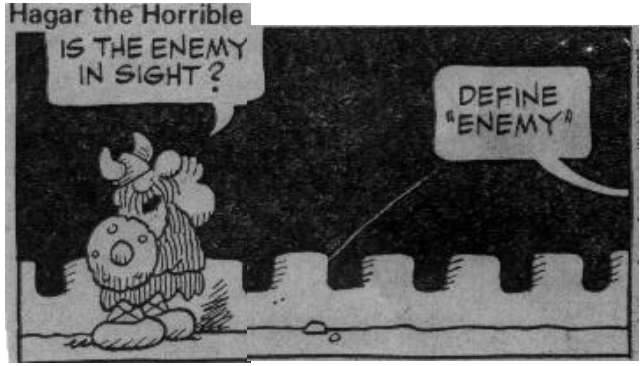
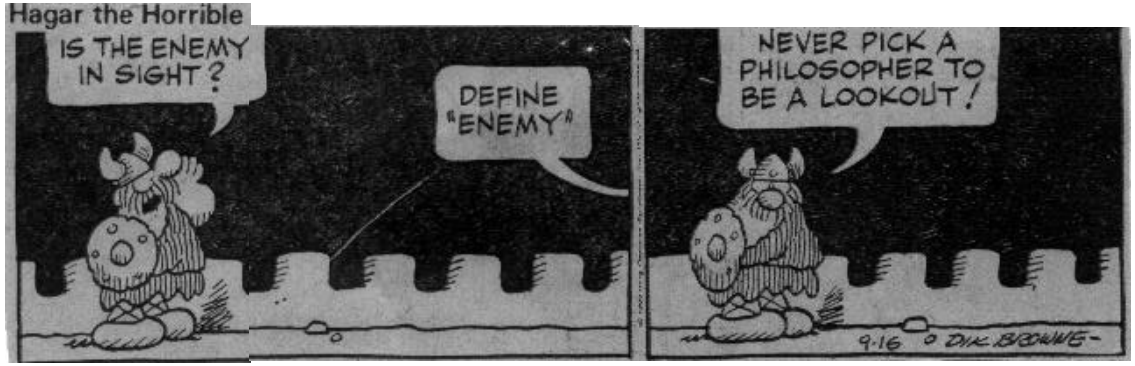
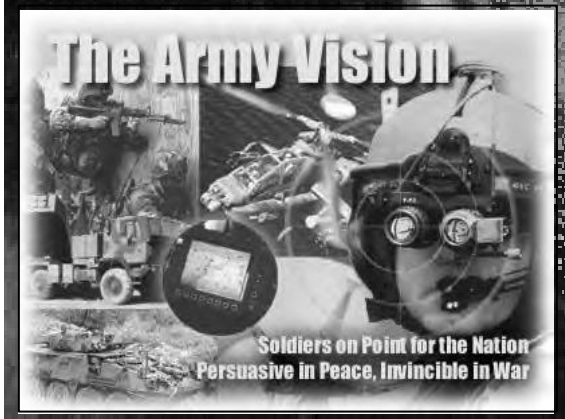

Hagar the Horrible
IS THE ENEMY IN SIGHT?
DEFINE "ENEMY"


Hagar the Horrible
IS THE ENEMY IN SIGHT?
DEFINE "ENEMY"
NEVER PICK A PHILOSOPHER TO BE A LOOKOUT!
9-16 © DIK BROWNE

Warfighter's Perspective on Logistics For the Future

- Responsive
- Deployable
- Agile
- Versatile
- Lethal
- Survivable
- Sustainable



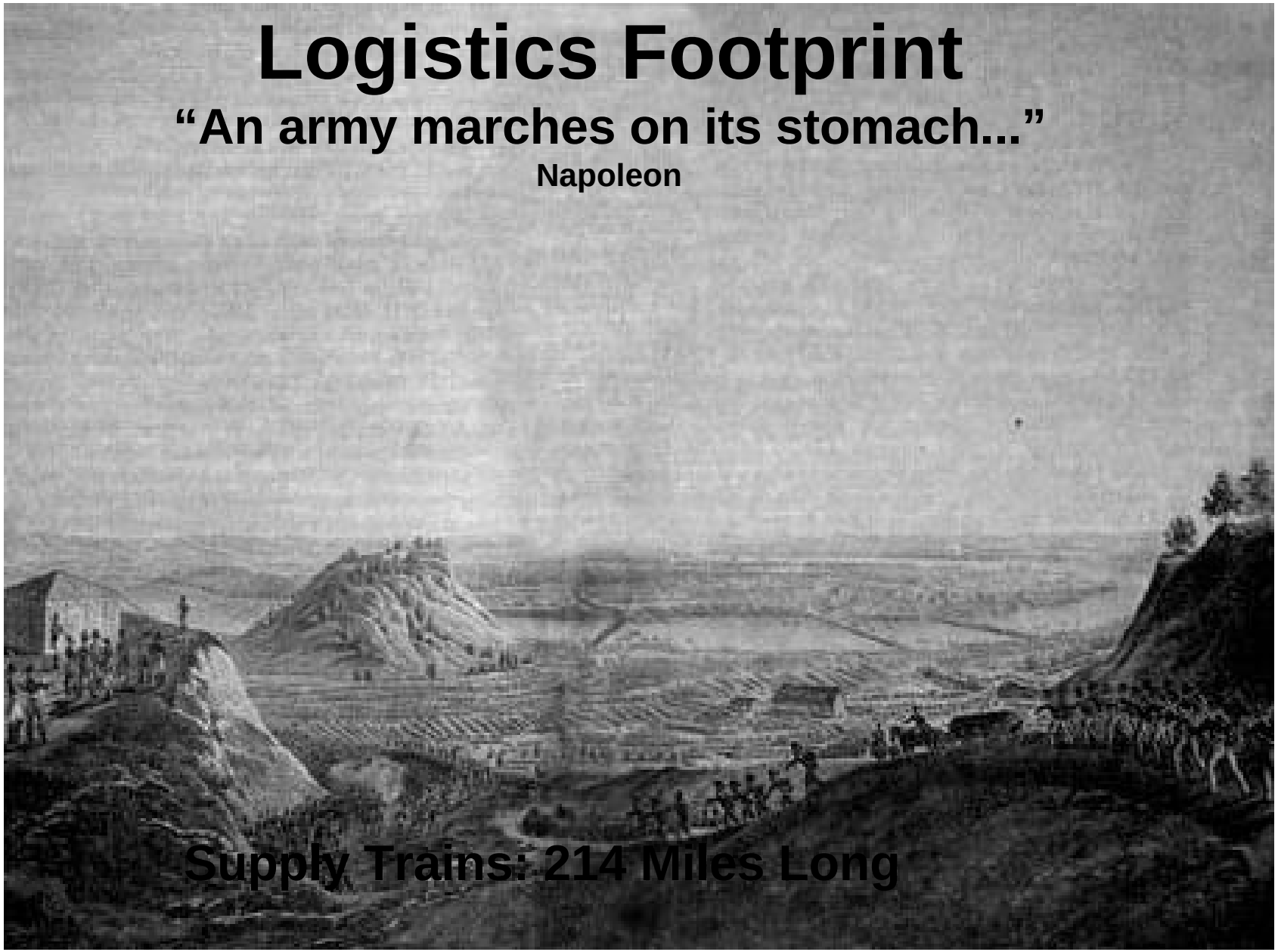
- Dominate Maneuver
- Precision engagement
- Full dimension protection
- Full spectrum dominance
- Sustainable

MG George Higgins
Deputy Commanding General, IIId Armored Corps

Logistics Footprint

“An army marches on its stomach...”

Napoleon



Supply Trains: 214 Miles Long

IF YOU PET THE BIRD DOG TOO MUCH . . .

HE WON’T HUNT!

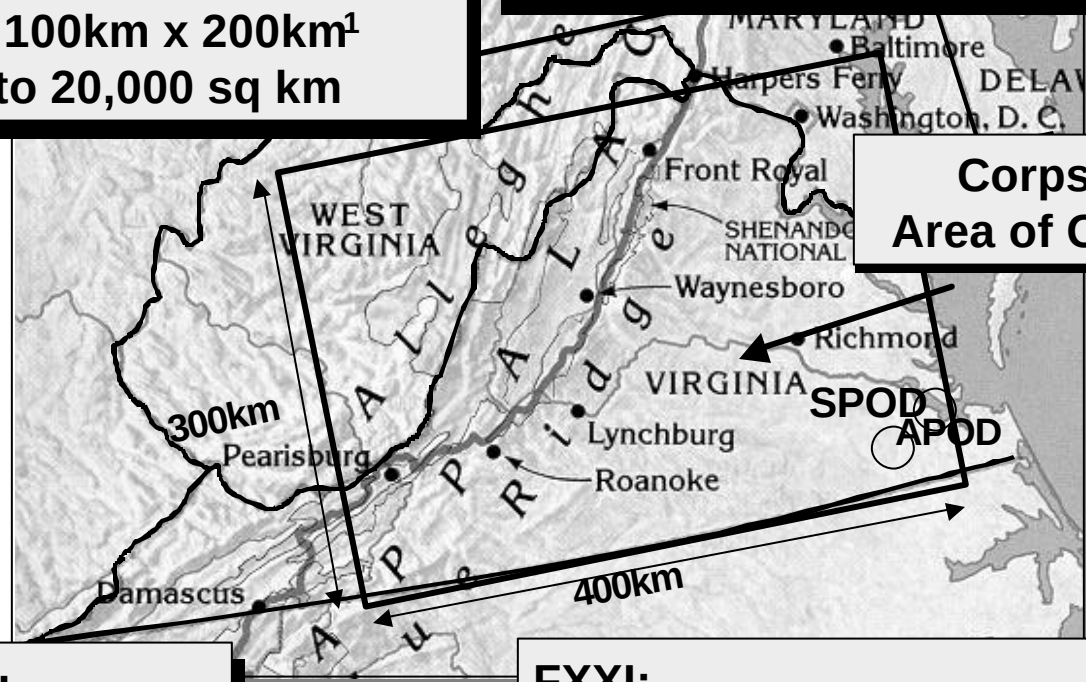
The Imperatives

- **Whatever you do - make it transparent to me.**
- **Ensure I have enough combat power to fight.**
- **Logistics should never control or constrain the ability to defend our National interests.**
- **War is about killing - it is not a business.**
- **Effectiveness is infinitely more important than efficiency when supporting a solider whose life is at risk.**
- **Good "Due In" status is not acceptable when the enemy is already in your sights.**
- **"Fight the enemy not the plan!!!"**

The Challenge....

Corps XXI's area of operation has grown by 600%

AOE:
Corps area is 100km x 200km[1]
This equates to 20,000 sq km



Corps XXI's Area of Operation

In contrast:
Virginia's size is only 105,586 sq km

FXXI:
Corps XXI's area is 300km x 400km
This equates to 120,000 sq km[2]

1 FM 63-3J Combat Service Support Operations - Corps, 1993

2 FM 4-93.60 TTPs for CSGs (Digitized Corps) Draft Nov 2000

Logistics Transformation for the Future Force

Transformation Requirements
Logistics Challenges

Transformation Requirements

- Enhance Strategic Responsiveness
- Reduce Logistics Footprint in Battle Space
- Transform Doctrine/Procedures/Force Structure

Logistics Challenges

Must Address Both Physical & 'Cultural' Demands

- Competing Demands On Strategic and Intra-Theater Lift
- Transformation affects everyone
- Sustainment of Three Forces

Supporting Soldiers…Sustaining The Army

Log Transformation Goals:

- 80% Fuel Reduction
- 50% Less Ammunition
- 50% Parts Commonality
- 50 % Less Log Footprint

Source: AUSA Report on Enabling Transformation (Oct 2000)

Sustainability Requirements

Fuel - Today

Tank =	561K GL/Day
Artillery =	662K GL/Day
Bradley =	238K GL/Day
Aviation =	458K GL/Day

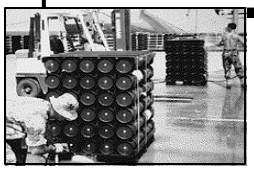
What if we could?!?

Log Transformation Goals:

- 80% Fuel Reduction
- 50% Less Ammunition
- 50% Parts Commonality
- 50 % Less Log Footprint

Arm - Today

Tank =	1814 ST/Day
Artillery =	10388 ST/Day
Bradley =	208 ST/Day
Aviation =	242 ST/Day



Source: AUSA Report on Enabling Transformation (Oct 2000)

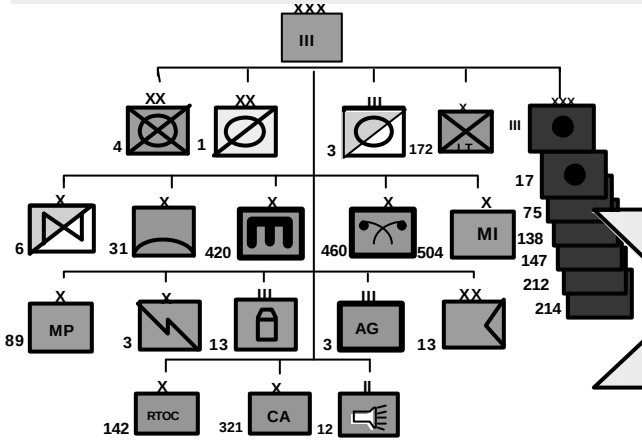
Class III (Bulk) Distribution

M1A1 = 0.5 MPG
Interim Armored Vehicle = 5.7 MPG

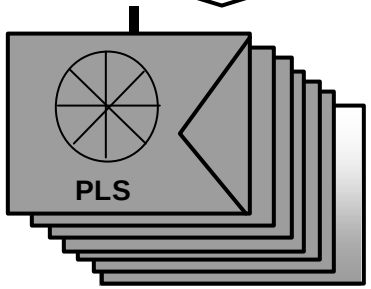
- **Reduces Corps fuel requirement from 2 million gallons/day to 400K gallons/day**
- **Reduces fuel truck companies from 4.5 to 1**

Class V Distribution

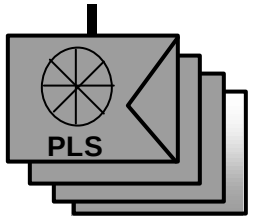
FORCES AVAILABLE



Today:
12,700 Short Ton Reqmt
= 6.3 Trans CO (PLS)

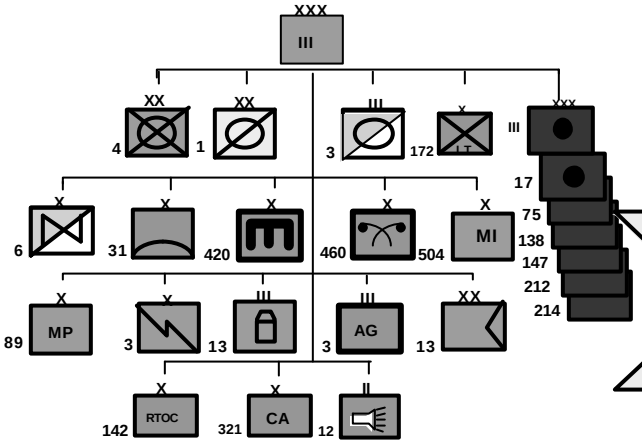


50% REDUCTION
6,350 ST Requirement =
3.1 TMT CO (PLS)



Class V Distribution

FORCES AVAILABLE



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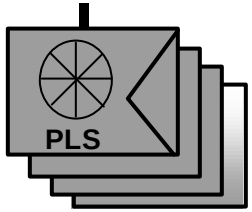

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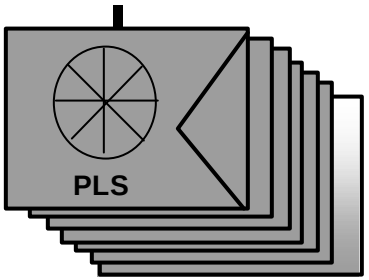


Risk assessment for full spectrum dominance:
<u>goal</u> is to reduce ammunition <u>or</u> to defeat any enemy?
T80 or better equipped?
How many targets?
How much terrain?

Battlefield Maintenance

Services in AO depend on length of operation?

- SINAI 18 Years
- Kuwait 10 Years
- Bosnia 5 Years
- Kosovo 1 Year

COMMONALITY

Parts common to all 6 systems 2404 of 17791

14%

FCS 85%

COSCOM Maintenance Units

13 Ground Maint Co
5 Aviation Maint Co

5% of COSCOM Units
12% of COSCOM People
5% of COSCOM Footprint

CORPS Systems

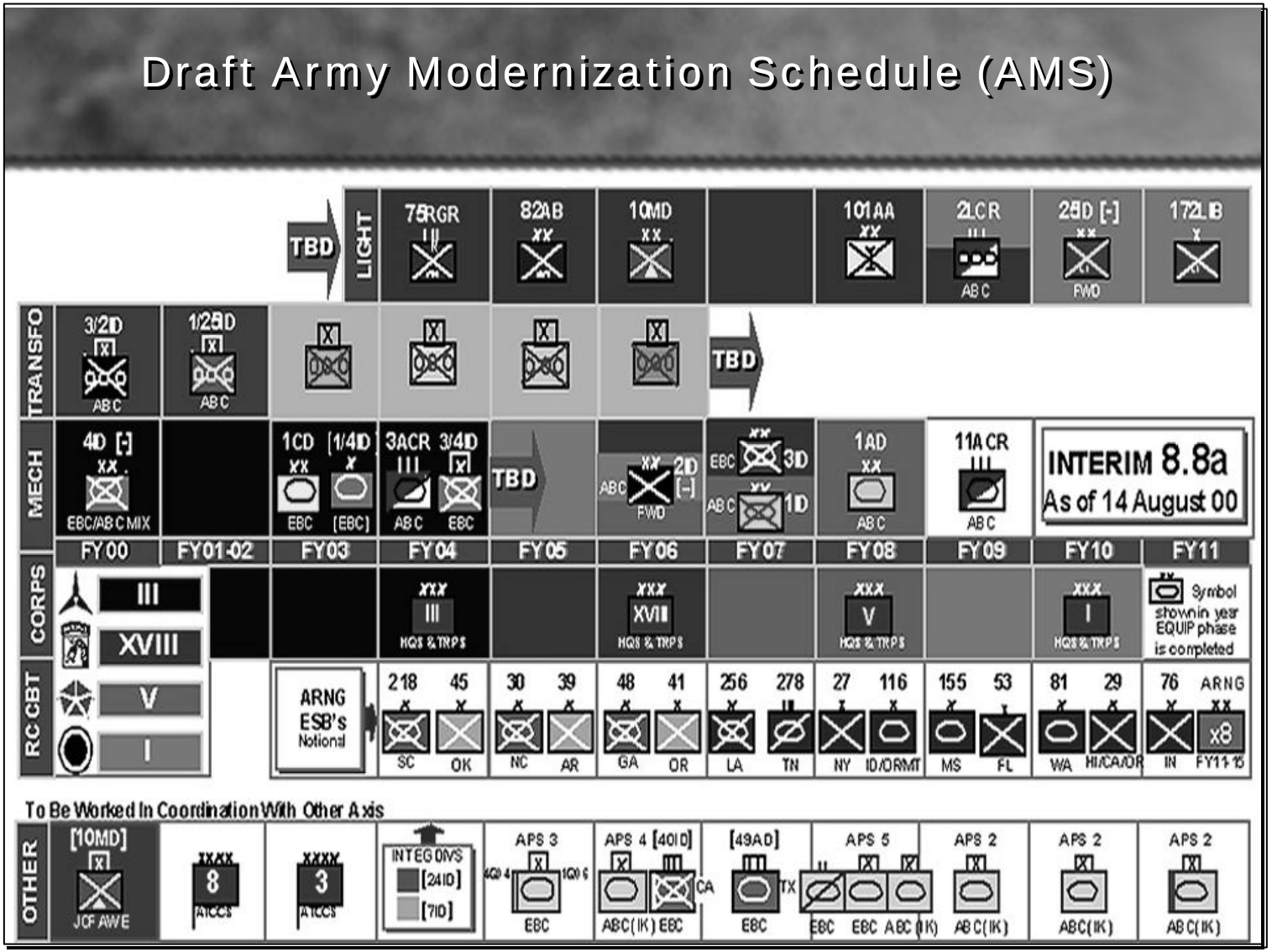
Tank =	643
Bradley =	479
Artillery =	576
Aviation =	184
Other =	22562

7.7%

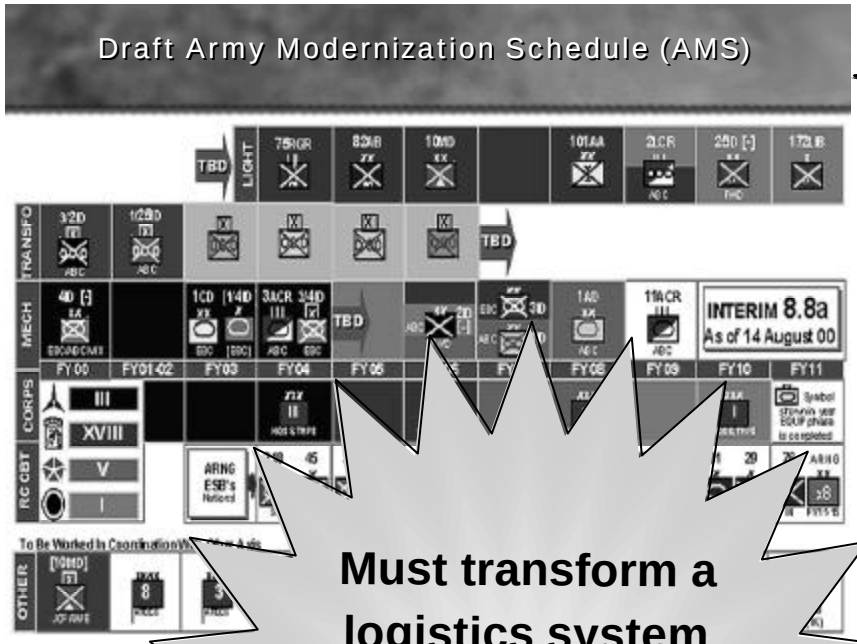
1 in 13

92.3%

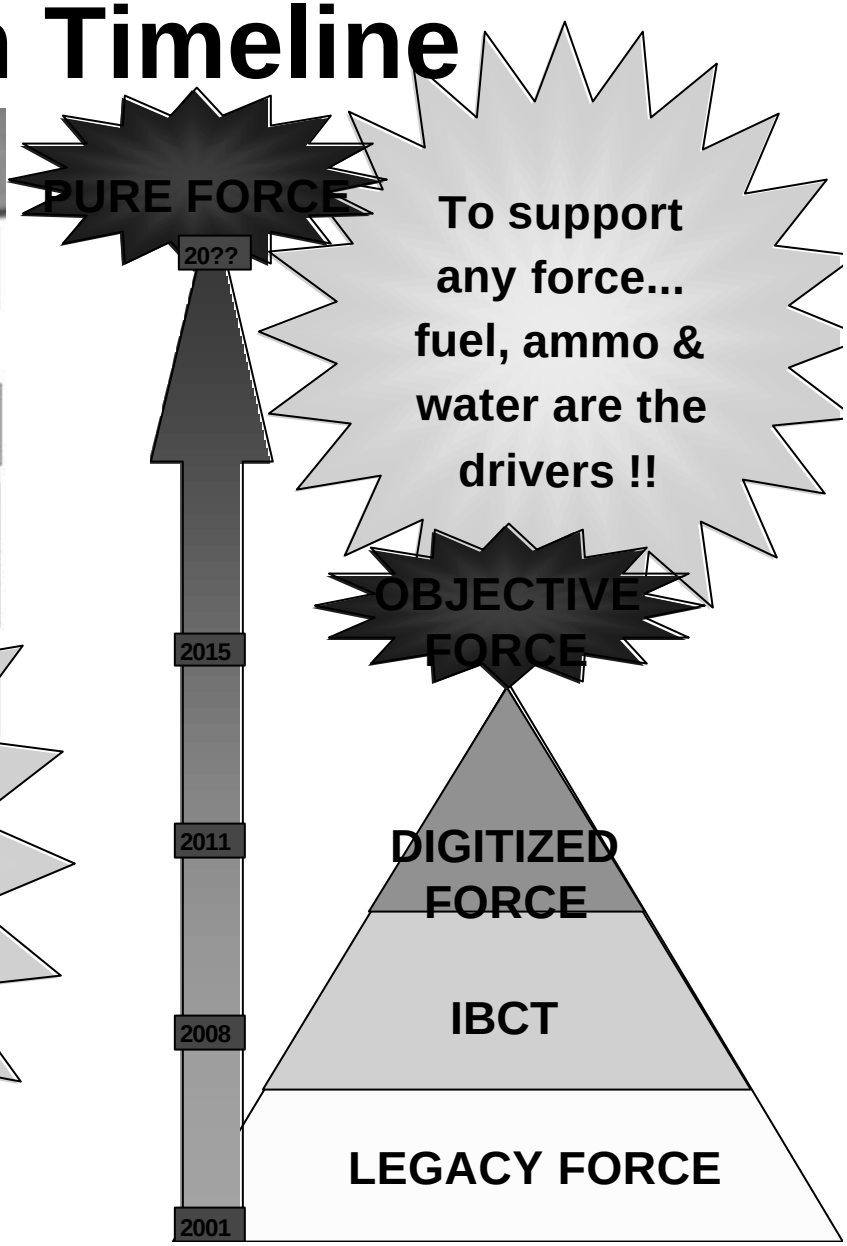
Transition Timeline



Transition Timeline

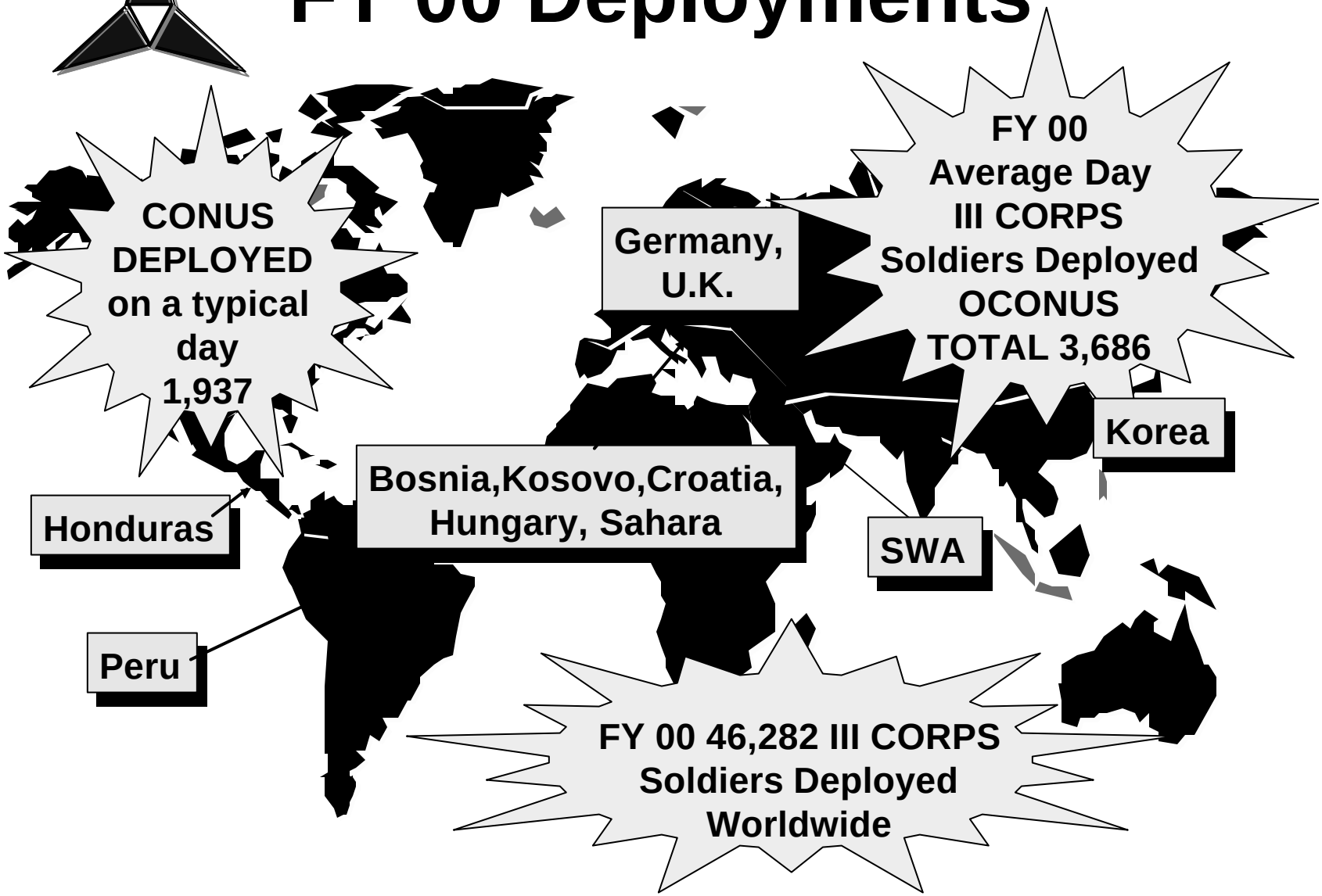


Must transform a logistics system to support many different forces across the full spectrum of conflict



To support any force... fuel, ammo & water are the drivers !!

FY 00 Deployments



What If We Had?

- On board Digitization that allows us to track ammunition, fuel, and maintenance status.
- WWW.STAMIS (Wireless Technology):
  - ✓ Decision Support and Analysis Tools
  - ✓ Joint Interoperability
- Smart Individual Identification Technology (Soldier ID Chip - vital signs and location).
- Improved Battlefield Communications Pipeline.
- Common View of Battlefield Logistics

Final Thoughts

DOCTRINE

ORGANIZATION

TRAINING

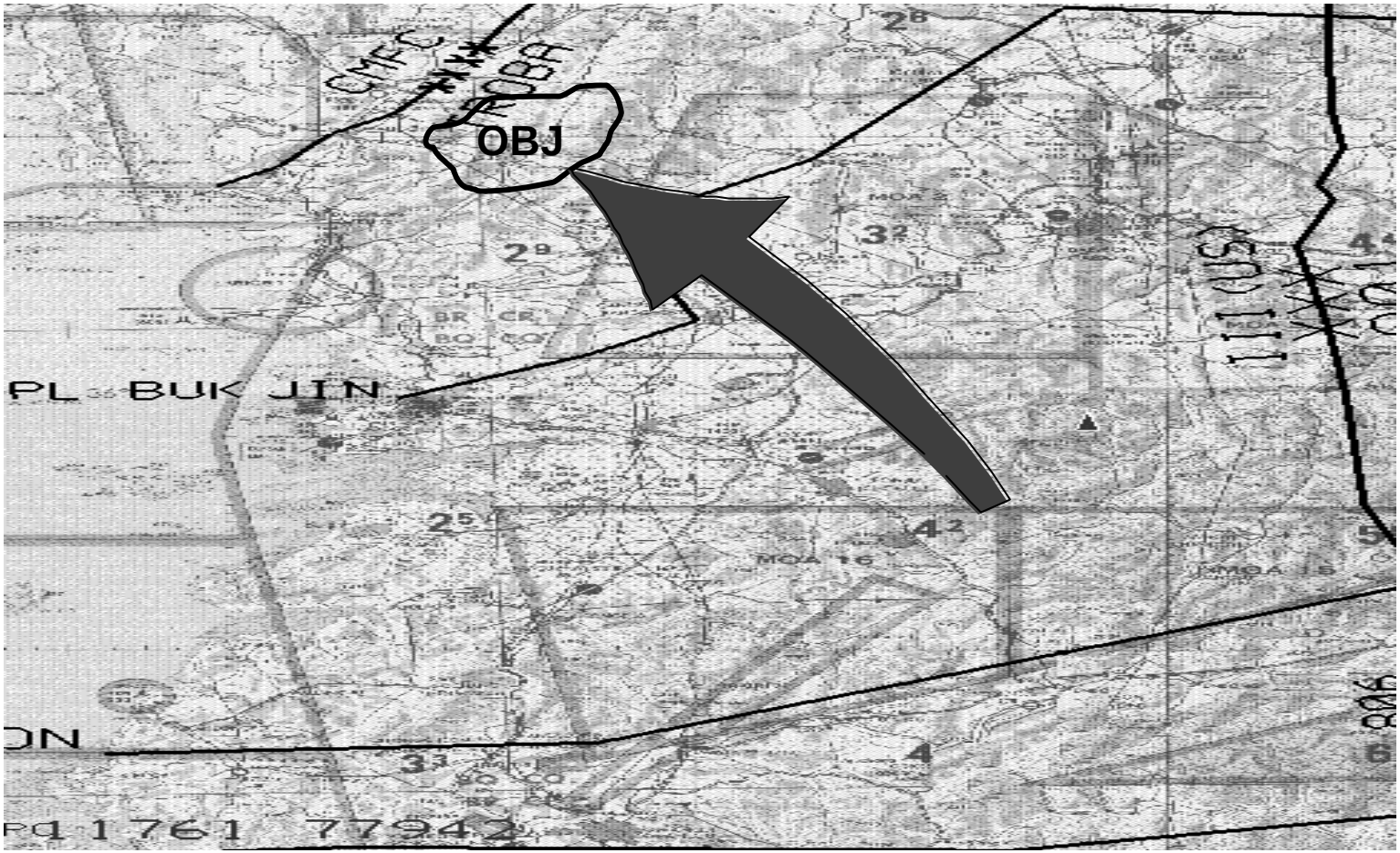
LEADER DEVELOPMENT

MATERIEL

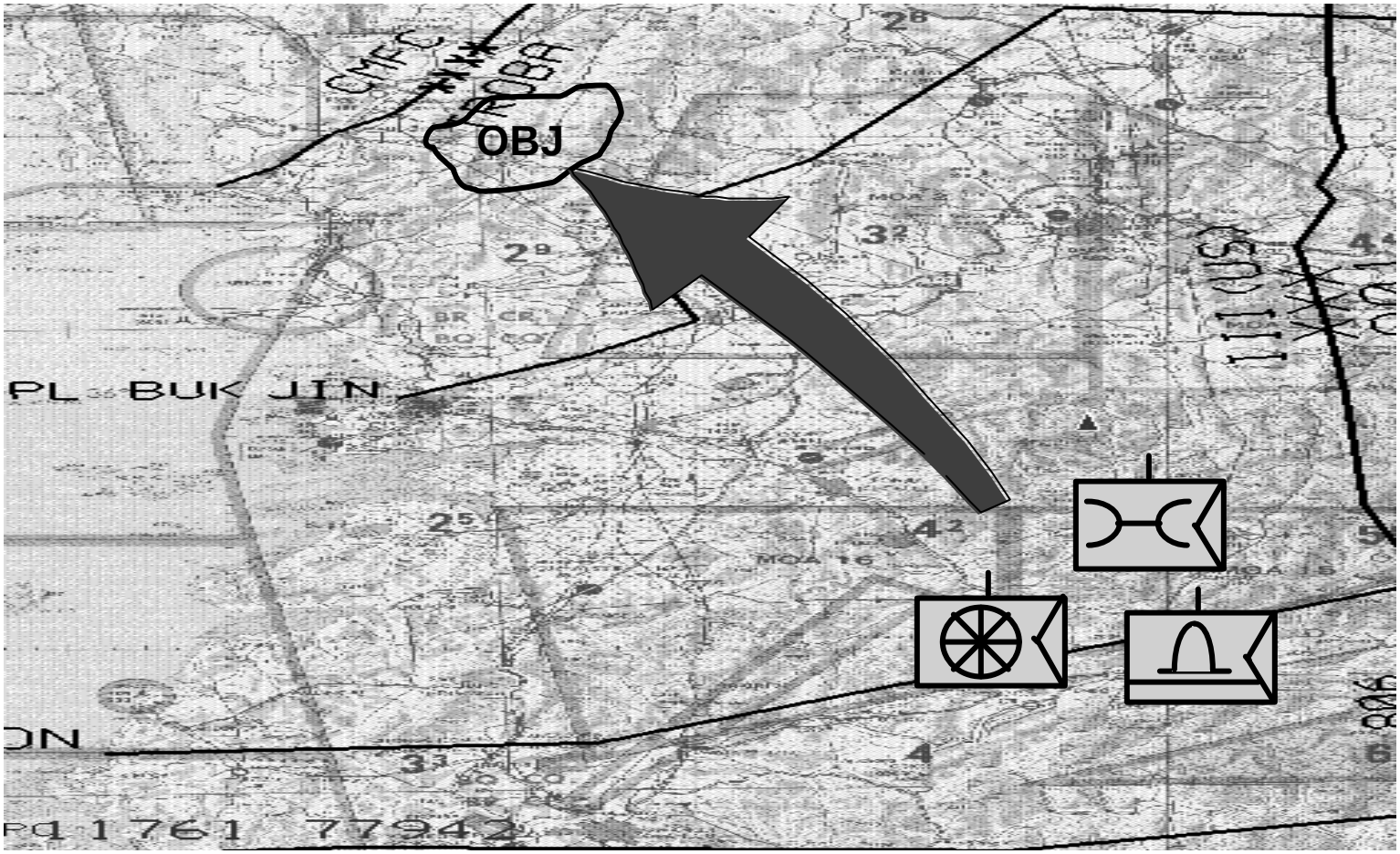
SOLDIERS

- **Leaders and Soldiers must understand and employ our doctrine**
- **Organizational changes <u>before</u> fielding the CSS enablers**
- **EAD reorganization**
- **Sustainment training for three distinct Army Organizations**
- **Reducing the Logistics Footprint**
- **Communications**
- **Integration of the Multi-Component Forces**

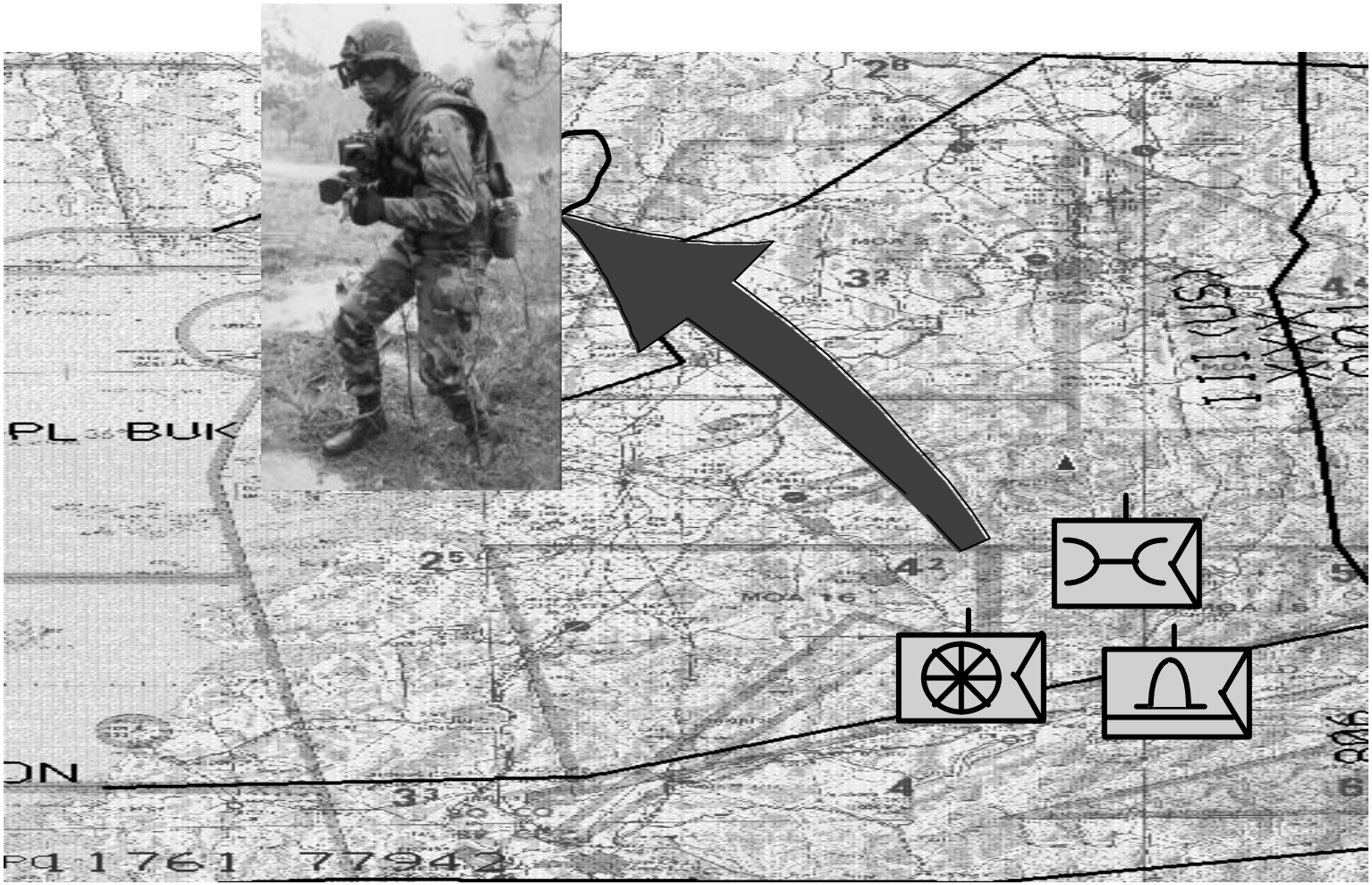
REMEMBER



REMEMBER WHY



REMEMBER WHY WE ARE HERE



TEAMWORK IS

POWERFUL!