

CIO Initiatives

Electronic Business

MILCOM

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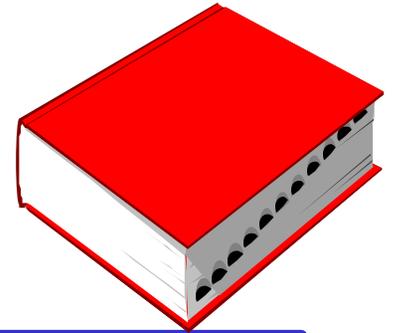
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EB Objective Working Definition



eBusiness...

- ◆ **Exploitation of Information Technology (IT) to Improve Business Processes:**
 - IT Always involved (CIO's CCA Role)
 - Improve = Reengineer Processes
 - Performance Metrics and success criteria must be set by functional leaders
- ◆ **Broadly speaking - *doing business electronically***

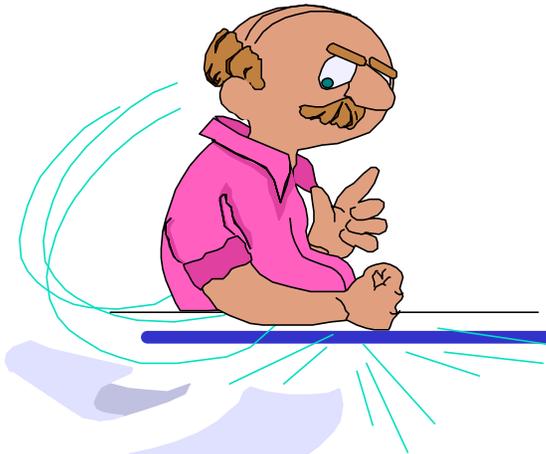
Sources of Federal and Defense EB Strategy

- ◆ National Partnership for Reinventing Government
- ◆ Federal Acquisition Streamlining Act of 1994
- ◆ Federal Acquisition Reform Act of 1995
- ◆ IT Management Reform Act of 1995
- ◆ Debt Collection Improvement Act of 1996
- ◆ President's Memorandum of July 1997
- ◆ EC in Federal Procurement Act of 1998 (Sec 850)
- ◆ DoD E-Mail System for Supply Purchases (Sec 332)
- ◆ E-Sign for Federal and Global Commerce Act 2000
- ◆ Rapidly Evolving Technology



**NOTE: Changing Landscape and
Highest Level of Government Interest**

Imperatives



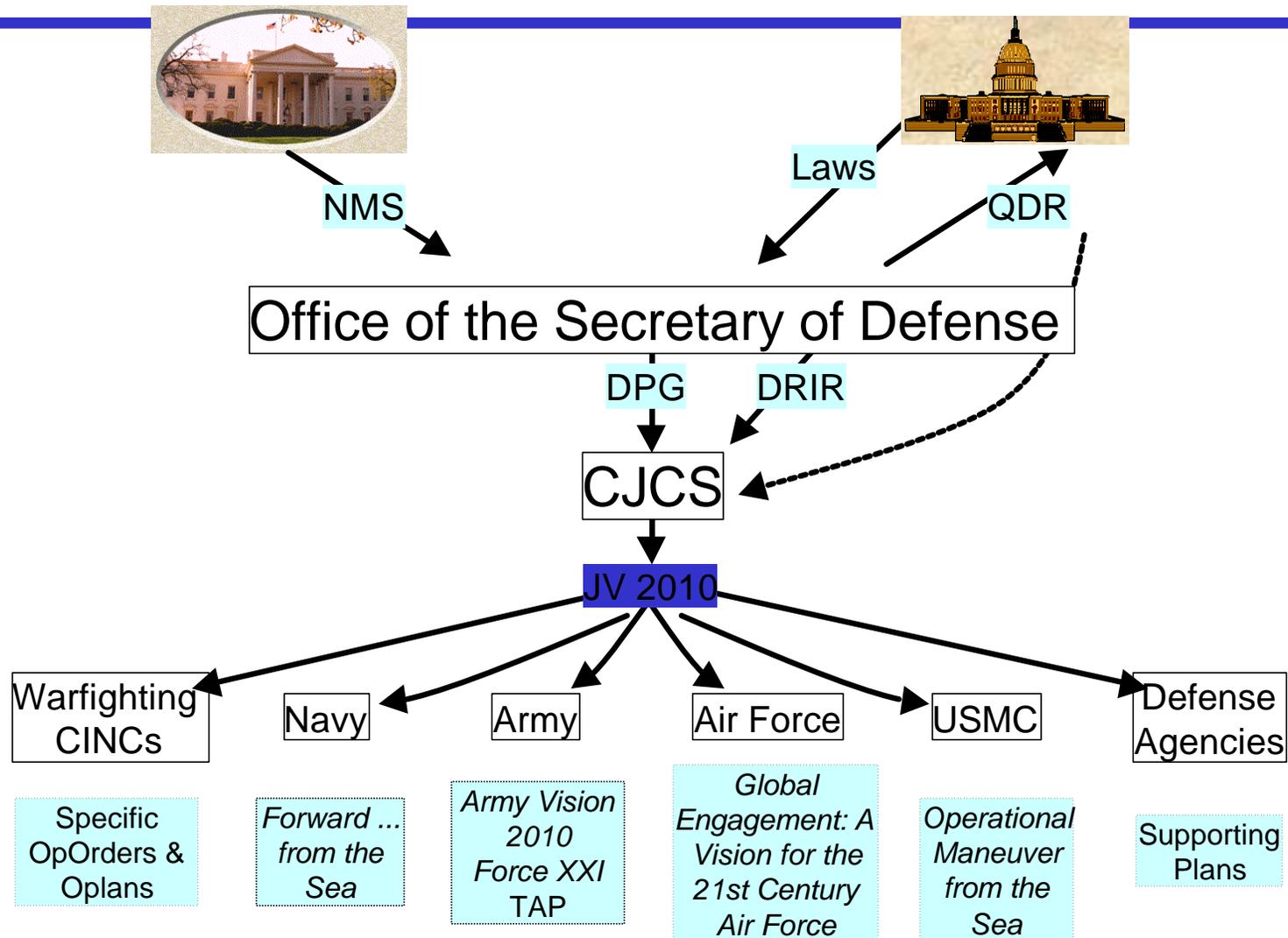
- ◆ **Single Face to Industry**
 - International and Federal Standards
 - A Common Vendor Registration System
 - EDI, EFT & EBT
- ◆ **Public Transactions**
- ◆ **Improve Access for Small Businesses**
- ◆ **Commercial Products & Practices**
- ◆ **Protect Privacy and Property Rights**

Electronic Business/ Electronic Commerce

DoD EB/EC Strategic Planning



Defense Planning Relationships



Defense IT/EC Planning Relationships

- Pres. Memo: "Procurement Streamlining" (26 Oct 93)
- E.O. 13011 (16 Jul 96)
- Access America (Feb 97)
- Pres. Memo: "EC" (A Framework for Global EC) (1 Jul 97)



Executive Orders, Memos, etc.

NMS

President's Management Council's Electronic Process Initiatives Committee "EC for Buyers and Sellers: A Strategic Plan for Electronic federal Purchasing and Payment" (Mar 98)



Laws

QDR

Clinger-Cohen/ITRMA (1996)
 GPRA
 FASA (1994)
 Debt Collection & Prompt Payment Act (1996)
 Acquisition Reform Act (1995)

Office of the Secretary of Defense

- DoD ITM Strategic Plan
- DoD CIO Business Plan

DPG

DRIR

CJCS

SecNav/
Nav CIO

SecArmy/
Army CIO

SecAF/
AF CIO

Warfighting CINC's

Specific OpOrders & Oplans

Annex K

Forward ... from the Sea

- Copernicus ... Forward
- DON IM/IT Strategic Plan

Army Vision 2010 Force XXI TAP

- Army Enterprise Strategy: The Vision

Global Engagement: A Vision for the 21st Century

- Horizon
- Vistas: AF Information Resources Management
- AFITM Plan

USMC

Operational Maneuver from the Sea

Defense Agencies

Supporting Plans

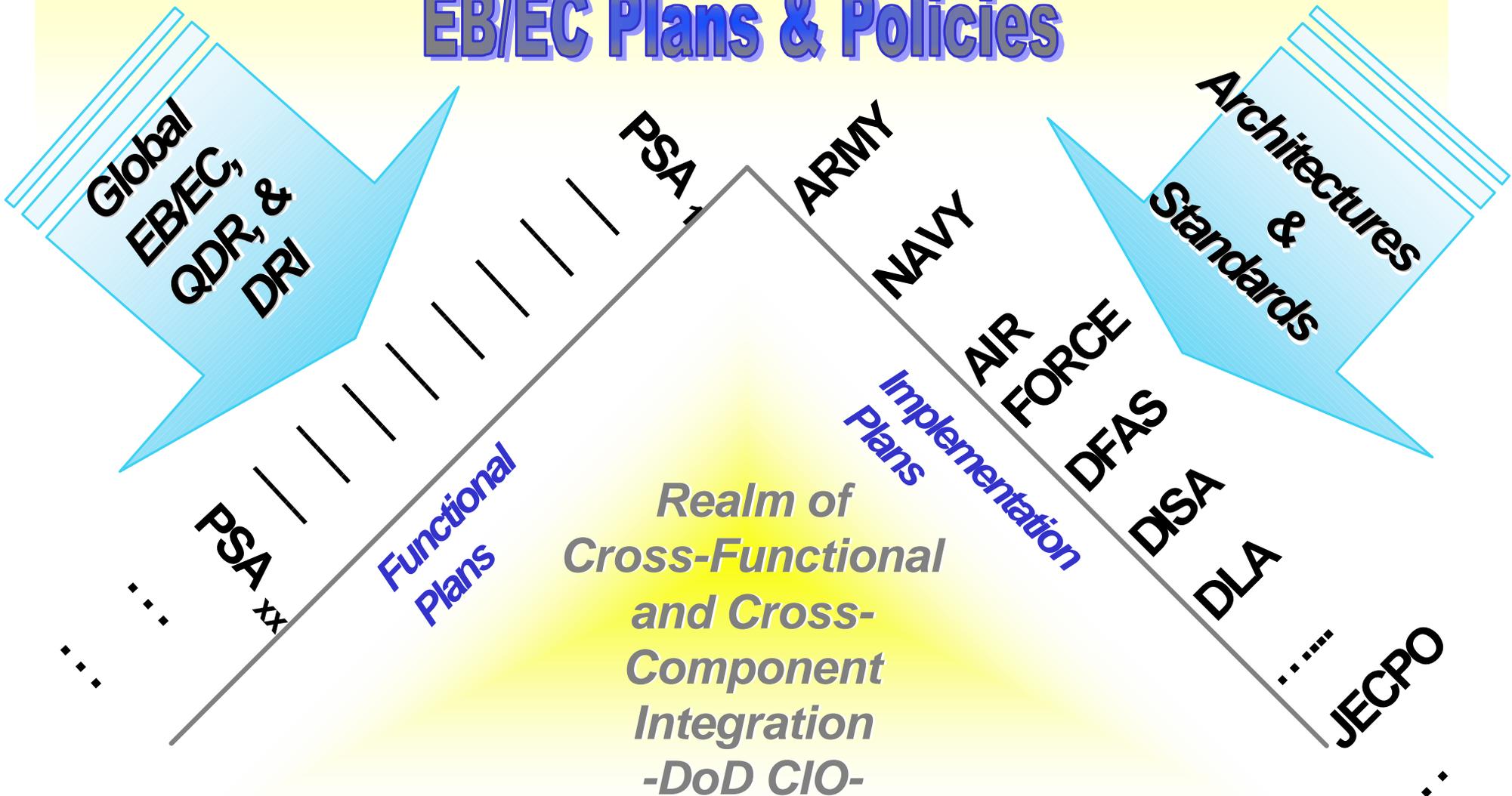
DoD Directive 8190.2: The DoD EB/EC Program

- ◆ **Codifies DoD CIO EB/EC Guidance**
- ◆ **Establishes:**
 - **DoD Joint EB/EC Program**
 - **Policy and assigns responsibilities**
 - **JECPO reporting relationship to DoD CIO**
 - **DoD CIO as OSD Principal Staff Assistant for the EB/EC Program**

<http://web7.whs.osd.mil/pdf/d81902p.pdf>

EB/EC Planning

EB/EC Plans & Policies



Electronic Business/ Electronic Commerce

EB/EC

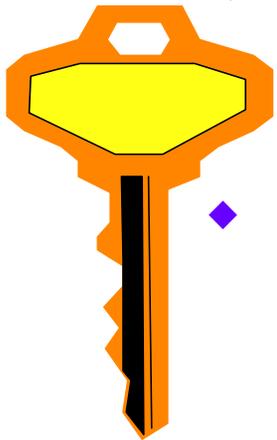
Trust Assurances



Electronic Business Assurance

a.k.a. Information Security

- ◆ **Security is key to EB/EC's success**
 - Protection in Cyberspace
 - Gain Acceptance by Electronic Trading Partners
- ◆ **Digital Signature (Hardware Based)**
 - Integrity
 - Authentication
 - Non-Repudiation (Both Ends)
- ◆ **Encryption**
 - Privacy - Confidentiality
- ◆ **Application of Assurances to Processes**
- ◆ **Guaranteed Service/Availability/Delivery**
- ◆ **Controlled Liability**



The Security Dilemma



Open System, Network Enterprise

- **Cost Effective**
- **Easily Maintained**
- **Responsive to Change**
- **User Friendly**



Vulnerabilities: A Way of Life

- **Global Exposure to Malevolent Actors**
- **Hacker Tools/Techniques Freely Exchanged**
- **Solutions Become a Race Against Time**

DoD Smart Card Roadmap

- ◆ **The card platform will include all relevant media**
- ◆ **This will be the predominant platform for the PKI hardware token**
- ◆ **This “DoD Common Access Card (CAC)” will be the Military and Civilian Identification Card**
- ◆ **We will use DEERS/RAPIDS platform for card maintenance**
- ◆ **DoD (OSD/C3I/CIO) will head up a configuration control board (with Service Reps) to specify technical allocation of chip**
- ◆ **Space will be allocated on the chip for Services/Agencies specific application**
- ◆ **OSD functional leaders (P&R, Comptroller, C3I, etc.) will convene community panels to develop consensus for data element standardization on chip space**

Electronic Business/ Electronic Commerce

Business Opportunities (Public Solicitations)



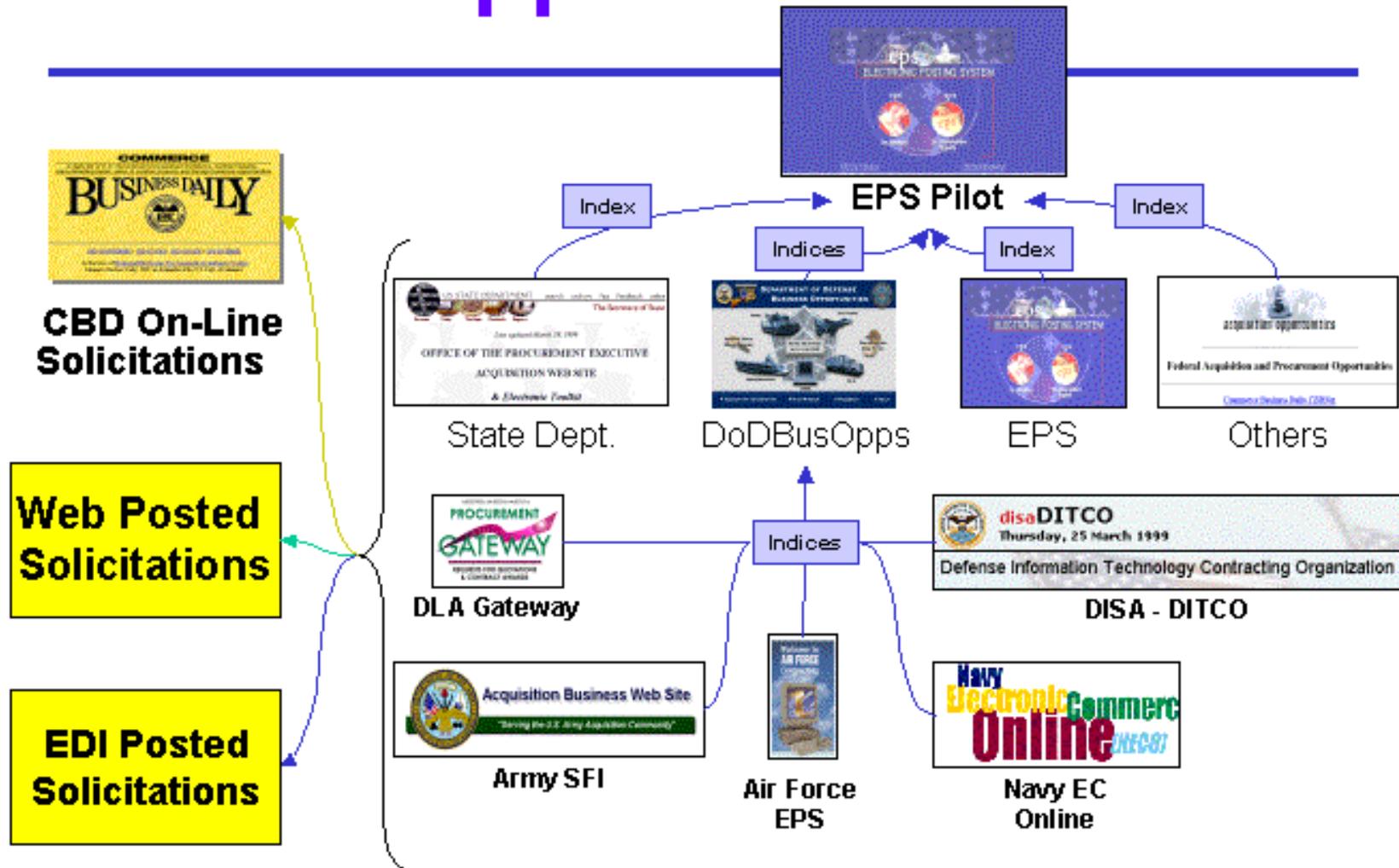
FedBizOpps Pilot Agencies

(Program Formerly Known as EPS)

- ◆ **General Services Administration**
- ◆ **National Aeronautics & Space Admin.**
- ◆ **U.S. Air Force**
- ◆ **Department of Transportation**
- ◆ **Department of Commerce**
- ◆ **Department of Treasury**

<http://www.ec.fed.gov/fedbizopps.htm>

Federal Single Access for Opportunities



Federal Electronic Commerce Program

Electronic Business/ Electronic Commerce

Potpourri of Initiatives



Common EB Projects

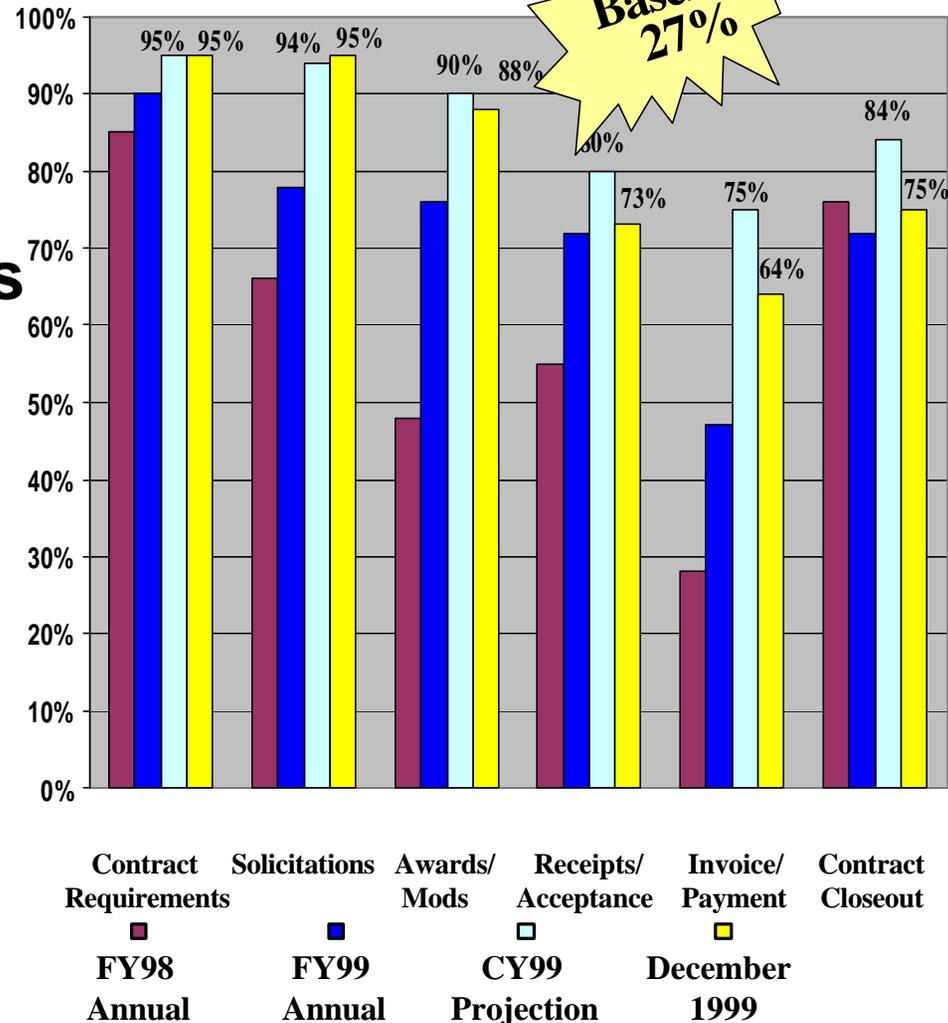
- ◆ **Central Contractor Registration**
- ◆ **Electronic Mall**
- ◆ **Past Performance Data Base**
- ◆ **Defense Electronic Business Exchange**
- ◆ **Defense Business Opportunities**
- ◆ **Common Access Card / Smart Card**
- ◆ **Business Area / Combat Support Architectures (GIG Track 2)**
- ◆ **.....More.....**

Percent of DoD Paperless Contracting Transactions Achieved, by Fiscal Year

**89%
Paperless
Overall!**

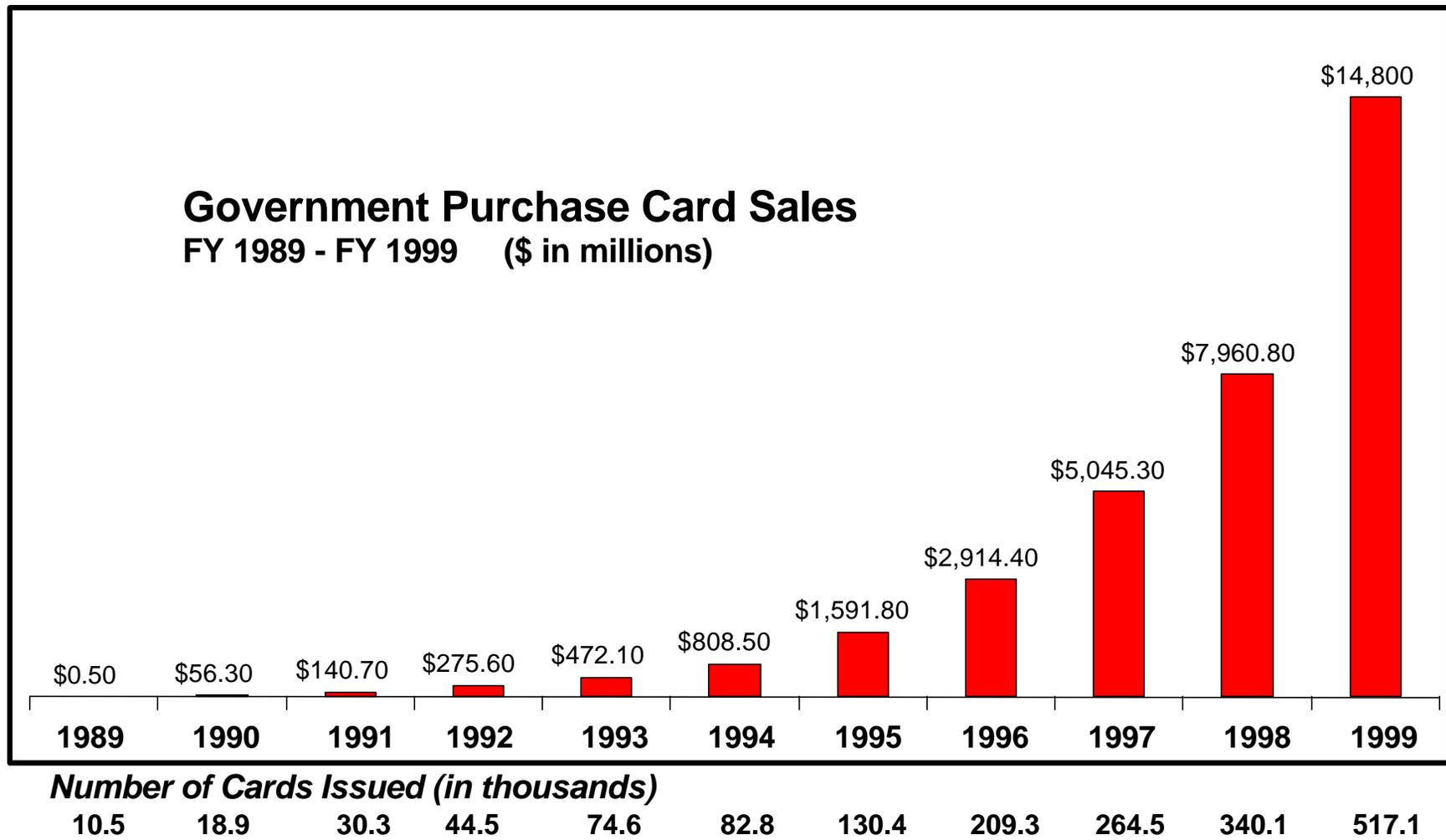
**Baseline
27%
2000**

- ◆ Five primary metrics support paperless contracting assessment
- ◆ Delegated contract closeout is a sixth area being monitored for contracts delegated to the Defense Contract Management Command
- ◆ DoD has maintained steady progress each year since embarking on this effort



GSA Reports:

Purchase Card Sales Keep Growing





Electronic Business

- Future -

- ◆ **EB will expand in most functional areas**
- ◆ **Expanded Vision and Concept**
 - EDI / EBT / EFT / E-Cats / Cards /
- ◆ **Continued business process redevelopment**
- ◆ **Continued Emphasis on Standards and application of best practices**
- ◆ **More E-Catalogs - Shared & Secure**
- ◆ **Smart Cards -- More & Improved**
- ◆ **Web-Based EC Grows - with Security**
- ◆ **Internet Use Grows -- with Security**

