Keynote Address

2004 TACOM APBI
"Government and Industry Unite to Support our Forces"

The Honorable Claude M. Bolton, Jr.
Assistant Secretary of the Army
(Acquisition, Logistics and Technology) and
Army Acquisition Executive
October 14, 2004

Trivia Question

The Heaviest Tank Ever Built Was the German Maus II. How Much Did It Weigh?
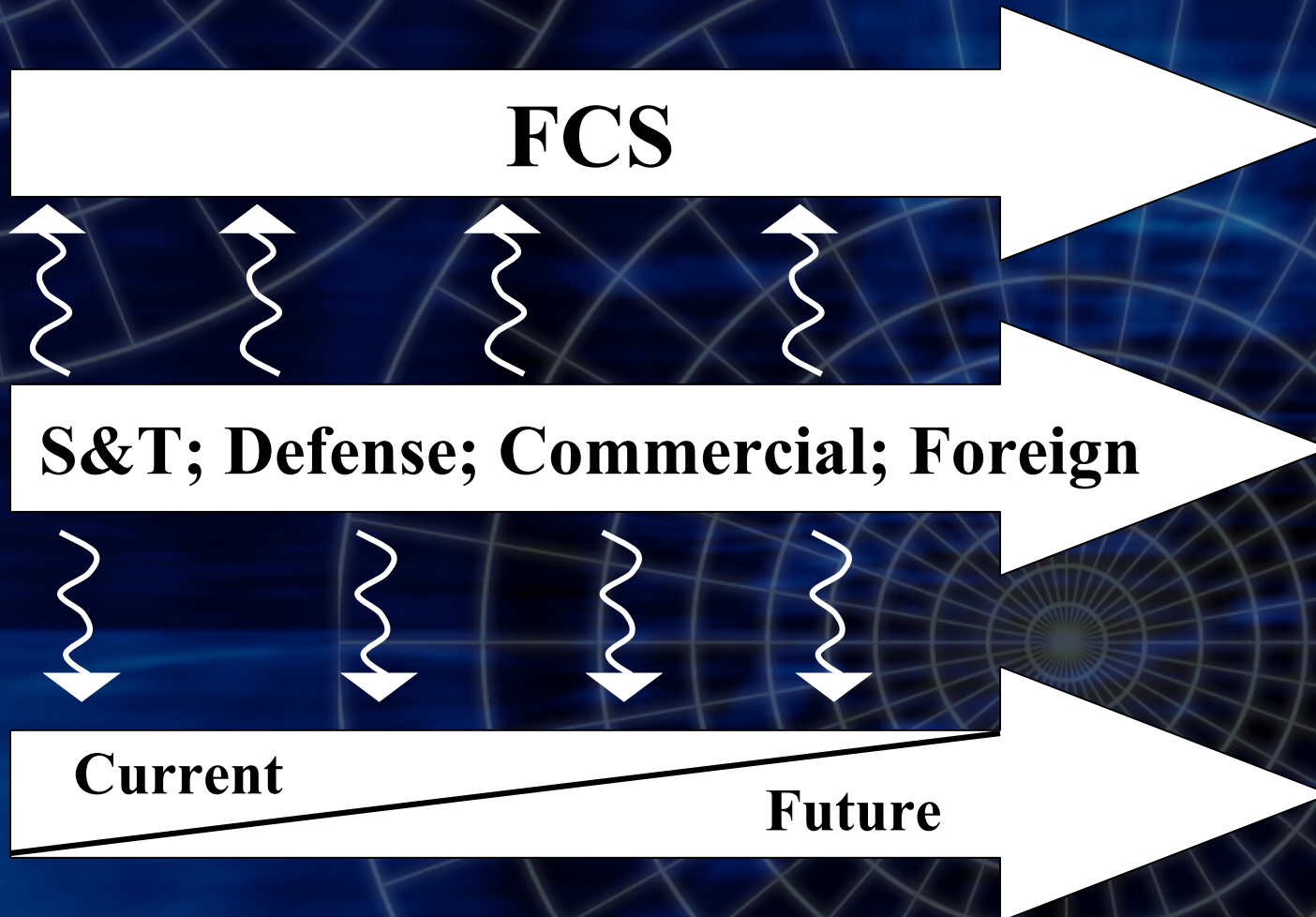
Trivia Answer

192 Tons

Trivia Question

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

(Hint: Trick Question)

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

FCS

S&T; Defense; Commercial; Foreign

Current

Future

Interceptor Body Armor (IBA)

**IBA   =   Outer Tactical   +   Ballistic Inserts (set)
Vest (OTV)**

LARGE
STRIKE FACE
HANDLE WITH CARE

TOP
7.62 mm M-80
BALL PROTECTION
U.S.

Ballistic Inserts are either the 4lb Small Arms
Ballistic Inserts (SAPI) containing
Spectra-Shield <u>or</u> slightly heavier plates made
from Kevlar or like products

Ballistic Plate Sets (SAPI Sets)

Cumulative Delivered Quantity

Sets of Plates (y-axis: 0 to 450,000)

Months (x-axis): Dec 02, Jan 03, Feb 03, Mar 03, Apr 03, May 03, Jun 03, Jul 03, Aug 03, Sep 03, Oct 03, Nov 03, Dec 03, Jan 04, Feb 04, Mar 04, Apr 04, May 04, Jun 04, Jul 04, Aug 04, Sep 04

Markers: 1, 2, 3, 4
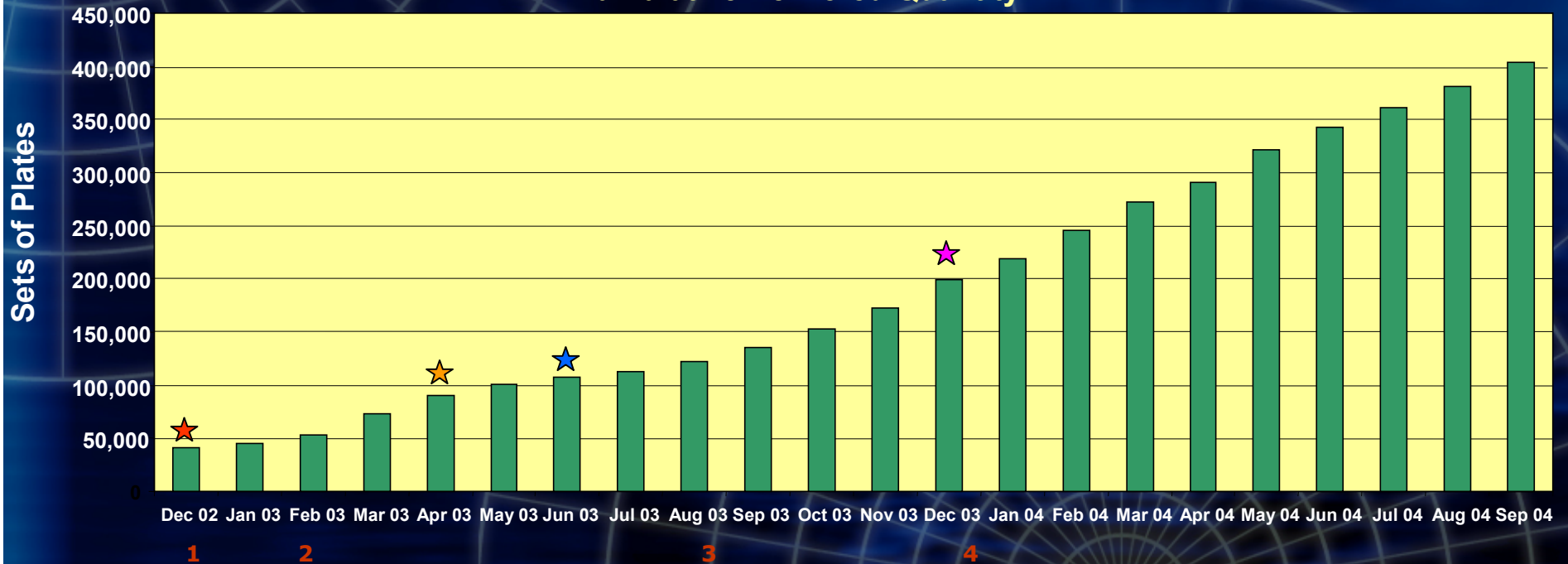
1. **Producers included Simula, Ceradyne and ArmorWorks**

2. **Point Blank added**

3. **Protech added**

4. **Force One added**

★ (red) **Army ramped production to the maximum rate to field deploying combat units before deployment into Iraq. Decision made to waiver weight requirement.**

★ (orange) **Army successfully met the operational requirement of distributing IBA to all Combat Forces prior to deployment into Iraq.**

★ (blue) **Decision to distribute IBA to all Soldiers and DoD Civilians.**

★ (magenta) **CSA decision to keep production ramped at 25K sets per month until entire Army requirement is complete.**

As of 30 Sep 04

'Fast and the Furious' UAH Production Acceleration

Oct 04   AOR Needs 8105* / Monthly Production 450

Jul 04   AOR Needs 5000* / Monthly Production 350

May 04   AOR Needs 4454 / Monthly Production 220

Jan 04   AOR Needs 4149 / Monthly / Production 138

Oct 03   AOR Needs 3279 / Monthly Production 76
First Acceleration Dollars Received

Aug 03   AOR Needs 1407 / Monthly Production 80

May 03   AOR Needs 235 / Monthly Production 15

*Estimated

'Days of Thunder'
Add-on Armor (AoA) Kit Testing and Production

5 Oct 04 — 9163 Kits Shipped to AOR / 8552 Fielded

23 Jan 04 — All 8400 AoA Kits on Contract

23 Dec 03 — 2860 Kits Ordered

23 Dec 03 — First Kit Dollars Received

14 Nov 03 — G-3 Directed Refined Requirement

23 Oct 03 — 1139 Kits Ordered

27 Oct 03 — First ARL Kits arrive in Balad

16 Oct 03 — Production of ARL 2 Door Kit begins

15 Oct 03 — ATC begins first Ballistic Tests

19 Jan 96 — Crew Protection Kit ORD

Rapid Equipping Force (REF)

REF IS an innovative provider of state-of-the-art equipment not available to commanders through the regular fielding process.

PACKBOT

Translators

Wellcam

REF Force Protection Package

EXSPRAY

FIBERSCOPE

MAGNETOMETERS

FERROTRACE

GE ITEMIZER3

WALKTHROUGH

Network-Centric Stryker Brigades

Infantry Carrier Vehicle

Mobile Gun System

Commander's Vehicle

Medical Evacuation Vehicle

Reconnaissance Vehicle

Engineer Squad Vehicle

Anti-Tank Guided Missile Vehicle

Mortar Carrier

Fire Support Vehicle

Nuclear, Biological, Reconnaissance Vehicle

Future Combat Systems

■ **Manned Systems**   ■ **Unmanned Air Vehicles**

Infantry Carrier Vehicle

Command and Control Vehicle

Class I

Class II

Class III

Class IV

Mounted Combat System

Recon and Surveillance Vehicle

NETWORK

• **Unattended Munitions**
  • **NLOS LS**
  • **Intelligent Munitions System**

• **Unattended Ground Sensors**

Non-Line of Sight Cannon

Non-Line of Sight Mortar

■ **Unmanned Ground Vehicles**

Small (Manpackable) UGV

FCS Recovery and Maintenance Vehicle

Medical Treatment and Evacuation

Armed Robotic Vehicle ARV RSTA ARV Aslt

ARV-A (L)

MULE: (Countermine)

MULE: (Transport)

Army Research, Development & Acquisition RDA Manpower & Funding Trends

Personnel Requirements Gap?

35% Increase in $$
17% Decrease in People
1999 - 2005

Legend:
- RDA Dollars (TY$B)
- PERSONNEL

Chart axes:
- Left axis: RDA $ (TY $B), 0 to 25
- Right axis: RDA Personnel (000), 0 to 250
- X axis: Fiscal Year, 89 91 93 95 97 99 01 03 05

Chart labels: $$, People
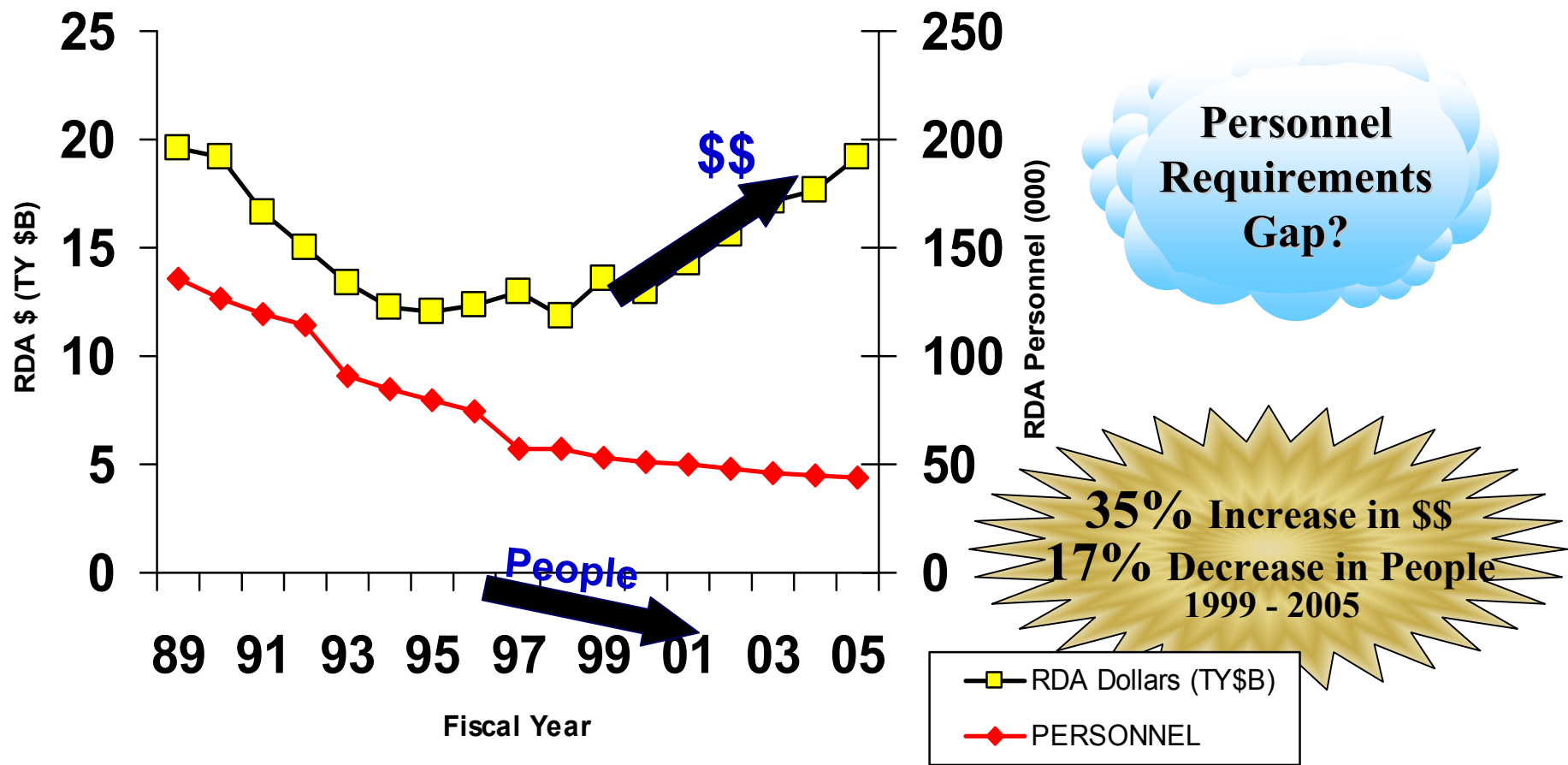
• RDA $ are President's Budget Future Year Defense Program (FYDP) data. Data obtained from the Army 's FYDP database.
*FY 1998-2005 PB 2000 FYDP data.
Prior Year data (FY89-97) is FYDP data reflecting 30 September actuals.

Things On My Mind

We're Meeting Our Tactical Industrial Requirements, Now We Need to Address Our Strategic Industrial Requirements.

How Do We Collapse the Response Time From Weeks, Months, and Years to Days and Weeks?
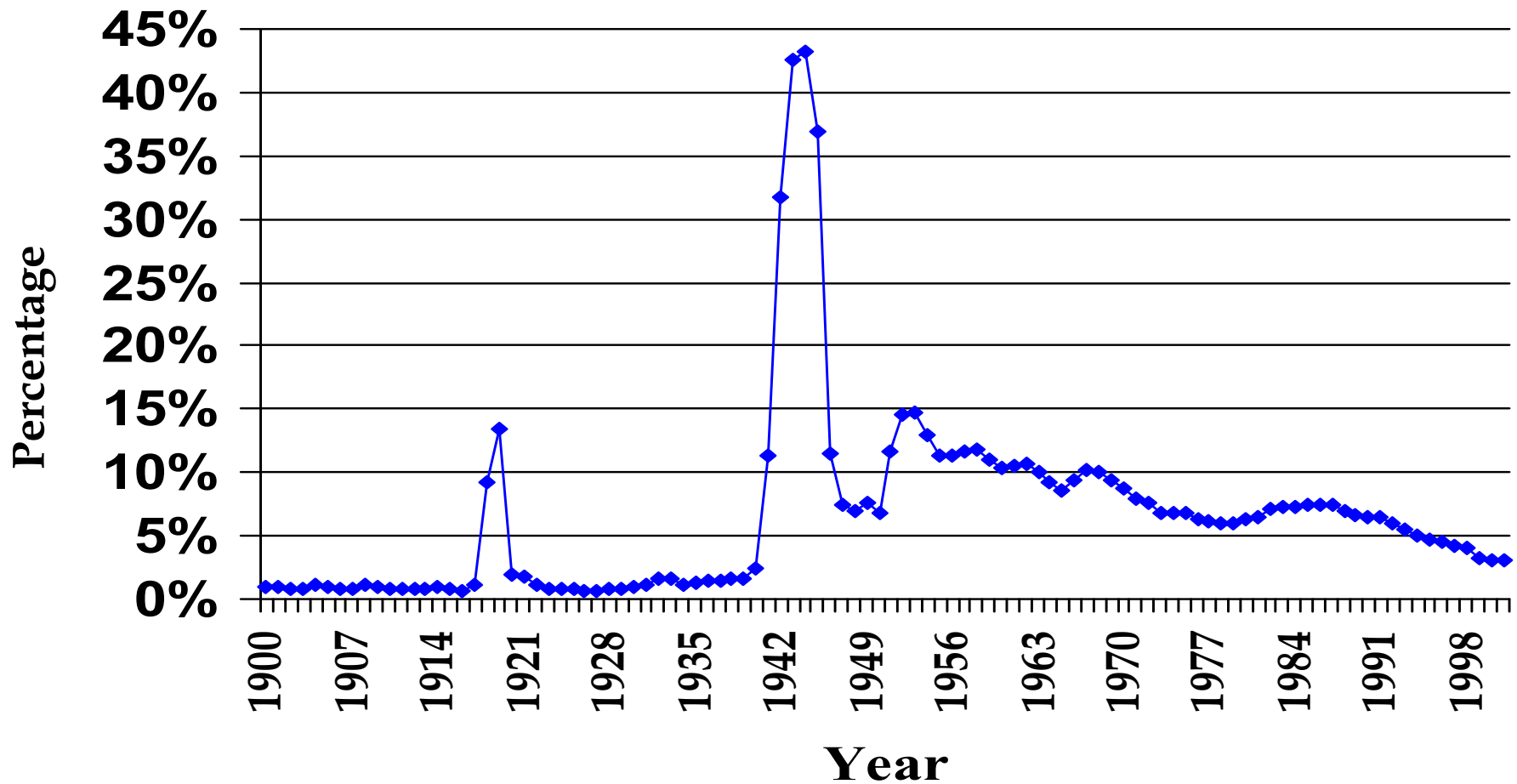
Trivia Question

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.
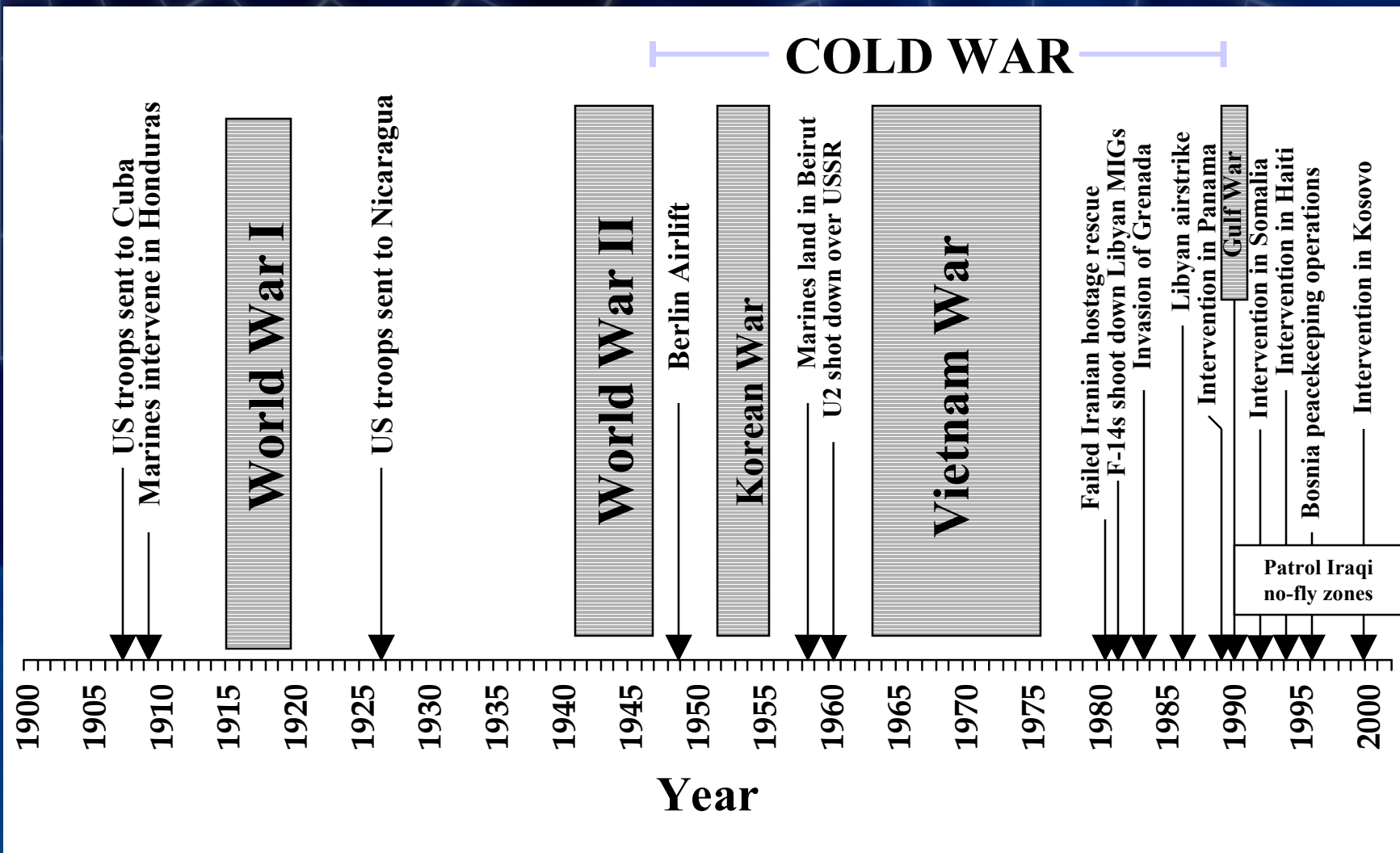
National Defense As Percentage of GNP/GDP

Since 1900

Conflicts with U.S. Involvement

Since 1900

COLD WAR

- US troops sent to Cuba
- Marines intervene in Honduras
- World War I
- US troops sent to Nicaragua
- World War II
- Berlin Airlift
- Korean War
- Marines land in Beirut
- U2 shot down over USSR
- Vietnam War
- Failed Iranian hostage rescue
- F-14s shoot down Libyan MIGs
- Invasion of Grenada
- Libyan airstrike
- Intervention in Panama
- Gulf War
- Intervention in Somalia
- Intervention in Haiti
- Bosnia peacekeeping operations
- Intervention in Kosovo
- Patrol Iraqi no-fly zones

1900 1905 1910 1915 1920 1925 1930 1935 1940 1945 1950 1955 1960 1965 1970 1975 1980 1985 1990 1995 2000
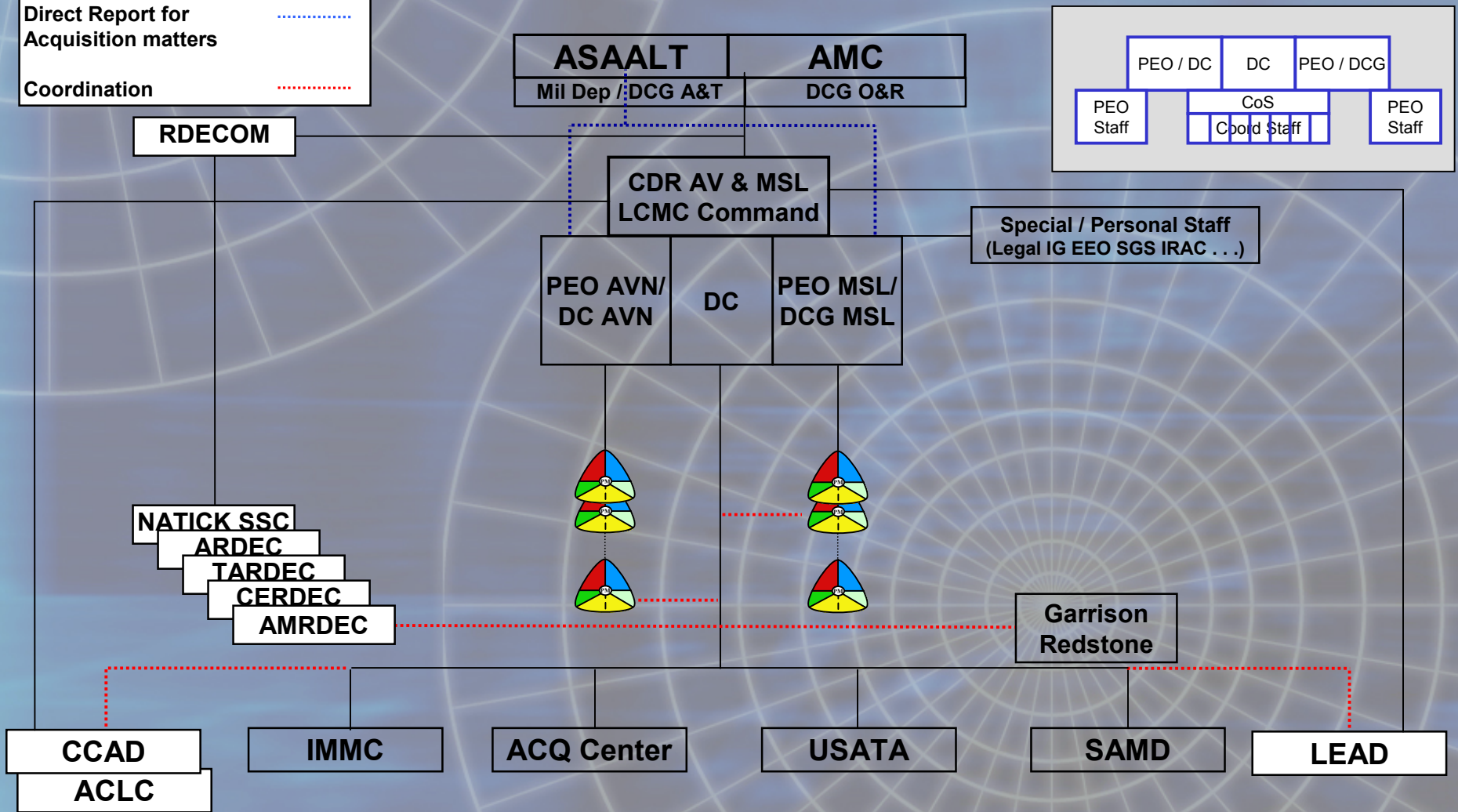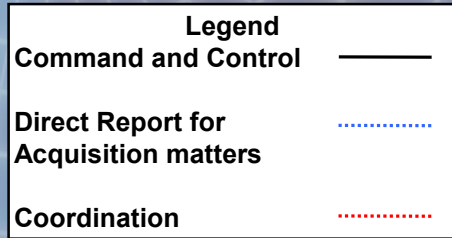
Year

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**

Organizational Diagram

Legend

Command and Control ──────────

Direct Report for Acquisition matters ···········

Coordination ···········

| PEO / DC | DC | PEO / DCG |
| PEO Staff | CoS / Coord Staff | PEO Staff |

ASAALT
Mil Dep / DCG A&T

AMC
DCG O&R

RDECOM

CDR AV & MSL LCMC Command

Special / Personal Staff
(Legal IG EEO SGS IRAC . . .)

PEO AVN/ DC AVN

DC

PEO MSL/ DCG MSL

NATICK SSC
ARDEC
TARDEC
CERDEC
AMRDEC

Garrison Redstone

CCAD
ACLC

IMMC

ACQ Center

USATA

SAMD

LEAD

Command formed based on Bolton-Kern MOA & implementing instructions
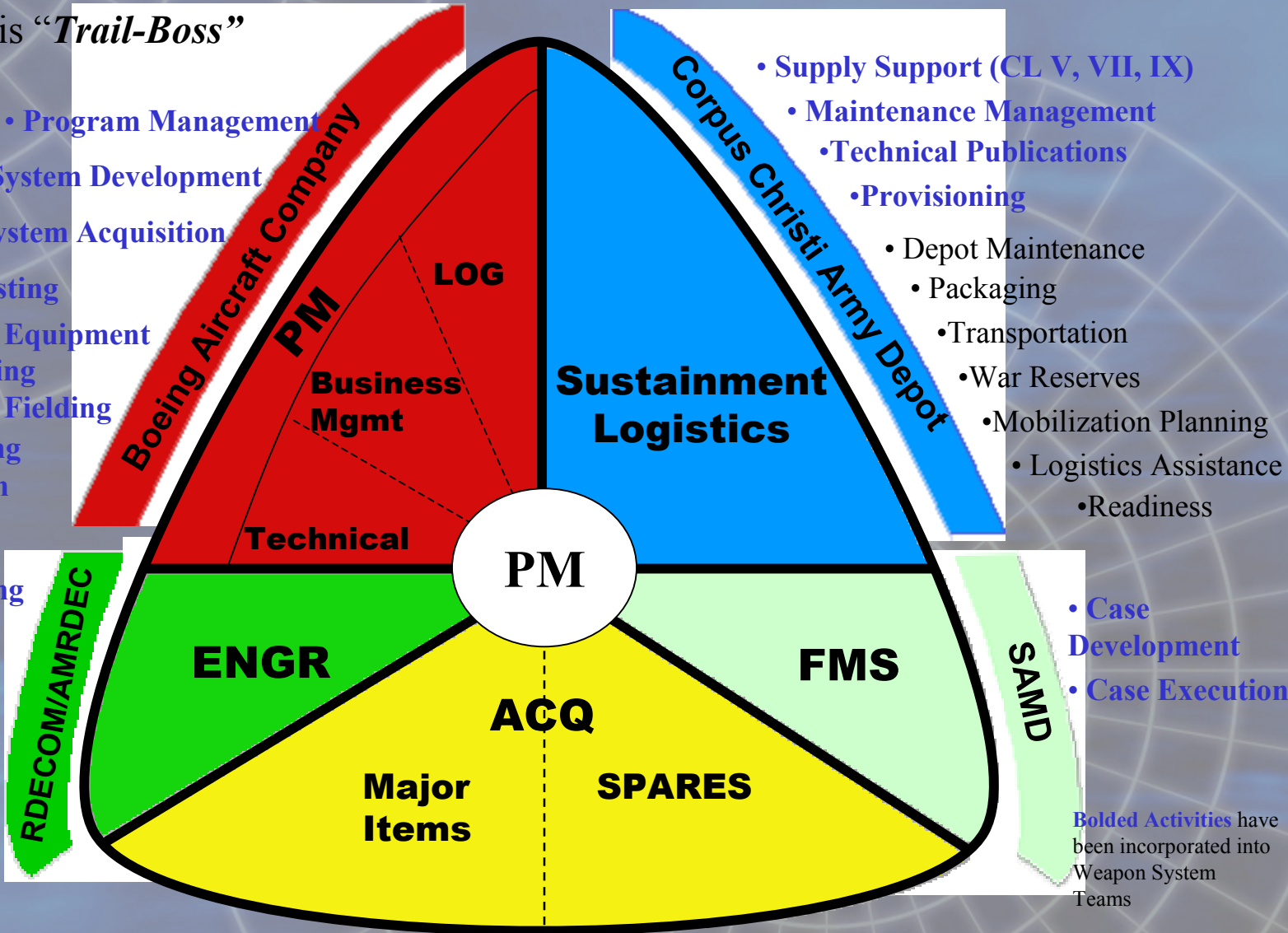
Aviation and Missile Life-Cycle Management Command

PM Is The Total Life-Cycle System Manager

PM is "*Trail-Boss*"

- **Program Management**
- **System Development**
- **System Acquisition**
- **Testing**
- **New Equipment Training**
- **Materiel Fielding**
- **Engineering**
- **Configuration management**

- **System Engineering**
- Air Worthiness
- Quality
- Industrial Base Planning
- Technical Data Management

Boeing Aircraft Company

PM

LOG

Business Mgmt

Technical

RDECOM/AMRDEC

ENGR

PM

ACQ

Major Items

SPARES

Sustainment Logistics

Corpus Christi Army Depot

- **Supply Support (CL V, VII, IX)**
- **Maintenance Management**
- **Technical Publications**
- **Provisioning**
- Depot Maintenance
- Packaging
- Transportation
- War Reserves
- Mobilization Planning
- Logistics Assistance
- Readiness

FMS

SAMD

- **Case Development**
- **Case Execution**

Bolded Activities have been incorporated into Weapon System Teams

- Acquisition Planning
- **Contracting**
- **Contracting Management**

Life-Cycle Management Commands

• Enhance synergy and effectiveness of the Army Acquisition, Logistics and Technology communities working together to get products to the Soldier faster, make good products even better, and minimize life-cycle cost.

• Provide an integrated, holistic approach to product development and system support.

• Position the workforce to meet future needs.

• Focus metrics on improving quality, reducing cost, meeting schedule, balancing risk and responsiveness to the Soldier.

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