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# Joint Web Risk

## Assessment Cell

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27 November 2001

*MAJ Henry J. Sienkiewicz*  
*Alpha Team Chief, Joint Web Risk*  
*Assessment Cell*

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# **JWRAC Mission**

- **Conduct ... analyses of content and data resident on publicly accessible DoD Web sites**
- **Attention to:**
  - **Cross-component Analysis of DoD Web Information**
  - **Trend Analysis**
  - **Data Aggregation**
- **Force Protection**

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# JWRAC Background

## WHY TEAM FORMED TO ADDRESS

- **DoD's increasing reliance on Web**
  - ≡ Public's "Right to Know"
  - ≡ Business process streamlining/Defense Reform Initiative
- **Vulnerabilities associated with that reliance**
- **Need for additional policy and guidance**

**Joint Reserve and National Guard unit**

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# JWRAC MISSIONS

- **Vulnerability Assessment** – Determine if DOD Web Content either in itself or in the aggregate, is sensitive to the point where it creates potential vulnerability for DOD operations, personnel, organizations or equipment.
- **Compliance Assessment** – Determine if information, which appears on DOD web sites, is in compliance with policy issued by Department of Defense, the Military Departments and Defense Agencies
- **Trend and Metric Reporting** – Determine and report trends with respect to the growth and scope of DOD Internet presence. Identifying the information being made available via the Internet and how is the profile changing over time?

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# **On-going Support**

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- **Full time analyst support since 11 Sept**
- **Surge to accommodate on-going operations**
- **Analysis of each CINC/Service/Agency**
- **Analysis of Operation Noble Eagle and Operation Enduring Freedom**

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# The Dilemma

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**Balancing mission  
benefits against  
potential risks**

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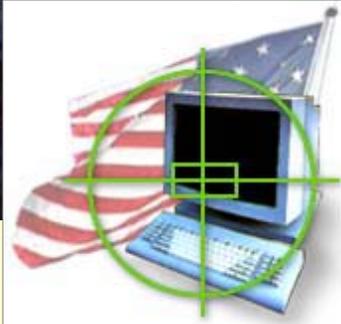
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# Information Operations Adversaries

- *There are over 100 countries with IO capabilities*
- *Approximately 20 countries have targeted the U.S.*
- *Several have capabilities equal to the U.S.*



Information Warfare Center, Kelly Air Force Base.



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# The New Information Channels

First Gov

## Where is government information?



Imagine all the government's publicly available information being in various rooms in a skyscraper.

It is an imposing task to find any particular piece of information, so we'd like to make it accessible, even inviting.

If you know exactly where it is, you can go directly to that floor, that office.

If not, we're here to help.

1

First Gov

## Making information easy to find

That's the metaphor. The following slides describe how it will work.

Remember one thing: FirstGov will help you get started and be a familiar place if you get lost. And, it will provide answers to some obvious queries.

Also remember, the government's web pages are hosted and managed by the federal agencies, who will welcome FirstGov having helped you navigate to their web site.

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# DoD Open Disclosure Policy

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“It is the policy of the Department of Defense to make available timely and accurate information so that the public, Congress, and the news media may assess and understand the facts about national security and defense strategy.”

-- Secretary Cohen, 1 Apr 97

“I am **amazed** at the **amount and content of open-source material** available over the Internet from **US military** and other government agencies... An enemy of the US does not need to have specific war/operations plans **when so much info about US doctrine is openly available.**”

-- Foreign IW Officer, Feb 1998

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# Examples of Information Operations Targets

## Target Areas

### Human Factors

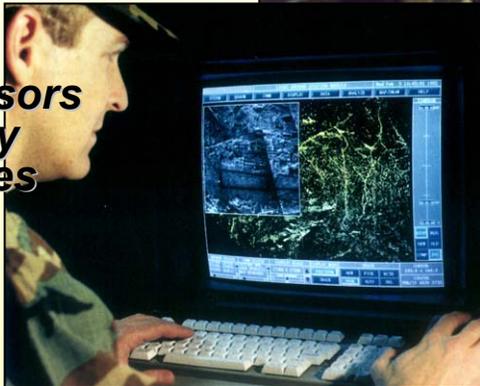
National Command Authorities  
Commanders  
Troops  
Populace Groups

### Links

Transportation  
Communications

### Nodes

Processors  
Industry  
Satellites



Ref. Joint Pub 3.13

## Targets

### Leadership

Civilian  
Military

### Civil Infrastructure

Transportation  
Communications  
Energy  
Finance  
Industry

### Military Infrastructure

Communications  
Intelligence  
Logistics  
Operations

### Military Weapons Systems

Aircraft  
Artillery  
Precision-Guided Munitions  
Air Defense



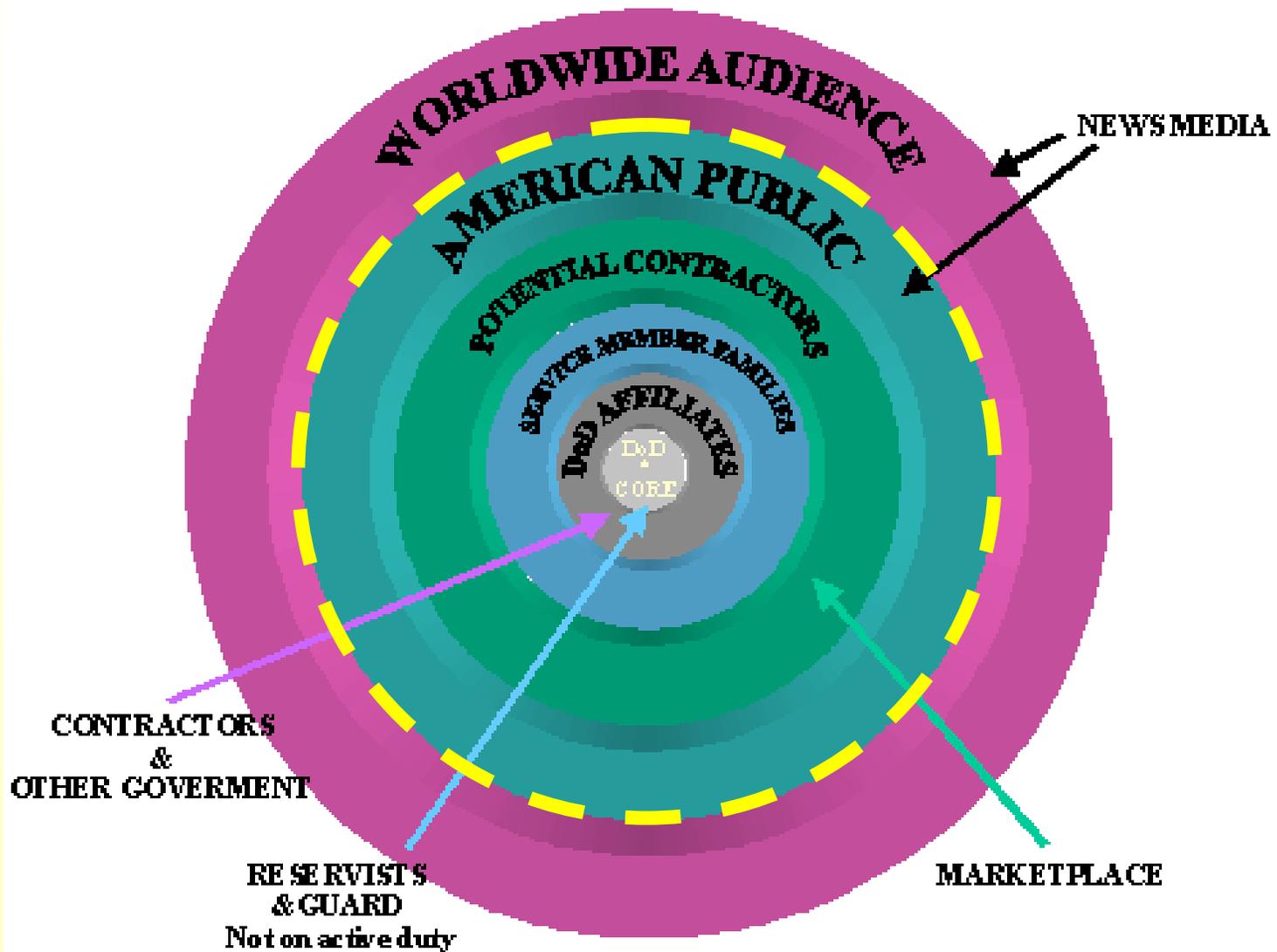
Photo Courtesy of MDARNG PAO

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# Target Audience

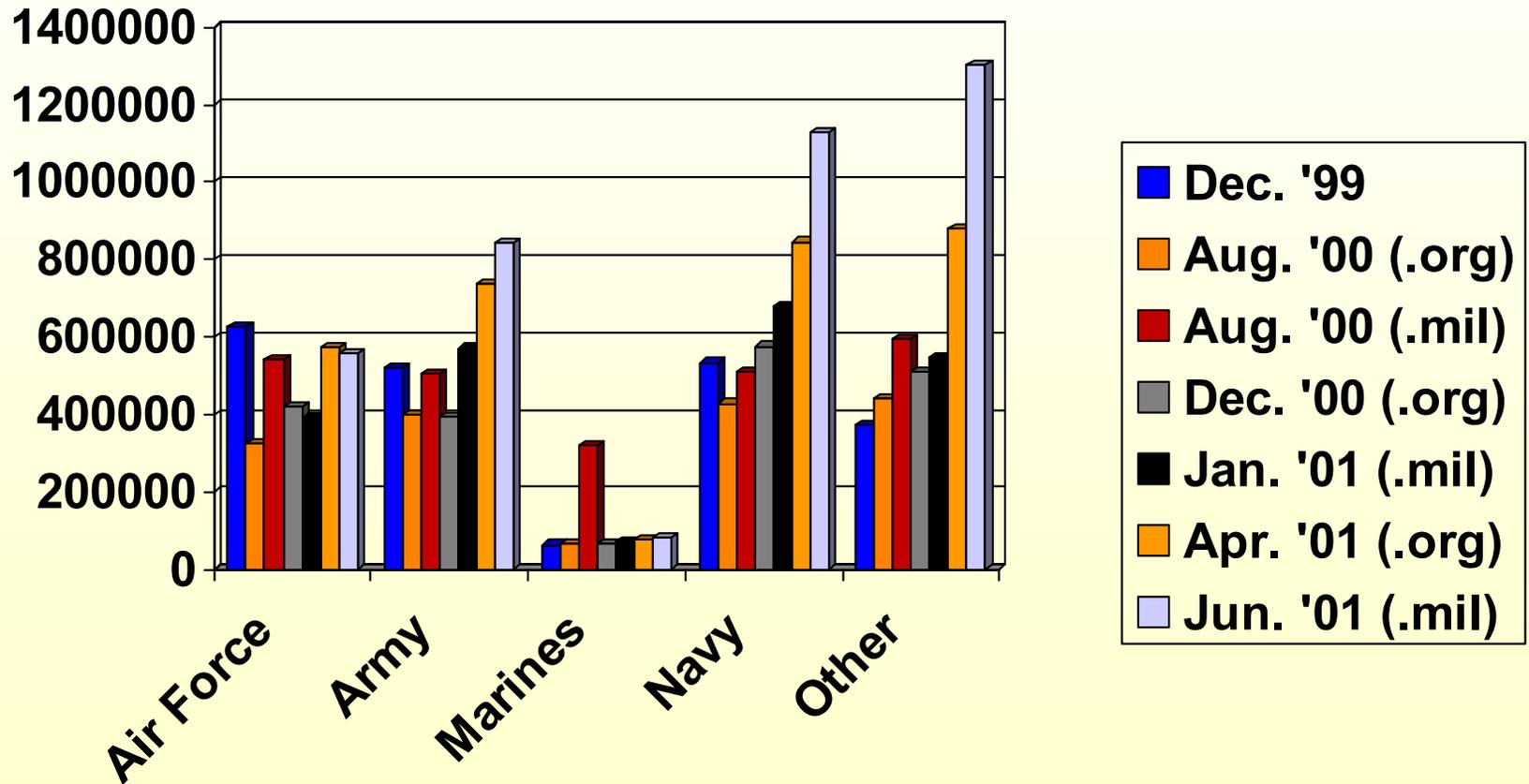


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# Total Files on DOD Web Servers

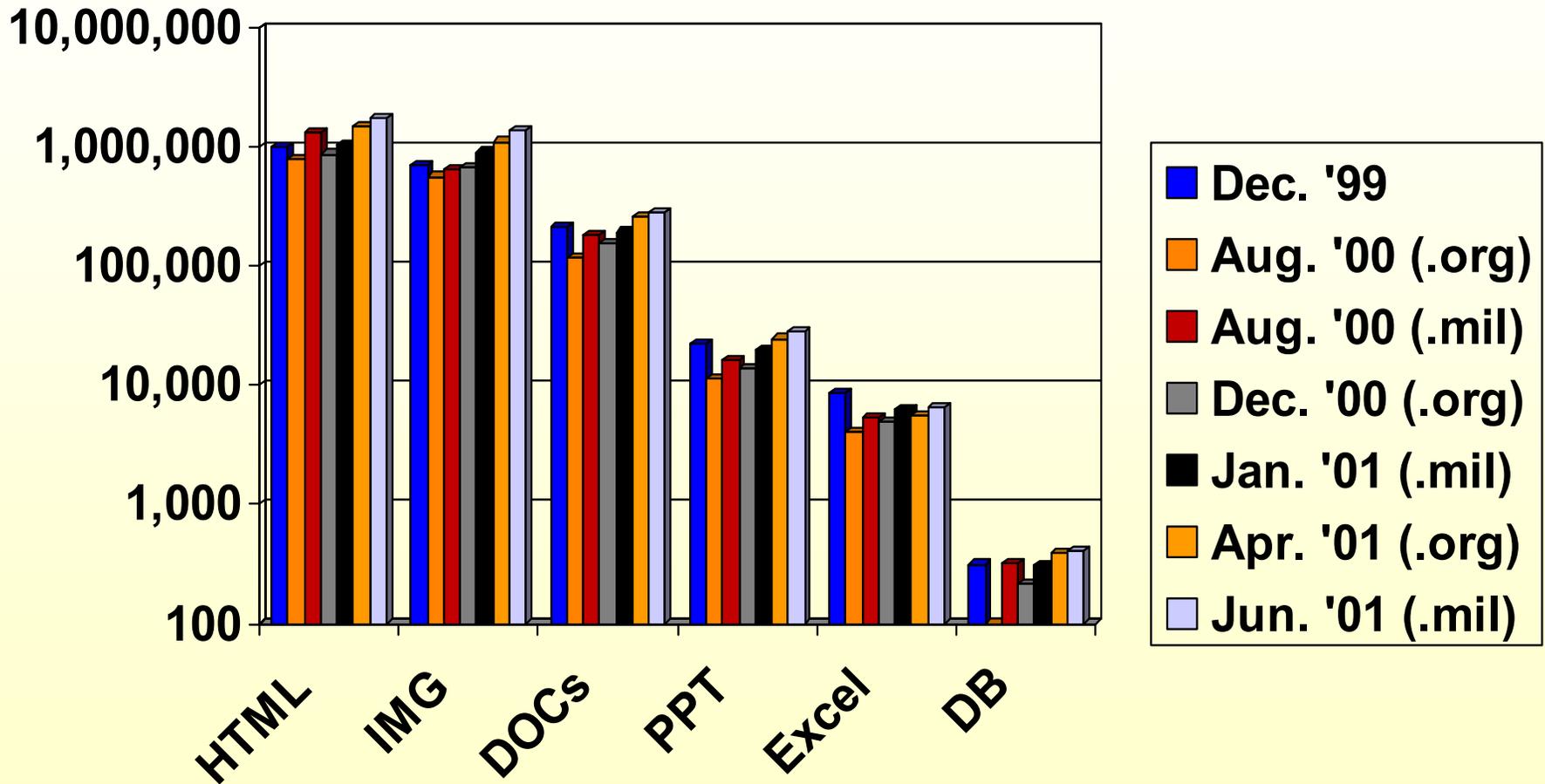


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# File Types on DOD Web Servers



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# **Significant Findings**

- **Classified documents**
- **Detailed exercise participant information and lessons learned**
- **FOUO documents and messages**
- **CONOPS / SOPs**
- **Mission Area Plans, including annexes w/ MNS/ORD-type data**
- **Briefings intended for select audiences**
- **Detailed personal data, org charts, photos**

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## **The Main Issue: OPSEC**

- **Exploding Internet presence =  
Low % OPSEC monitoring of postings**
- **Lack of / inconsistent OPSEC training &  
awareness**
- **Competition to have best / most / “coolest”**
- **Personnel unfamiliar with policy**
  - **Its existence and requirements**
  - **Their responsibilities**
- **Issue must be addressed at the “faucet”...**
  - **Command / Service / Agency**
- **... Because, at the “dam,” it’s too late**
  - **Example: Napster / mp3s**

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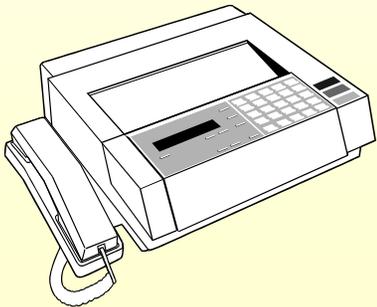


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# Web OPSEC Litmus Test



- **Afghanistan**
- **China**
- **N Korea**
- **Russia**
- **Iraq**
- **Cuba**
- **Libya**
- **UBL**
- **??**



REMEMBER:

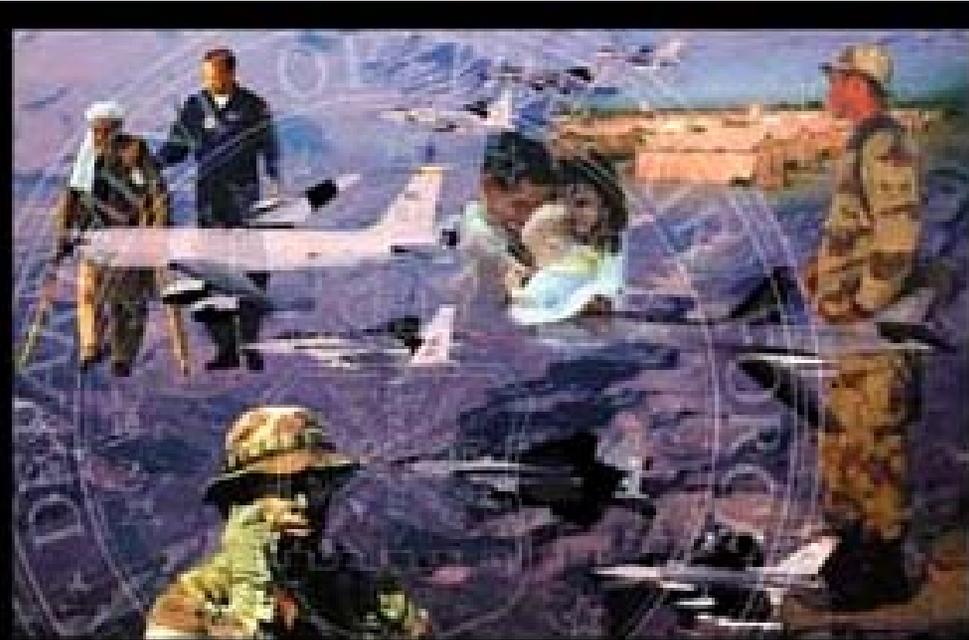
**WORLD-WIDE** WEB

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# Sample Analysis: Air Expeditionary Force On The WEB



**EXPEDITIONARY AEROSPACE FORCE**



*A Vision for the 21st Century Air Force*

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# Initial Data Collection

HEADQUARTERS UNITED STATES AIR FORCE

AFRC Expeditionary Combat Support (ECS)



1 August

## Program Action Directive 99-01

DEPARTMENT OF THE AIR FORCE  
EXPEDITIONARY AEROSPACE FORCE IMPLEMENTATION DIRECTORATE  
DEPUTY CHIEF OF STAFF OF AIR & SPACE OPERATIONS  
PENTAGON, WASHINGTON D. C. 20330-1630

FOR OFFICIAL USE ONLY

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ACC PROGRAMMING PLAN 99-09

## EXPEDITIONARY AEROSPACE FORCE IMPLEMENTATION



Sourcing Process

IS:

CS Sourcing Template will be approved  
Personnel requirements are approved and validated

numerical  
publish so  
kes prid

USAFE PROGRAMMING PLAN

5016-99

HQ USAFE

EXPEDITIONARY AEROSPACE FORCE

IMPLEMENTATION PROGRAMMING PLAN

HQ AIR FORCE MATERIEL COMMAND

PROGRAMMING PLAN 99-01

EXPEDITIONARY AEROSPACE FORCE IMPLEMENTATION

1 October 1999



PREPARED BY HQ AFMC/XPX

FOR OFFICIAL USE ONLY

## Concept of Operations (CONOPs)

for a

USCENTCOM AEROSPACE EXPEDITIONARY  
FORCE (AEF)

PROGRAMMING PLAN 99-04  
FOR OFFICIAL USE ONLY

HQ PACIFIC AIR FORCES  
HICKAM AFB HI 96853-5417

## EXPEDITIONARY AEROSPACE FORCE IMPLEMENTATION 13 OCT 99



1. PURPOSE: To provide a basis for determination of the security classification assigned to the information contained in this Programming Plan (PPlan).

2. GENERAL:



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# Found Data Points

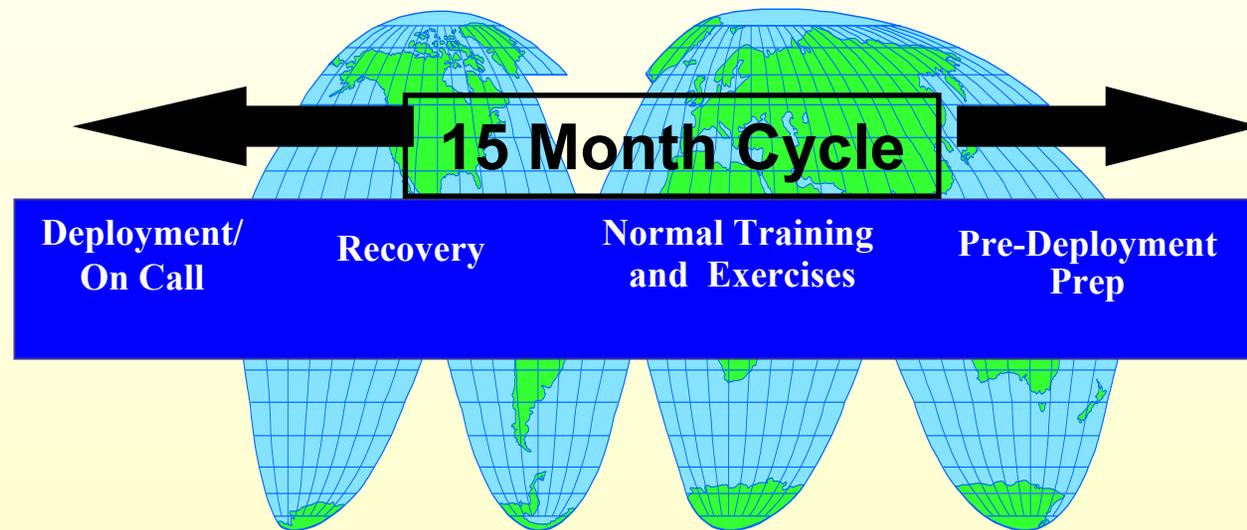
## *Lead Wings*

## *AEF Concept*

**Aerospace  
Expeditionary  
Forces**

**Mobility  
Wings**

**Aerospace  
Expeditionary  
Wings**



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# Data Aggregation

Main Menu : Form

## AEF SOURCING ANALYSIS PROGRAM

PAS Code

OR

MAJCOM Code

AEF (\* = All)

Submit

For a quick count of total taskings, enter your information and hit the submit button

AEF (\* = All)

Preview

If you'd like to view the DRMD(s), select the appropriate AEF and hit the preview button



- Total MAJCOM Taskings



- Total Base Taskings



- Total Unit Taskings



- Total Unit Taskings by UTC and AFSC



- Total Unit Taskings by Deployed Location

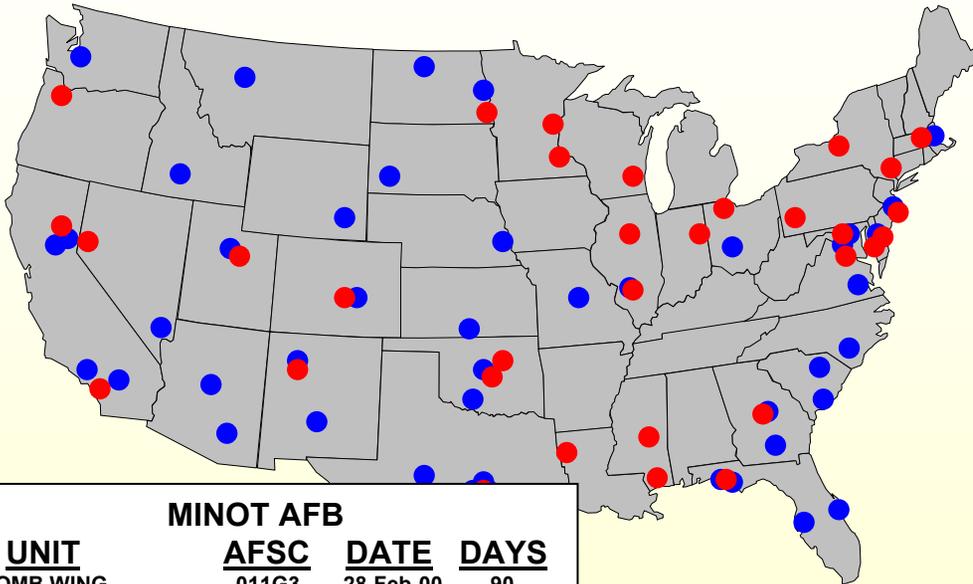
Use these buttons to create tables for tasking comparisons. If you are more comfortable with Excel, you can copy and paste the resulting tables into Excel for further analysis.

Exit Database



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# The Whole Picture



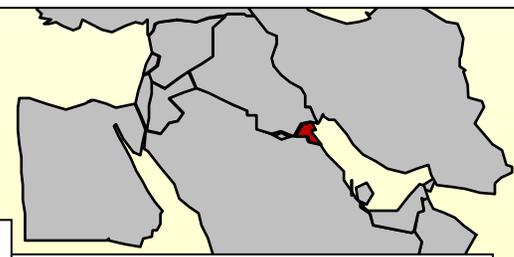
### Deployment Dates

09-Feb-00	17	01-Mar-00	46	04-Apr-00	11
16-Feb-00	13	02-Mar-00	1	09-Apr-00	53
18-Feb-00	1	03-Mar-00	28	20-Apr-00	1
19-Feb-00	11	04-Mar-00	4	22-Apr-00	1
22-Feb-00	3	05-Mar-00	20	23-Apr-00	53
23-Feb-00	13	07-Mar-00	9	29-Apr-00	14
26-Feb-00	1	08-Mar-00	16		
27-Feb-00	70	11-Mar-00	2		
28-Feb-00	55	12-Mar-00	53		
29-Feb-00	62	13-Mar-00	36	07-May-00	52
		15-Mar-00	47		
		17-Mar-00	16		
		19-Mar-00	1		
		20-Mar-00	14		
		22-Mar-00	24		
		26-Mar-00	52		
		31-Mar-00	104		

### MINOT AFB

UNIT	AFSC	DATE	DAYS
5 BOMB WING	011G3	28-Feb-00	90
5 BOMB WING	4N071	28-Feb-00	90
5 BOMB WING	051J4	28-Feb-00	90
5 SUPPLY SQ	2F051	5-Mar-00	90
5 SUPPLY SQ	2F051	13-Mar-00	90
5 COMM SQ	3A051	15-Mar-00	90
91 SEC FORCES SQ	3P031	15-Mar-00	90
91 SEC FORCES SQ	3P031	15-Mar-00	90
91 SEC FORCES SQ	3P031	15-Mar-00	90
91 SEC FORCES SQ	3P031	15-Mar-00	90
91 SEC FORCES SQ	3P031	15-Mar-00	90
91 SEC FORCES SQ	3P031	15-Mar-00	90
91 SEC FORCES SQ	3P031	15-Mar-00	90
91 SEC FORCES SQ	3P031	15-Mar-00	90
91 SEC FORCES SQ	3P031	15-Mar-00	90
91 SEC FORCES SQ	3P031	15-Mar-00	90
91 SEC FORCES SQ	3P051	15-Mar-00	90
91 SEC FORCES SQ	3P051	15-Mar-00	90
91 SEC FORCES SQ	3P051	15-Mar-00	90
91 SEC FORCES SQ	3P071	15-Mar-00	90

- ◆ Ahmed Al Jaber, Kuwait
- ◆ Ali Al Salem, Kuwait
- ◆ Kuwait City, Kuwait



- ◆ Ali Al Salem, Kuwait
- ◆ 904 Personnel
- ◆ 177 Units
- ◆ 84 Locations

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# The First Line of Defense

After applying the policies, **ASK YOURSELF:**

- 1. What is the utility of this info / content being resident on the Web, and is this level of detail required?**
- 2. Could any hostile entities use this info to impact / harm any missions, resources, personnel or dependents?**
- 3. Would the Commander agree that #1 outweighs #2?**

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# Info Posting Process

## INFORMATION POSTING PROCESS

