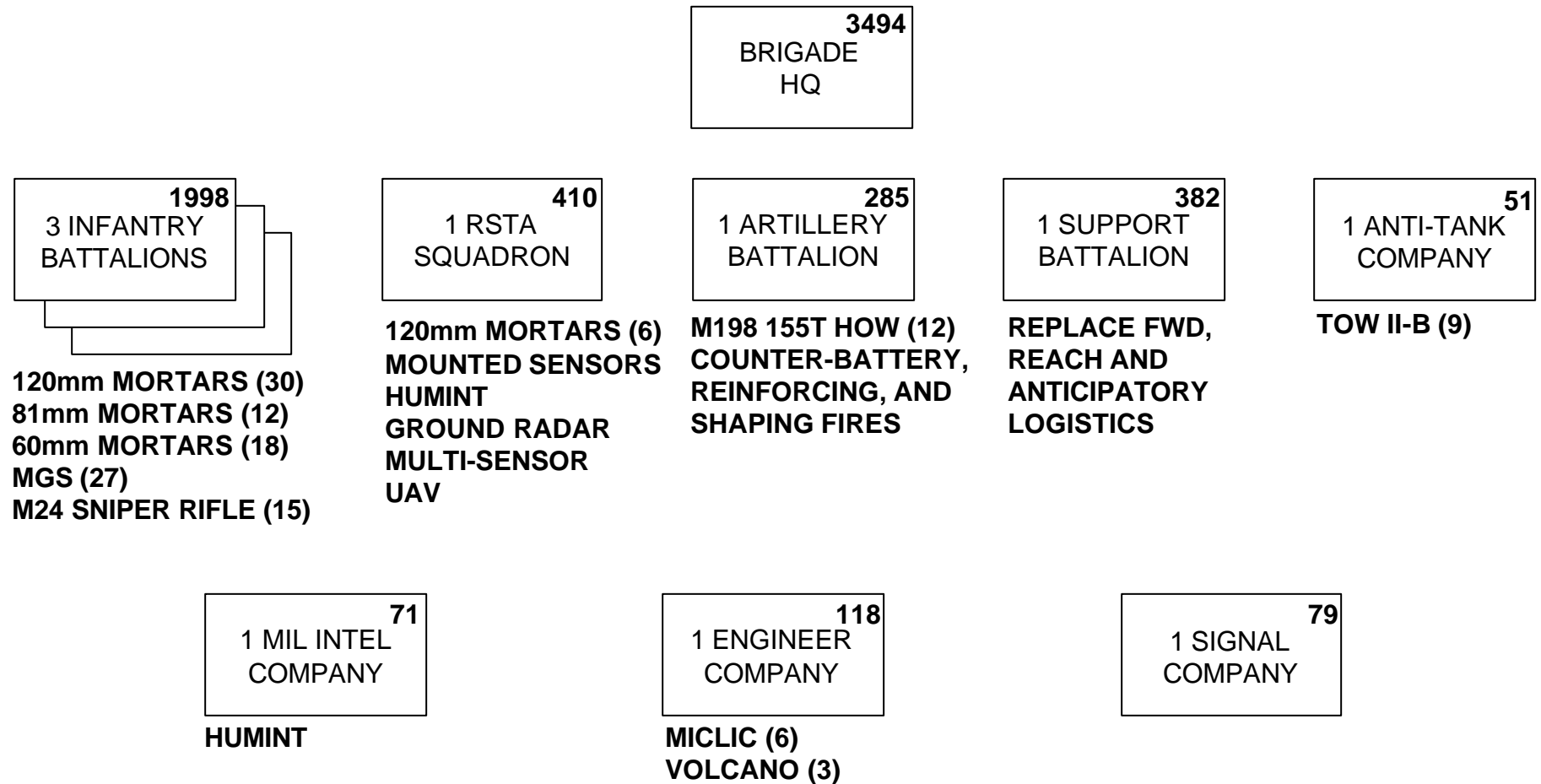
***Endgame: The Betrayal and
Fall of Srebrenica, Europe's Worst
Massacre Since World War II***

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

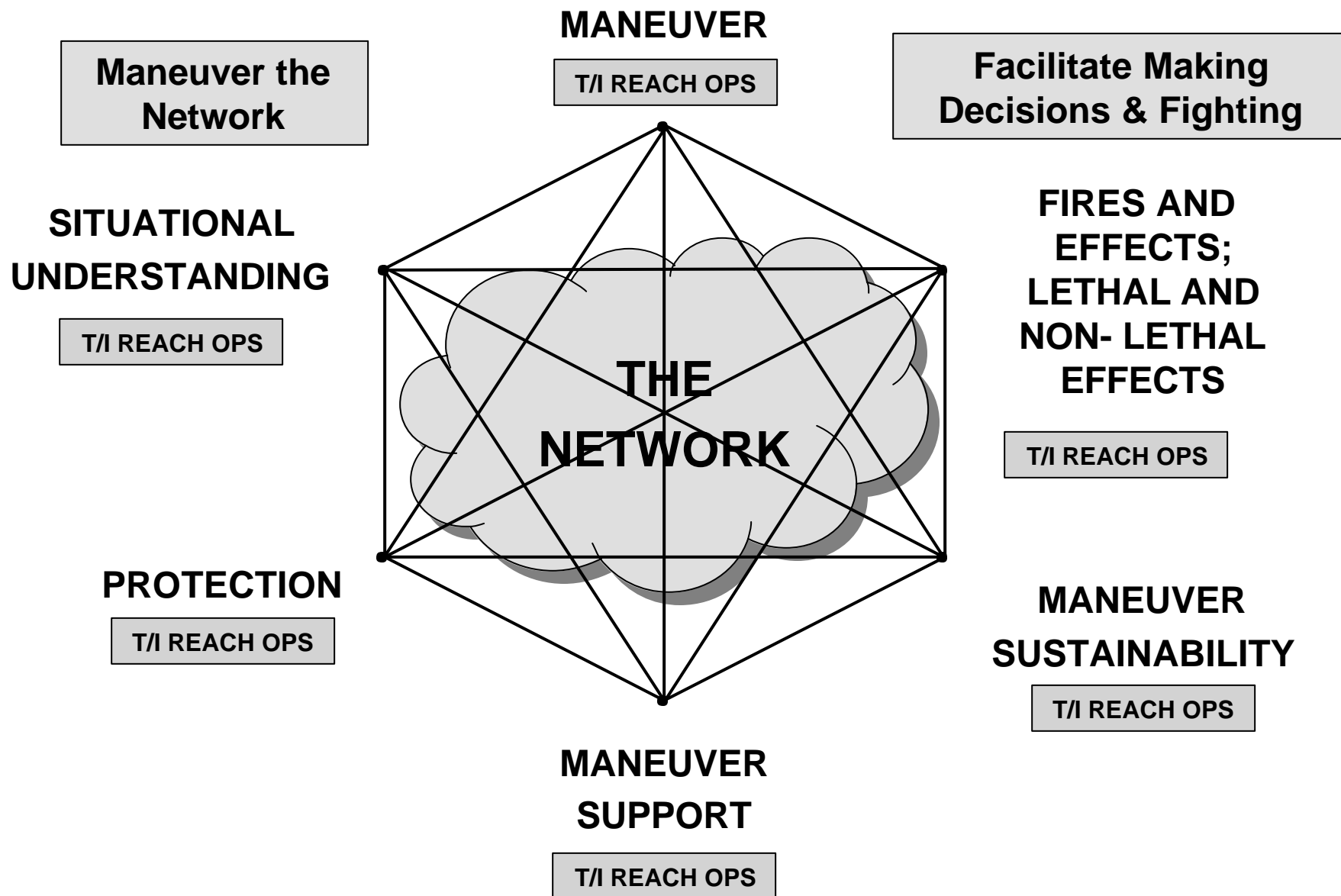
5-20 IN

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

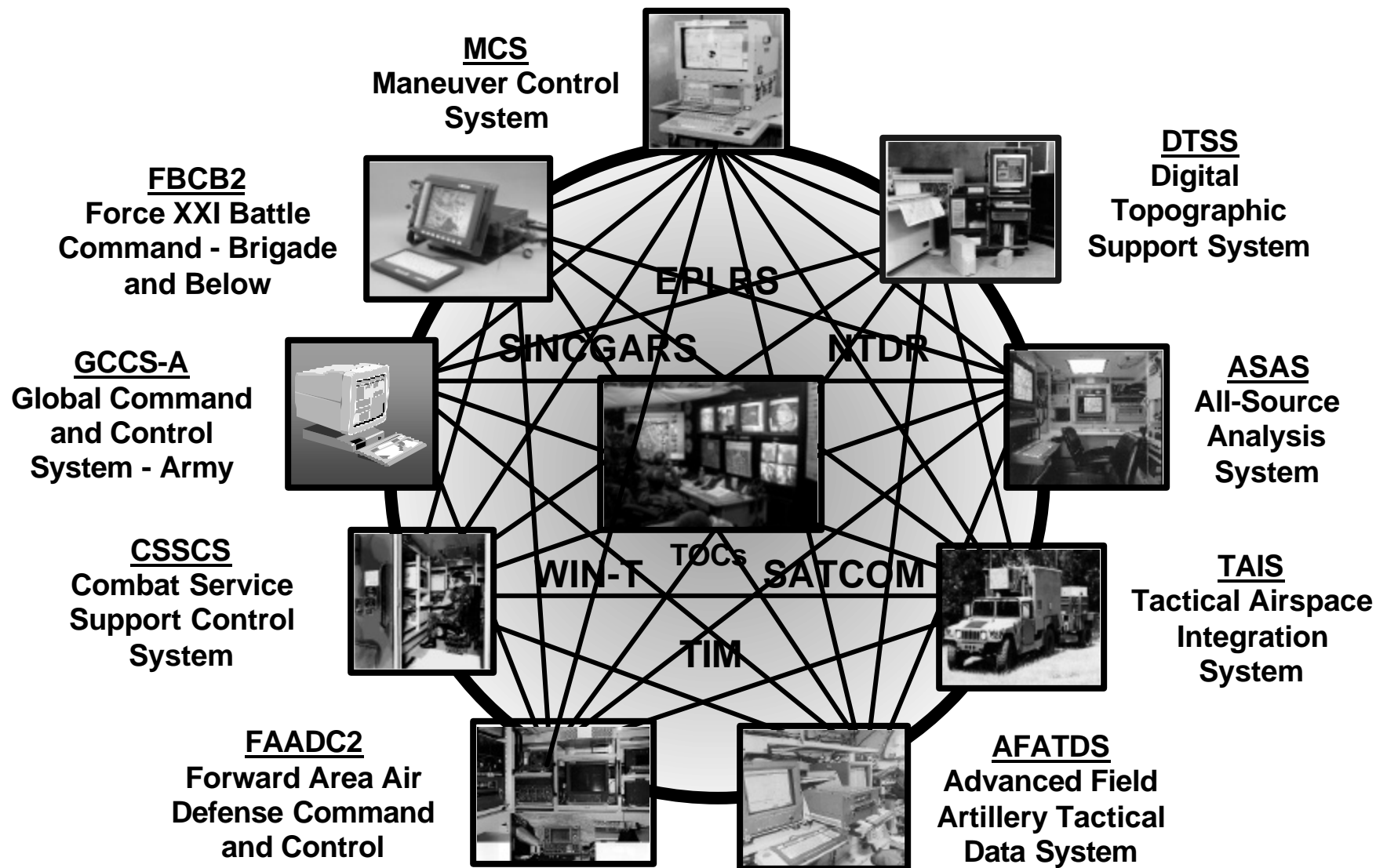
Each IBCT IN BN

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

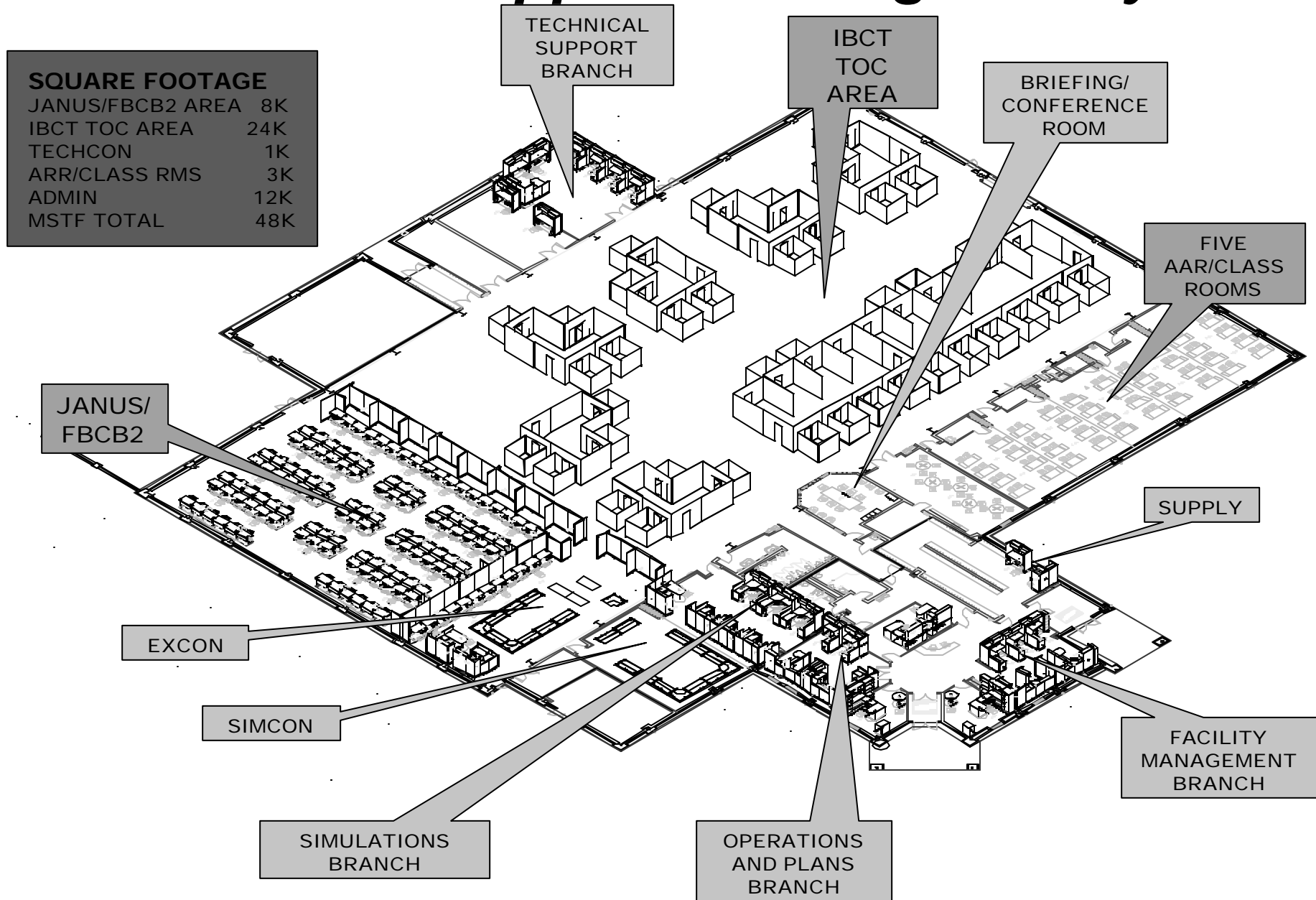
Precision, Internetted, Combined Arms Warfare



C4ISR Fusion



Mission Support Training Facility



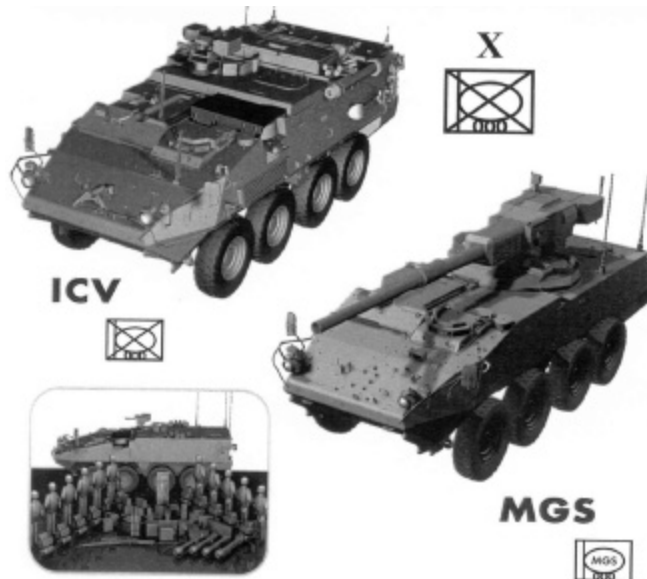
The Selected IAV Family

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

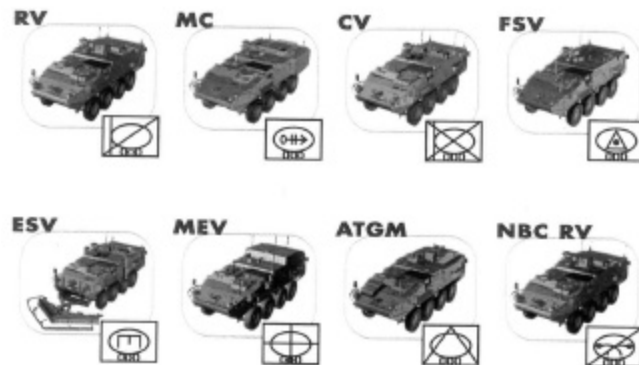
Mobile Gun System (MGS)

- 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



**21 FMs and
25 MTPs:
Company through
Brigade Level**

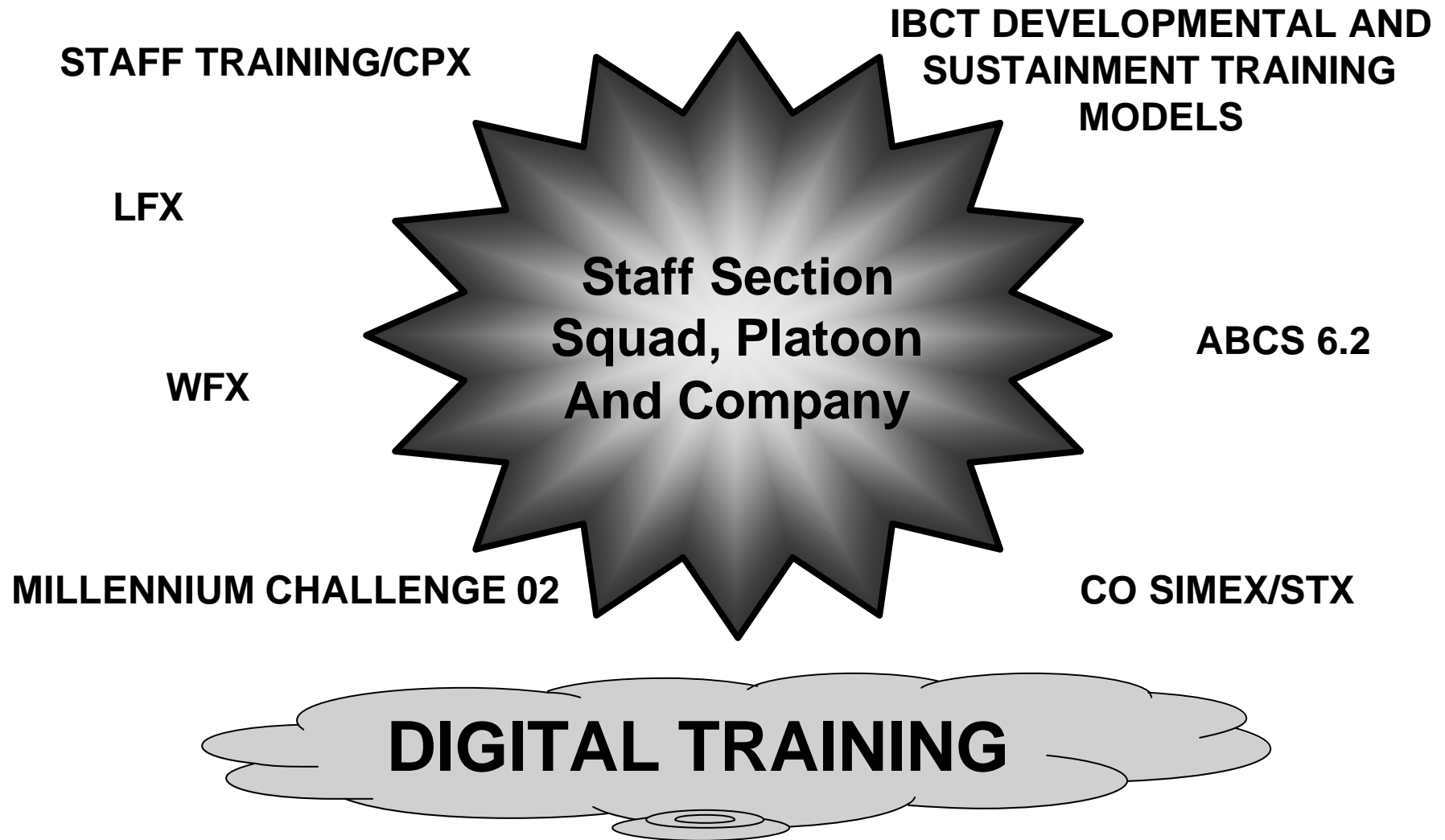
Engineer

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

Chemical

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

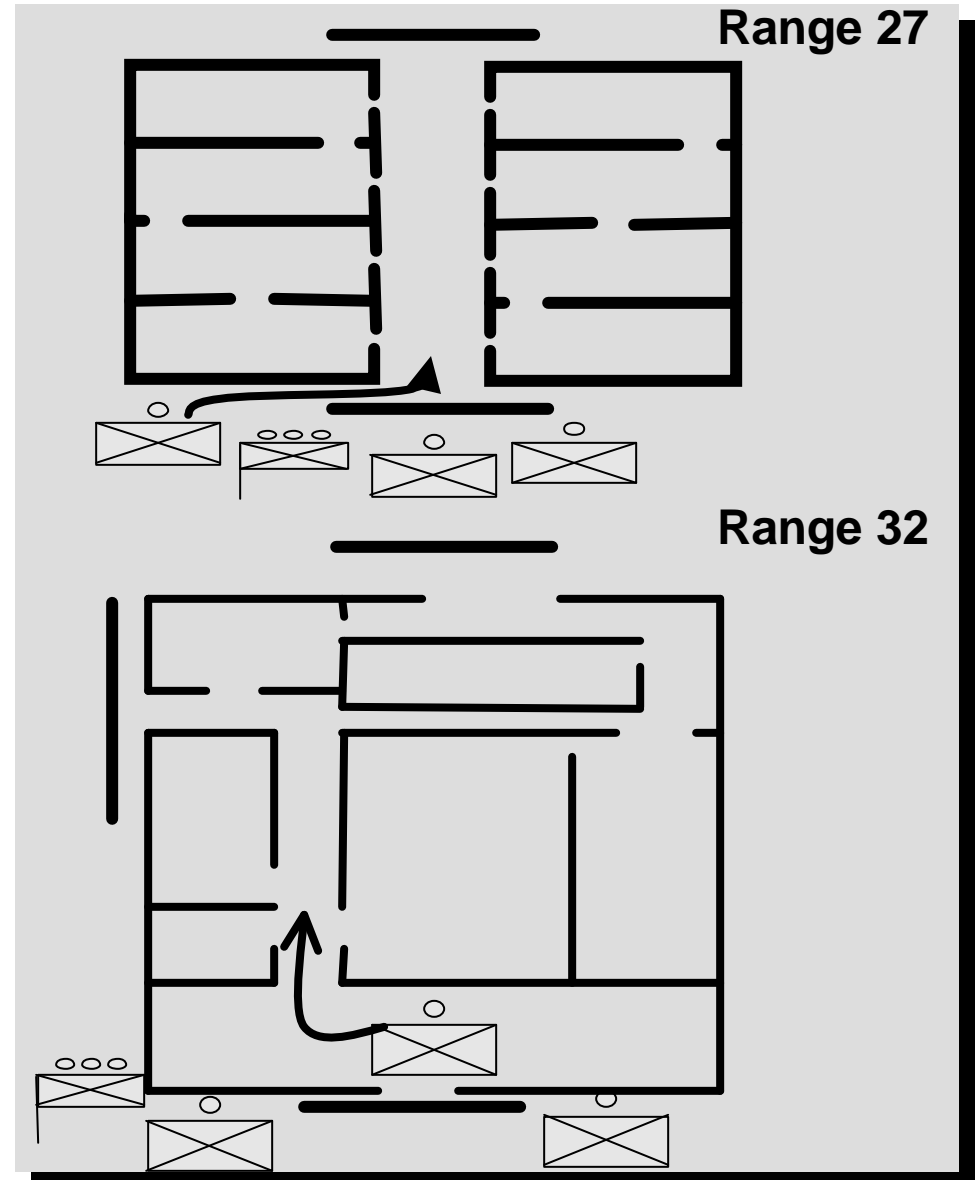
Training



Clear Rooms/Building LFX

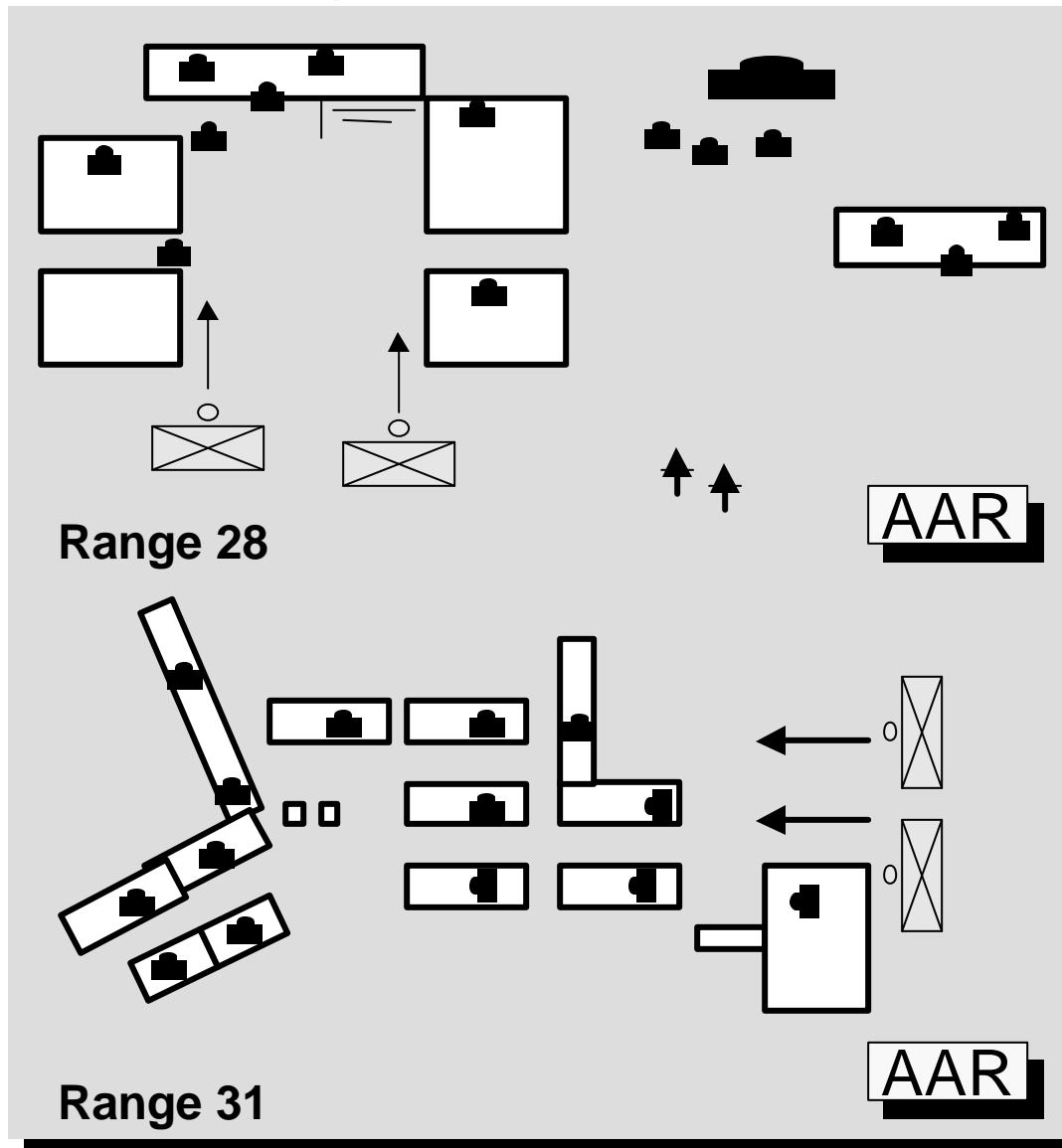
Range 27 & 32

- **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



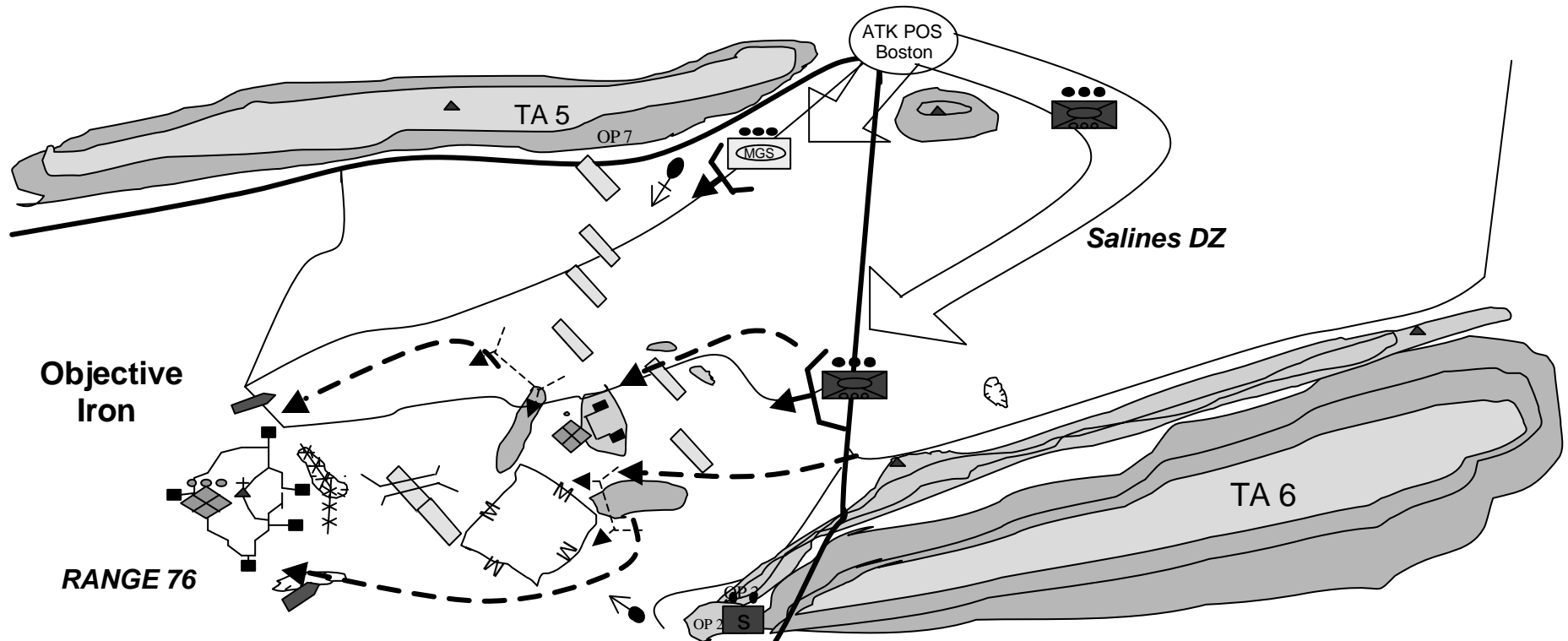
Urban React to Contact LFX

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

Company Raid LFX

The map illustrates a tactical raid route through a mountainous terrain. Key locations and units include:

- TA 5**: A large mountainous area in the upper left.
- TA 6**: A large mountainous area in the lower right.
- Salines DZ**: A designated landing zone in the lower right.
- Objective Iron**: A target area in the lower left, marked with a dashed line and a bomb icon.
- RANGE 76**: A location near the Objective Iron.
- Assault**: A unit or action indicated by a bomb icon.
- Breach**: A unit or action indicated by a bomb icon.
- LAVs**: A unit or action indicated by a tank icon.
- Support**: A unit or action indicated by a tank icon.
- Suppress**: A unit or action indicated by a tank icon.
- GAAF**: A unit or action indicated by a tank icon.
- ATK POS Boston**: A unit or action indicated by a tank icon.
- MGS**: A unit or action indicated by a tank icon.
- OP7**: A unit or action indicated by a tank icon.
- OP3**: A unit or action indicated by a tank icon.
- OP2**: A unit or action indicated by a tank icon.
- OP1**: A unit or action indicated by a tank icon.
- OP0**: A unit or action indicated by a tank icon.

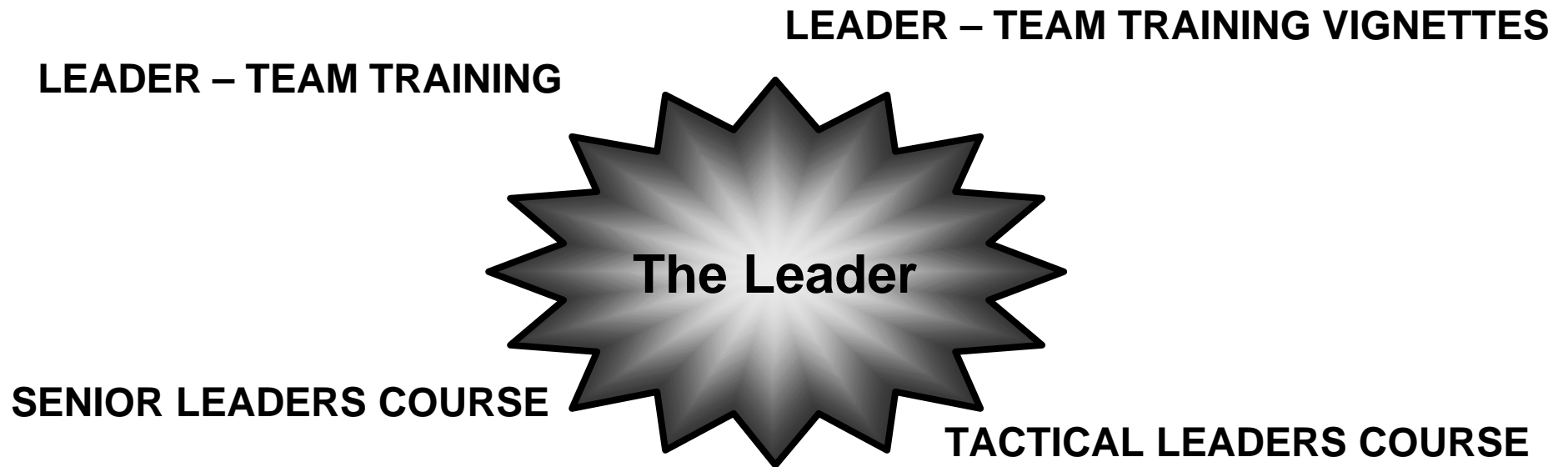
The route is marked with solid and dashed lines, indicating movement and assault paths. A legend at the bottom left defines symbols for Objective Iron and Assault.

- **Conduct Initial Breach of Mine Wire Obstacle**
- **Assault / SBF**
- **Enter & Clear Trench / Building**
- **Conduct Day / Night Raid**
- **Direct & Indirect Fire Plan Integration**

- **Control Air Assets**
- **BHO w/Early Entry Forces**
- **BDE Lethal Effects / CSS**
- **RSTA UAV**
- **Establish Network**

- **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)**

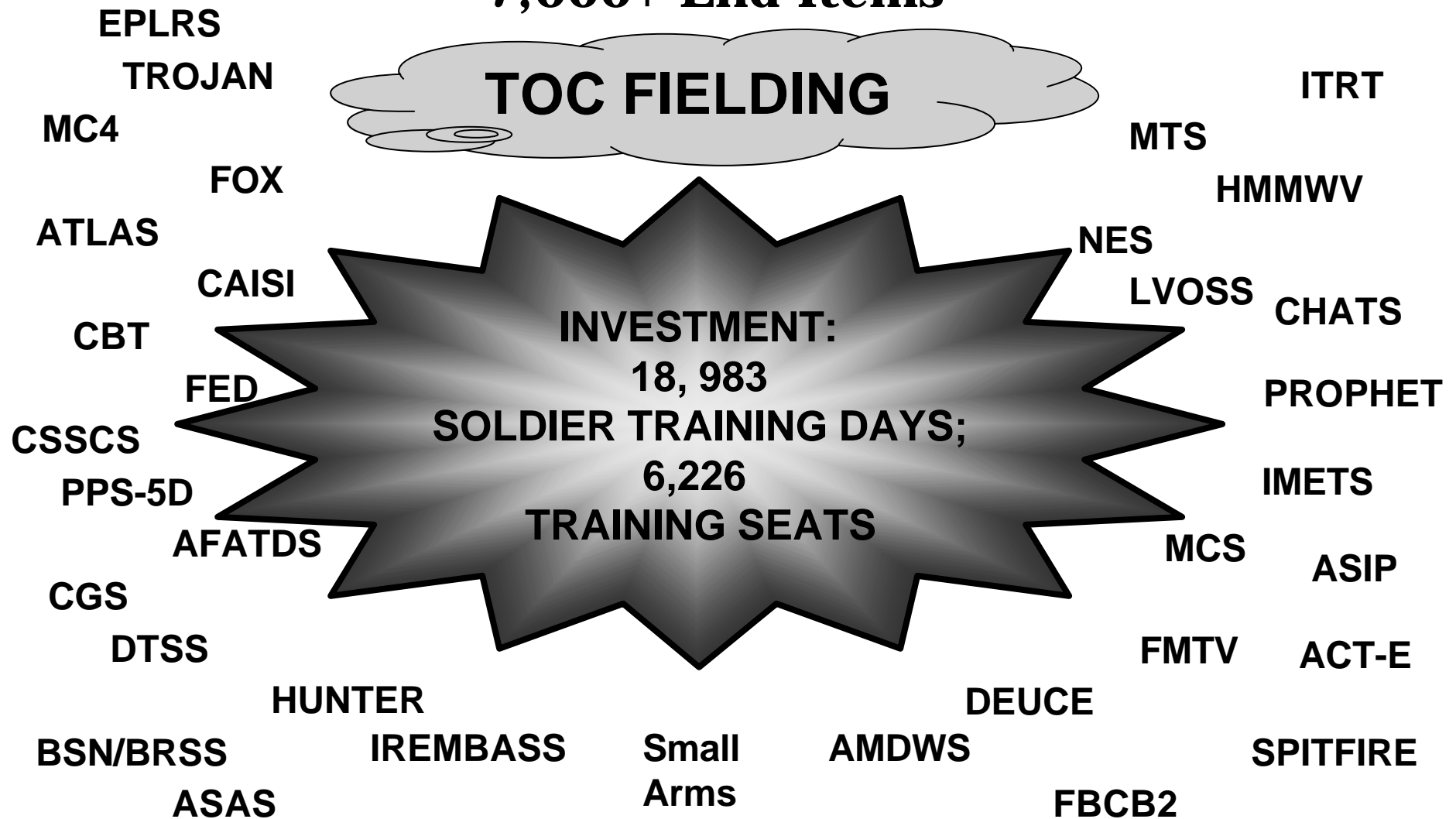
NOVEMBER FY00 DART @ FLWA

Materiel

MAY 00 THROUGH 31 MAR 01: 47 SYSTEMS

7,000+ End Items

TOC FIELDING



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**

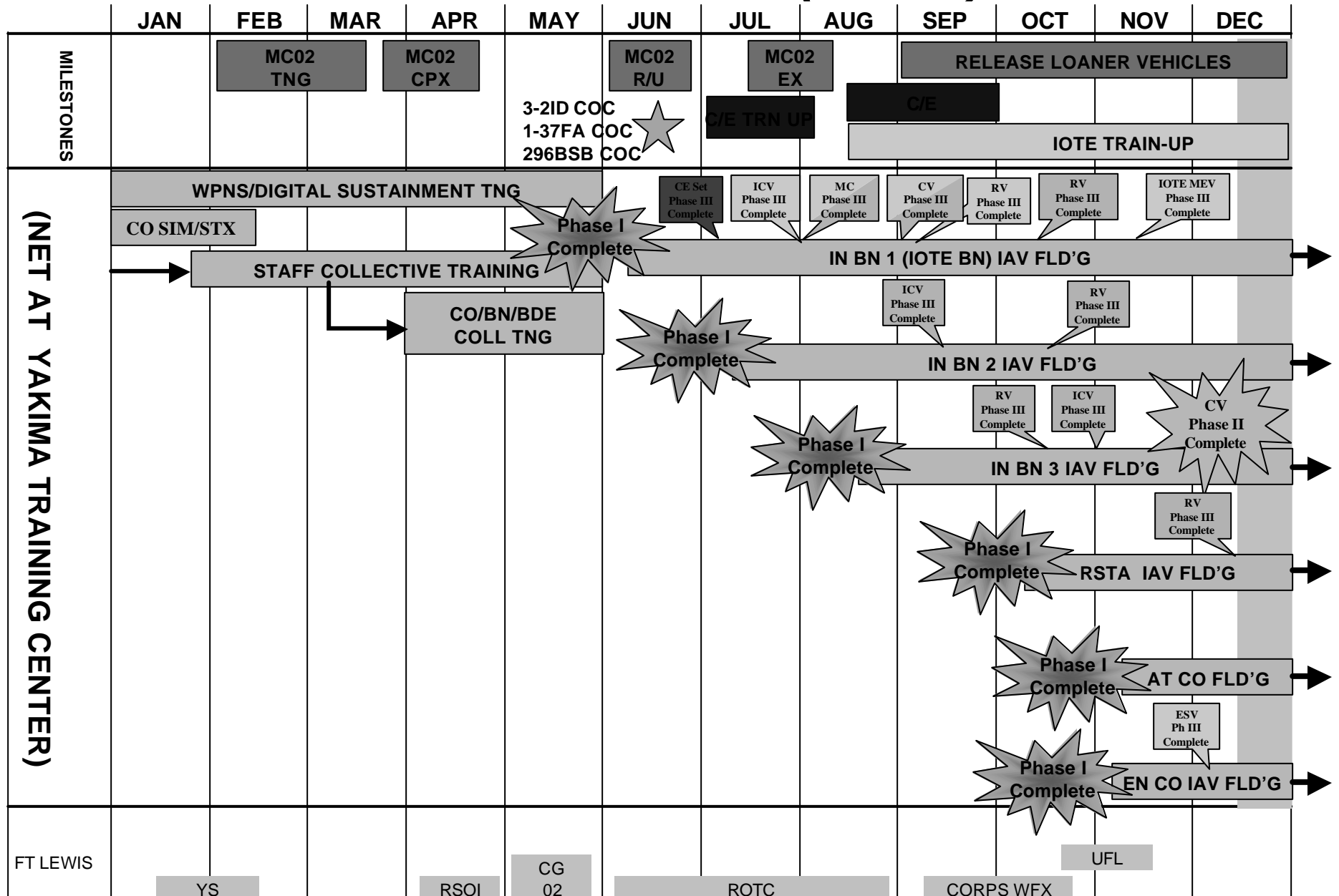


It's the Soldier SIR!

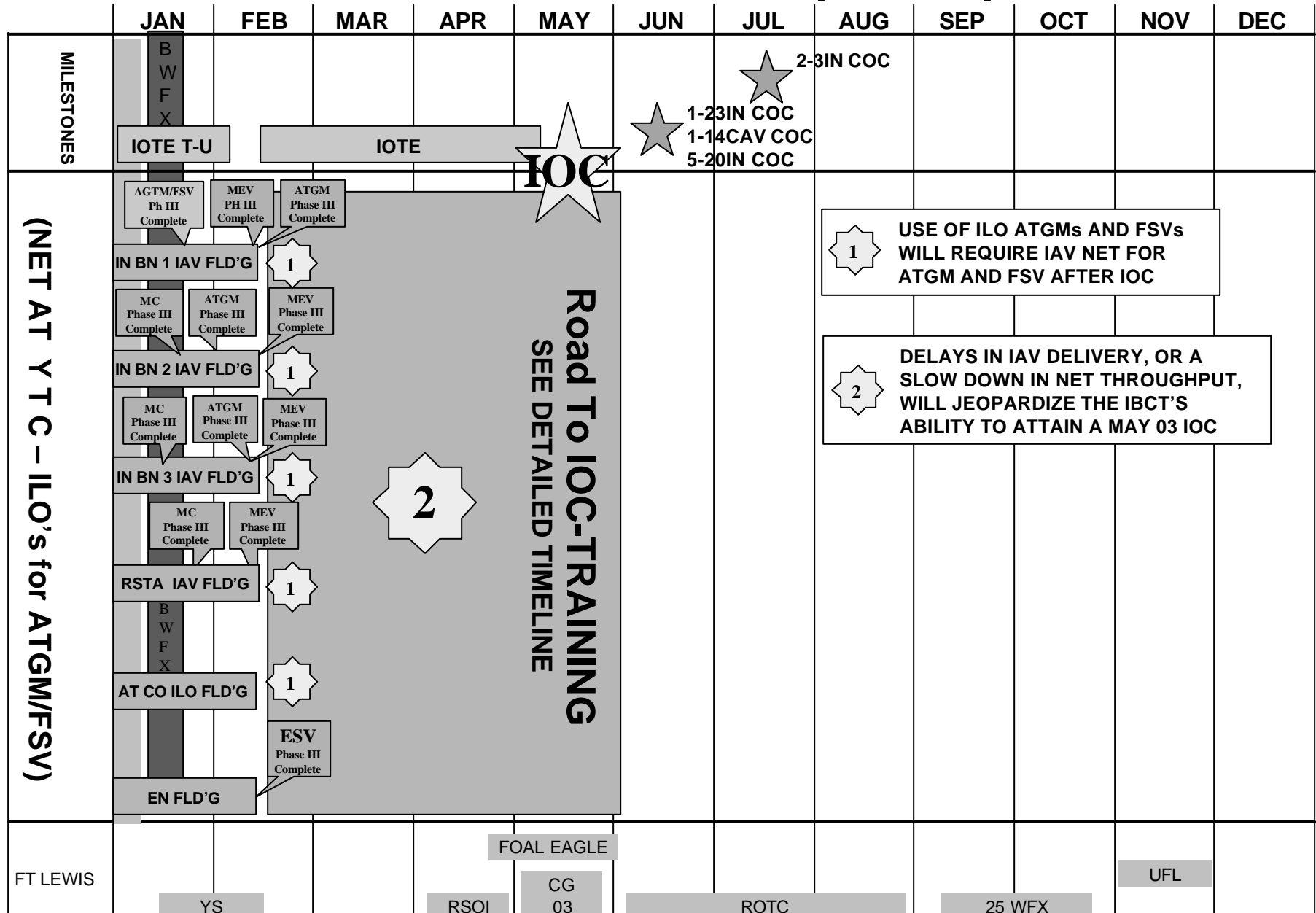
3RD BDE, 2ND ID (CY01)

	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					
							BLK L V					J R T C S P T
			TOC FIELDING/NET									BLK L V
			I CORPS HICON TRAINING									
FT LEWIS					EIB				UFL			
	YS				CG 01		ROTC				25ID WFX	

3RD BDE, 2ND ID (CY02)



3RD BDE, 2ND ID (CY03)



★ 1
USE OF ILO ATGMs AND FSVs
WILL REQUIRE IAV NET FOR
ATGM AND FSV AFTER IOC

★ 2
DELAYS IN IAV DELIVERY, OR A
SLOW DOWN IN NET THROUGHPUT,
WILL JEOPARDIZE THE IBCT'S
ABILITY TO ATTAIN A MAY 03 IOC

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/>

