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

CAPABILITY
NEED

Resources

Acquire
Develop
Contract
Test
Produce
Field

acquisition

Operate/Sustain
Upgrade/Modernize
FMS

Retire
Demil

ACQUISITION

D O T L M F

??
Current       Future Force
What Is Our Strategy For Getting There?

FCS & Future Systems

S&T; Defense; Commercial; Foreign

Current       Future
Increasingly:
Integrated
Expeditionary
Networked
Decentralized
Adaptable
Decision Superior
Lethal
Enhanced
Capabilities

Fully Networked Battle Command capabilities bridge from the Current to Future Force and enable interdependent network-centric warfare.

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

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
JCLDS (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.

CURRENT
- MLRS
- M270A1
- LONGBOW HELLFIRE
- HELLFIRE/PREDATOR
- ATACMS
- HOT
- Javelin
- Hydra 70
- ITAS
- HIMARS
- Javelin P3i

FUTURE
- NLOS LS
- C-130 JAVELIN
- DPRK/AV
- ATACMS
- Javelin P3i
- C2

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

"The Way Ahead"
Precision Munitions History

FIRE SUPPORT
- COPPERHEAD
- SADARM
- TOW
- TERM
- TOW 2A/B
- Dragon
- EFOG-M
- EXCALIBUR

MANEUVER
- AVN
- Hellfire
- SAL and Longbow


Precision Munitions History

Precision Munitions History
Current Precision Munitions

JAVALIN

TOW

HELLFIRE/ LONGBOW/ SAL

ATACMS
Block 1,1A,
Unitary

2.5 Km

3.75 Km

Launch + 8 Km

165-300 Km

2.5 Km

3.75 Km

TOW 2A/TOW 2B

Launch + 8 Km

165-300 Km
Precision Munitions in Development

**MANEUVER**
- OICW
  - LRIP FY05
- LOSAT
  - IOC FY07
- PGMM
  - Incr 1
  - IOC FY10
- Excalibur
  - Unitary
  - IC FY06
  - IOC FY08

**FIRE SUPPORT**
- GMLRS
  - IOC FY06
- ATACMS
  - Unitary
  - IOC FY06

Distances:
- 0.6 Km
- 4 Km +
- 8-10 Km
- 40 Km
- 60 Km
- 145 Km
Future Precision Munitions

**MANEUVER**

- ACSW
  - FUE 2008
- C kem
  - IOC FY12
- Common Missile
  - IOC FY09
- APKWS
  - IOC FY08
- PGMM
  - Incr 2 & 3
- Excalibur
  - SFM / Discriminating
    - FY12-16

**FIRE SUPPORT**

- NLOS LS
  - FUE 2010
- LAM
- PAM
  - 45Km
  - 100 Km + Loiter

Distances:
- 2 Km
- 5 Km
- 8 Km
- 10-12 Km
- 12-15 KM
- 16 Km
- 28 Km
- 40 Km
- 45Km
- 100 Km + Loiter

**Programs:**
- APKWS
- Common Missile
- C kem
- PGMM
- ACSW
- Excalibur
- NLOS LS

**Date Range:**
- FY08
- FY09
- FY12
- FY12-16
Munitions Capabilities

**Current**
- Man-in-the-Loop Operation
- Dedicated Mission
- Platform Dependent
- Direct Flight
- Lock on Before Launch
- Low Precision Guidance
- Single-Mode Warhead
- Fixed Location Attack
- Adverse Weather

**Future**
- More Autonomous Operation
- Multi-Mission
- Platform Independent
- Loiter
- Automatic Target Recognition
- Anti-Jam Precision Guidance
- Tunable Warhead
- Fire on the Move, Remote Attack
- All Weather

“Significant Increase in Survivability and Lethality”
Joint S&T Programs

Joint Precision Airdrop System

Joint Tactical Radio System Enhancements

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

Non-Lethal

Munition Payloads:
• HPM
• Malodorants
• Nanoparticulates
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

- US troops sent to Cuba
- Marines intervene in Honduras

World War I

1910

1915

1920

1925

1930

1935

1940

1945

World War II

Berlin Airlift

Korean War

- Marines land in Beirut
- U2 shot down over USSR

Vietnam War

- Failed Iranian hostage rescue
- Libyan airstrike
- F-14s shoot down Libyan MiG-23
- Invasion of Grenada
- Intervention in Panama
- Operation Desert Storm
- Intervention in Somalia
- Intervention in Haiti
- Intervention in Kosovo

Gulf War

Patrol Iraqi no-fly zones

COLD WAR

1905

1910

1915

1920

1925

1930

1935

1940

1945

1950

1955

1960

1965

1970

1975

1980

1985

1990

1995

2000

Year
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