

Keynote Address

Precision Strike Summer PEO Forum

The Honorable Claude M. Bolton, Jr.
Assistant Secretary of the Army
(Acquisition, Logistics and Technology) and
Army Acquisition Executive
July 7, 2004

Trivia

**What Legislative Act
Formally Established
The Joint Chiefs of Staff?**



Trivia Answer

**The National Security
Act of 1947**

Trivia Question

When was the last time that Department of Defense spending was 2% of our nation's Gross Domestic Product?

(Hint: Trick Question)

Challenges

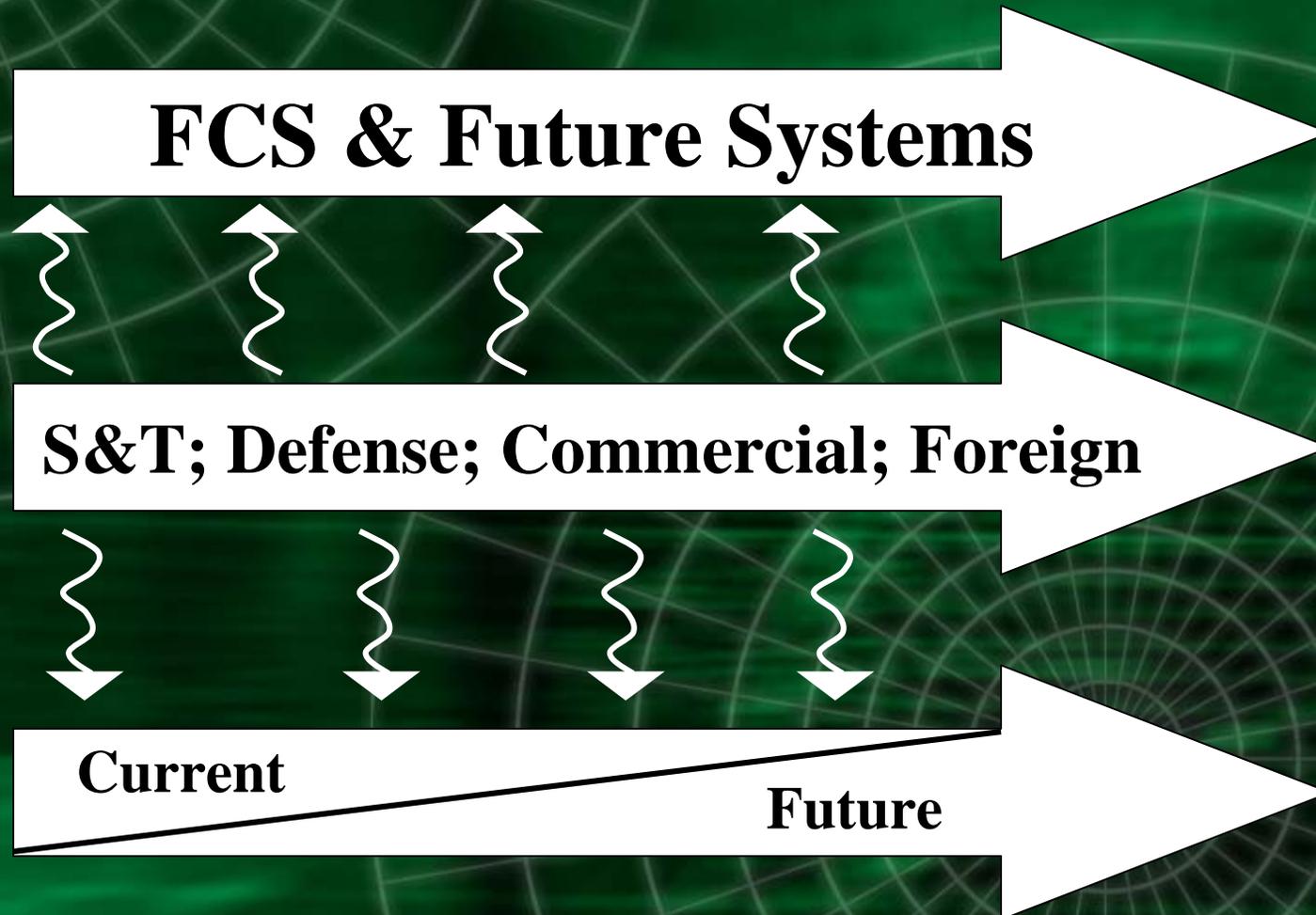
- **Provide the Soldier**
- **Right Product**
- **Right Time**
- **Right Place**
- **Right Price**
- **Focus Areas**
- **Programs**
- **People**
- **Production**
- **Improvement**

The Process



Current → Future Force

What Is Our Strategy For Getting There?



THE LENS: JOINT AND EXPEDITIONARY MINDSET

Joint and Expeditionary Mindset

Soldier



The Centerpiece

The Lens

J
O
I
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T

A
R
M
Y

J
E
M

Joint Interdependencies

- Fires and Effects
- Battle Command
- Force Projection
- Air and Missile Defense
- Logistics

- P** TF Soldier
 - TF Modularity
 - TF Stabilization
 - TF AC-RC Balance
 - TF Logistics
- O** TF Joint and Expeditionary Mindset
 - TF Actionable Intelligence
- D** TF Army Aviation
- M** TF Network
- F** TF Installations as Flagships
 - TF Current to Future Force
 - TF CTC-BCTP
- T** TF Leader Development and Education
 - TF Bench
- L** TF Strategic Communications
 - TF Resource Processes
 - TF Authorities, Responsibilities, Accountability

Organizations

- Modularity
- Stabilization
- AC/RC Balance

Doctrine

- Joint & Army
- JP 3-0
- FM 3-0, FM 1
- JFLCC Doctrine
- ALSA MTTs

Material and CDE

- Joint/Army CDE
- Rapid Prototyping
- Concepts
- Spiraling
- UQ 04

Training and Education

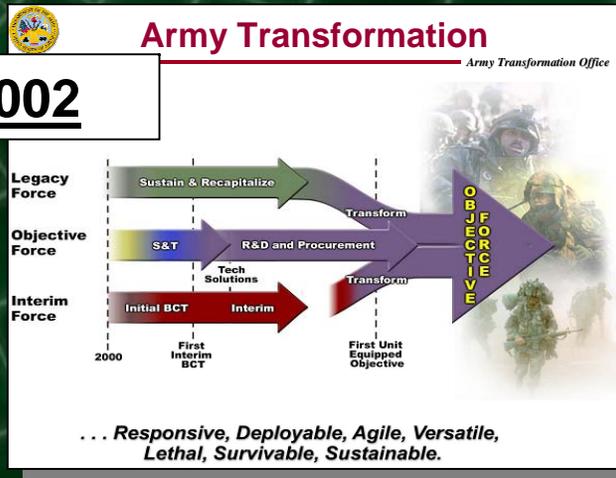
- Joint LDR DEV &ED
- JFLCC Course
- JNTC, BCTP, Dirt CTCs
- BCT, OES, NCOES

INTEGRATING MECHANISM

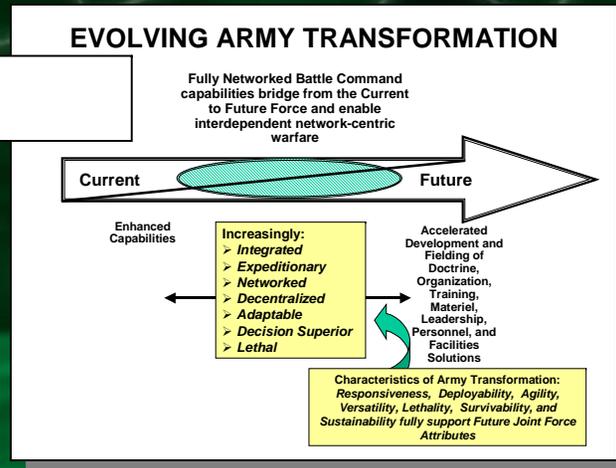
Current

Future

EVOLVING ARMY TRANSFORMATION



- Transform within Acceptable Risk
- Current, Interim, Objective; Objective implied an end
- System-focused to support COGs
- Network Implied
- Requirements Generation System



- Transforming while at War
- Dynamic, hybrid force in continual transition
- Capabilities-based to support JOCs
- Network Explicit
- JCIDS (CJSCI 3170.01C)

Munitions Terminology

Precision Munitions

Capable of self locating and maneuvering to a specific location with an accuracy sufficient to yield a high probability of destruction within its inherent capabilities.

Smart Munitions

Self-contained capability to search, detect, acquire, and engage individual targets by detecting the general target characteristics in order to provide terminal guidance for the munition or submunitions.

Discriminating Munitions

Self-contained capability to search, detect, acquire, and engage individual targets by distinguishing specific characteristics of the target to selectively identify and engage only the desired target types.

Mission Area Overview Transformation Strategy

EVOLVING ARMY TRANSFORMATION

Current to Future Force - Accelerate fielding of select Future Force capabilities to enhance effectiveness of Current Force. Army Transformation is part of constant change.



*Developing the Future Force while Simultaneously
Spiraling Future Capabilities into the Current Force*

-- "The Way Ahead"

Precision Munitions History

FIRE SUPPORT



COPPERHEAD



TERM



EXCALIBUR



SADARM



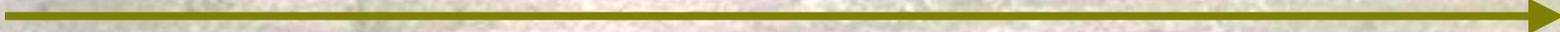
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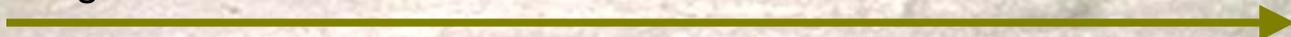


TOW

TOW 2A/B



Dragon



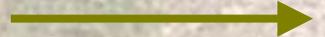
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Javelin



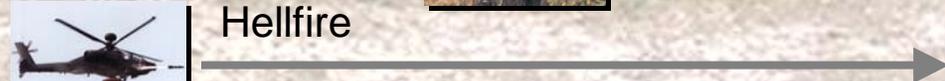
MANEUVER

AVN



Hellfire

SAL and Longbow



1970

1980

1990

2000

Current Precision Munitions

MANEUVER

JAVELIN



2.5 Km

TOW



3.75 Km

TOW 2A/TOW 2B

AVIATION

HELLFIRE/
LONGBOW/
SAL



Launch + 8 Km

FIRE SUPPORT

ATACMS
Block 1,1A,
Unitary



165-300 Km

Precision Munitions in Development

MANEUVER

OICW
LRIP FY05



0.6 Km

LOSAT
IOC FY07



4 Km +

PGMM
Incr 1
IOC FY10



8-10 Km

Excalibur
Unitary
IC FY06
IOCFY08



40 Km

FIRE SUPPORT



GMLRS
IOC FY06

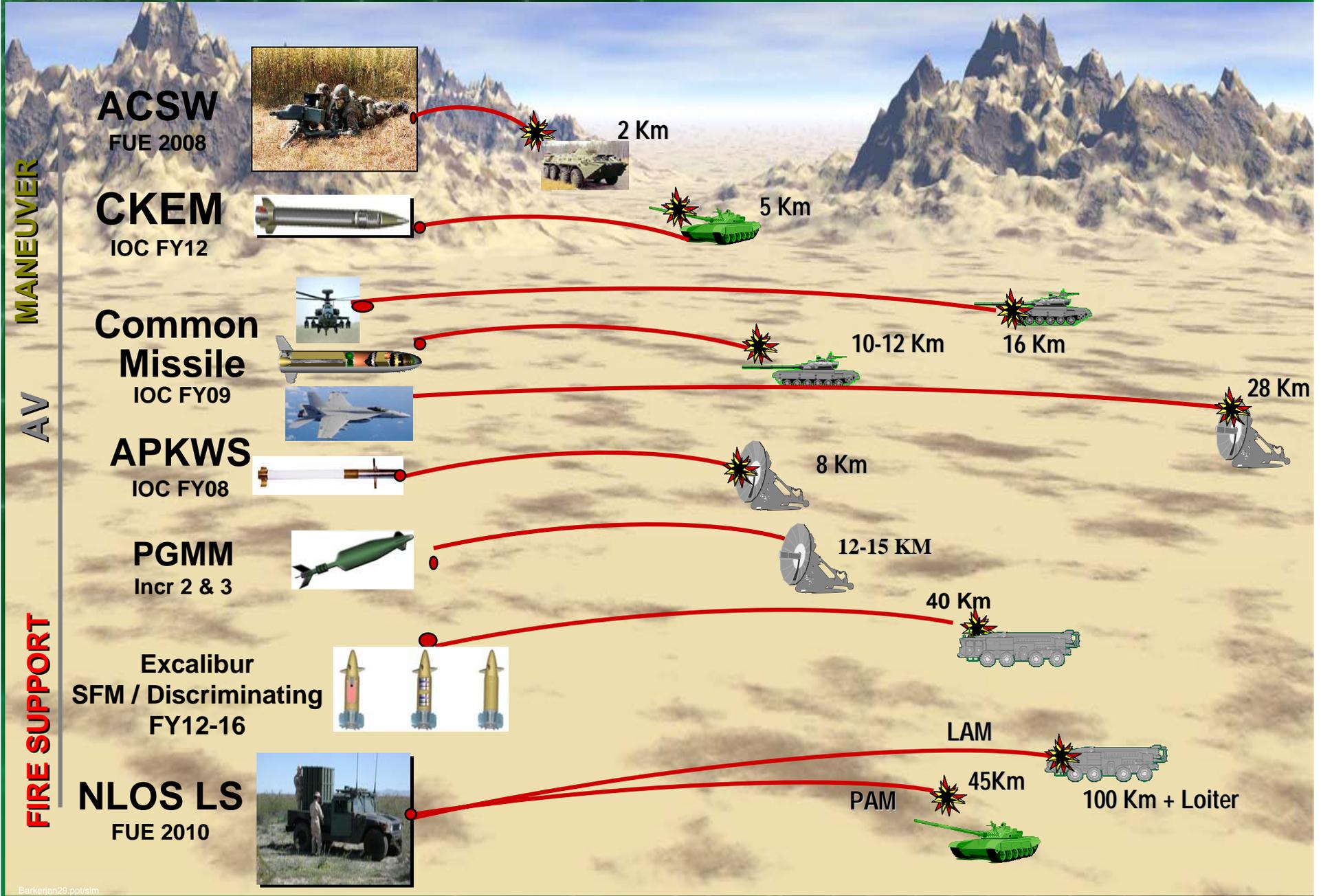
60 Km

ATACMS
Unitary
IOC FY06



145 Km

Future Precision Munitions



Munitions Capabilities

Current

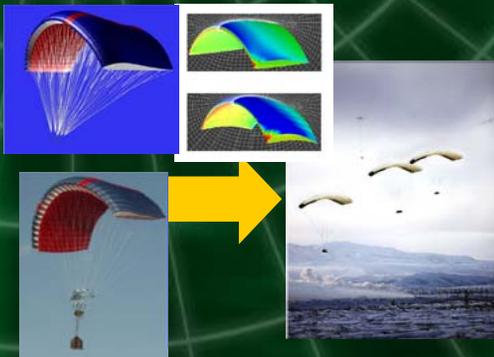
Future

Man-in-the-Loop Operation	➔	More Autonomous Operation
Dedicated Mission	➔	Multi-Mission
Platform Dependent	➔	Platform Independent
Direct Flight	➔	Loiter
Lock on Before Launch	➔	Automatic Target Recognition
Low Precision Guidance	➔	Anti-Jam Precision Guidance
Single-Mode Warhead	➔	Tunable Warhead
Fixed Location Attack	➔	Fire on the Move, Remote Attack
Adverse Weather	➔	All Weather

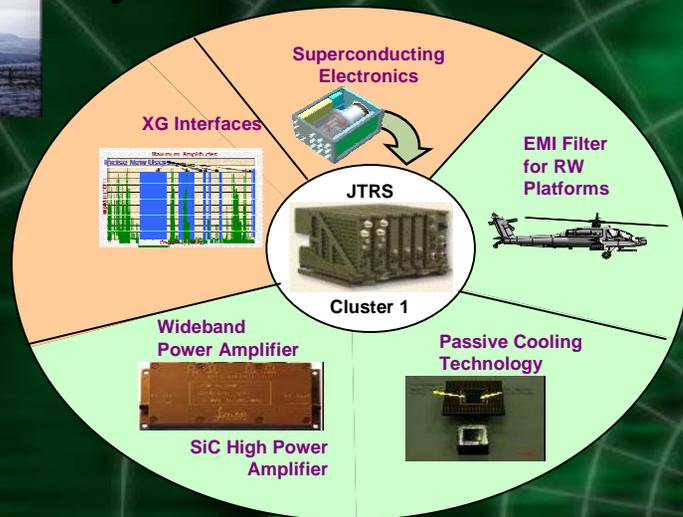
“Significant Increase in Survivability and Lethality”

Joint S&T Programs

Joint Precision Airdrop System



Joint Tactical Radio System Enhancements



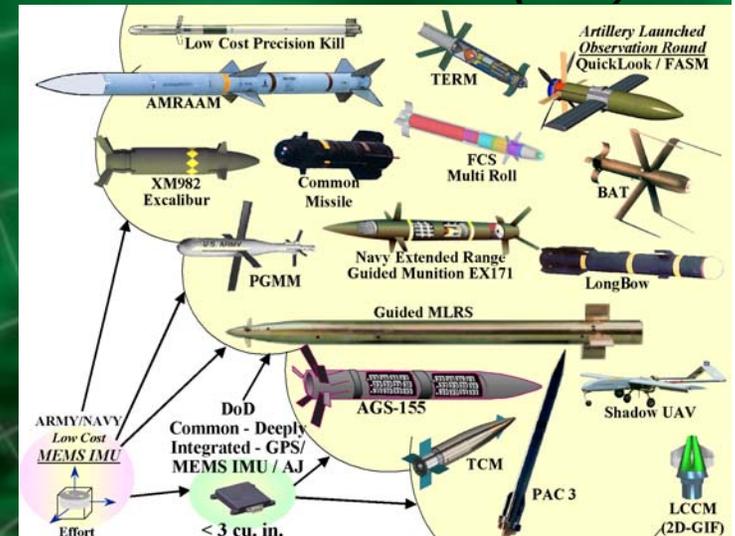
Non-Lethal

Munition Payloads:

- HPM
- Malodorants
- Nanoparticulates



Micro Electro-Mechanical Systems (MEMS), Inertial Measurement Unit (IMU)



Joint High Power Solid State Laser



Trivia Question

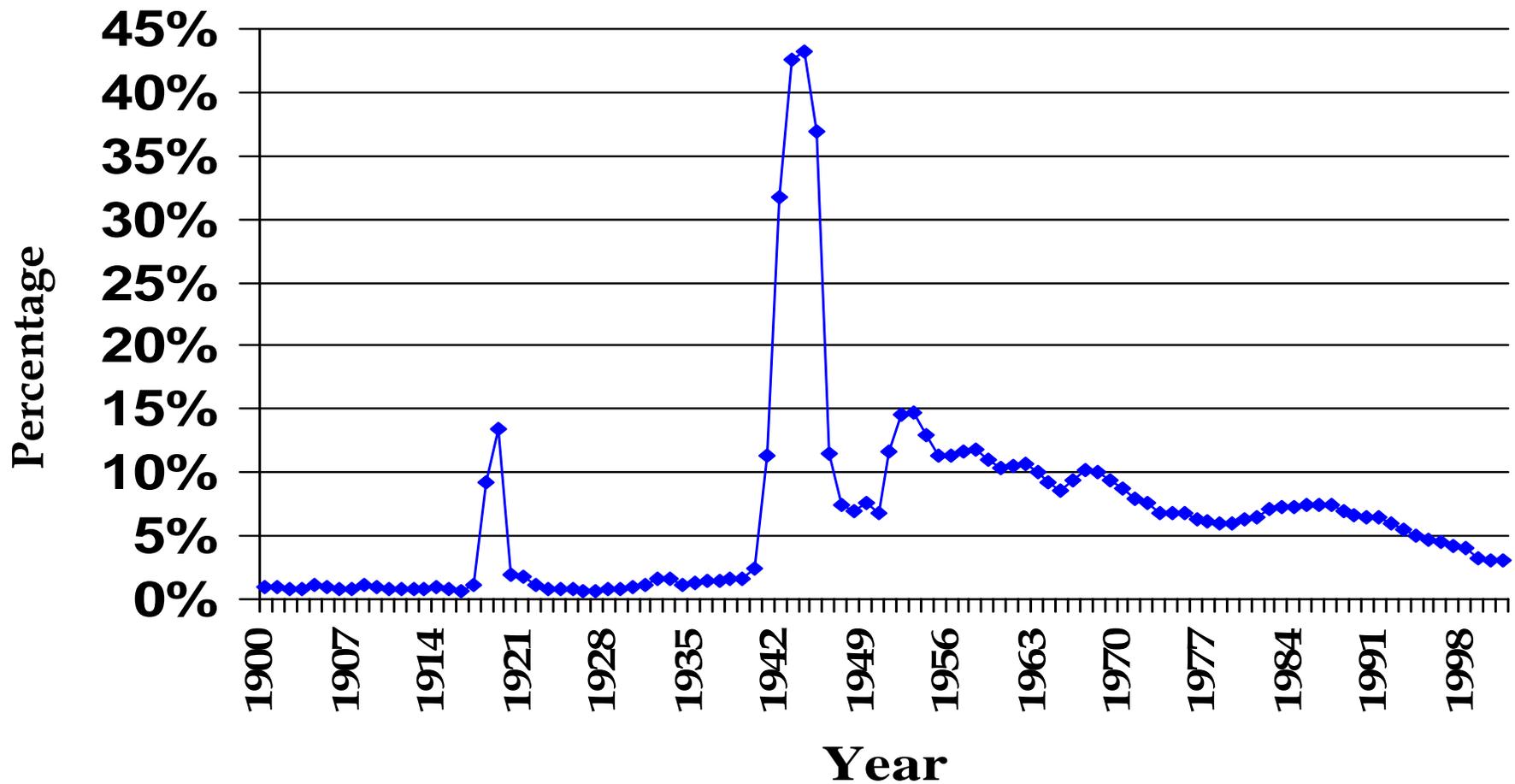
When was the last time that Department of Defense spending was 2% of our nation's Gross Domestic Product?

The Answer

Never; Previously known as
Department of War and
Gross National Product.

National Defense As Percentage of GNP/GDP

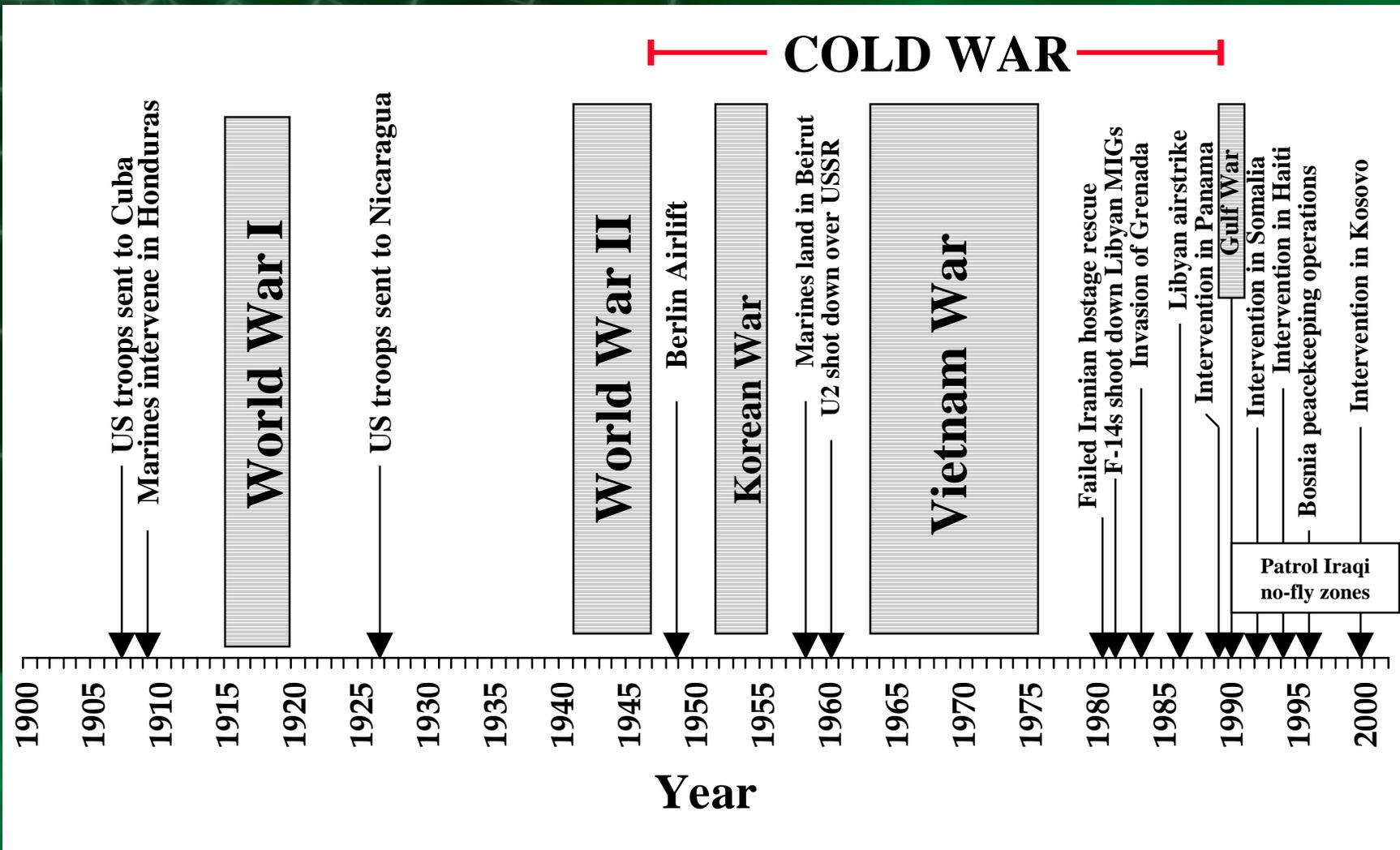
Since 1900



Sources: DOC's BEA Survey of Current Business, August 1998
OUSD(C) National Defense Budget Estimates for FY2000 (projections)

Conflicts with U.S. Involvement

Since 1900



Challenge

How do we maintain a world class military on 2% GDP with 100 years of history against us?

Solution

**We must change the way
DoD does business**

**a.k.a - Acquisition & Logistics Excellence . . .
Transformation**

